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[Decisions of the Supreme Court of the United States are indicated by a star (*) and of the Court of Appeals of the District of Columbia by the letter (ª).]

ERRATA.

1,636,322, page 670, in the heading, assignment, line 2, after the words "one-fourth," and line 3, after "one-eighth," insert the words *of one per cent*.

1,636,689, duplication of patent number on page 817, patent to Richard M. Heames et al., should be number *1,636,891* and title of invention should be *Apparatus for trimming blanks*.

Patents Nos. 1,634,250 to 1,635,162.

THE

OFFICIAL GAZETTE

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United States Patent Office.

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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Designs	44—No.	72,974 to No.	73,017, inclusive.
Patents	912—No.	1,634,250 to No.	1,635,162, inclusive.
Total	1,463		

Attorneys—Disbarment.

(Order No. 3,012.)

U. S. Patent Office, *Washington, May 10, 1927.*

Acting under the provisions of section 487 of the Revised Statutes of the United States as amended February 18, 1922, Frank Waterfield, of Fresno, Calif., whose registration number is 3,404, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notice.

U. S. Patent Office, *Washington, June 22, 1927.*

Henry F. Bauer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Harry Aaron, 415 North Washington Avenue, Scranton, Pa., and Patent No. 1,494,573, issued May 20, 1924, to Henry F. Bauer, Wheaton, Minn., and a notice of such declaration sent by registered mail to said Henry F. Bauer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry F. Bauer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

ADJUDICATED PATENTS.

(C. C. A. N. Y.) The Fischer patent, No. 1,337,897, for an adjustable cap, claims 1 to 4 *Held* valid and infringed. (D. C.) *Fischer* v. *Ostrofsky*, 18 F. (2d) 964, decree affirmed 18 F. (2d) 965.

(D. C. Mich.) The Hem patent No. 1,537,169, for check-link mechanism for weighing scales, claims 1, 4, 10–14 *Held* invalid, and infringed, if valid. *Toledo Scale Co.* v. *Barnes Scale Co.*, 18 F. (2d) 965.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Design Pat. 66,249, M. W. Stoll, Newark, N. J., Watch casing, decided May 25, 1927, a single claim.

Pat. 1,520,668, J. T. Wilkin, Fluid-governor meter, decided June 17, 1927, claims 1 and 2.

Pat. 1,541,609, C. W. Adams, Contact brush for electric motors and generators, decided May 26, 1927, claims 1, 2, and 3.

Pat. 1,550,666, Bates, Mercer, and Gillings, Zone metering system, decided May 16, 1927, claims 18 and 20 to 26, inclusive.

Pat. 1,584,344, A. Aldrich, Paper-making machine, decided May 28, 1927, claims 1 and 2.

Rule 72.

Rule 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the papers which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Printed Copies of Trade-Marks.

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

2251

Condition of Applications Under Examination at Close of Business June 24, 1927.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 63,992; Trade-Mark Division, 1,494. Oldest new case, Nov. 5, 1926; oldest amended, Nov. 4, 1926. The dates given are 1927 except where † indicates 1926.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 28	Apr. 4	624
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 24	Mar. 1	819
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Jan. 24	Feb. 9	1,578
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 3	Jan. 12	1,548
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Jan. 14	Jan. 19	960
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Nov. 24	†Nov. 19	1,571
106	7. JARBOE, C. O., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 12	Jan. 12	1,321
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 3	Feb. 17	1,641
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 22	Mar. 19	896
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 24	Jan. 14	1,245
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Mar. 3	Feb. 24	914
380	12. PIERCE, P. P., Machine Elements	Jan. 15	Feb. 2	1,248
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 12	Jan. 22	1,326
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	†Dec. 21	Feb. 8	1,254
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 27	Feb. 9	1,465
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 18	Mar 14	729
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Nov. 5	†Dec. 6	759
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 23	†Nov. 26	1,068
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Mar. 21	Mar. 26	880
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 2	Mar. 3	943
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 26	Jan. 21	980
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 22	Jan. 4	933
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 22	Jan. 28	859
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Dec. 1	†Dec. 11	1,073
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 26	Jan. 26	1,267
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Jan. 8	873
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 5	Mar. 5	871
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 12	Feb. 25	1,158
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 21	Jan. 3	1,195
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 12	Mar. 1	1,035
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Jan. 21	Jan. 24	1,790
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 8	Feb. 8	1,070
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 19	Mar. 22	1,378
304	34. SIMPSON, O. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Dec. 27	Jan. 3	899
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Mar. 22	963
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 16	Mar. 23	1,104
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Jan. 29	Jan. 24	1,458
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Feb. 16	Feb. 23	1,057
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 8	736
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 13	Feb. 3	2,003
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	768
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 12	Jan. 5	1,492
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 31	Feb. 2	1,206
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 28	†Dec. 30	1,272
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 1	Mar. 11	949
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 24	Jan. 26	963
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 19	Jan. 27	1,515
213*	48. ROEPKE, O. B., Electricity, General Applications	Jan. 19	Feb. 3	1,029
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 3	Jan. 6	918
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Feb. 26	Feb. 26	1,517
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 27	†Dec. 18	1,368
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Feb. 21	Feb. 26	1,182
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 18	Feb. 24	1,222
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Nov. 19	†Nov. 4	1,876
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	†Dec. 29	Jan. 19	629
	Designs	May 24	June 4	601
163	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND—Trade-Marks	May 27	June 10	1,399
	Labels and Prints	June 16	June 18	95

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE SCHLAICH.

Decided October 1, 1925.

1. PATENTABILITY—INVENTION—FLATTENING OF CAPILLARY TUBE.

Where applicant lessened the area of his capillary tube by flattening the tube throughout its length, and in the patent to H. the tube was flattened to accurately gauge the area and a wire was passed into the principal part of the tube and the area of the opening in the other part reduced, and deformed tubes were shown in many prior patents, *Held* that the claims are unpatentable over the cited art.

2. SAME—SAME—SAME—DIFFERENCE IN BORE IMMATERIAL.

Where applicant urged that he was dealing with very fine capillary tubes, while some of the references relate to capillary tubes of large bore, *Held* that this difference is immaterial, since there is no patentability involved in converting a large machine into a small machine or the reverse.

[Affirmed by the Court of Appeals of the District of Columbia, 360 O. G. 5.]

APPEAL from Examiners in Chief.

Application for patent for small-bore tubing and the making of same filed April 10, 1918, Serial No. 227,754; application for patent for temperature-indicating device filed February 23, 1918, Serial No. 218,801.

Mr. Wm. F. Nickel and *Mr. Edmund Quincy Moses* for the applicant (*Mr. Joseph H. Milans* of counsel).

FENNING, *Assistant Commissioner:*

These two appeals were argued together, and a single brief entitled in both cases was filed. The concept of the two applications is the same, and they will be treated here together.

[1] The Hodgkinson patent [No. 1,063,349] points out the defects of the prior art which the applicant seeks to obviate. Hodgkinson also says that they can be overcome by making the cross section of the capillary tube as small as possible. He shows such a capillary tube flattened so that "it is possible to accurately gauge the area" of the tube. Hodgkinson proposes to pass a wire into the principal part of his capillary tube and reduce the area of the tube opening to the part not occupied by the wire. Applicant proposes to lessen the area of his tube by deforming or flattening the tube throughout its length. Deformed tubes are shown in many prior patents. Bourdon [No. 9,163] shows substantially the same deformation as applicant. Serpollet [No. 535,866] (page 2, lines 39–55) explains that the area of capillary tubes may be varied by deforming the tubes to a greater or lesser degree. See also Fig. 1 of Quiggin [No. 434,804].

A detailed discussion of applicant's specific claims and of the references is contained in the actions of the Examiner and the Examiners in Chief and need not be repeated here.

It may be that, as applicant suggests, no one had put into commercial use a deformed capillary tube in connection with a thermometer before applicant; but invention may nevertheless be negatived if the possibility of so doing is indicated in the prior patents, as it clearly is.

[2] Applicant objects to some of the references, and even to some of those which specifically refer to capillary tubes. In some instances where the prior patents employ the term "capillary" with respect to their tubes applicant says they are not the same capillary tubes as his capillary tubes, that he is dealing with very fine capillary tubes, and that the prior patents relate to capillary tubes of large bore. This may be so, but there is no patentability involved in converting a large machine into a small machine or the reverse. (*New England Motor Co.* v. *B. F. Sturtevant Co.*, 150 Fed. 131; *Philips* v. *Page*, 24 How. 164; *American Road Machine Co.* v. *Pennock and Sharp Co.*, 77 O. G. 633, 164 U. S. 26; *In re Pein*, 201 O. G. 570, 41 App. D. C. 586; *Willamette Iron & Steel Works* v. *Columbia Engineering Works*, 252 Fed. 594.)

Since the argument applicant has filed amendments reducing the number of claims. Those amendments will be entered.

After a very careful review of the record in view of the elaborate brief and the argument I am unable to find patentability.

The Examiners in Chief are affirmed.

FORD MOTOR COMPANY v. MCADOO.

Decided June 29, 1926.

1. TRADE-MARKS—"FORD"—FOR CIGARS, CHEROOTS, ETC.

Decision of the Examiner of Interferences dismissing a petition by the Ford Motor Company for the cancellation of trade-mark registration by John A. McAdoo for cigars, cheroots, stogies, and little cigars affirmed, said trade-mark consisting of the word "Ford" and the grounds of the petition being that the mark is the name of a corporation and is identical with petitioner's registered trade-mark.

2. SAME—CORPORATE NAMES—ACT OF 1920.

Under the Trade-Mark Act of March 19, 1920, a corporate name may be registered as a trade-mark when a trade-mark right thereto has been established by using it in commerce on goods of different descriptive properties from the goods of the corporation.

APPEAL from Examiner of Interferences.

Petition No. 1,210 for cancellation of trade-mark of John A. McAdoo, registered January 29, 1924, No. 178,954, for cigars.

Mr. E. L. Davis, (*Mr. Clifford B. Longley* and *Mr. C. R. Halbert* of counsel) for Ford Motor Company.

Mr. Henry M. Wise for McAdoo.

MOORE, *Assistant Commissioner:*

[1] This is an appeal by the Ford Motor Company from the decision of the Acting Examiner of Interferences dismissing its petition for the cancellation of trade-mark registration No. 178,954, January 29, 1924, by John A. McAdoo, for cigars, cheroots, stogies, and little cigars, said trade-mark consisting of the word "Ford."

The stated grounds for the application for cancellation are:

1. That the mark Ford is unregistrable because it is a word "which consists merely in the name of a * * * corporation, * * * not written, printed, impressed or woven in some particular or distinctive manner.

2. That the word Ford is identical with the registered trade-mark Ford of the applicant for cancellation so would be likely to damage the applicant for cancellation by misleading and deceiving the public into believing that the goods of the applicant are goods of or authorized by the applicant for cancellation.

3. That the mark Ford is not the exclusive property of the registrant in the United States.

The registration sought to be canceled was registered under the Trade-Mark Act of March 19, 1920.

[2] 1. Under this act, as it has been interpreted by the Solicitor of the Department of the Interior, 1920 C. D. 89, and in *Certain-Teed Products Corporation* v. *Clark*, 337 O. G. 476, 1925 C. D. 57, a corporate name may be registered as a trade-mark when a trade-mark right thereto has been established by using it in commerce on goods of different descriptive properties. The goods of the registrant admittedly are not the same as the goods of the petitioner.

2. Nor does the fact that the registrant's trade-mark is the same as the applicant's trade-mark constitute a legal ground for the cancellation of the registrant's mark.

The mere fact that one person has adopted and used a trade-mark on his goods does not prevent the adoption and use of the same trade-mark by others on articles of a different description. (*American Steel Foundries* v. *Robertson, Commissioner of Patents, and Simplex Electric Heating Company*, 342 O. G. 711.)

3. While the mark "Ford" may not be the exclusive property of the registrant, yet the registrant has the right to the exclusive use of said mark when used as a trade-mark for cigars, cheroots, and like tobacco products, and it is not apparent that the use of the word "Ford" as a trade-mark by the registrant would result in confusion and uncertainty in the mind of the public as to the authorship or ownership of the tobacco products of the registrant any more than in any case where the same mark is adopted and used by different persons on articles of different descriptive properties. As stated by the Supreme Court in the "Simplex case"—

there is no property in a trade-mark apart from the business or trade in connection with which it is employed,

and it must be remembered that the word "Ford" is not necessarily confined to the corporate name of the petitioner. It is a common word of our language used not only as a name for many persons, but also as a common noun and as a verb. There are many celebrities in addition to Henry Ford who bear the name Ford, and it is not at all certain that the word when spoken would necessarily convey to the mind of the public an idea corresponding to Henry Ford or the Ford Motor Company or the Ford automobile. The word might suggest the "Ford Theater" with which the public mind is so familiar. It is believed that neither Henry Ford nor the Ford Motor Company has the right to the exclusive use of the word "Ford."

The decision of the Acting Examiner of Interferences is affirmed.

Court of Appeals of the District of Columbia.

IN RE BOYCE.

No. 1,894. Decided February 7, 1927.

INVENTION—CLAIM UNPATENTABLE IN VIEW OF PRIOR ART.

The idea of a double dial, indicating both exact and approximating temperatures, being old in the prior art, *Held* that a claim drawn to coacting fixed means and movable means for indicating exact temperature, coacting fixed means and movable means for indicating approximate temperature, and means responsive to temperature variations for simultaneously actuating said movable means is not patentable.

APPEAL from the Patent Office. Affirmed.

Mr. J. H. Milans, *Mr. C. T. Milans*, and *Mr. E. Q. Moses* for Boyce.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

Appellant appeals from a decision of the Commissioner of Patents denying two claims for an invention relating to temperature indicating devices to be utilized in indicating the thermal condition of internal combustion in motors, aeroplanes and the like. The claims in issue are as follows:

3. In an instrument of the character described, coacting fixed means and movable means for indicating exact temperature, coacting fixed means and movable means for indicating approximate temperature, and means responsive to temperature variations for simultaneously actuating said movable means.

9. In a temperature indicating instrument for indicating engine temperatures of a motor vehicle engine, the combination of an actuating element within the instrument, movable in response to temperature variations, a rotatable arbor actuated thereby, a dial plate bearing a scale of words designating temperature conditions, an index hand carried by said arbor and adapted to cooperate with said word scale, and means actuated by said arbor in cooperation with said dial for indicating exact temperatures in degrees.

The object of the invention in issue is to indicate to the driver of a vehicle the thermal condition of the engine. The function of the instrument is dual; one, to indicate the exact temperature so as to enable the operator to make proper adjustments of the machine; and two, to enable the driver to observe approximately at a glance the temperature, this function serving as a danger signal to the operator. The thermometer or indicator thus contains two scales; an exact numerical scale, indicating the exact heat condition, and the danger signal scale, less exact but easily read, and merely indicating the approximate condition of the temperature as "cold, cool, warm, hot", etc.

A number of claims have been allowed for the patent, and the question before us is whether or not the broad claims in issue are allowable in view of the prior art. It will be observed that claim 3 broadly covers any coacting means for indicating exact or approximate temperatures. This claim, we think, is as broadly covered in the claims allowed as should be awarded in view of an existing patent to Wilbur [No. 555,275] of February 25, 1896, and a patent to St. John [No. 367,863] of August 9, 1887. It is true that these prior patents are crude compared with the invention in issue, but the idea of the double dial indicating exact and approximate temperatures, we think, is sufficiently set forth to avoid the right of appellant to claim 3.

Coming to claim 9, which was held by the Patent Office to be anticipated by a former patent to appellant [No. 1,206,783] dated November 28, 1916, we find in the specification upon which that patent was based the following statement:

My present invention provides means whereby this actual hot-water temperature is indicated at all times, and which will also be subjected to the action of any steam which may form in the system. Thus, with this invention, it is possible to secure an indication of actual water temperature without sacrificing the advantages of obtaining immediate knowledge of the condition of damages suggested by the formation of steam.

Further describing this former invention, appellant says:

I am by these means enabled to obtain a relative indication of the temperature of the cooling water and also obtain a danger signal immediately upon the formation of steam in the system, which steam passes into the air space, thus causing a sudden increase in the temperature indication of the instrument.

While claim 9 restricts the device to registering engine temperatures of motor vehicles, it will be observed that this function was fully embraced in appellant's 1916 patent. The only difference between that construction and the construction set forth in claim 9 is that appellant is now applying the double indicating dial feature, which, as we have said, is anticipated by St. John and Wilbur.

The decision of the Commissioner of Patents is affirmed.

Court of Appeals of the District of Columbia.

IN RE SCHLAICH.

No. 1,913. Decided March 7, 1927.

[For Commissioner's decision see 360 O. G. 3.]

APPEAL from the Patent Office. Affirmed.

Mr. J. H. Milans, *Mr. C. T. Milans*, and *Mr. E. Q. Moses* for Schlaich.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing certain claims of an application for patent covering capillary tubing, apparatus for making it, and the process.

This tubing is used in fluid-operated measuring instruments installed in automobiles and airplanes and is said to eliminate, to a marked degree, the inaccuracies and inefficiencies hitherto common to such measuring instruments.

The Examiner, in a carefully-prepared opinion, rejected the claims involved because, in his view, the construction therein disclosed differed in degree only from the prior art. The Board of Examiners in Chief, on appeal, again considered the contentions of applicant and found against him, as did the Commissioner. Giving due consideration to the oral argument and brief on behalf of applicant, we are not convinced that the conclusion of the Patent Office is wrong. This is a highly-technical subject matter, with which the experts of the Patent Office are more familiar than we, and there is no such clear showing of error as would be required to warrant us in disturbing their finding. The decision therefore is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE SCHLAICH.

No. 1,914. Decided March 7, 1927.

[For Commissioner's decision see 360 O. G. 3.]

APPEAL from the Patent Office. Affirmed.

Mr. J. H. Milans, *Mr. C. T. Milans*, and *Mr. E. Q. Moses* for Schlaich.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office refusing to allow claims Nos. 20 to 24, inclusive, of appellant's application, claims Nos. 1 to 19 having been allowed.

This invention relates to an instrument for indicating temperatures in connection with internal-combustion motors and is closely related to the case just decided, patent appeal No. 1,913. Here, as there, the Patent Office tribunals severally considered and rejected the claims involved. For the reasons set forth in our opinion in that case, we affirm the decision in this.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

782,496, N. P. Fenner, jr., Water column; 818,968, E. E. Johnson, Railway water column, appeal filed May 17, 1926, 7th Cir., Doc. 3776-3782, *Fairbanks Morse & Co. et al.* v. *American Valve & Meter Co. et al.* Decree reversed Apr. 13, 1927.

818,968. (See 782,496.)

954,185, 1,051,840, H. D. Hibbard, Method of making manganese steel; 954,188, 1,117,384, H. M. Howe, same, filed Mar. 31, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7009, *Taylor-Wharton Iron & Steel Co.* v. *Pettibone Mulliken Co.*

954,188. (See 954,185.)

954,290, 954,291, 1,201,048, 1,377,249, W. C. Huebner, Photographic-printing apparatus; 1,222,766, same, Light-controlling mechanism for photographic apparatus; 1,291,897, same, Apparatus for positioning the printing plates on the plate holders of photographic-printing apparatus; 1,413,406, same, Holder for photographic-printing plates, filed Apr. 2, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7011, *Huebner-Bleistein Patents Co.* v. *Regenesteiner Corp.* Doc. 7012, *Huebner-Bleistein Patents Co.* v. *Walton & Spencer Co.* Doc. 7013, *Huebner-Bleistein Patents Co.* v. *R. R. Donnelley & Sons Co.*

954,291. (See 954,290.)

956,135, T. E. Murray, Electric cut-out; 993,099, G. E. Palmer, Meter connection block; 1,028,268, same, Case for meter connection block; 1,036,317, same, Casing, appeal filed Nov. 23, 1926, 2d Cir., Doc. 9440, *Metropolitan Device Corp.* v. *Williamsburgh Electric Supply Co.*

993,099. (See 956,135.)

1,027,570, J. R. Sheldon, Comforter-filling machine; 1,370,411, Contrado, Swanson & Schwartz, Mattress-filling machine, filed Apr. 5, 1927, D. C., N. D. N. Y., Doc. 1019, *Triangle Kapok Machine Corp.* v. *Utica National Mattress Co., Inc.*

1,028,268. (See 956,135.)

1,036,317. (See 956,135.)

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system; 1,239,852, F. K. Vreeland, Receiver of electrical impulses; 1,245,166, same, Method of transmitting and receiving high-frequency signal impulses, filed May 5, 1927, D. C., S. D. N. Y., Doc. E 41/270, *Westinghouse Electric & Mfg. Co. et al.* v. *Neston Radio Co., Inc.*

1,050,728. (See 1,050,441.)

1,051,840. (See 954,185.)

1,054,130, M. A. McKee, Printing-plate-shaving machine; 1,077,621, same, Treatment of printing plates, appeal filed Apr. 15, 1927, 7th Cir., Doc. 3896, *C. B. Cottrell & Sons Co.* v. *Claybourn Process Corp.*

1,077,621. (See 1,054,130.)

1,113,149. (See 1,050,441.)

1,117,384. (See 954,185.)

1,183,875, R. V. L. Hartley, Electrical circuit; 1,334,118, C. W. Rice, System for amplification of small currents, appeal filed Sept. 25, 1926, 2d Cir., Doc. 9370, *Radio Corp. of America et al.* v. *Twentieth Century Radio Corp.* Decree reversed (notice dated May 2, 1927).

1,201,048. (See 954,290.)

1,222,766. (See 954,290.)

1,239,852. (See 1,050,441.)

1,245,166. (See 1,050,441.)

1,291,897. (See 954,290.)

1,305,361, C. J. Holslag, Electric-arc welding, cutting, and repairing; Re. 16,012, same, Alternating-current welding transformer, filed Apr. 8, 1927, D. C. N. J., Doc. E 2543, *Electric Arc Cutting & Welding Co.* v. *Leonard Sheet Metal Works.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, appeal filed Sept. 13, 1926, 7th Cir., Doc. 3823, *The Larkin Automotive Parts Co. et al.* v. *The Bassick Mfg. Co.* Decree affirmed Apr. 25, 1927.

1,307,734. (See 1,307,733.)

1,333,395. (See 1,437,318.)

1,334,118. (See 1,183,875.)

1,370,411. (See 1,027,570.)

1,377,249. (See 954,290.)

1,413,406. (See 954,290.)

1,437,318, A. Kyle, Glove; 1,333,395, Elsey, Zwick & Lawson, same, appeal filed Apr. 26, 1927, 7th Cir., Doc. 3903, *The Elzwilaw Co. et al.* v. *Knoxville Glove Co.*

1,475,980. (See 1,307,733.)

1,591,707, W. H. Harrington, Attachment-plug receptacle; 1,591,772, 1,591,773, A. H. Nero, same, filed May 3, 1927, D. C., S. D. N. Y., Doc. E 41/265, *The Arrow Electric Co.* v. *L. Hirschberg et al.* (*Grand Brass & Electrical Supply Co.*). Doc. E 41/266, *The Arrow Electric Co.* v. *J. I. Rodale et al.* (*Rodale Mfg. Co.*).

1,591,772. (See 1,591,707.)

1,591,773. (See 1,591,707.)

1,599,157, F. E. Wilson, Lingerie clasp; Re. 15,654, E. E. Clark, same, filed Apr. 26, 1927, D. C. N. J., Doc. E 2639, *Wilson Fastener Co.* v. *Art Wire & Stamping Co., Inc.*

1,604,224, B. Friedman, Syringe; 1,624,327, same, Needle mounting for hypodermic syringes, filed May 2, 1927, D. C., S. D. N. Y., Doc. E 41/262, *B. Friedman* v. *A. Bandman* (*Metzan Dental Mfg. Co.*).

1,624,327. (See 1,604,224.)

Re. 15,654. (See 1,599,157.)

Re. 16,012. (See 1,305, 361.)

Des. 72,164, Des. 72,165, Des. 72,166, Des. 72,221, S. N. Mallouk, Lace table cover; Des. 72,227, Des. 72,228, Des. 72,229, Des. 72,230, Des. 72,231, Des. 72,232, Des. 72,233, Des. 72,234, same, Lace cover; Des. 72,219, same, Lace doily; Des. 72,167, Des. 72,226, Des. 72,268, same, Lace tray cover; Des. 72,169, Des. 72,170, Des. 72,171, Des. 72,173, Des. 72,174, Des. 72,175, Des. 72,220, Des. 72,222, Des. 72,223, Des. 72,225, same, Lace mat; Des. 72,168, Des. 72,224, Des. 72,235, Des. 72,269, Des. 72,270, Des. 72,271, Des. 72,272, same, Lace scarf, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/230, *S. N. Mallouk* v. *B. Katen et al.* (*Katen & Katen*). Doc. E 41/231, *S. N. Mallouk* v. *D. Georges et al.* (*Georges Bros.*). Doc. E 41/232, *S. N. Mallouk* v. *J. E. Balesh et al.* (*J. E. Balesh & Bros.*). Doc. E 41/233, *S. N. Mallouk* v. *A. W. Lian et al.* (*Lian Bros.*). Doc. E 41/234, *S. N. Mallouk* v. *A. D. Sutton & Co., Inc.* Doc. E 41/235, *S. N. Mallouk* v. *A. Boutross et al.* (*Boutross Bros.*). Doc. E 41/236, *S. N. Mallouk* v. *Saydah & Saydah, Inc.* Doc. E 41/237, *S. N. Mallouk* v. *F. Jabara et al.* (*F. M. Jabara & Bros.*). Doc. E 41/238, *S. N. Mallouk* v. *G. J. Mabarak et al.* (*Mabarak Bros.*). Doc. E 41/239, *S. N. Mallouk* v. *N. Awad et al.* (*N. Awad & Sons*).

TRADE-MARKS

OFFICIAL GAZETTE, JULY 5, 1927.

[VOL. 360. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 178,427. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARBOCITE INCORPORATED, Huntington, W. Va. Filed Apr. 2, 1923.

Carbocite

Particular description of goods.—Fuel in the Form of Briquettes and in Granular or Powdered Form.
Claims use since Mar. 26, 1923.

Ser. No. 207,968. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CITRUS PRODUCTS CORPORATION, Los Angeles, Calif. Filed Jan. 12, 1925.

RIPE-FRU

Particular description of goods.—Nonalcoholic, Maltless Fruit Juices for Beverage Purposes.
Claims use since Nov. 20, 1924.

Ser. No. 214,319. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GOLF SHAFT & BLOCK COMPANY, Memphis, Tenn. Filed May 14, 1925.



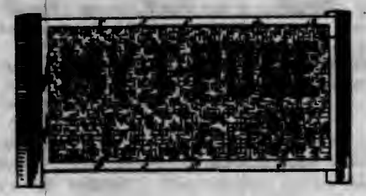
"Arrow." The lining used in the corner squares of the mark is for shading only. No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Shuttle Blocks or Dimension Stock Used for Making Shuttles, Picker-Stick Blanks or Dimension Stock Used for Making Picker Sticks, Lawn-Mower Handle Blanks or Dimension Stock Used for Making Lawn-Mower Handles, Shoe-Last Blocks and Handle Blanks or Dimension Stock Used for Making Tool Handles.
Claims use since about 1914.

Ser. No. 218,502. (CLASS 39. CLOTHING.) THE SHOE-TREAD CORPORATION, Boston, Mass. Filed Aug. 6, 1925.



No claim is made to the words "Wescott Sole" apart from the mark shown.
Particular description of goods.—Soles and Heels for Shoes.
Claims use since Apr. 1, 1925.

Ser. No. 218,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. BULLOCK, Cohoes, N. Y. Filed Aug. 10, 1925.



The color lining on the drawing indicates yellow. The word "Pure" by itself apart from the mark shown is disclaimed.
Particular description of goods.—Bread.
Claims use since on or about July 22, 1925.

Ser. No. 220,259. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STRONAH CORPORATION, New York, N. Y. Filed Sept. 14, 1925.



Comprising two concentric broken circles with an equilateral triangle of broken sides inscribed within the inner circle and having the words "Stronach Non-Splitting Nails" about the several sides of the triangle. Applicant disclaims the surname "Stronach" and the words "Non-Splitting Nails" appearing on the trade-mark separate and apart from the trade-mark as shown.

Particular description of goods.—Special Triangular-Pointed Nonsplitting Nails.

Claims use since Sept. 9, 1925.

Ser. No. 221,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CLARK RESTAURANT COMPANY, Cleveland, Ohio. Filed Oct. 14, 1925.



The word "Coffee" is disclaimed apart from the mark shown. The lining on drawing indicates the color green. The mark consists of the name "Clark's" printed on a base or block of green color.

Particular description of goods.—Coffee.

Claims use since Nov. 20, 1913.

Ser. No. 223,319. (CLASS 39. CLOTHING.) NON-SKID BALLOON HEEL CORPORATION, Chicago, Ill. Filed Nov. 14, 1925.

WAK-ON-AIR

Particular description of goods.—Rubber Heels.

Claims use since Nov. 1, 1925.

Ser. No. 224,536. (CLASS 12. CONSTRUCTION MATERIALS.) UNIVERSAL GYPSUM COMPANY, now Universal Gypsum & Lime Co., Chicago, Ill. Filed Dec. 10, 1925.

GYPSOLITE

No claim being made to the exclusive use of the word "Gypsum" apart from the mark shown on the drawing.

Particular description of goods.—Boards—Namely, Wall Board, Plaster Board, Sheathing, and Plaster.

Claims use since on or about May 1, 1925.

Ser. No. 228,792. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) APEX MOTOR FUEL COMPANY, doing business as Apex Laboratories, Chicago, Ill. Filed Mar. 18, 1926.

APEX

Particular description of goods.—Dry Cleaner.

Claims use since Feb. 4, 1926.

Ser. No. 228,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA HELEN ARLT, Brooklyn, N. Y. Filed Mar. 22, 1926.

VERAGEN

Particular description of goods.—Witch-Hazel Extracts, Dusting Powders, Liquid Nail Polish, Liquid-Nail-Polish Remover, Depilatories, Hairdressing, Cold Creams; Rouges (Liquid, Paste, and Compact); Face Powders, Toilet Powders, Talcum Powders, Bay Rum, Facial and Skin Creams, Skin Lotions, Sachets, Perfumes, Toilet Waters, Hair Tonic, Hair Wash, Brilliantine; Lip Rouges (Paste, Liquid, and Stick Form), Eyebrow Pencils, and Smelling Salts.

Claims use since Aug. 4, 1914.

Ser. No. 229,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNCAN, SPRANKLE & TURGEON, New York, N. Y., assignors to Oasis, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1926.

SPHINX

Particular description of goods.—Sandwiches and Coffee (Bean or Ground).

Claims use since Mar. 19, 1926.

Ser. No. 229,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNCAN, SPRANKLE & TURGEON, New York, N. Y., assignors to Oasis, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1926.

PYRAMID

Particular description of goods.—Sandwiches.

Claims use since Mar. 19, 1926.

Ser. No. 229,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNCAN, SPRANKLE & TURGEON, New York, N. Y., assignors to Oasis, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1926.

MIRAGE

Particular description of goods.—Sandwiches and Coffee (Bean or Ground).

Claims use since Mar. 19, 1926.

Ser. No. 229,381. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNCAN, SPRANKLE & TURGEON, New York, N. Y., assignors to Oasis, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1926.

CARAVAN

Particular description of goods.—Sandwiches.

Claims use since Mar. 19, 1926.

Ser. No. 229,382. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNCAN, SPRANKLE & TURGEON, New York, N. Y., assignors to Oasis, Incorporated, New York, N. Y., a Corporation of New Jersey. Filed Mar. 30, 1926.

OASIS

Particular description of goods.—Sandwiches and Coffee (Bean or Ground).

Claims use since Mar. 19, 1926.

Ser. No. 231,180. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BEHR BROS. CO. INC., New York, N. Y. Filed May 6, 1926. Under 10-year proviso.

Behr Bros. & Co.

Particular description of goods.—Pianos and Player Pianos.

Claims use since 1882.

Ser. No. 231,284. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMONCELLI BROS., Scranton, Pa. Filed May 7, 1926.



Applicant disclaims the right to the exclusive use of the word "Pisa" apart from the mark shown in the drawing.

Particular description of goods.—Olive Oil.

Claims use since June 1, 1925.

Ser. No. 231,523. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed May 13, 1926.

S. O. S.

Particular description of goods.—Men's and Boys' Union Suits of Textile Fabric.

Claims use since August, 1925.

Ser. No. 231,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY, Cleveland, Ohio. Filed May 18, 1926.

LOUD SPEAKER

Particular description of goods.—Candy.

Claims use since August, 1924.

Ser. No. 232,112. (CLASS 7. CORDAGE.) AMERICAN CABLE COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed May 24, 1926.



No claim is made to the term "New York" nor to the words "Preformed Wire Rope" and "Preformed Stress Free, Lasts Longer," and to the representation of the goods appearing on the drawing apart from the other features of the mark.

Particular description of goods.—Wire Rope.

Claims use since Apr. 19, 1926.

Ser. No. 232,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CRACKER JACK CO., Chicago, Ill. Filed June 7, 1926.

CRACKER JACK

Particular description of goods.—Raw Popcorn.

Claims use since May 25, 1926.

Ser. No. 232,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DR. J. H. MCLEAN MEDICINE CO., St. Louis, Mo. Filed June 9, 1926.

BALME

Particular description of goods.—Medicinal Preparation—Namely, a Diuretic Stimulant for the Kidneys.

Claims use since Oct. 1, 1925.

Ser. No. 233,539. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRIEDMAN-CRAMER COMPANY, Kansas City, Mo. Filed June 21, 1926.



No claim is made to the word "Slicker" apart from the mark as shown.

Particular description of goods.—Preparations Used in Dressing the Hair.

Claims use since Apr. 1, 1926.

Ser. No. 233,652. (CLASS 12. CONSTRUCTION MATERIALS.) MOTOR SHOPPERS PARKADROME MARKETS, INC., Reno, Nev. Filed June 23, 1926.



Particular description of goods.—Building Structures for Use in Parking Automobiles.

Claims use since June 3, 1926.

Ser. No. 235,110. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed July 26, 1926.

ROADSTEAD

Particular description of goods.—Rubber Tires for Vehicles, Bicycles, and Automobiles, Both Solid and Pneumatic; Inner Tubes for Pneumatic Tires, Plasters and Patches Therefor, Tire Covers, and Tire Boots.

Claims use since Jan. 8, 1926.

Ser. No. 235,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERCO CANNING COMPANY, INC., San Jose, Calif. Filed July 27, 1926.



The portrait is merely fanciful.

Particular description of goods.—Canned Fruits.

Claims use since May 1, 1926.

Ser. No. 236,037. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HOWARD AUTOMOBILE COMPANY, San Francisco, Calif., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 16, 1926.



No claim is made to the exclusive use of the words "Built-In Service."

Particular description of goods.—Second-Hand Buick Automobiles Repaired, Refinished, and Restored to Substantially Their Initial Condition.

Claims use since Mar. 20, 1925.

Ser. No. 236,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEBRÜDER STOLLWERCK A. G., Vienna, Austria. Filed Sept. 1, 1926.



Fabriksmarke

No claim is made to the word "Fabriksmarke" apart from the mark as shown.

Particular description of goods.—Cocoa, Chocolate, Biscuits, Sweetmeats, and Candies of All Kinds.

Claims use since 1896.

Ser. No. 236,773. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EDWARD A. ROBBKE, New York, N. Y. Filed Sept. 1, 1926.

$ DOLLAR BILL $
"Costs But A Nickel"

Applicant disclaims the words "Costs But A Nickel" apart from the mark as shown in the drawing.

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since Feb. 1, 1926.

Ser. No. 237,407. (CLASS 39. CLOTHING.) CRESCENT RUBBER COMPANY, INC., New York, N. Y. Filed Sept. 18, 1926.

CERTIFIED

Particular description of goods.—Slickers, Raincoats, Sheepskin Coats, and Rain Hats.

Claims use since January, 1924.

Ser. No. 238,409. (CLASS 32. FURNITURE AND UPHOLSTERY.) SUNSET FEATHER COMPANY, San Francisco, Calif. Filed Oct. 9, 1926.



Particular description of goods.—Pillows and Mattresses.

Claims use since Jan. 1, 1903.

Ser. No. 238,435. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DUPLEX PIN COMPANY, INC., San Francisco, Calif. Filed Oct. 11, 1926.

PINCHO PIN

Applicant disclaims the right to exclusive use of the word "Pin" apart from the mark shown in the drawing.

Particular description of goods.—Hairpins Not Made of Precious Metal.

Claims use since June 1, 1926.

Ser. No. 238,520. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE PAL RADIO COMPANY, INC., Jersey City, N. J. Filed Oct. 12, 1926.

Palcone

No claim for registration is made for the word "Cone" apart from the association shown in the drawing.

Particular description of goods.—Radio Receiving Apparatus—Namely, Sound Amplifiers and Loud Speakers.

Claims use since Sept. 20, 1926.

Ser. No. 238,567. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOSTON & LOCKPORT BLOCK COMPANY, East Boston, Mass. Filed Oct. 14, 1926.

METALINE

Particular description of goods.—Heavy Hardware—Namely, Tackle and Hoisting Blocks and Sheaves.

Claims use since 1876.

Ser. No. 239,349. (CLASS 39. CLOTHING.) THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y., now by change of name Celanese Corporation of America, a Corporation of Delaware. Filed Oct. 28, 1926.

CELANESE-LOCKNIT

Particular description of goods.—Men's, Women's, and Children's Hosiery; Women's and Children's Dresses, Coats, and Suits; Bloomers, Vests, Jumpers, and Sweaters; Men's, Women's, and Children's Underwear of Knitted Fabric and Textile Fabric; and Negligee Shirts.

Claims use since about Oct. 20, 1926.

Ser. No. 239,544. (CLASS 39. CLOTHING.) CLARA D. SCHNEIDER, Beverly Hills, Calif. Filed Nov. 1, 1926.

INTERWOVEN

Particular description of goods.—Dress Shirts, Work Shirts, and Overalls.

Claims use since November, 1923.

Ser. No. 240,142. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE & TOOL CO., INC., Charleston, W. Va. Filed Nov. 16, 1926.



No registration rights are claimed for the words "Marca" and "W. C. Kelly."

Particular description of goods.—Adzes, Axes, Bush Hooks, Grass Hooks, Grub Hoes, Hammers, Hatchets, Machetes, Mattocks, Picks, and Scythes.

Claims use since June 10, 1926.

Ser. No. 240,260. (CLASS 17. TOBACCO PRODUCTS.) INTERNATIONAL TOBACCO PRODUCTS COMPANY, INC., Boston, Mass. Filed Nov. 18, 1926.



Applicant's mark consists in the word "Moonlight" and design. No claim is made to the other printed words.

Particular description of goods.—Cigars.

Claims use since 1924.

Ser. No. 240,996. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEOPLES DRUG STORES, INC., doing business as Krows Tonic Company, Washington, D. C. Filed Dec. 4, 1926.



KROWS TONIC

No claim is made to the word "Tonic" apart from the mark as shown. Trade-mark consists of the words "Krows Tonic."

Particular description of goods.—Medicinal Tonic—Namely, for Dyspepsia, Sour Stomach, Indigestion, Loss of Appetite, Lack of Energy, Malaria, Impure Blood, An Anaemic Condition, and Rheumatism.

Claims use since May 3, 1926.

Ser. No. 241,115. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEIMAN-MARCUS COMPANY, Dallas, Tex. Filed Dec. 7, 1926.

a'Toi

Particular description of goods.—Perfumes and Toilet Articles—Namely, Toilet Waters, Face Powders, Bath Powders, Lip Sticks, Rouge, Compacts, and Nail Preparations for Manicuring Purposes.

Claims use since October, 1926.

Ser. No. 241,516. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE BUCKEYE PRODUCING CO., Toledo, Ohio. Filed Dec. 15, 1926.

GREEN SEAL

Particular description of goods.—Malt Sirup.

Claims use since Dec. 2, 1926.

Ser. No. 241,785. (CLASS 39. CLOTHING.) OPPENHEIM, OBERNDORF & CO. INC., Baltimore, Md. Filed Dec. 21, 1926.

"BACHELOR'S BUDDY"

Particular description of goods.—Underwear Manufactured from Textile and Knitted Fabrics for Men, Women, and Children.

Claims use since Feb. 28, 1925.

Ser. No. 242,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LESLIE-CALIFORNIA SALT CO., San Francisco, Calif. Filed Dec. 27, 1926.

LESLIE



SALT

Applicant disclaims exclusive use of the word "Salt" apart from the mark shown in the drawing.

Particular description of goods.—Table Salt.

Claims use since July 1, 1903.

Ser. No. 242,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK W. MITCHELL M. D., Cleveland, Ohio. Filed Dec. 29, 1926.

NoKold

Particular description of goods.—A Throat and Nasal Spray.

Claims use since Oct. 12, 1925.

Ser. No. 242,317. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill. Filed Jan. 3, 1927.



The trade-mark includes the word "Stewart" in the form of a facsimile of the signature of John K. Stewart, founder and first president of this corporation, and the name "Warner" is displayed in a style consistent with said facsimile signature.

Particular description of goods.—Loud Speakers for Radio Receiving Apparatus.

Claims use since May 15, 1925.

Ser. No. 242,341. (CLASS 39. CLOTHING.) F. S. JONES CO., St. Paul, Minn. Filed Jan. 4, 1927.



Particular description of goods.—Overalls.

Claims use since Aug. 10, 1926.

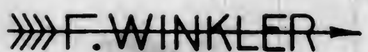
Ser. No. 242,469. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BEST & CO., INC., New York, N. Y. Filed Jan. 7, 1927.



Particular description of goods.—Woolly Dogs, Dolls, Rattles, Swings, Baby Swings, and Rocking Ducks for Children.

Claims use since 1879.

Ser. No. 242,718. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER INC., New York, N. Y. Filed Jan. 12, 1927.



Particular description of goods.—Bows for Stringed Instruments.

Claims use since 1919.

Ser. No. 242,720. (CLASS 12. CONSTRUCTION MATERIALS.) GRAND CANYON LIME & CEMENT CO., Los Angeles, Calif. Filed Jan. 12, 1927.



Particular description of goods.—Hydrated Lime.

Claims use since July 1, 1926.

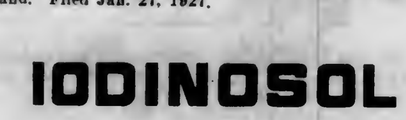
Ser. No. 243,369. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JIFFCO, INC., Massillon, Ohio. Filed Jan. 26, 1927.



Particular description of goods.—Water Softener.

Claims use since June 15, 1926.

Ser. No. 243,453. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. T. PEARSON AND COMPANY LIMITED, London, England. Filed Jan. 27, 1927.



Particular description of goods.—A Medicinal Preparation Containing Iodine, Which May be Used as a Liniment for the Treatment of Goiter, Parasitic Skin Diseases, Glandular Tuberculosis, Synovitis, Acne, Dermatosis, and Rheumatoid Arthritis, and as Drops in the Treatment of Asthma, Bronchitis, Emphysema, and Scrofula.

Claims use since end of September, 1911.

Ser. No. 243,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STERELLO COMPANY, New Orleans, La. Filed Jan. 27, 1927.



Particular description of goods.—Dental Cream and Dental Wash.

Claims use since October, 1925.

Ser. No. 243,857. (CLASS 39. CLOTHING.) KADET-KRUGER & Co., Chicago, Ill. Filed Feb. 5, 1927.



Disclaimer is made to the word "Set" apart from the mark shown in the drawing.

Particular description of goods.—Ladies' Neckwear—Namely, Lace, Silk, and Linen Collars and Vestees.

Claims use since Oct. 9, 1926.

Ser. No. 243,892. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEHLI SILKS CORPORATION, New York, N. Y. Filed Feb. 5, 1927.

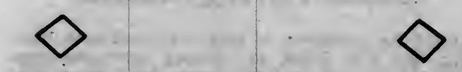
SUEDE CREPE

No registration rights are claimed in the word "Crepe" except in association with the other features of the mark.

Particular description of goods.—Silk Piece Goods Without Pile or Napping.

Claims use since January, 1923.

Ser. No. 244,080. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KATZ & OGUSH, INC., New York, N. Y. Filed Feb. 9, 1927.



Particular description of goods.—Watches, Watchcases, and Watch Movements.

Claims use since Apr. 12, 1923.

Ser. No. 244,098. (CLASS 39. CLOTHING.) THE PALAIS ROYAL, INC., Washington, D. C. Filed Feb. 9, 1927.



Applicant owns registration Nos. 219,851 and 220,737. The words "Washington, D. C.," are disclaimed apart from the mark shown. The representation of a woman is a fanciful picture.

Particular description of goods.—Corsets, Aprons, (Clothing), Bloomers, Blouses, Brassières, Capes, Bathing Caps, Suits and Bathing Shoes, Chemises; Ready-Made Clothing—Namely, Evening Gowns, Sports Coats, and Rubberized Raincoats; Felt Wool Boots, Fur Coats, and Jackets; Women's Hats of Straw, Felt, and Panama; Kimonas, Knitted and Textile Underwear for Women, Neck Scarfs.

Claims use since Jan. 21, 1927.

Ser. No. 244,184. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN RICCARDI, doing business as Roman Cleanser Company, Detroit, Mich. Filed Feb. 10, 1927.



Exclusive right to use of the words "Roman" and "Cleanser" is hereby disclaimed apart from the associated relationship. The lining on the drawing is to indicate shading only.

Particular description of goods.—Washing Fluid Containing a Bleaching Agent.

Claims use since Aug. 14, 1919.

Ser. No. 244,387. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) BARNET LEATHER CO., INC., New York, N. Y. Filed Feb. 15, 1927.

FOULARD

Particular description of goods.—Leather.

Claims use since Mar. 1, 1926.

Ser. No. 244,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YOUNG & GRIFFIN COFFEE COMPANY, INC., New York, N. Y. Filed Feb. 15, 1927.

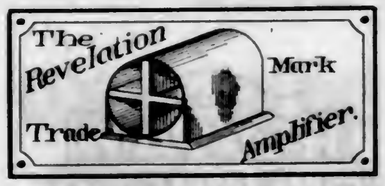


The trade-mark consists of a representation of a built-up city street, in white, the lines, the shading, and the sky being red with the legend "5th Avenue" in red prominently in the foreground.

Particular description of goods.—Coffee.

Claims use since on or about Jan. 20, 1927.

Ser. No. 244,436. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REUBEN H. A ENGLUND, Kent, Wash. Filed Feb. 16, 1927.



No claim is made to the representation of the goods apart from the mark shown. The right to the exclusive use of the words "Trade Mark" and "Amplifier" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Radio Loud Speakers.

Claims use since Jan. 10, 1927.

Ser. No. 244,540. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CAMPBELL COAL COMPANY, Marietta, Atlanta, Ga. Filed Feb. 18, 1927.



The lining on the star is to indicate the color red. The exclusive use of the word "Block" is disclaimed excepting in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since 1909.

Ser. No. 244,572. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PURITY CHEMICAL PRODUCTS COMPANY, Santa Rosa, Calif. Filed Feb. 18, 1927.

SOLVO-TEX

Particular description of goods.—A Cleaning Material Having Incidental Water-Softening Properties and Comprising a Nonsoapy Substance Consisting of Certain Chemical Ingredients Compounded Together.

Claims use since on or about Dec. 15, 1925.

Ser. No. 244,582. (CLASS 38. PRINTS AND PUBLICATIONS.) THE UPSON COMPANY, Lockport, N. Y. Filed Feb. 18, 1927.

SUN RAYS

Particular description of goods.—Printed Weekly Publications Used as a House Organ and Also for Distribution to the Trade.

Claims use since March, 1918.

Ser. No. 244,666. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHATTERTON & SON, Lansing, Mich. Filed Feb. 21, 1927.

PHEASANT

Particular description of goods.—Dried Beans.

Claims use since 1922.

Ser. No. 244,935. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLSIDE COTTON MILLS, La Grange, Ga. Filed Feb. 26, 1927.

COLORSPOTS

Particular description of goods.—Textile Rugs.

Claims use since Jan. 1, 1927.

Ser. No. 244,087. (CLASS 12. CONSTRUCTION MATERIALS.) CONTRACT WATERPROOFING COMPANY, St. Louis, Mo. Filed Feb. 28, 1927.

THE
FERRO TITE
METHOD

Particular description of goods.—Finely-Ground Clear Gray Iron with Which an Oxidizing Agent has Been Mixed and is Used for Waterproofing Brick, Stone, Tile, and Concrete Structures by Mixing Same with Water and Applying the Mixture to Surfaces to be Waterproofed.

Claims use since 1919.

Ser. No. 245,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH C. HERZOG, doing business as Nereid Trading Company, Brooklyn, N. Y. Filed Mar. 1, 1927.



The name "Nereid Trading Company" is disclaimed.

Particular description of goods.—Peanuts, Salted and Coated; Almonds, Salted and Coated; Pistachio Nuts and Pecans; Pop Corn, Plain and Coated; and Molasses Candies Packed in Small Boxes.

Claims use since Oct. 19, 1926.

Ser. No. 245,347. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK GARFINKEL, doing business as Garfo Chemical Co., New York, N. Y. Filed Mar. 7, 1927.



Particular description of goods.—Mouth Wash, Catarrhal Cream, Healing Liquid, Eye Wash, Liniment, Expectorant, Quinine Hair Tonic, and Corn Relief and Throat Relief Preparation.

Claims use since Jan. 1, 1923.

Ser. No. 245,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NASHUA PACKAGE SEALING CO. INC., Nashua, N. H. Filed Mar. 7, 1927.

NATIONAL

Particular description of goods.—Machines for Moistening, Serving, or Applying Adhesive or Gummed Tape, Labels, and the Like Strip Material, and Package Sealing or Labeling Machines and Devices Utilizing Adhesive or Gummed Strip Material.

Claims use since on or about Jan. 15, 1913.

Ser. No. 245,416. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE VOLCANIC ASH COMPANY OF AMERICA, Kansas City, Mo. Filed Mar. 8, 1927.



Particular description of goods.—Volcanic Ash.

Claims use since Jan. 10, 1927.

Ser. No. 245,557. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HAUSER & WEIL, New York, N. Y. Filed Mar. 11, 1927.

DELIGHT
OVERNIGHT CASE

Applicant disclaims the words "Overnight Case."

Particular description of goods.—Overnight Cases.

Claims use since on or about Feb. 28, 1927.

Ser. No. 245,703. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CARL FISCHER, INC., New York, N. Y. Filed Mar. 14, 1927.

Gold Band Reeds

No claim is made to the use of the word "Reeds" apart from the mark shown in the drawing.

Particular description of goods.—Reeds for Metal Wind Instruments.

Claims use since Mar. 25, 1924.

Ser. No. 245,764. (CLASS 12. CONSTRUCTION MATERIALS.) UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill. Filed Mar. 14, 1927.

UNION ASBESTOS & RUBBER COMPANY
WOVENSTONE
CHICAGO ILLINOIS

The words "Chicago, Illinois" form no part of the trade-mark and are hereby disclaimed.

Particular description of goods.—Railway-Car Asbestos Insulation.

Claims use since July 1, 1926.

Ser. No. 245,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. WRIGLEY JR. COMPANY, Chicago, Ill. Filed Mar. 14, 1927.

DULCE 16

No claim is made to the word "Dulce" except in association with the other features of the mark.

Particular description of goods.—Chewing Gum.

Claims use since about Feb. 9, 1927.

Ser. No. 245,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH MORNINGSTAR & CO. INC., New York, N. Y. Filed Mar. 16, 1927.



Particular description of goods.—Food Starches—Viz, Corn Starch.

Claims use since 1880.

Ser. No. 245,857. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MUSICAL AMERICA COMPANY, New York, N. Y. Filed Mar. 16, 1927.

MUSICAL AMERICA

Particular description of goods.—Weekly Publication Devoted to the Field of Music.

Claims use since Oct. 8, 1898.

Ser. No. 245,876. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS WEAVER, Washington, D. C. Filed Mar. 16, 1927.

L.WEAVER'S
WL

Particular description of goods.—Hairdressing and Face Cream.

Claims use since Mar. 10, 1927.

Ser. No. 245,879. (CLASS 39. CLOTHING.) ADES-LEXINGTON DRY GOODS CO., Lexington, Ky. Filed Mar. 17, 1927.

The Record Holder



Particular description of goods.—Work Clothes—Viz, Overalls, Work Shirts, Work Coats, and Jumpers.

Claims use since Feb. 24, 1927.

Ser. No. 245,887. (CLASS 39. CLOTHING.) BOND STORES, INCORPORATED, New York, N. Y. Filed Mar. 17, 1927.



Particular description of goods.—Clothing—Namely, Men's and Young Men's Suits, Overcoats, Topcoats, Tuxedos, Sport Suits, Golf Suits, and Cloth, Felt, and Straw Hats and Caps of All Descriptions.

Claims use since Feb. 15, 1927.

Ser. No. 245,902. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GOLDSMITH, STERN & COMPANY, New York, N. Y. Filed Mar. 17, 1927.

GOSCO

Particular description of goods.—Watches.

Claims use since Feb. 7, 1927.

Ser. No. 245,959. (CLASS 12. CONSTRUCTION MATERIALS.) ROGER J. DEENEY, doing business as John Deeney & Son, Philadelphia, Pa. Filed Mar. 18, 1927.



Particular description of goods.—Hardwood Floors or the Material from Which They are Constructed.

Claims use since Feb. 1, 1927.

Ser. No. 246,214. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MAJOR FRUIT PRODUCTS COMPANY, Portland, Oreg. Filed Mar. 23, 1927.



The drawing is lined for red, purple, yellow, and green. Exclusive use of words "Prun Port" is hereby disclaimed except in association with the other features of the mark.

Particular description of goods.—Nonalcoholic, Maltless Beverages.

Claims use since Feb. 9, 1925.

Ser. No. 246,239. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHARLES S. TRUMP, doing business as Home Lighting Company, Martinsburg, W. Va. Filed Mar. 23, 1927.



The words "The Safe-Sure Home Lighting Plant" are disclaimed apart from the mark shown on the drawing. The drawing is lined for red.

Particular description of goods.—Individual Gas-Lighting Plants for Use in Homes, Stores, Schoolhouses, Churches, Etc.

Claims use since Oct. 1, 1926.

Ser. No. 246,268. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y. Filed Mar. 24, 1927.

GREYHOUND

Particular description of goods.—Wrapping Paper.

Claims use since Feb. 9, 1927.

Ser. No. 246,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEATHER COMPANY, New York, N. Y. Filed Mar. 24, 1927.

COSMETO-STIK

Applicant disclaims the use of the word "Stik" apart from the mark as shown.

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Shampoos, Dry Shampoos, Hair Whitener, Hair Dye, Tooth Powders, Bath Salts, Smelling Salts, Incense, Talcum Powders, Sachets, and Solid Perfumes.

Claims use since November, 1926.

Ser. No. 246,510. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) STEIN & ELLBOGEN COMPANY, Chicago, Ill. Filed Mar. 28, 1927.

Cecile

Particular description of goods.—Jewelry and Novelties—Namely, Gold, Silver, and Novelty Jewelry for Personal Wear, Not Including Watches; Necklaces and Beads; Beaded, Silk, and Leather Bags; Fans, Jewel Cases, Vanity Cases, Toilet and Manicure Sets and Articles, Cigarette Cases and Holders, Photograph Frames, Leather Novelties, Canes, Pencils, Pocketknives, Powder Boxes, Jewel Cases, Perfume Atomizers and Bottles, Shoe Buckles and Combs, All Made Wholly or in Part of Precious Metal or Plated Therewith.
Claims use since July 1, 1925.

Ser. No. 246,552. (CLASS 37. PAPER AND STATIONERY.) HOLYOKE CARD & PAPER COMPANY, Springfield, Mass. Filed Mar. 29, 1927.

KROYDON

Particular description of goods.—Cover Paper.
Claims use since Sept. 1, 1924.

Ser. No. 246,681. (CLASS 39. CLOTHING.) HIGH POINT OVERALL COMPANY, High Point, N. C. Filed Mar. 31, 1927.

GOOD-NUFF

Particular description of goods.—Overalls, Coats, Work Shirts, Pants, and Men's Caps.
Claims use since about Sept. 10, 1926.

Ser. No. 246,720. (CLASS 37. PAPER AND STATIONERY.) THE STERLING FIBREBOARD COMPANY, New York, N. Y. Filed Mar. 31, 1927.

VARISED STERLING HARD FIBRE

The words "Hard Fibre" are disclaimed apart from the mark as shown.
Particular description of goods.—Fiber Board.
Claims use since Mar. 4, 1927.

Ser. No. 246,773. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 1, 1927.

UX-874

Particular description of goods.—Vacuum Tubes and Valves.
Claims use since Nov. 1, 1925.

Ser. No. 246,790. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Apr. 1, 1927.

VAX

Particular description of goods.—Oils, Greases, and Waxes of All Kinds and Similar Products for Lubricating, Illuminating, Heating, and Fuel Purposes, Also Gasoline.
Claims use since about Mar. 25, 1892.

Ser. No. 246,895. (CLASS 39. CLOTHING.) L. FRIEDMAN NECKWEAR CORPORATION, Milwaukee, Wis. Filed Apr. 4, 1927.

ValenTIEn

Particular description of goods.—Neckties Including Four-in-Hands, Bat Ties, and Ready-Made Bows and Cravats.
Claims use since about Jan. 1, 1926.

Ser. No. 246,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KICK PRODUCTS CO., Grand Junction, Colo. Filed Apr. 4, 1927.

KICK

Particular description of goods.—Candy Ice-Cream Cups.
Claims use since Feb. 1, 1927.

Ser. No. 246,935. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KARL SANDHOF, doing business as Re Nu Manufacturing Co., Woodside, N. Y. Filed Apr. 4, 1927.

RENU AUTO POLISH

Applicant disclaims exclusive use of the words "Auto Polish" shown on the drawing.
Particular description of goods.—Automobile Polish and Furniture Polish.
Claims use since Mar. 24, 1927.

Ser. No. 246,976. (CLASS 39. CLOTHING.) PEARSON BROTHERS, London, England. Filed Apr. 5, 1927.

STACTON

Particular description of goods.—Waterproof Coats and Waterproof Capes.
Claims use since June 5, 1917.

Ser. No. 247,026. (CLASS 39. CLOTHING.) ANTHONY KOSS, New York, N. Y. Filed Apr. 6, 1927.

SHEBA

Particular description of goods.—Hosiery and Knitted and Textile Underwear in One, Two, and Three Piece Garments for Women.
Claims use since Nov. 1, 1926.

Ser. No. 247,043. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) A. L. SIEGEL, doing business as A. L. Siegel Co., New York, N. Y. Filed Apr. 6, 1927.

Ann Pennington

Trade-mark comprises a facsimile of the original signature of Ann Pennington, well known actress (permission granted).
Particular description of goods.—Powder Puffs.
Claims use since Feb. 18, 1927.

Ser. No. 247,046. (CLASS 38. PRINTS AND PUBLICATIONS.) TEXTILE PUBLISHING COMPANY, New York, N. Y. Filed Apr. 6, 1927.

The Economist Original Art Service

Particular description of goods.—Pictorial Illustrations for Advertising Purposes.
Claims use since Mar. 20, 1927.

Ser. No. 247,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YO-HO PURE FOOD PRODUCTS CO., Chicago, Ill. Filed Apr. 6, 1927.



Particular description of goods.—Potato Chips and Mayonnaise.
Claims use since about January, 1920.

Ser. No. 247,060. (CLASS 39. CLOTHING.) AUERBACH COMPANY, Salt Lake City, Utah. Filed Apr. 7, 1927.

BROOK FIELD

Applicant owns registration No. 223,604.
Particular description of goods.—Nightgowns, Bathing Suits, and Women's, Misses', and Children's Underwear Made from Knitted, Netted, and Textile Fabrics, Such as Cotton, Silk, and Rayon and Silk and Muslin.
Claims use since January, 1927.

Ser. No. 247,073. (CLASS 15. OILS AND GREASES.) ABRAHAM FROM, doing business as Allstates Oil & Supply Co., South Bend, Ind. Filed Apr. 7, 1927.

ALLSTATES MOTOR OIL

The words "Motor Oil" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Lubricating Oils.
Claims use since Jan. 15, 1927.

Ser. No. 247,090. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MALLEABLE IRON RANGE COMPANY, Beaver Dam, Wis. Filed Apr. 7, 1927.

Paramount

Particular description of goods.—Gas Ranges, Coal Ranges, Combination Gas and Coal Burning Ranges, and Coal-Wood Ranges.
Claims use since June 25, 1921.

Ser. No. 247,103. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEWELL PAINT AND VARNISH COMPANY, Kansas City, Mo. Filed Apr. 7, 1927.

E-43
PRODUCTION
PRIMER-SURFACER-GLAZE

The words "Production Primer—Surfacer—Glaze" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Automobile Finishing Compound in the Nature of Polish.
Claims use since June 1, 1926.

Ser. No. 247,155. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AALBORG PORTLAND-CEMENT-FABRIK, Aalborg, Denmark. Filed Apr. 9, 1927.

NØRRE FLØDALS FABRIKKER · AALBORG ·

Applicant disclaims the right to exclusive use of the words "Nørre Flødals Fabrikker-Aalborg."
Particular description of goods.—Whiting.
Claims use since June 1, 1914.

Ser. No. 247,217. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHER-SANDERS CORPORATION, New York, N. Y. Filed Apr. 9, 1927.

CEDAR CHEST

Particular description of goods.—Linen, Cotton, Silk, and Rayon Piece Goods; Tablecloths, Napkins, and Tablecloth and Napkin Sets of Textile Material; Damasks for Draperies, Towels, Dish Toweling of Textile Material, Bedspreads, Sheets, and Pillowcases.
Claims use since about Mar. 24, 1927.

Ser. No. 247,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP AND COMPANY, Los Angeles, Calif. Filed Apr. 11, 1927.

Cocoa-Dot

No claim is made to the word "Cocoa" apart from the mark shown.
Particular description of goods.—Graham Crackers.
Claims use since about Mar. 16, 1927.

Ser. No. 247,252. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Wash Cloths, Cloth Blankets, and Cloth Carriage Covers.
Claims use since Mar. 1, 1921, on wash cloths; since Mar. 1, 1922, on carriage covers; and since Jan. 5, 1927, on blankets.

Ser. No. 247,254. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Powder Puffs.
Claims use since on or about Feb. 1, 1921.

Ser. No. 247,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Tapestry and Wall Drapes, Curtains, and Portières, the Same Being Composed of Cotton, Silk, Wool, Lace, and Combinations Thereof, and Laces and Embroidery in the Piece.
Claims use since Jan. 5, 1927.

Ser. No. 247,275. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MATTHEWS ELECTRIC SUPPLY CO. INC., Birmingham, Ala. Filed Apr. 11, 1927.

Artlite

Particular description of goods.—Residential and Commercial Lighting Fixtures for Electric Lighting.
Claims use since Feb. 14, 1927.

Ser. No. 247,346. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SULLIVAN PAINT COMPANY, St. Louis, Mo. Filed Apr. 12, 1927.

SUECO

Particular description of goods.—Dry and Ready-Mixed Paints, Colors in Oil Varnish Stain, Oil Stain, Flat Oil Paint, Prepared Shellac Ready for Use, Water Putty, Varnish Remover, Lacquers, Floor Enamels, Concrete Paint, Gloss Enamels, Shingle Stain, Barn Paint, Varnish, Auto Enamel, Wagon Paint, Tokote (a Paste Paint), Painters' Walls Size, Screen Enamel, Stovepipe Enamel, Liquid and Paste Fillers, Liquid and Paste Wax, and Distemper Colors.
Claims use since Mar. 2, 1927.

Ser. No. 247,347. (CLASS 39. CLOTHING.) VAN DYKE KNITTING COMPANY, Milwaukee, Wis., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 12, 1927.

WEE ONE

Particular description of goods.—Children's Knitted Underwear.
Claims use since on or about July 1, 1925.

Ser. No. 247,363. (CLASS 37. PAPER AND STATIONERY.) THE DURADEX COMPANY, New York, N. Y. Filed Apr. 13, 1927.

CHA IN DEX

Particular description of goods.—Card Indexes, Guide Card for Card Indexes, Cards, and Indexes.
Claims use since June, 1924.

Ser. No. 247,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALT-O-EGG COMPANY, Everett, Mass. Filed Apr. 13, 1927.

MALT-O-EGG

No claim is made to the exclusive use of the words "Malt" and "Egg" apart from the mark as shown.
Particular description of goods.—Food Product Composed Principally of Malted Milk, Egg Powder, Cocoa, and Sugar.
Claims use since about Nov. 15, 1925.

Ser. No. 247,469. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FOOTE, PIERSON & COMPANY, INC., New York, N. Y. Filed Apr. 15, 1927.

Ncmar

Particular description of goods.—Slide Casters for Furniture.
Claims use since about Aug. 1, 1926.

Ser. No. 247,476. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. F. HOVEY CO., Boston, Mass. Filed Apr. 15, 1927.

Flovena

Particular description of goods.—Blankets Made of All Wool or Wool and Cotton Combined, Sheets Made of Full-Bleached Cotton and Pillowcases.
Claims use since Mar. 16, 1927.

Ser. No. 247,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. B. MCNEAL, doing business as Pittsburgh Pretzel Co., Limited, Pittsburgh, Pa. Filed Apr. 15, 1927.

GRANNY'S



Particular description of goods.—Noodles.
Claims use since Apr. 1, 1927.

Ser. No. 247,506. (CLASS 39. CLOTHING.) UNITED NOVELTY SHOE COMPANY, Indianapolis, Ind. Filed Apr. 15, 1927.



Particular description of goods.—Shoes Made of Leather.
Claims use since Feb. 21, 1927.

Ser. No. 247,507. (CLASS 39. CLOTHING.) VOORHEES SALES COMPANY, INC., New York, N. Y. Filed Apr. 15, 1927.

RED V HOSE



Applicant disclaims the right to the exclusive use of the word "Hose" apart from the mark as shown. The lining on the drawing is intended to denote the color red.
Particular description of goods.—Hosiery.
Claims use since Aug. 18, 1924.

Ser. No. 247,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Apr. 15, 1927.

KIEROPON

Particular description of goods.—A Coal-Tar Derivative Used for Preventing Mark-Offs or Bleeding of Dyes During Textile Bleaching.
Claims use since June 1, 1926.

Ser. No. 247,512. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Apr. 15, 1927.

ORTHO-CLEAR

The word "Clear" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Cellulose-Ester Lacquers.
Claims use since Jan. 8, 1927.

Ser. No. 247,531. (CLASS 39. CLOTHING.) FELIX BRUNSCHWIG & CO. INC., El Paso, Tex. Filed Apr. 16, 1927.

Felicia

Particular description of goods.—Women's and Children's Wearing Apparel—Namely, Outer Clothing, Namely Coats, Suits, Dresses, Negligees, Furs, Sweaters, and Blouses; Underclothing, Namely Nightgowns, Pyjamas, Drawers, Brassières, Bloomers, and Chemises, Vests, and Slips; Gloves of Leather, and Hosiery.
Claims use since Feb. 25, 1927.

Ser. No. 247,534. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLPH FREUND, doing business as Vitapine Co., Woodside, Long Island, N. Y. Filed Apr. 16, 1927.



No claim is made to the words "Pine Needle Baths" apart from the mark shown in the drawing.
Particular description of goods.—Medical Bath Liquid to be Put into the Bath Water for the Relief of Nervous and Rheumatic Ailments.
Claims use since about Mar. 1, 1927.

Ser. No. 247,561. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OLMSTEAD CORPORATION, Springfield, Mass. Filed Apr. 16, 1927.

PLEX

Particular description of goods.—Sanitary Belts.
Claims use since Apr. 8, 1927.

Ser. No. 247,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH'S BAKERY, INC., Mobile, Ala. Filed Apr. 16, 1927.

SMITH'S
"BAMA"
BREAD
The Old Southern Flavor

No claim is made to the word "Bread" apart from the mark as shown.
Particular description of goods.—Bread.
Claims use since Feb. 1, 1927.

Ser. No. 247,644. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CHARLES H. SHIELDS, doing business as Ionox Co., Portland, Oreg. Filed Apr. 18, 1927.



Particular description of goods.—Electric Magnetic Coil Belts.
Claims use, since Mar. 20, 1927.

Ser. No. 247,661. (CLASS 39. CLOTHING.) ABE TEE KNITTING MILLS, Philadelphia, Pa. Filed Apr. 19, 1927.

FULL-BACK

Particular description of goods.—Swimming Suits.
Claims use since Feb. 1, 1927.

Ser. No. 247,671. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIANCHINI, FERIER, Lyon, France. Filed Apr. 19, 1927.

"KORRIGAN"

Particular description of goods.—Piece Goods of Silk, Wool, Cotton, and Hairs.
Claims use since Mar. 31, 1923.

Ser. No. 247,746. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) R. NEUMANN & COMPANY, Hoboken, N. J. Filed Apr. 20, 1927.

VEG TAN

The word "Tan" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Tanned Leather.
Claims use since Apr. 12, 1927.

Ser. No. 247,764. (CLASS 39. CLOTHING.) UTZ & DUNN COMPANY, Rochester, N. Y. Filed Apr. 20, 1927.

HEEL HUGGER

Particular description of goods.—Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since Jan. 4, 1923.

Ser. No. 247,795. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERSTATE SMELTING & REFINING CO. INC., Newark, N. J. Filed Apr. 21, 1927.



The words "The Perfect Finish" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Wedding Rings.
Claims use since Jan. 11, 1927.

Ser. No. 247,798. (CLASS 12. CONSTRUCTION MATERIALS.) G. J. LIEBICH CO., Chicago, Ill. Filed Apr. 21, 1927.

PLASTOSA

Particular description of goods.—Plastic Substance Consisting Largely of Wood or Other Fiber, a Binder, and a Solvent for Filling Cracks and Crevices and Surfacing Wood or Other Materials Preliminary to the Application of Paint or Other Finish.
Claims use since Mar. 1, 1927.

Ser. No. 247,812. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NOVELTY MANUFACTURING COMPANY, Rockingham, N. C. Filed Apr. 21, 1927.



The words "Ice Bag with Mallet" and the representation of the goods are disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Household Appliance Comprising a Carton Containing an Ice-Receiving Bag and a Complemental Crushing Mallet.
Claims use since Jan. 1, 1927.

Ser. No. 247,827. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SIDNEY-MACHINE TOOL COMPANY, Sidney, Ohio. Filed Apr. 21, 1927.

MONOTROL

Particular description of goods.—Lathes.
Claims use since Mar. 31, 1927.

Ser. No. 247,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STROMAN & REAVIS, New York, N. Y. Filed Apr. 21, 1927.



The lining in the drawing is to indicate yellow for the panels and purple for the scroll. The word "Valparaiso" is disclaimed separate and apart from the mark shown in the drawing.
Particular description of goods.—Hair Grower and Tonic.
Claims use since Jan. 20, 1926.

Ser. No. 247,833. (CLASS 11. INKS AND INKING MATERIALS.) L. E. WATERMAN COMPANY, New York, N. Y. Filed Apr. 21, 1927.



The drawing is lined to show the colors yellow, red, green, and blue, which are claimed as features of the mark. No claim is made to the exclusive use of the word "Ink" apart from the mark shown in the drawing.
Particular description of goods.—Writing Inks.
Claims use since Apr. 14, 1927.

Ser. No. 247,834. (CLASS 11. INKS AND INKING MATERIALS.) L. E. WATERMAN COMPANY, New York, N. Y. Filed Apr. 21, 1927.



The drawing is lined to show the colors yellow, red, green, black, and blue, which are claimed as features of the mark. No claim is made to the exclusive use of the word "Ink" apart from the mark shown on the drawing.
Particular description of goods.—Writing Inks.
Claims use since Apr. 14, 1927.

Ser. No. 247,888. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Apr. 23, 1927.

SUNBEAM

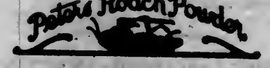
Particular description of goods.—Necklaces, Brooches, Bracelets, Finger Rings, Earrings, Bar Pins, and for Vanity Cases Made of or Plated with Precious Metal.
Claims use since Feb. 15, 1927.

Ser. No. 247,889. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHN & ROSENBERGER, INC., New York, N. Y. Filed Apr. 23, 1927.

Golden Rod

Particular description of goods.—Necklaces, Brooches, Bracelets, Finger Rings, Earrings, Bar Pins, and for Vanity Cases Made of or Plated with Precious Metal.
Claims use since Dec. 15, 1926.

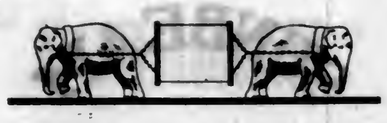
Ser. No. 247,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GERRIT PETERS, doing business as Peters Chemical Company, Detroit, Mich. Filed Apr. 23, 1927.





The signature forming a part of the mark is the signature of applicant. The words "Roach Powder" are disclaimed apart from the mark as shown.
Particular description of goods.—Roach Powder.
Claims use since Mar. 1, 1927.

Ser. No. 247,910. (CLASS 37. PAPER AND STATIONERY.) REVERSIBLE COLLAR COMPANY, doing business as Middlesex Products Company, Boston, Mass. Filed Apr. 23, 1927.



Particular description of goods.—Paper Backed with an Adhesive-Applied Layer of Cloth Used for Manufacturing Tags, Maps, Charts, Drawings, Safety Envelopes, Children's Picture Books, Booklet Covers, Advertising and Display Posters, Work Tickets, and the Like.
Claims use since Apr. 15, 1927.

Ser. No. 247,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Apr. 26, 1927.

OPAL

Particular description of goods.—Dried and Salted Codfish.
Claims use since Aug. 16, 1901.

Ser. No. 247,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Apr. 26, 1927.

NEPTUNE

Particular description of goods.—Cured Fish—Namely, Dried and Salted Codfish.
Claims use since 1880.

Ser. No. 248,012. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NASHUA MANUFG. COMPANY, Nashua, N. H. Filed Apr. 26, 1927.



Particular description of goods.—Cotton Piece Goods.
Claims use since 1831.

Ser. No. 248,033. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Apr. 27, 1927.

"SWANKS"

Particular description of goods.—Leather and Rubber Boots and Shoes.
Claims use since about Mar. 16, 1927.

Ser. No. 248,034. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Apr. 27, 1927.

FLASHLITE

Particular description of goods.—Leather and Rubber Boots and Shoes.
Claims use since about Apr. 19, 1927.

Ser. No. 248,035. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Apr. 27, 1927.

JACKNIFE

Particular description of goods.—Leather and Rubber Boots and Shoes.
Claims use since about Apr. 19, 1927.

Ser. No. 248,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANLEY PRZYBYSZEWSKI, Chicago, Ill. Filed Apr. 27, 1927.

SHASTA MOUNTAIN PUFF

Particular description of goods.—Ice-Cream Confection.
Claims use since Apr. 16, 1927.

Ser. No. 248,089. (CLASS 39. CLOTHING.) THE COMER MANUFACTURING COMPANY, doing business as Dayton Textile Co., Dayton, Ohio. Filed Apr. 28, 1927.

Day-Tex

Particular description of goods.—Raincoats for Men, Women, and Children and Suits for Men and Boys.
Claims use since Apr. 22, 1927.

Ser. No. 248,096. (CLASS 17. TOBACCO PRODUCTS.) CHARLES F. GARCIA, Washington, D. C. Filed Apr. 28, 1927.



No claim is made to the word "Cigars" and the representation of a cigar apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since Apr. 14, 1927.

Ser. No. 248,125. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PREMIER SPORT PRODUCTS, INCORPORATED, New York, N. Y. Filed Apr. 28, 1927.



The word "Golf" is disclaimed apart from the mark shown. The drawing is lined for red.
Particular description of goods.—Clock Golf Game.
Claims use since Apr. 1, 1927.

Ser. No. 248,158. (CLASS 39. CLOTHING.) JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y. Filed Apr. 29, 1927.

BLACK BEAUTY

Particular description of goods.—Clothing for Men—Namely, Suits, Overcoats, Tuxedos, Full-Dress Suits, Trousers, and Sport Coats and Sport Jackets.
Claims use since Oct. 4, 1922.

Ser. No. 248,177. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) D. L. HAMILL CO., Buffalo, N. Y. Filed Apr. 29, 1927.



Particular description of goods.—Bathtubs, Sinks, Lavatories, Laundry Trays, Closet Tanks, Closet Seats, Closet Bowls; Black and Galvanized Pipe Fittings—Namely, Elbows, T's, Bushings, Plugs, and Unions; Rough and Finished Brass Pipe Fittings, Showers, Black and Galvanized Pipe.
Claims use since December, 1894.

Ser. No. 248,184. (CLASS 39. CLOTHING.) MISSOURI CLOTHING CO., St. Louis, Mo. Filed Apr. 29, 1927.



No claim is made to the exclusive use of the word "Clothes" apart from the trade mark shown.
Particular description of goods.—Men's and Boys' Clothing Comprising Men's and Boys' Suits and Overcoats, Lumber Jackets, Extra Pants, and Men's Golf Suits.
Claims use since about Apr. 25, 1927.

Ser. No. 248,185. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NEWS PUBLISHING COMPANY, INC., Galveston, Tex. Filed Apr. 29, 1927. Under 10-year proviso.

GALVESTON TRIBUNE.

Particular description of goods.—Title for a Daily Evening Newspaper Except Sunday.
Claims use since May 14, 1894.

Ser. No. 248,196. (CLASS 12. CONSTRUCTION MATERIALS.) THE READYBUILT PRODUCTS COMPANY, Baltimore, Md. Filed Apr. 29, 1927.



No claim is made to the word "Readybuilt" aside from the mark as shown in the drawing.
Particular description of goods.—Fireplaces.
Claims use since Feb. 24, 1927.

Ser. No. 248,218. (CLASS 39. CLOTHING.) BEHRENS & KAHNINS, INC., New York, N. Y. Filed Apr. 30, 1927.

SHAD-O-BLEND

Particular description of goods.—Blanket Robes for Personal Wearing Apparel, Bath Robes, Lounging Robes, and House Robes.
Claims use since Feb. 1, 1927.

Ser. No. 248,219. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARTER OAK STOVE & RANGE COMPANY, St. Louis, Mo. Filed Apr. 30, 1927.

CHARTER OAK

Particular description of goods.—Electric Stoves and Ranges.
Claims use since Apr. 1, 1926.

Ser. No. 248,232. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed Apr. 30, 1927.

VIRSKIN

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Jan. 1, 1927.

Ser. No. 248,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. M. PITT & SONS COMPANY, Baltimore, Md. Filed Apr. 30, 1927.

PICKANINNY MIX

No claim is made to the word "Mix" apart from the mark as shown.
Particular description of goods.—Cake Mixture.
Claims use since Apr. 25, 1927.

Ser. No. 248,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERTHA BEUCHEL, doing business as Rekwizit Baking Co., St. Louis, Mo. Filed May 2, 1927.

Rekwizit

Particular description of goods.—Bran Wafers.
Claims use since about Apr. 25, 1927.

Ser. No. 248,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALSTON PURINA COMPANY, St. Louis, Mo. Filed May 2, 1927.

GROWENA

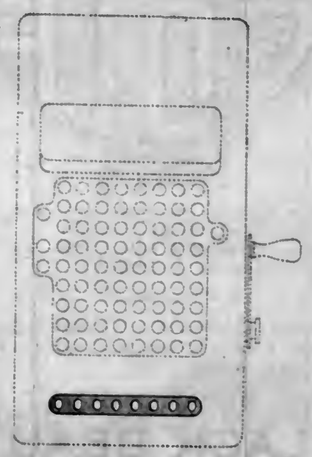
Particular description of goods.—Poultry Feed.
Claims use since Jan. 1, 1926.

Ser. No. 248,324. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROGERS BROS. & CO., Los Angeles, Calif. Filed May 2, 1927.

RAHNEE

Particular description of goods.—A Pharmaceutical Preparation Used for Removing Superfluous Hair.
Claims use since Mar. 15, 1927.

Ser. No. 248,333. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VICTOR ADDING MACHINE COMPANY, Chicago, Ill. Filed May 2, 1927.



No claim is made to the dotted outline representation of the goods apart from the mark as shown. The trade-mark consists in the green color of the number-dial shade as shown in the drawing.
Particular description of goods.—Adding Machines.
Claims use since May, 1926.

Ser. No. 248,341. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN METAL PRODUCTS CORPORATION, San Francisco, Calif. Filed May 3, 1927.

presalite

Particular description of goods.—Automatic Electrical Lighters and Dispensers for Cigars, Cigarettes, and the Like.
Claims use since Jan. 1, 1927.

Ser. No. 248,346. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO HARDWARE FOUNDRY COMPANY, North Chicago, Ill. Filed May 3, 1927.

SANI-DRI

Particular description of goods.—Lavatory Drying Apparatus of the Electrically-Actuated Type.
Claims use since the first part of the month of December, 1925.

Ser. No. 248,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLIER'S BEACON INN, INC., Washington, D. C. Filed May 3, 1927.



Particular description of goods.—Cakes, Pies, Sandwiches, and Uncanned Fruit and Vegetable Salads.
Claims use since May 1, 1927.

Ser. No. 248,383. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Danville, Ill. Filed May 4, 1927.

Persiantex Iroquois Blend

Particular description of goods.—Brick.
Claims use since March, 1926.

Ser. No. 248,386. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Danville, Ill. Filed May 4, 1927.

Persiantex Sun-Glow Blend

Particular description of goods.—Brick.
Claims use since March, 1926.

Ser. No. 248,449. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) F. M. SPENCER COAL CO., Columbus, Ohio. Filed May 4, 1927.

RED GLO

Particular description of goods.—Coal.
Claims use since August, 1924.

Ser. No. 248,450. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE STANDARD CO., INC., St. Albans, Vt. Filed May 4, 1927.

SEE TEE

The word "Tee" appearing on the drawing is disclaimed except as associated with the word "See."
Particular description of goods.—Golf Tees.
Claims use since Nov. 20, 1926.

Ser. No. 248,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WABASHA ROLLER MILL COMPANY, Wabasha, Minn. Filed May 4, 1927.



'BIG JO'

Particular description of goods.—Wheat Flour.
Claims use since about Jan. 1, 1900.

Ser. No. 248,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL C. ANDERSON, doing business as Anderson & Hillman, Beaumont, Tex. Filed May 5, 1927.

Daily Maid

Particular description of goods.—Butter and Eggs.
Claims use since June 1, 1925.

Ser. No. 248,495. (CLASS 2. RECEPTACLES.) INTERSTATE CORRUGATED BOX CO., INC., Brooklyn, N. Y. Filed May 5, 1927.

Invincible
SUPER-STRENGTH
CONTAINER
350 POUNDS
PER SQUARE INCH
MULLEN TEST
EXCEEDING RAILROAD CLASSIFICATION REQUIREMENTS

No claim is made to the exclusive use of the wording shown on the drawing with the exception of the word "Invincible."

Particular description of goods.—Corrugated and Solid Fiber-Board Cartons.
Claims use since July 22, 1925.

Ser. No. 248,496. (CLASS 2. RECEPTACLES.) INTERSTATE CORRUGATED BOX CO., INC., Brooklyn, N. Y. Filed May 5, 1927.

INTERSTATE
INTERSTATE CORRUGATED BOX CO. INC.
CERTIFICATE OF BOX MAKER
THIS BOX CONFORMS TO ALL CONSTRUCTION REQUIREMENTS OF CONSOLIDATED FREIGHT CLASSIFICATION
RESISTANCE BURSTING TEST 200 POUNDS PER SQUARE INCH
DIMENSION LIMIT 65 INCHES
GROSS WEIGHT LIMIT 65 POUNDS
BROOKLYN NEW YORK

No claim is made to the exclusive use of the words and numerals "Certificate of Box Maker. This Box Conforms to All Construction Requirements of Consolidated Freight Classification. Resistance Bursting Test 200 Pounds per Square Inch, Dimension Limit 65 Inches, Gross Weight Limit 65 Pounds, Brooklyn, New York," apart from the mark as shown on the drawing.

Particular description of goods.—Corrugated and Solid Fiber-Board Cartons.
Claims use since Jan. 2, 1927.

Ser. No. 248,497. (CLASS 2. RECEPTACLES.) INTERSTATE CORRUGATED BOX CO., INC., Brooklyn, N. Y. Filed May 5, 1927.

KRAFTEX
ULTRA-TEST
Cylinder All Kraft Liner
275 POUNDS
PER SQUARE INCH
MULLEN TEST
EXCEEDING RAILROAD CLASSIFICATION REQUIREMENTS

No claim is made to the exclusive use of the wording shown on the drawing with the exception of the words "Kraftex Ultra-Test."

Particular description of goods.—Corrugated and Solid Fiber-Board Cartons.
Claims use since Jan. 2, 1927.

Ser. No. 248,511. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NEW HOLLAND MACHINE CO., New Holland, Pa. Filed May 5, 1927.

CONESTOGA

Particular description of goods.—Coal-Burning Furnaces.
Claims use since Apr. 19, 1927.

Ser. No. 248,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT PAUL TROUT, Knox, Pa. Filed May 5, 1927.

TROUT'S SUPER RUB

The word "Rub" is disclaimed apart from the mark as shown.

Particular description of goods.—Salve for Neuritis, Rheumatism, Neuralgia, Sore Throat, Head Colds, Pneumonia, Headache, Chest Colds, Croup, Bronchitis, Whooping Cough, Ashthma, Catarrh, Boils, Burns, Bruises.
Claims use since February, 1927.

Ser. No. 248,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE C. CALLAHAN COMPANY, La Fayette, Ind. Filed May 6, 1927.

MONEY-BACK

Particular description of goods.—Ammonia, Baking Soda, Baking Powder, Bluing, Laundry Starch, and Lye.
Claims use since May 1, 1905.

Ser. No. 248,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES B. JUSTICE & CO., San Diego, Calif. Filed May 6, 1927.

CALIMAID

Particular description of goods.—Honey.
Claims use since June 1, 1926.

Ser. No. 248,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES B. JUSTICE & CO., San Diego, Calif. Filed May 6, 1927.

ORANGEMAID

Particular description of goods.—Honey.
Claims use since June 1, 1926.

Ser. No. 248,574. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KATZ & OGUSH, INC., New York, N. Y. Filed May 6, 1927.

K&O

Particular description of goods.—Watches, Watchcases, and Watch Movements.
Claims use since Jan. 17, 1921.

Ser. No. 248,578. (CLASS 32. FURNITURE AND UPHOLSTERY.) LANDAY BROS., INC., New York, N. Y. Filed May 6, 1927.

Landay
TONECRAFT
CABINET

Registration of the word "Cabinet" is not claimed apart from the mark shown.

Particular description of goods.—Cabinets for Radio, Phonograph, Combinations of Radio and Phonograph.
Claims use since Apr. 4, 1927.

Ser. No. 248,624. (CLASS 12. CONSTRUCTION MATERIALS.) THE EDWARDS MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1927.

KEYRIDGE

Particular description of goods.—Metal Lath.
Claims use since Nov. 15, 1912.

Ser. No. 248,636. (CLASS 39. CLOTHING.) HAVENS-BLAIR-CARTLICH, Kansas City, Mo. Filed May 7, 1927.



SKOOLAR

Particular description of goods.—Boys' Suits, Extra Coats, Overcoats, and Work Coats.
Claims use since January, 1925.

Ser. No. 248,662. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ADAMS-SIBLEY DEVELOPMENT CORPORATION, New York, N. Y. Filed May 9, 1927.

EL-FONIC

Particular description of goods.—Electric Pick-Ups Used in Connection with Electric Sound-Reproducing Machines.
Claims use since Feb. 15, 1927.

Ser. No. 248,665. (CLASS 2. RECEPTACLES.) THE ALBERT DICKINSON COMPANY, Chicago, Ill. Filed May 9, 1927.



Particular description of goods.—Cloth Bags.
Claims use since Apr. 14, 1927.

Ser. No. 248,669. (CLASS 39. CLOTHING.) GEO. R. BLISS & SON, INC., Worcester, Mass. Filed May 9, 1927.

BLISS-TEX

The drawing indicates letters in red on blue and white ground.

Particular description of goods.—Coats, Trousers, Men's and Boys' Suits and Overcoats.

Claims use since Mar. 23, 1927.

Ser. No. 248,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID KASTEN, Yonkers, N. Y. Filed May 9, 1927.

Kasterb

Particular description of goods.—A Medicinal Preparation for Treating Coughs, Colds, and Bronchitis; a Medicinal Preparation for Treating Constipation, Sluggish Bowels, and Regulating the Liver; and a General Tonic and Blood Purifier.

Claims use since Apr. 15, 1927.

Ser. No. 248,704. (CLASS 39. CLOTHING.) MELVILLE SHOE CORPORATION, New York, N. Y. Filed May 9, 1927.

OH LADY!

Particular description of goods.—Hosiery.

Claims use since Apr. 1, 1927.

Ser. No. 248,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed May 9, 1927.

Milkaroni

Particular description of goods.—Macaroni.

Claims use since Apr. 12, 1927.

Ser. No. 248,738. (CLASS 39. CLOTHING.) CLIMAX HOSIERY MILLS, Athens, Ga. Filed May 9, 1927.

IRREG

Particular description of goods.—Hosiery.

Claims use since Apr. 7, 1927.

Ser. No. 248,787. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed May 10, 1927.

Ser-fon

Particular description of goods.—Hosiery.

Claims use since June, 1925.

Ser. No. 248,808. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa. Filed May 11, 1927.

26

Particular description of goods.—Steel Castings.

Claims use since Apr. 9, 1927.

Ser. No. 248,814. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio. Filed May 11, 1927.



Particular description of goods.—Pumps.

Claims use since Apr. 14, 1927.

Ser. No. 248,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. LAUFER & SONS, New York, N. Y. Filed May 11, 1927.

FLS ROCKET

Particular description of goods.—Canned Fruits, Canned Vegetables, Fruit Preserves, Bottled Olives, and Bottled Cherries.

Claims use since Mar. 15, 1924.

Ser. No. 248,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERT MENACHOF, doing business as Stanford Laboratories, Cincinnati, Ohio. Filed May 11, 1927.

STANFORD'S



The surname "Stanford's" is disclaimed apart from the other features of the mark shown on the drawing.

Particular description of goods.—Tonic Used as a Laxative, System Builder, and Blood Purifier.

Claims use since May 1, 1921.

Ser. No. 248,898. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRIMES RADIO ENGINEERING CO., INC., Grassmere, Staten Island, N. Y. Filed May 12, 1927.

RGS

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Jan. 15, 1927.

Ser. No. 248,951. (CLASS 12. CONSTRUCTION MATERIALS.) THE BALDWIN-TARVIN COMPANY, Cincinnati, Ohio. Filed May 13, 1927.

LASTPATCH

Particular description of goods.—Dry Material for Making Cementitious Structures and for Pointing Up.

Claims use since Apr. 20, 1927.

Ser. No. 248,967. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NEUTROWOUND RADIO MFG. CO., Homewood, Ill. Filed May 13, 1927.

ALLECTRIC

Particular description of goods.—Radio Receiving Sets and Parts Thereof.

Claims use since Mar. 16, 1927.

Ser. No. 249,009. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IRVING KASS, New York, N. Y. Filed May 14, 1927.



Particular description of goods.—Brick-Cleansing Compound.

Claims use since May 6, 1927.

Ser. No. 249,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. W. O'CONNELL & COMPANY, Minneapolis, Minn. Filed May 14, 1927.

SANITONE

Particular description of goods.—Ointments for Skin Diseases.

Claims use since May 3, 1927.

Ser. No. 249,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ONTARIO BISCUIT COMPANY, Buffalo, N. Y. Filed May 14, 1927.

Whatsit ?

Particular description of goods.—Small Sweet Cookie.

Claims use since Mar. 31, 1927.

Ser. No. 249,021. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RED SPOT ELECTRIC CO., INC., Tacoma, Wash. Filed May 14, 1927.

RED SPOT

Particular description of goods.—Electric Water Heaters.
Claims use since Jan. 1, 1926.

Ser. No. 249,054. (CLASS 13. HARWDARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRANK GRAVES SASH, DOOR & MILL CO., Los Angeles, Calif. Filed May 16, 1927.

Adjusto-Bal

Particular description of goods.—Sash Balances.
Claims use since about Feb. 4, 1927.

Ser. No. 249,090. (CLASS 12. CONSTRUCTION MATERIALS.) NORTH WESTERN EXPANDED METAL COMPANY, Chicago, Ill. Filed May 16, 1927.

STEELHART

Particular description of goods.—Expanded-Metal Laths.
Claims use since Aug. 6, 1926.

Ser. No. 249,120. (CLASS 39. CLOTHING.) DANIEL E. HUGER, New York, N. Y. Filed May 17, 1927.

NUJOY

Particular description of goods.—Sunshade Headwear.
Claims use since May 1, 1927.

Ser. No. 249,122. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) I-SIS LABORATORIES, INC., New York, N. Y. Filed May 17, 1927.

ILCO

Particular description of goods.—Metal Polishes.
Claims use since May 7, 1927.

Ser. No. 249,132. (CLASS 39. CLOTHING.) R. J. MACARTNEY COMPANY, Lawrence, Mass. Filed May 17, 1927.

ROYAL LUXURY

Particular description of goods.—Men's and Boys' Suits, Negligee Shirts, Leather Gloves, Hats, and Caps.
Claims use since on or about Mar. 3, 1926.

Ser. No. 249,168. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & B. TEXTILE CHEMICAL CORPORATION, New York, N. Y. Filed May 18, 1927.

FINOTEX

Particular description of goods.—Preparation for Scouring Vegetable Textile Materials.
Claims use since May 15, 1925.

Ser. No. 249,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & B. TEXTILE CHEMICAL CORP., New York, N. Y. Filed May 18, 1927.

HYDROSAN

Particular description of goods.—Water Softener for Textile Finishes.
Claims use since Feb. 1, 1926.

Ser. No. 249,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER J. MENDRALSKI, doing business as Insect Tox Co., Chicago, Ill. Filed May 18, 1927.

INSECT TOX

Particular description of goods.—Insecticide.
Claims use since about July, 1924.

Ser. No. 249,201. (CLASS 39. CLOTHING.) JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed May 18, 1927. Under 10-year proviso.

JOHN B.

Applicant owns registration Nos. 139,746, 139,959, 139,960, 143,184, 143,185, 143,525, 145,824, 145,825, 145,826, 147,464.
Particular description of goods.—Soft and Stiff Felt Hats and Caps for Men and Boys.
Claims use since about Jan. 1, 1866.

Ser. No. 249,244. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SWIFT AND COMPANY, Chicago, Ill. Filed May 19, 1927.

HERCULES Washing Powder

The words "Washing Powder" are disclaimed apart from the other features of the mark.
Particular description of goods.—Soap.
Claims use since Apr. 5, 1915.

Ser. No. 249,251. (CLASS 12. CONSTRUCTION MATERIALS.) THE AGASOTE MILLBOARD CO., Trenton, N. J. Filed May 20, 1927.

THERMASOTE

Particular description of goods.—Fiber Boards Sold in Sheets Recommended as Insulating Wall Boards and Substitute for Wood, Steel, or Similar Construction Material.
Claims use since Apr. 25, 1927.

Ser. No. 249,364. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ENOCH MORGAN'S SONS COMPANY, New York, N. Y. Filed May 21, 1927.



Owner of registrations 49,646 and 118,986.
Particular description of goods.—Detergent Preparation for Cleaning, Scouring, or Polishing.
Claims use since Mar. 24, 1927.

Ser. No. 249,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME LES DENTIFRICES DU DOCTEUR PIERRE, Nanterre, France. Filed May 21, 1927.

DOCTEUR PIERRE

Particular description of goods.—Dentifrices.
Claims use since October, 1894.

Ser. No. 249,409. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ALCADA F. DODSON, doing business as Dodson Manufacturing Company, Chicago, Ill. Filed May 23, 1927.

KENIFE

Particular description of goods.—Key Holders.
Claims use since about Nov. 1, 1926.

Ser. No. 249,411. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRIEDR. HEEDER ABR. SOHN, Solingen, Germany. Filed May 23, 1927.

La Perla

Particular description of goods.—Razors and Safety Razors.
Claims use since the end of year 1899.

Ser. No. 249,413. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROLAND E. GASTON, New Kensington, Pa. Filed May 23, 1927.

Li-Gen-Pa

Particular description of goods.—Medicine for Diabetes Mellitus.
Claims use since Apr. 19, 1927.

Ser. No. 249,487. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HARRY PAPPAS, Chicago, Ill. Filed May 24, 1927.

QUEEN OF ROSES

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage and Sirups for Making the Same.
Claims use since Apr. 15, 1927.

Ser. No. 249,509. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BRODIE'S, INC., Seattle, Wash. Filed May 25, 1927.

BRO-DEE

Particular description of goods.—Hop-Flavored Malt Sirup.
Claims use since Jan. 1, 1920.

Ser. No. 249,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EFFIE T. JONES, San Pedro, Calif. Filed May 25, 1927.

SULPHUR LIFE

Particular description of goods.—Medicinal Aqueous Solution of Sulphur for Internal and External Use for Skin Diseases, Sore Throat, and Infected Tonsils, Neuritis, Rheumatism, Swollen or Aching Joints, Nervous Troubles, and General Run-Down Conditions.
Claims use since Mar. 15, 1926.

Ser. No. 249,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE MUTUAL CITRUS ASSOCIATION, Orange, Calif. Filed May 25, 1927.

GRANDEUR

Particular description of goods.—Fresh Citrous Fruit.
Claims use since Apr. 20, 1927.

Ser. No. 249,540. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) READING MALT & HOPS CO., Reading, Pa. Filed May 25, 1927.



Particular description of goods.—Extract or Sirup of Malt and Hops.
Claims use since Apr. 1, 1927.

Ser. No. 249,548. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. B. SMITH & COMPANY, INC., Utica, N. Y. Filed May 25, 1927.

BLIZZARD

Particular description of goods.—Sprayers, Spray Pumps, and Powder Dusters.
Claims use since on or about July 1, 1910.

Ser. No. 249,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VACAVILLE FRUIT GROWERS ASSOCIATION, Vacaville, Calif. Filed May 25, 1927.

Pacer

Particular description of goods.—Fresh Deciduous Fruits and Fresh Grapes.
Claims use since Mar. 15, 1927.

Ser. No. 249,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESCA PHARMACEUTICAL LABORATORIES, New York, N. Y. Filed May 26, 1927.



MAMMIES'

Particular description of goods.—Cough Medicine.
Claims use since April, 1927.

Ser. No. 249,582. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN G. GARRISH, Jersey City, N. J. Filed May 26, 1927.

IT'S PINK
SANIDAIRY
BRAND

The words "Its Pink" and "Brand" are disclaimed except in association with the other feature of the mark shown on the drawing.
Particular description of goods.—Dairy Cleansers.
Claims use since Nov. 1, 1926.

Ser. No. 249,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL MATTHEWS, Newark, N. J. Filed May 26, 1927.



Particular description of goods.—Medicinal Preparation Particularly for Purifying the Blood.
Claims use since 1923.

Ser. No. 249,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITAN CHEMICAL COMPANY, Atlanta, Ga. Filed May 26, 1927.

PURITAN ROUNDHEADS

Particular description of goods.—Deodorizer and Moth Repellent.
Claims use since June 1, 1925.

Ser. No. 249,628. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WHITE & HODGES, Everett, Mass. Filed May 26, 1927.

K

Particular description of goods.—Oils for Treating Leather.
Claims use since December, 1916.

Ser. No. 249,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES ARNAO COMPANY, INC., Minneapolis, Minn. Filed May 27, 1927.

ARNOIL

Particular description of goods.—Oil Used for Treating the Scalp.
Claims use since Apr. 13, 1927.

Ser. No. 249,648. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE DRAPER-MAYNARD COMPANY, Plymouth, N. H. Filed May 27, 1927.

BLUE FOX

Particular description of goods.—Golf Balls.
Claims use since Oct. 1, 1925.

Ser. No. 249,653. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 27, 1927.

Rosella

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 2, 1924.

Ser. No. 249,654. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 27, 1927.

Rostova

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 10, 1927.

Ser. No. 249,657. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN GRAF COMPANY, Milwaukee, Wis. Filed May 27, 1927.



Graf's Seal

Particular description of goods.—Ginger Ale and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 3, 1921.

Ser. No. 249,663. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALFRED KOHLBERG, INC., New York, N. Y. Filed May 27, 1927.

"Spirit of St. Louis"

Particular description of goods.—Silk Piece Goods and Lace Fabrics.
Claims use since May 25, 1927.

Ser. No. 249,664. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS B. KUNKEL, St. Louis, Mo. Filed May 27, 1927.



Particular description of goods.—Shoe Dressing and Polish.
Claims use since May 2, 1927.

Ser. No. 249,672. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JACOB E. NATHANSON, Boston, Mass. Filed May 27, 1927.

JO-KAN-D

Particular description of goods.—Imitation Candy.
Claims use since Mar. 25, 1927.

Ser. No. 249,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHOTWELL MFG. CO., Chicago, Ill. Filed May 27, 1927.

ROASTY TOASTY

Particular description of goods.—Candy Bar.
Claims use since Mar. 15, 1927.

Ser. No. 249,680. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM SINAIKO, doing business as Silver Springs Water Company, Madison, Wis. Filed May 27, 1927. Under 10-year proviso.



Particular description of goods.—Spring Water.
Claims use since February, 1895.

Ser. No. 249,688. (CLASS 12. CONSTRUCTION MATERIALS.) THE WOODVILLE LIME PRODUCTS CO., Toledo, Ohio. Filed May 27, 1927.

BLUE BAND

Particular description of goods.—Lime.
Claims use since Dec. 31, 1926.

Ser. No. 249,689. (CLASS 12. CONSTRUCTION MATERIALS.) THE WOODVILLE LIME PRODUCTS CO., Toledo, Ohio. Filed May 27, 1927.

BLUE TOP

Particular description of goods.—Lime.
Claims use since Dec. 31, 1926.

Ser. No. 249,690. (CLASS 12. CONSTRUCTION MATERIALS.) THE WOODVILLE LIME PRODUCTS CO., Toledo, Ohio. Filed May 27, 1927.

BLUE BOY

Particular description of goods.—Lime.
Claims use since Dec. 31, 1926.

Ser. No. 249,738. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed May 28, 1927.

MERTONVEL

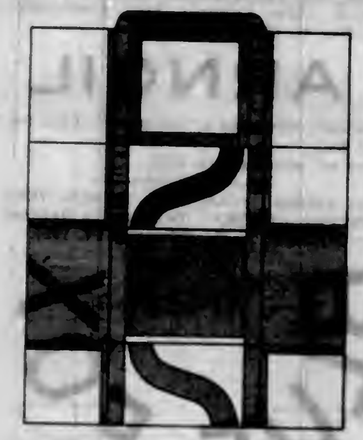
Particular description of goods.—Pile Fabrics.
Claims use since Apr. 21, 1927.

Ser. No. 249,739. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Filed May 28, 1927.

POLYTONE

Particular description of goods.—Pile Fabrics.
Claims use since Mar. 26, 1927.

Ser. No. 249,748. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLAND SOAP WORKS, Anniston, Ala. Filed May 28, 1927.



The trade-mark consists of the colors orange, white, and blue arbitrarily selected as shown. No claim being made to the representation of a carton blank per se.
Particular description of goods.—Washing Powder.
Claims use since May 9, 1927.

Ser. No. 249,758. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. A. STEVENS & BROS., Chicago, Ill. Filed May 28, 1927.

TEARS

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since May 4, 1927.

Ser. No. 249,761. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SONS, INC., New York, N. Y. Filed May 28, 1927.

SWALAINE

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 31, 1927.

Ser. No. 249,775. (CLASS 12. CONSTRUCTION MATERIALS.) AUGUSTA LIME COMPANY, Staunton, Va. Filed May 31, 1927.



Particular description of goods.—Lime.
Claims use since about August, 1926.

Ser. No. 249,779. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) CARR AND CRAIG, Baltimore, Md. Filed May 31, 1927.

REPEATER

Particular description of goods.—Malt Sirup.
Claims use since May 13, 1927.

Ser. No. 249,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUEEN ANNE CANDY COMPANY, INC., Seattle, Wash. Filed May 31, 1927.

Yes Sir

Particular description of goods.—Candy.
Claims use since about Jan. 1, 1927.

Ser. No. 249,833. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. BEUTELL, doing business as Service Laboratories, Omaha, Nebr. Filed June 1, 1927.

SER-LAB

Particular description of goods.—Moth Crystals for a Death Mist for Killing Flies, Moths, Roaches, Bedbugs, Ants, and Mosquitoes and for a Bug Spray.
Claims use since Feb. 1, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 5, 1927.

229,588. MEN'S SACK COATS AND MEN'S OVERCOATS. THE STEIN-BLOCH CO., Rochester, N. Y.
Filed April 26, 1926. Serial No. 230,774. PUBLISHED APRIL 19, 1927.

229,589. PERIODICAL ISSUED QUARTERLY. WOMAN'S DEMOCRATIC CLUB, Rockville, Md.
Filed April 29, 1926. Serial No. 230,907. PUBLISHED JUNE 22, 1926.

229,590. KITCHEN CABINETS, DOMESTIC UNITS IN THE NATURE OF CUPBOARD UNITS. MCDOUGALL COMPANY, Frankfort, Ind.
Filed May 14, 1926. Serial No. 231,625. PUBLISHED APRIL 26, 1927.

229,591. MEN'S WORK SHIRTS, FLANNEL SHIRTS, LUMBERJACK SHIRTS, SUITS, PANTS, NORFOLK COATS, AND OVERALLS. D. M. OBERMAN MFG. CO., Jefferson City, Mo., and New York, N. Y.
Filed May 17, 1926. Serial No. 231,750. PUBLISHED APRIL 19, 1927.

229,592. GLASS TABLEWARE AND GLASS DECORATIVE WARE THE SURFACE OF WHICH HAS BEEN ETCHED. UNITED STATES GLASS COMPANY, Pittsburgh, Pa.
Filed May 20, 1926. Serial No. 231,961. PUBLISHED AUGUST 24, 1926.

229,593. MECHANICAL TOYS—E. G., CHILDREN'S WHEELED TOYS. GO-TOY MFRS. INC., Brooklyn, N. Y.
Filed June 1, 1926. Serial No. 232,561. PUBLISHED APRIL 26, 1927.

229,594. PERFUMES, TOILET WATERS, FACE POWDER, TALCUM POWDER, ROUGES, LIP STICKS, HAIR TONICS, AND LOTIONS. SOCIETE LA FRANCE TOILET GOODS CO., INC., New York, N. Y.
Filed June 14, 1926. Serial No. 233,239. PUBLISHED AUGUST 10, 1926.

229,595. NONALCOHOLIC, MALTLESS BEVERAGES AND FLAVORING SIRUPS USED IN MAKING THE SAME. SEARS & DERR COMPANY, Chillicothe, Ohio.
Filed June 21, 1926. Serial No. 233,580. PUBLISHED APRIL 26, 1927.

229,596. WOMEN'S KNITTED SILK UNDERWEAR. NOE EQUL TEXTILE MILLS, INC., Reading, Pa.
Filed June 29, 1926. Serial No. 233,892. PUBLISHED APRIL 19, 1927.

229,597. STOCK AND POULTRY FEEDS. THE COLES COMPANY, Middletown, Conn.
Filed April 2, 1926. Serial No. 229,541. PUBLISHED APRIL 19, 1927.

229,598. CONTINUOUS ROLLED AND FOLDED PRINTED PAPER COMMERCIALLY DESIGNATED "CONTINUOUS PRINTING" FOR USE WITH MANIFOLDING DEVICES. AMERICAN REGISTER COMPANY, Boston, Mass.
Filed June 30, 1926. Serial No. 233,904. PUBLISHED APRIL 19, 1927.

229,599. AIR-PRESSURE GAUGES. SERVICE EQUIPMENT CO., Southgate, Calif.
Filed July 1, 1926. Serial No. 234,005. PUBLISHED APRIL 26, 1927.

229,600. TOILET PREPARATIONS—NAMELY, SHAMPOO AND HAIR TONIC. SUMA-DORE PRODUCTS, INC., New York, N. Y.
Filed July 2, 1926. Serial No. 234,060. PUBLISHED AUGUST 31, 1926.

229,601. CANNED SALMON. UNION FISHERMEN'S CO-OPERATIVE PACKING CO., Astoria, Oreg.
Filed July 10, 1926. Serial No. 234,424. PUBLISHED SEPTEMBER 21, 1926.

229,602. WOMEN'S TAILOR-MADE SUITS OF WOOL OR OF SILK, EMBROIDERED OR NOT; DRESSES MADE OF WOOL, SILK, LINEN, OR LACE, EMBROIDERED OR NOT; MANTLES MADE OF WOOL OR SILK, EMBROIDERED OR NOT; FUR-TRIMMED MANTLES, FUR MANTLES AND JACKETS; BLOUSES MADE OF SILK, LINEN, OR LACE, EMBROIDERED OR NOT; WOMEN'S UNDERWEAR OF TEXTILE FABRIC MADE OF SILK OR THREAD—NAMELY, CHEMISES, NIGHT SHIRTS OR DRESSES, DRAWERS, COMBINATIONS, MADE OF SILK OR OF THREAD. MAISON JENNY, SOCIÉTÉ ANONYME, Paris, France.
Filed July 19, 1926. Serial No. 234,718. PUBLISHED APRIL 19, 1927.

229,603. FRESH CANTALOUPES, FRESH VEGETABLES — NAMELY, LETTUCE; AND FRESH GRAPES. LAEL CHARLES LEE, El Centro, Calif.
Filed July 26, 1926. Serial No. 235,149. PUBLISHED APRIL 26, 1927.

229,604. CHILDREN'S WHEEL TOYS, DOLL CARRIAGES, VELOCIPEDES, JINGLE CARS, SCOOTERS, TOY WHEELBARROWS, AND TOY FIBER FURNITURE. CHILDREN'S VEHICLE CORPORATION, East Templeton, Mass.
Filed August 11, 1926. Serial No. 235,800. PUBLISHED APRIL 26, 1927.

229,605. AUTOMOBILE STEERING-KNUCKLE BOLTS AND BUSHINGS, TIE-ROD BOLTS AND BUSHINGS, AND SPRING-SHACKLE BOLTS AND BUSHINGS. THE FOSTORIA SCREW COMPANY, Fostoria, Ohio.
Filed August 16, 1926. Serial No. 236,025. PUBLISHED APRIL 26, 1927.

229,606. COMBINATION GARMENTS CONSISTING OF CORSETS, BRASSIÈRES, AND SANITARY BELTS. BLANCH ALONSO, doing business as Supreme Corset Co., New York, N. Y.
Filed August 19, 1926. Serial No. 236,152. PUBLISHED APRIL 19, 1927.

229,607. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed August 23, 1926. Serial No. 236,350. PUBLISHED APRIL 26, 1927.

229,608. WRITING AND PRINTING PAPER. WHITING-PLOVER PAPER COMPANY, Stevens Point, Wis.
Filed March 2, 1927. Serial No. 245,128. PUBLISHED APRIL 26, 1927.

229,609. WOMEN'S FITTED UNDERGARMENTS—NAMELY, BRASSIÈRES, CORSET BRASSIÈRES, CORSETS, GIRDLES, AND CORSELETS. WEINGARTEN BROS., New York, N. Y.
Filed March 3, 1927. Serial No. 245,173. PUBLISHED APRIL 19, 1927.

229,610. GARTERS. WILLIAM D. BAER, Detroit, Mich.
Filed March 4, 1927. Serial No. 245,185. PUBLISHED APRIL 19, 1927.

229,611. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed March 4, 1927. Serial No. 245,223. PUBLISHED APRIL 19, 1927.

229,612. COFFEE. C. D. KENNY CO., INC., Baltimore, Md.
Filed March 5, 1927. Serial No. 245,275. PUBLISHED APRIL 26, 1927.

229,613. BARLEY-MALT SIRUP. DAVID L. ROSENFELD, doing business as Red Label Products Company, Philadelphia, Pa.
Filed March 5, 1927. Serial No. 245,297. PUBLISHED APRIL 26, 1927.

229,614. MEDICINE FOR PILES. JOHN SYNNOTT, Fort Scott, Kans.
Filed March 5, 1927. Serial No. 245,305. PUBLISHED APRIL 26, 1927.

229,615. HAIR TONIC. BEN CASSALIA, doing business as The Aphrodite Mfg. Co., Syracuse, N. Y.
Filed March 7, 1927. Serial No. 245,335. PUBLISHED APRIL 26, 1927.

229,616. BREAKFAST FOOD, SELF-RISING PANCAKE FLOUR, WHOLE-WHEAT FLOUR, GRAHAM FLOUR, AND WHEAT FLOUR. G. F. EARLEY & SON, doing business as Lander Mills, Lander, Wyo.
Filed March 7, 1927. Serial No. 245,343. PUBLISHED APRIL 19, 1927.

229,617. BOTTLED OLIVES, PRESERVED FRUITS, AND BOTTLED CAPERS. LA MANNA, AZEMA & FARNAN, New York, N. Y.
Filed March 7, 1927. Serial No. 245,354. PUBLISHED APRIL 26, 1927.

229,618. NECKTIES. CHARLES RUBEN, doing business as Presto Bow Tie Company, Pittsburgh, Pa.
Filed March 7, 1927. Serial No. 245,371. PUBLISHED APRIL 19, 1927.

229,619. SOLUTION OF SODIUM HYPOCHLORIDE. THE VALHALLA COMPANY, Chicago, Ill.
Filed March 9, 1927. Serial No. 245,460. PUBLISHED APRIL 26, 1927.

229,620. GOLF BALLS. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H.
Filed March 10, 1927. Serial No. 245,479. PUBLISHED APRIL 26, 1927.

229,621. METAL LOCK-JOINT CULVERT PIPES AND HUB AND SPIGOT SEWER PIPES. AMERICAN CASTING COMPANY, Birmingham, Ala.
Filed March 11, 1927. Serial No. 245,525. PUBLISHED APRIL 26, 1927.

229,622. TONIC FOR INDIGESTION, PAINS IN THE BACK AND ABDOMEN, GIRDLE PAINS, CONSTIPATION, SLEEPLESSNESS, RHEUMATISM, GOUT, AND FEMALE DISORDERS. RICHARD SLATER, doing business as Gas-Trove Medicine Co., Chattanooga, Tenn.
Filed March 11, 1927. Serial No. 245,586. PUBLISHED APRIL 26, 1927.

229,623. MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND CONTAINING LESS THAN ONE-HALF OF ONE PER CENT OF ALCOHOL, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CAPTAIN KIDD PRODUCTS, INC., Brooklyn, N. Y.
Filed March 17, 1927. Serial No. 245,891. PUBLISHED APRIL 26, 1927.

229,624. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. LA VERNE ORANGE ASSOCIATION, La Verne, Calif.
Filed January 26, 1927. Serial No. 243,377. PUBLISHED APRIL 26, 1927.

229,625. WALL COVERING COMPRISING PLASTIC-COATED PAPER IN SHEET FORM. LINCRUSTA-WALTON COMPANY, Hackensack, N. J.
Filed January 26, 1927. Serial No. 243,381. PUBLISHED APRIL 19, 1927.

229,626. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed January 27, 1927. Serial No. 243,408. PUBLISHED APRIL 26, 1927.

229,627. WAIST BELTS, SUSPENDERS, GARTERS, AND BRACES, ALL FOR PERSONAL WEAR. MARTINS-BIRMINGHAM LIMITED, Birmingham, England.
Filed September 13, 1926. Serial No. 237,180. PUBLISHED APRIL 19, 1927.

229,628. TOOTHBRUSHES, TOOTHBRUSH HEADS AND HANDLES THEREFOR. THE TEPEA CO., Wilmington, Del.
Filed September 20, 1926. Serial No. 237,478. PUBLISHED APRIL 26, 1927.

229,629. MACHINE KNIVES. E. C. ATKINS & CO., Indianapolis, Ind.
Filed September 24, 1926. Serial No. 237,646. PUBLISHED APRIL 26, 1927.

229,630. MACHINE KNIVES. E. C. ATKINS & CO., Indianapolis, Ind.
Filed September 24, 1926. Serial No. 237,647. PUBLISHED APRIL 26, 1927.

229,631. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. LEMON GROVE FRUIT GROWERS ASSOCIATION, Lemon Grove, Calif.
Filed September 24, 1926. Serial No. 237,672. PUBLISHED APRIL 26, 1927.

229,632. A NONALCOHOLIC, MALTLESS CHOCOLATE SIRUP USED IN THE PREPARATION OF SOFT DRINKS. BOWEY'S, INC., Chicago, Ill.
Filed September 27, 1926. Serial No. 237,775. PUBLISHED APRIL 19, 1927.

229,633. VARNISHES. ELCO PAINTS PRODUCTS, INC., New York, N. Y.
Filed October 7, 1926. Serial No. 238,258. PUBLISHED APRIL 19, 1927.

229,634. HOSIERY, SHAWLS, RUFFS, COLLARS; UNDERWEAR OF KNITTED OR TEXTILE FABRIC OF COTTON, SILK, AND WOOL AND COMBINATIONS THEREOF; GLOVES OF LEATHER; MEN'S SUITS, TROUSERS, VESTS, COATS, OVERCOATS, NECKTIES, DRESS, NEGLIGEE, AND WORK SHIRTS OF LINEN, COTTON, AND SILK, COATS OF FUR OR TRIMMED WITH FUR, SWEATERS; WOMEN'S DRESSES, CAPES, COATS, SUITS, BLOUSES, SKIRTS, JACKETS, HATS, NECKWEAR CONSISTING OF FICHUS, GUIMPES, JABOTS, STOLES, SHOES OF LEATHER, CLOTH, AND RUBBER AND COMBINATIONS THEREOF. LORD & TAYLOR, New York, N. Y.
Filed October 7, 1926. Serial No. 238,269. PUBLISHED APRIL 19, 1927.

229,635. DRIED FRUITS. RALPHA HALE SELBY, Fairoaks, Calif.
Filed October 7, 1926. Serial No. 238,288. PUBLISHED APRIL 26, 1927.

229,636. NASAL DOUCHE. ABRAHAM SHEKTER, New York, N. Y., assignor to Adela B. Fisher.
Filed October 7, 1926. Serial No. 238,289. PUBLISHED APRIL 12, 1927.

229,637. WEEKLY PUBLICATION. THE FOURTH ESTATE PUBLISHING COMPANY, New York, N. Y.
Filed October 12, 1926. Serial No. 238,499. PUBLISHED APRIL 26, 1927.

229,638. BRUSHES, MOPS, DUSTERS, AND DUSTING CLOTHS. O-U-DUST CORPORATION, Pasadena, Calif.
Filed October 15, 1926. Serial No. 238,664. PUBLISHED APRIL 26, 1927.

229,639. TRUNKS, AUTO TRUNKS AND AUTO CASES, BRIEF CASES, HATBOXES (UNFITTED), AND MEN'S AND WOMEN'S SUITCASES, BELLOWS CASES, HAND BAGS, KIT BAGS, GLADSTONE CASES, FITTED CASES AND FITTED HATBOXES, PURSES, AND VANITIES. CONTINENTAL TRUNK & BAG CO., El Paso, Tex.
Filed November 9, 1926. Serial No. 239,845. PUBLISHED APRIL 19, 1927.

229,640. PEWTER WARE—NAMELY, PORRINGERS, BOWLS, BASINS, MUGS, PLATES, PLATTERS, PITCHERS, COFFEEPOTS, TEAPOTS, SUGAR BOWLS, BEAKERS, LADLES FOR SERVING FOOD, FLAGONS, AND TRAYS. WILLIAM A. F. POWER, Harvard, Mass.
Filed November 19, 1926. Serial No. 240,318. PUBLISHED APRIL 26, 1927.

229,641. FARM CULTIVATORS FOR USE PRIOR TO PLANTING. OLIVER CHILLED PLOW WORKS, South Bend, Ind.
Filed November 22, 1926. Serial No. 240,435. PUBLISHED APRIL 26, 1927.

229,642. ROASTED AND GROUND COFFEE. SOUTHERN COFFEE MILLS, LIMITED, New Orleans, La.
Filed December 4, 1926. Serial No. 241,007. PUBLISHED APRIL 26, 1927.

229,643. TABLE GAMES PLAYED WITH A BALL ON A BOARD. ANDREW L. THOMPSON, doing business as Play Paddle Mfg. Co., Seattle, Wash.
Filed December 6, 1926. Serial No. 241,073. PUBLISHED APRIL 26, 1927.

229,644. ADHESIVE CEMENT. FLEXEMENT CORP., Muskegon, Mich.
Filed March 11, 1927. Serial No. 245,540. PUBLISHED APRIL 19, 1927.

229,645. SILK GOODS IN THE PIECE. LOUIS ROSSEL & CO., INC., Hazelton, Pa., and New York, N. Y.
Filed December 10, 1926. Serial No. 241,299. PUBLISHED APRIL 26, 1927.

229,646. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL AND TOOL COMPANY, Boston, Mass.
Filed December 10, 1926. Serial No. 241,254. PUBLISHED APRIL 26, 1927.

229,647. NEWSPAPER. BULLETIN COMPANY, Philadelphia, Pa.
Filed March 11, 1927. Serial No. 245,531. PUBLISHED APRIL 26, 1927.

229,648. DAILY PUBLICATION. ATLAS PUBLISHING CO., INC., New York, N. Y.
Filed March 11, 1927. Serial No. 245,529. PUBLISHED APRIL 26, 1927.

229,649. WEEKLY PUBLICATION. LEO KOLOS, Cleveland, Ohio.
Filed March 10, 1927. Serial No. 245,499. PUBLISHED APRIL 26, 1927.

229,650. NEWS PICTURES. THE TIMES-PICAYUNE PUBLISHING CO., New Orleans, La.
Filed March 7, 1927. Serial No. 245,381. PUBLISHED APRIL 26, 1927.

229,651. HOSIERY. SHREVE & ADAMS, INC., New York, N. Y.
Filed February 21, 1927. Serial No. 244,725. PUBLISHED APRIL 19, 1927.

229,652. DIARIES. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass.
Filed February 21, 1927. Serial No. 244,721. PUBLISHED APRIL 19, 1927.

229,653. MEN'S AND YOUNG MEN'S SUITS AND OVERCOATS. CHARLES LAWRENCE BOND, doing business as International Dundee Tailoring Co., New York, N. Y.
Filed February 23, 1927. Serial No. 244,740. PUBLISHED APRIL 19, 1927.

229,654. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,768. PUBLISHED APRIL 19, 1927.

229,655. WIDE ELASTIC WEBBING FOR USE IN GARMENTS. KOPS BROS. INC., New York, N. Y.
Filed February 24, 1927. Serial No. 244,828. PUBLISHED APRIL 26, 1927.

229,656. SEPTIC TANKS. FREDERICK E. WILSON, doing business as Super-Septic Tank & Engineering Company, Buffalo, N. Y.
Filed February 24, 1927. Serial No. 244,842. PUBLISHED APRIL 26, 1927.

229,657. ENVELOPES. MAGILL-WEINSHEIMER COMPANY, Chicago, Ill.
Filed February 25, 1927. Serial No. 244,876. PUBLISHED APRIL 19, 1927.

229,658. ENVELOPES. MAGILL-WEINSHEIMER COMPANY, Chicago, Ill.
Filed February 25, 1927. Serial No. 244,877. PUBLISHED APRIL 19, 1927.

229,659. HEATERS FOR BURNING COAL, WOOD, AND GAS AS FUELS. ORDON STOVE CO., Belleville, Ill.
Filed February 25, 1927. Serial No. 244,881. PUBLISHED APRIL 26, 1927.

229,660. SPECIAL TYPE OF A GAME OF QUESTIONS AND ANSWERS PLAYED WITH CARDS AND CONTAINING DIRECTIONS FOR PLAY. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed February 25, 1927. Serial No. 244,882. PUBLISHED APRIL 26, 1927.

229,661. BUCKY DIAPHRAGMS OR SECONDARY RAY FILTERS, CASSETTES, ETC. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed October 31, 1925. Serial No. 222,645. PUBLISHED APRIL 26, 1927.

229,662. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. HALPERN-NAVISON SHOE CO., Boston, Mass.
Filed November 12, 1925. Serial No. 223,169. PUBJUNE 15, 1926.

229,663. PASTEBOARD SHIPPING CONTAINERS HAVING CORRUGATED AIR-CUSHION PADS. NEW YORK CORRUGATED CASE CO., INC., Brooklyn, N. Y.
Filed December 22, 1925. Serial No. 225,027. PUBLISHED MARCH 16, 1926.

229,664. KNITTED ARTIFICIAL-SILK FABRICS. AMERICAN RAYON PRODUCTS CORPORATION, New York, N. Y.
Filed December 30, 1925. Serial No. 225,295. PUBLISHED SEPTEMBER 21, 1926.

229,665. PAPER BAGS. E-Z OPENER BAG COMPANY, Decatur, Ill.
Filed December 30, 1925. Serial No. 225,299. PUBLISHED APRIL 26, 1927.

229,666. TYPE-OPERATED INKING APPLIANCES FOR TYPEWRITERS, ADDING MACHINES, ADDRESSOGRAPHS, CASH REGISTERS, AND CHECK PROTECTORS. W. H. YOUNG CORPORATION, Chicago, Ill.
Filed January 23, 1926. Serial No. 226,325; PUBLISHED APRIL 26, 1927.

229,667. COMBINATION GARMENTS FOR LADIES' UNDERWEAR OF TEXTILE FABRIC, GIRDLES, CORSELETS, CORSET WAISTS, BRASSIÈRES, AND BANDEAUX. THE STANDARD CORSET COMPANY, New York, N. Y.
Filed January 28, 1926. Serial No. 226,571. PUBLISHED APRIL 19, 1927.

229,668. METAL CULVERTS, CONDUITS, SEWER PIPES, MAINS, AND OIL-WELL CASING. UNION TANK & PIPE CO., Los Angeles, Calif.
Filed January 30, 1926. Serial No. 226,699. PUBLISHED MARCH 30, 1926.

229,669. NEGLIGEES. KAYATA BROTHERS, Philadelphia, Pa.
Filed February 2, 1926. Serial No. 226,774. PUBLISHED APRIL 19, 1927.

229,670. IMITATION GOLD AND SILVER LEAF MOUNTED ON A ROLL OF PAPER. PEERLESS ROLL LEAF CO., INC., New York, N. Y.
Filed February 6, 1926. Serial No. 226,968. PUBLISHED APRIL 26, 1927.

229,671. OVERCOATS FOR MEN AND WOMEN. EMMET A. JONES, Atlanta, Ga.
Filed February 19, 1926. Serial No. 227,521. PUBLISHED APRIL 19, 1927.

229,672. TRACTORS, ROAD GRADERS, CRAWLER TRACKS FOR TRACTORS, ROAD-WORKING MACHINES, AND PARTS THEREOF. THE HADFIELD-PENFIELD STEEL COMPANY, Bucyrus, Ohio.
Filed December 13, 1926. Serial No. 241,412. PUBLISHED APRIL 26, 1927.

229,673. SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed December 22, 1926. Serial No. 241,808. PUBLISHED APRIL 19, 1927.

229,674. MACHINES FOR TAPPING WATER AND GAS MAINS AND PARTS THEREOF. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,192. PUBLISHED APRIL 26, 1927.

229,675. "TOW FOO," A CHINESE BEAN CUSTARD; CANNED BEAN SPROUTS, A VEGETABLE FOR CHOP SUEYS, SOUPS, AND SALADS; CHINESE SAUCE FOR MEAT OR FISH; AND COMBINATION MOLASSES FOR COLORING AND SEASONING PURPOSES. TSO LAM, doing business as Chinese Canning Company, Chicago, Ill.
Filed December 30, 1926. Serial No. 242,198. PUBLISHED APRIL 19, 1927.

229,676. PRINTED BOOKS, BOOKLETS, AND PAMPLETS ISSUED FROM TIME TO TIME. FIRST NATIONAL BANK IN ST. LOUIS, St. Louis, Mo.
Filed January 6, 1927. Serial No. 242,420. PUBLISHED APRIL 26, 1927.

229,677. PREPARATION IN THE NATURE OF A PAINT FOR COLORING AND WATERPROOFING HARD TENNIS COURTS, PATHS, AND THE LIKE. GRASSPHALTE HARD COURTS LIMITED, London, England.
Filed January 6, 1927. Serial No. 242,429. PUBLISHED APRIL 19, 1927.

229,678. SHAMPOO. A. H. CATHCART & JAMES S. THOMPSON COMPANY, doing business as Lustrine Laboratories, St. Paul, Minn.
Filed January 8, 1927. Serial No. 242,520. PUBLISHED APRIL 26, 1927.

229,679. POLISHES FOR AUTOMOBILES, FURNITURE, AND THE LIKE PUT UP IN A SINGLE PACKAGE WITH A SUITABLE CLOTH, CHAMOIS, OR THE LIKE. ELSON AND ELSON, Chicago, Ill.
Filed January 8, 1927. Serial No. 242,527. PUBLISHED APRIL 19, 1927.

229,680. FURNITURE—NAMELY, FOLDING COTS, FOLDING TABLES, FOLDING STOOLS, AND FOLDING CHAIRS, INCLUDING COMFORT CHAIRS, RECLINING CHAIRS, AND LAWN CHAIRS. THE BEVERLY CO., Louisville, Ky.
Filed January 12, 1927. Serial No. 242,702. PUBLISHED APRIL 26, 1927.

229,681. PLAIN WHEAT FLOUR AND SELF-RISING FLOUR. MODEL MILL COMPANY, Johnson City, Tenn.
Filed January 12, 1927. Serial No. 242,736. PUBLISHED MARCH 22, 1927.

229,682. COTTON PIECE GOODS. F. U. STEARNS & COMPANY, New York, N. Y.
Filed January 15, 1927. Serial No. 242,923. PUBLISHED APRIL 26, 1927.

229,683. MATRONS', LADIES', AND MISSES' MOURNING HATS, SPORT HATS, AND CHILDREN'S HATS. D. FAGAN & SONS, New York, N. Y.
Filed January 19, 1927. Serial No. 243,044. PUBLISHED APRIL 19, 1927.

229,684. SHOES MADE FROM LEATHERS AND SATINS AND FABRICS. SHIPLEY & VAUX SHOE MFG. CO., Philadelphia, Pa.
Filed January 19, 1927. Serial No. 243,066. PUBLISHED APRIL 19, 1927.

229,685. PREPARATIONS FOR THE PREVENTION AND TREATMENT OF DISEASES OF PIGEONS OR POULTRY. SQUILLS AND DE LACY LIMITED, Clitheroe, England.
Filed January 19, 1927. Serial No. 243,068. PUBLISHED APRIL 26, 1927.

229,686. PREPARATIONS FOR THE PREVENTION AND TREATMENT OF DISEASES OF PIGEONS OR POULTRY. SQUILLS AND DE LACY LIMITED, Clitheroe, England.
Filed January 19, 1927. Serial No. 243,069. PUBLISHED APRIL 26, 1927.

229,687. PREPARATIONS FOR THE PREVENTION AND TREATMENT OF DISEASES OF PIGEONS OR POULTRY. SQUILLS AND DE LACY LIMITED, Clitheroe, England.
Filed January 19, 1927. Serial No. 243,070. PUBLISHED APRIL 26, 1927.

229,688. MEN'S, LADIES', AND CHILDREN'S HOSIERY. DILLON EXPORT & COMMISSION CO., INC., High Point, N. C.
Filed January 21, 1927. Serial No. 243,144. PUBLISHED APRIL 19, 1927.

229,689. KNITTED FABRICS OF SILK AND RAYON AND MIXTURES THEREOF. LOUIS KNECHT, doing business as The Walser Manufacturing Company, Clifton, N. J.
Filed January 22, 1927. Serial No. 243,220. PUBLISHED APRIL 26, 1927.

229,690. LADIES', MISSES', AND CHILDREN'S HATS. FRUHAUF & MUSIL, INC., New York, N. Y.
Filed January 24, 1927. Serial No. 243,262. PUBLISHED APRIL 19, 1927.

229,691. A CEREAL KNOWN AS CORN FLAKES. WILL T. MCELROY, doing business as W. T. McElroy Co., Ottumwa, Iowa.
Filed January 25, 1927. Serial No. 243,317. PUBLISHED APRIL 19, 1927.

229,692. FRESH DECIDUOUS FRUITS—NAMELY, APPLES, APRICOTS, CHERRIES, GRAPES, PEACHES, PEARS, AND PLUMS. FRANK H. BUCK COMPANY, San Francisco, Calif.
Filed September 25, 1926. Serial No. 237,720. PUBLISHED APRIL 26, 1927.

229,693. LADIES' HATS. FELDMAN BROS., INC., New York, N. Y.
Filed March 2, 1927. Serial No. 245,087. PUBLISHED APRIL 19, 1927.

229,694. MAILING WRAPPERS. THE OAK PRESS, New York, N. Y.
Filed March 2, 1927. Serial No. 245,103. PUBLISHED APRIL 26, 1927.

229,695. AROMATIC ALCOHOLS, AROMATIC ALDEHYDES, AROMATIC ESTERS, AROMATIC KETONES, AND AROMATIC ETHERS, ALL SUITABLE FOR PERFUMERY PURPOSES BECAUSE OF THEIR ODORS. ALBERT VERLEY, INC., Chicago, Ill.
Filed March 2, 1927. Serial No. 245,119. PUBLISHED APRIL 26, 1927.

229,696. MONTHLY BULLETIN. MAURICE A. PLATT, New York, N. Y.
Filed March 5, 1927. Serial No. 245,287. PUBLISHED APRIL 26, 1927.

229,697. WEEKLY MAGAZINE. ROBERT C. COOK, doing business as The Current Science Review, McComb, Miss.
Filed March 5, 1927. Serial No. 245,257. PUBLISHED APRIL 26, 1927.

229,698. QUARTERLY PERIODICAL. ABBOTT LABORATORIES, North Chicago, Ill.
Filed March 5, 1927. Serial No. 245,239. PUBLISHED APRIL 26, 1927.

229,699. CHOCOLATE-COVERED CANDY BARS. THE COXIE COMPANY, Muncie, Ind.
Filed March 4, 1927. Serial No. 245,190. PUBLISHED APRIL 26, 1927.

229,700. VARNISHES. THE MORGAN COMPANY, Peoria, Ill.
Filed March 3, 1927. Serial No. 245,156. PUBLISHED APRIL 19, 1927.

229,701. MONTHLY PUBLICATIONS DEVOTED TO OFFICE-EQUIPMENT INDUSTRY. MARLDEAN A. BORRESEN, Chicago, Ill.
Filed March 3, 1927. Serial No. 245,137. PUBLISHED APRIL 26, 1927.

229,702. SERIES OF CARTOONS OR COMIC STRIPS IN DAILY NEWSPAPER—TO WIT, THE NEW YORK EVENING GRAPHIC. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed March 1, 1927. Serial No. 245,064. PUBLISHED APRIL 26, 1927.

229,703. SERIES OF CARTOONS OR COMIC STRIPS IN DAILY NEWSPAPER—TO WIT, THE NEW YORK EVENING GRAPHIC. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed March 1, 1927. Serial No. 245,063. PUBLISHED APRIL 26, 1927.

229,704. SERIES OF CARTOONS OR COMIC STRIPS IN DAILY NEWSPAPER—TO WIT, THE NEW YORK EVENING GRAPHIC. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed March 1, 1927. Serial No. 245,062. PUBLISHED APRIL 26, 1927.

229,705. SERIES OF CARTOONS OR COMIC STRIPS IN DAILY NEWSPAPER—TO WIT, THE NEW YORK EVENING GRAPHIC. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed March 1, 1927. Serial No. 245,061. PUBLISHED APRIL 26, 1927.

229,706. LADIES' AND MISSES' HATS. FERLE HELLER, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,610. PUBLISHED APRIL 19, 1927.

229,707. MEN'S ATHLETIC UNDERWEAR MADE FROM TEXTILE FABRIC. ROBERT C. KING & CO., New York, N. Y., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md., a Corporation of Maryland.
Filed February 19, 1927. Serial No. 244,615. PUBLISHED APRIL 19, 1927.

229,708. MIRRORS. NUBBE MIRROR PLATE COMPANY, Bloomington, Ind.
Filed February 19, 1927. Serial No. 244,625. PUBLISHED APRIL 26, 1927.

229,709. BOND PAPER. PARAMOUNT PAPER AND SPECIALTY COMPANY, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,627. PUBLISHED APRIL 26, 1927.

229,710. MIRRORS. LINWOOD M. ANDREWS, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,647. PUBLISHED APRIL 26, 1927.

229,711. TRACTORS. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed February 21, 1927. Serial No. 244,662. PUBLISHED APRIL 26, 1927.

229,712. TRACTORS. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed February 21, 1927. Serial No. 244,663. PUBLISHED APRIL 26, 1927.

229,713. DENIM COATS FOR MEN, WOMEN, AND CHILDREN. H. W. CARTER & SONS., Lebanon, N. H.
Filed February 21, 1927. Serial No. 244,660. PUBLISHED APRIL 19, 1927.

229,714. TRACTORS. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed February 21, 1927. Serial No. 244,664. PUBLISHED APRIL 26, 1927.

229,715. TRACTORS. CATERPILLAR TRACTOR CO., San Leandro, Calif.
Filed February 21, 1927. Serial No. 244,665. PUBLISHED APRIL 26, 1927.

229,716. BUTTER. CHARLES W. BUSH, doing business as C. W. Bush Company, Hammond, Ind.
Filed March 10, 1927. Serial No. 245,469. PUBLISHED APRIL 19, 1927.

229,717. TITLE OF A DAILY ARTICLE OF BOXING NEWS AND COMMENT IN THE WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed March 8, 1927. Serial No. 245,408. PUBLISHED APRIL 26, 1927.

229,718. WHEAT FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed March 7, 1927. Serial No. 245,384. PUBLISHED APRIL 19, 1927.

229,719. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING COMPANY, New York, N. Y.
Filed March 7, 1927. Serial No. 245,340. PUBLISHED APRIL 26, 1927.

229,720. STATISTICAL LISTS. MOTOR REGISTRATION NEWS OF CALIFORNIA, Oakland, Calif.
Filed March 7, 1927. Serial No. 245,363. PUBLISHED APRIL 26, 1927.

229,721. MONTHLY PUBLICATION. CHAMBERS PRINTING WORKS, Kalamazoo, Mich.
Filed January 27, 1927. Serial No. 243,415. PUBLISHED APRIL 26, 1927.

229,722. MOTION-PICTURE FILMS. FILM BOOKING OFFICES OF AMERICA, INC., New York, N. Y.
Filed January 28, 1927. Serial No. 243,486. PUBLISHED APRIL 26, 1927.

229,723. SPRING STRUCTURES SUCH AS SPRING SEATS OR CUSHIONS FOR AUTOMOBILES AND THE LIKE. REYNOLDS SPRING COMPANY, Jackson, Mich.
Filed January 29, 1927. Serial No. 243,561. PUBLISHED APRIL 26, 1927.

229,724. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed January 31, 1927. Serial No. 243,586. PUBLISHED APRIL 19, 1927.

229,725. HEALING OINTMENT. ALBERT BRANDT, Trenton, N. J.
Filed February 2, 1927. Serial No. 243,686. PUBLISHED APRIL 26, 1927.

229,726. READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND VARNISH STAINS. DIAMOND OIL & PAINT CO., Scranton, Pa.
Filed February 2, 1927. Serial No. 243,691. PUBLISHED APRIL 19, 1927.

229,727. CANNED GOODS—NAMELY, FRUITS, VEGETABLES, SHELLFISH, TOMATOES, BEETS, SQUASH, STRING BEANS, CORN, SUCCOTASH, PEAS, RASPBERRIES, PEACHES, PEARS, EVAPORATED MILK, CLAMS, FISH, SHRIMP, AND LOBSTER. E. T. SMITH COMPANY, Worcester, Mass.
Filed February 4, 1927. Serial No. 243,831. PUBLISHED APRIL 19, 1927.

229,728. MACHINES FOR PRINTING ADVERTISING MATTER AND PARTS THEREOF. ESSCO PATENTS PROPRIETARY LIMITED, Melbourne, Victoria, Australia.
Filed February 5, 1927. Serial No. 243,850. PUBLISHED APPRIL 26, 1927.

229,729. MEASURING TOOLS AND INSTRUMENTS, STANDARD GAUGES, LIMIT GAUGES, THREAD GAUGES, THREAD LIMIT GAUGES, FLAT LIMIT GAUGES, END MEASURING RODS, SNAP GAUGES, TAPER GAUGES, MICROMETERS, MEASURING DISCS, RULES, SETTING AND TESTING APPLIANCES AND MEASURING BLOCKS, TEST INDICATORS, COUNTERS, AND PARTS THEREOF. LUDW. LOEWE & CO., ACTIENGESELLSCHAFT, Berlin, Germany.
Filed February 4, 1927. Serial No. 243,817. PUBLISHED APRIL 26, 1927.

229,730. LIQUID POLISH FOR PIANOS, FURNITURE, AND AUTOMOBILES. CHARLES A. SULLIVAN, San Francisco, Calif.
Filed February 4, 1927. Serial No. 243,832. PUBLISHED APRIL 19, 1927.

229,731. EGGS. GEORGE EHLENBERGER & COMPANY, INC., New York, N. Y., and Miami, Fla.
Filed February 8, 1927. Serial No. 244,004. PUBLISHED APRIL 19, 1927.

229,732. ANTISEPTIC HEALING AND SOOTHING OINTMENT FOR THE TREATMENT OF ULCERS, CHRONIC SORES, AND SKIN AFFECTIONS. ROBINSON SHIELDS COMPANY, Mechanicville, N. Y.
Filed February 8, 1927. Serial No. 244,027. PUBLISHED APRIL 26, 1927.

229,733. PERFUME AND TOILET WATER, TALCUM POWDER, FACE POWDER, TOOTH POWDER, BATH POWDER, BATH SALTS, TOOTH PASTE, SACHET, ALMOND MEAL, CREAM ROUGE, VANISHING CREAM, COLD CREAM, SKIN AND TISSUE CREAM, HEADACHE COLOGNE, SMELLING SALTS, LIP STICKS, AND TOILET CERATE. RICHARD HUDNUT, New York, N. Y.
Filed February 9, 1927. Serial No. 244,075. PUBLISHED APRIL 26, 1927.

229,734. MEDICINAL PREPARATIONS FOR PARENTERAL USE TO BE ADMINISTERED BY INJECTION WHEN SOLD IN VIALS, BOTTLES, AMPULS, OR THE LIKE. REED & CARNRICK, Jersey City, N. J.
Filed February 9, 1927. Serial No. 244,107. PUBLISHED APRIL 26, 1927.

229,735. SALAD DRESSING. LAUREL A. DICKINSON, Detroit, Mich.
Filed February 10, 1927. Serial No. 244,141. PUBLISHED APRIL 19, 1927.

229,736. FOOD-FLAVORING EXTRACTS. GREEVER-LOTSPEICH MFG. CO., Knoxville, Tenn.
Filed February 10, 1927. Serial No. 244,153. PUBLISHED APRIL 19, 1927.

229,737. FRESH CITROUS FRUITS—NAMEIL, ORANGES, LEMONS, AND GRAPEFURIT. LA VERNE ORANGE ASSOCIATION, La Verne, Calif.
Filed January 26, 1927. Serial No. 243,374. PUBLISHED APRIL 26, 1927.

229,738. LADIES', MEN'S, AND CHILDREN'S ONE AND TWO PIECE UNDERGARMENTS OF COTTON, SILK, AND WOOL, AND LADIES', MEN'S, AND CHILDREN'S COLLARS, OVERALLS, AND RAINCOATS. GARGOYLE TEXTILE CORPORATION, New York, N. Y.
Filed December 5, 1919. Serial No. 125,616. PUBLISHED NOVEMBER 9, 1920.

229,739. COTTON PRINT CLOTH PIECE GOODS. EVERETT, HEANEY & CO. INC., New York, N. Y.
Filed October 11, 1922. Serial No. 170,572. PUBLISHED APRIL 26, 1927.

229,740. WOMEN'S APPAREL—NAMELY, DRESSES, FUR SCARFS, BLOUSES, SCARFS OF TEXTILE FABRICS, SWEATERS, NEGLIGEES, MUSLIN AND SILK UNDERWEAR, SKIRTS, COATS, AND HATS. SHIRLEY MODES, INC., New York, N. Y., now by change of name Madelon Modes, Inc., a Corporation of New York.
Filed June 24, 1924. Serial No. 199,092. PUBLISHED APRIL 19, 1927.

229,741. POLISH FOR AUTOMOBILES, FURNITURE, AND THE LIKE. EDWARD R. PURVIS, Shreveport, La.
Filed October 3, 1924. Serial No. 203,387. PUBLISHED APRIL 19, 1927.

229,742. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,379. PUBLISHED FEBRUARY 16, 1926.

229,743. LADIES' HATS. PASSLOFF BROS. INC., New York, N. Y.
Filed January 21, 1925. Serial No. 208,419. PUBLISHED APRIL 19, 1927.

229,744. FRESH FRUITS AND FRESH VEGETABLES STANDARD GROWERS EXCHANGE, Orlando, Fla.
Filed March 26, 1925. Serial No. 211,717. PUBLISHED APRIL 26, 1927.

229,745. LADIES' CORSETS. THE NU BONE CORSET COMPANY, Los Angeles, Calif.
Filed April 1, 1925. Serial No. 212,022. PUBLISHED MARCH 2, 1926.

229,746. WRITING PAPER AND MAILING ENVELOPES. THE PAPER MILLS' COMPANY, Chicago, Ill.
Filed May 29, 1925. Serial No. 215,090. PUBLISHED APRIL 26, 1927.

229,747. COAL. DEXTER-CARPENTER COAL COMPANY, INCORPORATED, New York, N. Y.
Filed February 9, 1927. Serial No. 244,061. PUBLISHED APRIL 19, 1927.

229,748. SPORT COATS. GREENHILL & DANIEL, Brooklyn, N. Y.
Filed February 9, 1927. Serial No. 244,072. PUBLISHED APRIL 19, 1927.

229,749. COAL-BURNING WARM-AIR HEATING FURNACES. NORBERT STERN, doing business as United Furnace Company of America, Pittsburgh, Pa.
Filed February 14, 1927. Serial No. 244,373. PUBLISHED APRIL 26, 1927.

229,750. CHEESE. JOHN CASPARY, Glenham, N. Y.
Filed February 15, 1927. Serial No. 244,391. PUBLISHED APRIL 19, 1927.

229,751. INFANTS' AND CHILDREN'S COATS. NATHAN BASS, doing business as Pacific Kiddie Coat Company, New York, N. Y.
Filed February 16, 1927. Serial No. 244,420. PUBLISHED APRIL 19, 1927.

229,752. CARDBOARDS FOR PRINTERS, LITHOGRAPHERS, SIGN WRITERS, AND GENERAL DISPLAY WORKS. HURLOCK BROS., COMPANY, INC., Philadelphia, Pa.
Filed February 16, 1927. Serial No. 244,445. PUBLISHED APRIL 12, 1927.

229,753. CARDBOARDS FOR PRINTERS, LITHOGRAPHERS, SIGN WRITERS, AND GENERAL DISPLAY WORK. HURLOCK BROS., COMPANY, INC., Philadelphia, Pa.
Filed February 16, 1927. Serial No. 244,446. PUBLISHED APRIL 12, 1927.

229,754. CLOTHESPIN BAGS. DAVID GRIERSON, Buffalo, N. Y.
Filed February 17, 1927. Serial No. 244,498. PUBLISHED APRIL 26, 1927.

229,755. ABSORBENT WADDING MADE OF PAPER STOCK AND EMPLOYED PRINCIPALLY FOR PACKING FURNITURE AND OTHER ARTICLES. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 17, 1927. Serial No. 244,502. PUBLISHED APRIL 12, 1927.

229,756. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed February 25, 1927. Serial No. 244,895. PUBLISHED APRIL 26, 1927.

229,757. OVAL AXMINSTER RUGS. MONMOUTH RUG MILLS, INC., Englishtown, N. J.
Filed March 21, 1927. Serial No. 246,108. PUBLISHED APRIL 26, 1927.

229,758. AXMINSTER RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed March 18, 1927. Serial No. 245,967. PUBLISHED APRIL 26, 1927.

229,759. HANDKERCHIEFS. SULLIVAN SMYTHFIELD COMPANY, Philadelphia, Pa.
Filed March 15, 1927. Serial No. 245,815. PUBLISHED APRIL 26, 1927.

229,760. HANDKERCHIEFS. SULLIVAN SMYTHFIELD COMPANY, Philadelphia, Pa.
Filed March 15, 1927. Serial No. 245,814. PUBLISHED APRIL 26, 1927.

229,761. PIECE GOODS OF WOOL, COTTON, AND SILK AND MIXTURES OF THE SAME. SOCIÉTÉ ANONYME RODIER, Paris, France.
Filed March 14, 1927. Serial No. 245,758. PUBLISHED APRIL 26, 1927.

229,762. PHOTOGRAPHS. BEAR FILM CO., San Francisco, Calif.
Filed March 12, 1927. Serial No. 245,612. PUBLISHED APRIL 26, 1927.

229,763. PUBLICATION ISSUED MONTHLY. LESTER, LTD., Chicago, Ill.
Filed March 12, 1927. Serial No. 245,648. PUBLISHED APRIL 26, 1927.

229,764. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed March 11, 1927. Serial No. 245,559. PUBLISHED APRIL 19, 1927.

229,765. ADHESIVE CEMENT. FLEXEMENT CORP., Muskegon, Mich.
Filed March 11, 1927. Serial No. 245,541. PUBLISHED APRIL 19, 1927.

229,766. BIAS-FOLD TAPES AND TRIMMINGS OF FABRIC. WILLIAM E. WRIGHT AND SONS COMPANY, Orange, N. J.
Filed February 25, 1927. Serial No. 244,907. PUBLISHED APRIL 19, 1927.

229,767. DESK RULERS. WESTCOTT RULE COMPANY, INCORPORATED, Seneca Falls, N. Y.
Filed February 25, 1927. Serial No. 244,900. PUBLISHED APRIL 26, 1927.

229,768. STOCKINGS AND SOCKS. LOUIS COLMAN, West Hampstead, London, England.
Filed February 26, 1927. Serial No. 244,915. PUBLISHED APRIL 19, 1927.

229,769. HOSIERY. NOR EQUL TEXTILE MILLS, INC., Reading, Pa.
Filed October 2, 1926. Serial No. 238,009. PUBLISHED APRIL 19, 1927.

229,770. DRIED FIGS. RALPHA HALE SELBY, Fairoaks, Calif.
Filed October 7, 1926. Serial No. 238,287. PUBLISHED APRIL 26, 1927.

229,771. COAL, WOOD, AND GAS BURNING COOKSTOVES AND RANGES. HARTMAN WHOLESALE CORPORATION, Chicago, Ill.
Filed October 18, 1926. Serial No. 238,786. PUBLISHED APRIL 26, 1927.

229,772. FABRIC DOOR AND SEAT COVERS FOR AUTOMOBILES. THE CINCINNATI AUTO SPECIALTY CO., Cincinnati, Ohio.
Filed October 19, 1926. Serial No. 238,840. PUBLISHED APRIL 26, 1927.

229,773. BLANK FORMS TO BE USED IN CONNECTION WITH A LOOSE-LEAF SYSTEM FOR KEEPING INCOME-TAX RECORDS. TAX DIGEST, INC., Boston, Mass.
Filed November 2, 1926. Serial No. 239,605. PUBLISHED APRIL 19, 1927.

229,774. LADIES' HATS. BOBBY HOOD CO. INC., New York, N. Y.
Filed November 18, 1926. Serial No. 240,239. PUBLISHED APRIL 19, 1927.

229,775. LIQUID COLORS FOR HAND PAINTING ON TEXTILE FABRICS. LEO UHLFELDER CO., New York, N. Y.
Filed February 10, 1927. Serial No. 244,194. PUBLISHED APRIL 19, 1927.

229,776. CANNED FRUITS, CANNED CRAB MEAT, CANNED SALMON, CANNED EVAPORATED AND CONDENSED MILK, CANNED BEANS, CANNED RASPBERRIES, AND DRIED PRUNES. THE WILCOX-HAYES COMPANY, Portland, Oreg.
Filed February 10, 1927. Serial No. 244,200. PUBLISHED APRIL 19, 1927.

229,777. MONTHLY MAGAZINE. REAL ADVENTURES PUB. CO., INC., New York, N. Y.
Filed February 11, 1927. Serial No. 244,241. PUBLISHED APRIL 26, 1927.

229,778. PERIODICAL. THE AMERICAN JOURNAL OF CLINICAL MEDICINE, INC., North Chicago, Ill.
Filed February 14, 1927. Serial No. 244,342. PUBLISHED APRIL 26, 1927.

229,779. FURNITURE POLISH IN LIQUID FORM. JANUARIUS R. STANKO, doing business as J. R. Stanko and Co., Detroit, Mich.
Filed February 14, 1927. Serial No. 244,372. PUBLISHED APRIL 19, 1927.

229,780. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, LACQUERS, AND PAINT AND VARNISH REMOVER. THE PAYSON VARNISH CO., New York, N. Y.
Filed February 15, 1927. Serial No. 244,412. PUBLISHED APRIL 19, 1927.

229,781. TOMATOES IN THEIR NATURAL STATE. HORACE M. BATSZEL, Chicago, Ill.
Filed February 16, 1927. Serial No. 244,421. PUBLISHED APRIL 26, 1927.

229,782. HOSIERY. BONWIT TELLER & CO., New York, N. Y.
Filed February 16, 1927. Serial No. 244,423. PUBLISHED APRIL 19, 1927.

229,783. FLOOR MOPS, DUSTERS, WET MOPS, BRUSHES, ETC. DYREX DISTRIBUTORS, San Francisco, Calif.
Filed February 16, 1927. Serial No. 244,434. PUBLISHED APRIL 26, 1927.

229,784. A BLEND OF PURE COFFEE AND A BLEND OF COFFEE AND CHICORY. H. G. HILL STORES, INC., New Orleans, La.
Filed February 17, 1927. Serial No. 244,499. PUBLISHED APRIL 26, 1927.

229,785. TREATMENT FOR VENOMOUS SNAKE BITES. THE MONARCH DRUG CO., San Diego, Calif.
Filed February 17, 1927. Serial No. 244,509. PUBLISHED APRIL 26, 1927.

229,786. SALTS, ACIDS, AND COMPOUNDS. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y.
Filed February 18, 1927. Serial No. 244,533. PUBLISHED APRIL 26, 1927.

229,787. GERMICIDE AND INSECTICIDE FOR THE TREATMENT OF SKIN DISEASES, ERUPTIONS, CUTS AND SORES, DANDRUFF, ECZEMA, SCABIES, MANGE, AND THE LIKE IN MAN OR BEAST OR FOWL, AND FOR KILLING FLEAS, LICE, MITES, FLIES, ROACHES, BEDBUGS, AND OTHER VERMIN. BENJAMIN T. BOUMA, Lynnville, Iowa.
Filed February 18, 1927. Serial No. 244,537. PUBLISHED APRIL 26, 1927.

229,788. INSECTICIDES OF ALL KINDS. PURITY CHEMICAL PRODUCTS COMPANY, Santa Rosa, Calif.
Filed February 18, 1927. Serial No. 244,570. PUBLISHED APRIL 26, 1927.

229,789. MEN'S OUTER CLOTHING—VIZ, COATS, VESTS, TROUSERS, AND TWO, THREE, AND FOUR PIECE SUITS. CURLEE CLOTHING COMPANY, St. Louis, Mo.
Filed January 13, 1927. Serial No. 242,779. PUBLISHED APRIL 19, 1927.

229,790. RIBBON NOVELTIES COMPRISING RIBBON COCARDES AND GARTER SETS, SAID GARTER SETS CONSISTING OF A PAIR OF GARTERS, HANDKERCHIEF, BOUTONNIÈRE, VANITY CASE, PARTY BAG, AND SHOE-TREES, RESPECTIVELY. HENRY A. ENRICH, doing business as Henry A. Enrich & Co., New York, N. Y.
Filed February 4, 1927. Serial No. 243,801. PUBLISHED APRIL 19, 1927.

229,791. GARTERS. JUSTIS COLLINS, Charleston, W. Va.
Filed February 5, 1927. Serial No. 243,848. PUBLISHED APRIL 19, 1927.

229,792. WOMEN'S, MISSES', AND CHILDREN'S COATS, SUITS, AND DRESSES. MALITO BROS. INC., New York, N. Y.
Filed February 5, 1927. Serial No. 243,867. PUBLISHED APRIL 19, 1927.

229,793. DRESSES. SHERR BROS., New York, N. Y.
Filed February 5, 1927. Serial No. 243,890. PUBLISHED APRIL 19, 1927.

229,794. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INCORPORATED, Baltimore, Md.
Filed February 7, 1927. Serial No. 243,977. PUBLISHED APRIL 19, 1927.

229,795. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed February 9, 1927. Serial No. 244,041. PUBLISHED APRIL 19, 1927.

229,796. COAL. DEXTER-CARPENTER COAL COMPANY, INCORPORATED, New York, N. Y.
Filed February 9, 1927. Serial No. 244,059. PUBLISHED APRIL 19, 1927.

229,797. COAL. DEXTER-CARPENTER COAL COMPANY, INCORPORATED, New York, N. Y.
Filed February 9, 1927. Serial No. 244,060. PUBLISHED APRIL 19, 1927.

229,798. RADIATOR INCLOSURES AND CABINETS SERVING AS ARTISTIC AND ORNAMENTAL ADDITIONS TO FURNITURE. TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y.
Filed March 11, 1927. Serial No. 245,598. PUBLISHED APRIL 26, 1927.

229,799. RADIATOR INCLOSURES AND CABINETS SERVING AS ARTISTIC AND ORNAMENTAL ADDITIONS TO FURNITURE. TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y.
Filed March 11, 1927. Serial No. 245,600. PUBLISHED APRIL 26, 1927.

229,800. THREAD. THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y.
Filed March 12, 1927. Serial No. 245,631. PUBLISHED APRIL 26, 1927.

229,801. LEATHER BELTING. THE N. PALMER BELTING CO., Bridgeport, Conn.
Filed March 12, 1927. Serial No. 245,652. PUBLISHED APRIL 26, 1927.

229,802. TUBE CLEANERS, BOILER HAND-HOLE SEAT SCRAPERS, BOILER HAND-HOLE CAP CLEANERS, AND PARTS THEREOF. THE ROTO COMPANY, Newark, N. J.
Filed March 12, 1927. Serial No. 245,659. PUBLISHED APRIL 26, 1927.

229,803. COVERS FOR TOPS OF AUTOMOTIVE VEHICLES. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,688. PUBLISHED APRIL 26, 1927.

229,804. THREADING DIES. THE GEOMETRIC TOOL COMPANY, New Haven, Conn.
Filed March 14, 1927. Serial No. 245,706. PUBLISHED APRIL 26, 1927.

229,805. RADIATOR HANGERS AND PARTS THEREOF. HEALY-RUFF COMPANY, St. Paul, Minn.
Filed March 14, 1927. Serial No. 245,714. PUBLISHED APRIL 26, 1927.

229,806. TIRE PATCHES. KEHAWKE MANUFACTURING CO., Minneapolis, Minn.
Filed March 14, 1927. Serial No. 245,722. PUBLISHED APRIL 26, 1927.

229,807. METAL VALVES. KELLEY-CONNELL CO., Berkeley, Calif.
Filed March 14, 1927. Serial No. 245,723. PUBLISHED APRIL 26, 1927.

229,808. TOOTHBRUSHES AND TYPEWRITER BRUSHES. PHILIP M. KRANTZ, Brooklyn, N. Y.
Filed March 14, 1927. Serial No. 245,729. PUBLISHED APRIL 26, 1927.

229,809. TEXTILE-FABRIC TAPE, BOTH GUMMED AND UNGUMMED, SOLD IN ROLLS. MID-STATES GUMMED PAPER COMPANY, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,741. PUBLISHED APRIL 19, 1927.

229,810. TEXTILE-FABRIC TAPE, BOTH GUMMED AND UNGUMMED SOLD IN ROLLS. MID-STATES GUMMED PAPER COMPANY, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,742. PUBLISHED APRIL 19, 1927.

229,811. NONALCOHOLIC, MALTLESS BEVERAGES. THE SEARS & DERR COMPANY, Chillicothe, Ohio.
Filed March 14, 1927. Serial No. 245,755. PUBLISHED APRIL 26, 1927.

229,812. LEAD TRAPS, BENDS, FLANGES, LEAD-LINED PIPE AND FITTINGS, COMBINATION LEAD AND IRON BENDS AND FERRULES, AND COMBINATION SOLDERING NIPPLES. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y.
Filed February 18, 1927. Serial No. 244,534. PUBLISHED APRIL 26, 1927.

229,813. SOLDERING NIPPLES. MUELLER CO., Decatur, Ill.
Filed February 18, 1927. Serial No. 244,565. PUBLISHED APRIL 19, 1927.

229,814. MEN'S AND BOYS' SUITS. L. KUPPERMAN & CO., New York, N. Y.
Filed November 18, 1926. Serial No. 240,267. PUBLISHED APRIL 19, 1927.

229,815. INFANTS', BOYS', AND GIRLS' HEADWEAR—NAMELY, HATS, CAPS, AND BONNETS MADE OF KNITTED AND TEXTILE FABRIC. ADOLPH A. BEZOZI, New York, N. Y.
Filed December 7, 1926. Serial No. 241,079. PUBLISHED APRIL 19, 1927.

229,816. BOTTLES, JARS, DECANTERS, CARAFES, HIP FLASKS, COFFEEPOTS, TEAPOTS, JUGS, LUNCH KITS, LUNCH BOXES, CARRYING CASES FOR BOTTLES, AND DOUBLE-WALLED VACUUM FILLERS OF GLASS USED IN BOTTLES, JARS, CARAFES, JUGS, DECANTERS, COFFEEPOTS, AND TEAPOTS. THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn.
Filed December 9, 1926. Serial No. 241,199. PUBLISHED APRIL 26, 1927.

229,817. MINCEMEAT. OLD TIME MINCE MEAT CORPORATION, Syracuse, N. Y.
Filed December 10, 1926. Serial No. 241,295. PUBLISHED APRIL 19, 1927.

229,818. LADIES' AND MISSES' DRESSES. CHARLES SALOMON & Co. INC., New York, N. Y.
Filed December 14, 1926. Serial No. 241,500. PUBLISHED APRIL 19, 1927.

229,819. KNITTED WEAR—NAMELY, HOSIERY, UNDERWEAR, GLOVES, HATS, AND CAPS FOR MEN, WOMEN, OR CHILDREN, SCARFS, VESTS, SWEATERS, DRESSES, SHAWLS, SPATS, NECKTIES, AND LEGGINGS. DORÉ & FILS, Fontaine-Les-Gres, France.
Filed December 17, 1926. Serial No. 241,608. PUBLISHED APRIL 19, 1927.

229,820. VENTILATING EAVES, WINDSHIELD WINGS, AND REAR-VIEW MIRRORS FOR AUTOMOBILES. KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind.
Filed December 27, 1926. Serial No. 242,009. PUBLISHED APRIL 26, 1927.

229,821. METAL-ALLOY TUBES. CHROME ALLOY TUBE CORPORATION, New York, N. Y.
Filed December 29, 1926. Serial No. 242,092. PUBLISHED APRIL 26, 1927.

229,822. CEREAL BREAKFAST FOOD. HOYLAND FLOUR MILLS COMPANY, Kansas City, Mo.
Filed December 31, 1926. Serial No. 242,231. PUBLISHED APRIL 19, 1927.

229,823. BLANK FORM—NAMELY, INSURANCE-POLICY AND EXPIRATION-RECORD FORMS. HOWES-FAHNESTOCK, Peoria, Ill.
Filed January 14, 1927. Serial No. 242,833. PUBLISHED APRIL 12, 1927.

229,824. MATRONS', LADIES', AND MISSES' MOURNING HATS, SPORT HATS, AND CHILDREN'S HATS. D. FAGAN & SONS, New York, N. Y.
Filed January 19, 1927. Serial No. 243,045. PUBLISHED APRIL 19, 1927.

229,825. MEN'S AND BOYS' HATS AND CAPS. H. L. TOPILOW & Co., New York, N. Y.
Filed January 25, 1927. Serial No. 243,329. PUBLISHED APRIL 19, 1927.

229,826. WALL PAPER. THE TAIT PAPER AND COLOR INDUSTRIES, INC., Glens Falls, N. Y.
Filed January 26, 1927. Serial No. 243,398. PUBLISHED APRIL 19, 1927.

229,827. LADIES' BLOUSES AND DRESSES. RUBIN BLOUSE & DRESS COMPANY, New York, N. Y.
Filed January 27, 1927. Serial No. 243,458. PUBLISHED APRIL 19, 1927.

229,828. MEN'S, BOYS', AND WOMEN'S TIES AND CRAVATS. L. SAMTER & SONS, San Francisco, Calif.
Filed January 29, 1927. Serial No. 243,562. PUBLISHED APRIL 19, 1927.

229,829. MEN'S DRESS AND NEGLIGEE SHIRTS. WILLIAM M. WALLACE, Chicago, Ill.
Filed January 29, 1927. Serial No. 243,569. PUBLISHED APRIL 19, 1927.

229,830. HAND-WROUGHT IRON PRODUCTS—NAMELY, IRON GRILLE-WORK GUARDS, FENCES AND PANELS, ANDIRONS, GATES, AND HAND RAILS, FIRE SCREENS, HOOKS AND HANGERS, HINGES, LATCHES, BRACKETS, DOOR PULLS, AND PUSH PLATES, ESCUTCHEONS, AND CURTAIN SUPPORTS. JULIUS DIETZMANN, doing business as Ironcraft Works, Los Angeles, Calif.
Filed January 31, 1927. Serial No. 243,596. PUBLISHED APRIL 26, 1927.

229,831. RAINCOATS. J. C. HAARTZ COMPANY, New Haven, Conn.
Filed January 31, 1927. Serial No. 243,603. PUBLISHED APRIL 19, 1927.

229,832. MEN'S HATS AND CAPS. FINCHLEY INC., New York, N. Y.
Filed February 2, 1927. Serial No. 243,696. PUBLISHED APRIL 19, 1927.

229,833. YOUNG MEN'S AND BOYS' SUITS, COATS, TROUSERS, AND OVERCOATS. J. KLEINMAN SONS & FRIEDLANDER INC., New York, N. Y.
Filed February 2, 1927. Serial No. 243,707. PUBLISHED APRIL 19, 1927.

229,834. KITCHEN WIRE GOODS—NAMELY, DISH DRAINERS, COFFEE AND TEA STRAINERS, SOUP STRAINERS, AND JELLY STRAINERS. UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md.
Filed March 14, 1927. Serial No. 245,765. PUBLISHED APRIL 26, 1927.

229,835. PERFUMES AND TOILET WATERS, FACE POWDERS, COLD CREAMS, VANISHING CREAMS, MASSAGE CREAMS, CLEANSING CREAMS, AND FACE AND HAND LOTIONS. MARI' TRUDEAU Co., St. Paul, Minn.
Filed March 15, 1927. Serial No. 245,796. PUBLISHED APRIL 26, 1927.

229,836. DOLLS. IDEAL NOVELTY & TOY CO., Brooklyn, N. Y.
Filed March 18, 1927. Serial No. 245,987. PUBLISHED APRIL 26, 1927.

229,837. SELF-LUBRICATING METAL-GRAPHITE BEARINGS. THE UNITED STATES GRAPHITE COMPANY, Saginaw, Mich.
Filed March 15, 1927. Serial No. 245,817. PUBLISHED APRIL 26, 1927.

229,838. HYDRAULIC HOISTS. WESTERN ELEVATOR & MFG. CO., San Jose, Calif.
Filed March 16, 1927. Serial No. 245,877. PUBLISHED APRIL 26, 1927.

229,839. FORK-TINE STRAIGHTENERS. JOHANNES TH. PEDERSEN, New York, N. Y.
Filed March 17, 1927. Serial No. 245,919. PUBLISHED APRIL 26, 1927.

229,840. NASAL EMOLLIENT. SAN-I-SAL LABORATORIES, INC., Washington, D. C.
Filed March 17, 1927. Serial No. 245,926. PUBLISHED APRIL 26, 1927.

229,841. INSECTICIDE. SCOTT DRUG COMPANY, Charlotte, N. C.
Filed March 17, 1927. Serial No. 245,928. PUBLISHED APRIL 26, 1927.

229,842. CHEMICAL COMPOUND FOR CLEANING TOILET BOWLS, SINKS, BATHTUBS, AND DRAINPIPES. E. M. E. CORPORATION, doing business as Kemiko Mfg. Co., Newark, N. J.
Filed March 19, 1927. Serial No. 246,018. PUBLISHED APRIL 26, 1927.

229,843. BRILLIANTINE. EMIL D. SCHNEIDER, doing business as Gintone Laboratories, Memphis, Tenn.
Filed March 19, 1927. Serial No. 246,055. PUBLISHED APRIL 26, 1927.

229,844. INSECTICIDES. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed March 21, 1927. Serial No. 246,092. PUBLISHED APRIL 26, 1927.

229,845. EFFERVESCENT SALT FOR THE TREATMENT OF NERVOUS DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 21, 1927. Serial No. 246,136. PUBLISHED APRIL 26, 1927.

229,846. SKIN CREAMS, SKIN LOTIONS, DENTAL CREAMS, AND FACE POWDERS. STOVER, INC., Detroit, Mich.
Filed February 28, 1927. Serial No. 245,033. PUBLISHED APRIL 26, 1927.

229,847. SILK GOODS IN THE PIECE. BENJAMIN R. THEISE, New York, N. Y.
Filed February 28, 1927. Serial No. 245,034. PUBLISHED APRIL 26, 1927.

229,848. PLAIN WHEAT FLOUR AND SELF-RISING FLOUR. MODEL MILL COMPANY, Johnson City, Tenn.
Filed February 20, 1926. Serial No. 227,592. PUBLISHED APRIL 13, 1926.

229,849. HOUSEHOLD COUCHES, BEDS, MATTRESSES, AND BED SPRINGS. ROLL-A-WAY BED CORPORATION, Chicago, Ill.
Filed February 26, 1926. Serial No. 227,853. PUBLISHED APRIL 26, 1927.

229,850. ALL-METAL CHRISTMAS-TREE HOLDERS. ALL-AMERICAN RADIO CORPORATION, Chicago, Ill.
Filed March 3, 1926. Serial No. 228,019. PUBLISHED APRIL 26, 1927.

229,851. SHAMPOO SOAP. CEREAL SOAPS CO. INC., New York, N. Y.
Filed March 5, 1926. Serial No. 228,173. PUBLISHED MAY 4, 1926.

229,852. FRESH CITROUS FRUITS AND FRESH GRAPES. FRANCIS S. ECKEL, Los Angeles, Calif.
Filed March 6, 1926. Serial No. 228,231. PUBLISHED APRIL 26, 1927.

229,853. WHEAT FLOUR, WHEAT SHORTS, WHEAT BRAN, WHEAT CEREAL BREAKFAST FOOD, AND POULTRY FOODS—NAMELY, CHICK STARTER FEED, GROWING SCRATCH FEED, CHICK SCRATCH FEED, LAYING SCRATCH FEED, GROWING MASH, AND EGG MASH. NORFOLK CEREAL AND FLOUR MILLS COMPANY, Norfolk, Nebr.
Filed March 6, 1926. Serial No. 228,259. PUBLISHED APRIL 19, 1927.

229,854. FRESH CITROUS FRUITS AND FRESH GRAPES. FRANCIS S. ECKEL, Los Angeles, Calif.
Filed March 13, 1926. Serial No. 228,600. PUBLISHED APRIL 26, 1927.

229,855. FRESH CANTALOUPES AND FRESH VEGETABLES. MARTIN C. WAHL, El Centro, Calif.
Filed March 13, 1926. Serial No. 228,627. PUBLISHED APRIL 26, 1927.

229,856. MALT EXTRACTS FOR FOOD PURPOSES. SCHORR-KOLKSCHNEIDER COMPANY, St. Louis, Mo.
Filed March 15, 1926. Serial No. 228,669. PUBLISHED JUNE 29, 1926.

229,857. STOCK AND POULTRY FEEDS. THE COLES COMPANY, Middletown, Conn.
Filed March 22, 1926. Serial No. 228,976. PUBLISHED APRIL 19, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

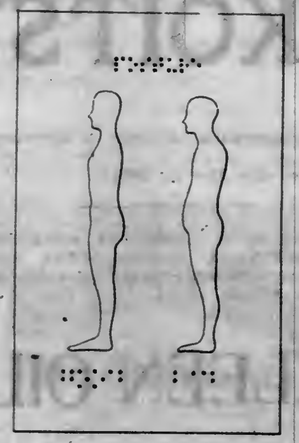
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

229,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DORA E. CAMPBELL, doing business as D. Campbell, Paterson, N. J. Filed May 23, 1927. Serial No. 249,405.



Particular description of goods.—Salve for Treating Wounds, Cuts, Scratches, Bites, and Burns.
Claims use since September, 1916.

229,859. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MARY K. HART, Gloversville, N. Y. Filed Apr. 16, 1926. Serial No. 230,294.



Particular description of goods.—Posture Chart for the Instruction of the Blind.
Claims use since Jan. 15, 1925.

229,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDITH H. GAULD, St. Paul, Minn. Filed May 5, 1926. Serial No. 231,147.

Gauld's

Particular description of goods.—Eczema and Skin Preparation.
Claims use since Apr. 22, 1926.

229,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANADIAN FISH & COLD STORAGE CO. LTD., Prince Rupert, British Columbia, Canada. Filed May 17, 1926. Serial No. 231,722.

RUPERT BRAND

Particular description of goods.—Fresh Fish.
Claims use since 1914.

229,862. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLEVE T. SHAFFER, doing business as Dek Sales Co., San Francisco, Calif. Filed June 14, 1926. Serial No. 233,236.

"KOITS"

Particular description of goods.—A Net Game Similar to Tennis.
Claims use since May 22, 1926.

229,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed June 18, 1926. Serial No. 233,465.

KLEEN OIL

Particular description of goods.—A Composition for Treating Cut Oil, Basic Sediment Oil, Oil-Tank Bottoms, and Refuse Oil for the Purpose of Removing Water Therefrom.
Claims use since May 26, 1926.

229,864. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GRADY MFG. CO., Long Island City, N. Y. Filed Dec. 24, 1926. Serial No. 241,941.

GRADY'S
Rain Spot
Remover

Particular description of goods.—Cleaning, Protecting, and Polishing Preparation for Metals.
Claims use since Apr. 1, 1926.

229,865. (CLASS 12. CONSTRUCTION MATERIALS.) WELT & SONS PAPER COMPANY, Detroit, Mich. Filed Jan. 26, 1927. Serial No. 243,405.

RainPruf

Particular description of goods.—Building and Insulating Paper.
Claims use since Apr. 1, 1925.

229,866. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MAJOR FRUIT PRODUCTS COMPANY, Portland, Oreg. Filed Mar. 23, 1927. Serial No. 246,213.

Prun Ale

Particular description of goods.—Nonalcoholic, Maltless Beverages.
Claims use since Feb. 1, 1922.

229,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Filed May 16, 1927. Serial No. 249,089.

THE WORLD'S FINEST

Particular description of goods.—Canned Crab.
Claims use since May 1, 1925.

229,868. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE AND RUBBER COMPANY, Akron, Ohio. Filed May 21, 1927. Serial No. 249,346.

DOUBLE CUSHION

Particular description of goods.—Resilient Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since July 1, 1925.

229,869. (CLASS 39. CLOTHING.) CASA ANCHORENA, INC., New York, N. Y. Filed Mar. 28, 1927. Serial No. 246,463.

PATAGONIA
M M
COMODO Y BUENO
MADE IN U.S.A.

Particular description of goods.—Rubber Heels.
Claims use since or prior to Jan. 1, 1926.

229,870. (CLASS 39. CLOTHING.) JOSEPH COHN & SON, New York, N. Y. Filed Apr. 8, 1927. Serial No. 247,125.

STANLEY
SPECIAL

Particular description of goods.—Leather Shoes.
Claims use since February, 1923.

229,871. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. B. MCNEAL, doing business as Pittsburgh Pretzel Co. Limited, Pittsburgh, Pa. Filed Apr. 15, 1927. Serial No. 247,477.

McNeal's
"Pretzel with a Taste"

Particular description of goods.—Pretzels.
Claims use since Oct. 1, 1913.

229,872. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) PERFECT FIT MANUFACTURING CO., Portland, Oreg. Filed Mar. 4, 1927. Serial No. 245,221.

"Perfect Fit"
MANUFACTURING CO.

Particular description of goods.—Automobile Tops, Side Curtains, and Seat Covers.
Claims use since Feb. 1, 1924.

229,873. (CLASS 39. CLOTHING.) HENRY E. MAASS, St. Louis, Mo. Filed Mar. 11, 1927. Serial No. 245,571.

Hat Mart

Particular description of goods.—Hats for Women and Children.
Claims use since on or about Feb. 1, 1916.

229,874. (CLASS 39. CLOTHING.) MOE LEVY & SON, New York, N. Y. Filed Mar. 19, 1927. Serial No. 246,044.

StyleCool

Particular description of goods.—Men's and Young Men's Suits.
Claims use since Sept. 1, 1925.

229,875. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ECONOMICAL DRUG CO., Chicago, Ill. Filed July 17, 1926. Serial No. 234,664.



Drawing is lined for blue, red, and gold.
Particular description of goods.—Ginger Ale.
Claims use since April, 1926.

229,876. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BELLAS HESS & Co., New York, N. Y. Filed May 7, 1926. Serial No. 231,234.

FIFTH AVENUE ULTRA STYLE

Particular description of goods.—Wearing-Apparel Patterns.
Claims use since about Jan. 25, 1926.

229,877. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED D. WARREN, doing business as The Dwight Company, Chicago, Ill. Filed Apr. 7, 1926. Serial No. 229,837.

Dwight's
Befor-Shaving

Particular description of goods.—Face Lotions.
Claims use since Nov. 6, 1923.

229,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAFFAE & BELLION, doing business as Glas-Jar Coffee Co., New York, N. Y., assignor to Glas-Jar Coffee Co., Inc., a Corporation of New York. Filed Mar. 27, 1926. Serial No. 229,307.

Glas-Jar

Particular description of goods.—Coffee and Tea.
Claims use since Jan. 2, 1926.

229,879. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed June 19, 1925. Serial No. 216,049.

RED HEAD

Particular description of goods.—Matches.
Claims use since Jan. 24, 1925.

229,880. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE VOTTELER-HOLTKAMP-SPARLING ORGAN COMPANY, Cleveland, Ohio. Filed Aug. 23, 1926. Serial No. 236,353.

LUDWIG'S
TONE

Particular description of goods.—Pipe Organs and Parts Thereof.
Claims use since July 9, 1925.

229,881. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) DRACO MFG. CO., Peoria, Ill. Filed Aug. 7, 1926. Serial No. 235,689.

SILENT Lincoln OIL Burner

Particular description of goods.—Oil Burners and Parts Thereof.
Claims use since Aug. 15, 1925.

229,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALICE L. FINKE, doing business as Sherman-Williams Company, Temple, Calif. Filed July 26, 1926. Serial No. 235,137.

SHERMAN-WILLIAMS
COMPANY

Particular description of goods.—Stock Feed—Namely, Chicken Feed, Goat Feed, Scratch Feed, Mash, and Dairy Feed.
Claims use since Apr. 1, 1922.

229,883. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLUFF MANUFACTURING CO., San Francisco, Calif. Filed July 24, 1926. Serial No. 235,031.

CLUFF

Particular description of goods.—Birdseed, Dried Currants, Chicory, Coffee, Farina, Honey, Dried Lentils, Prepared Mustard, Olive Oil, Peanut Butter, Popping Corn, Raisins, Rice, Tapioca, Vinegar, Food-Flavoring Extracts, Ground Spices, Whole Spices, Paprika, Tea, Pearl Barley, Powdered Sugar, and Split Peas.
Claims use since Mar. 31, 1926.

229,884. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNION TALC COMPANY OF GOUVERNEUR, New York and Gouverneur, N. Y. Filed Sept. 21, 1926. Serial No. 237,522.

ASBESTOS POWDER

Particular description of goods.—Pulp Made of Ground, Pulverized, and Powdered and Prepared Talc for Use as a Filler for and in the Preparation and Making of Varnish, Paint, Wall Tints, Calcimine, Paper, Rubber, Soap, and Wood Filler.
Claims use since Sept. 1, 1907.

229,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. BAYNE, doing business as Bayne Laboratories, San Francisco, Calif. Filed Oct. 22, 1926. Serial No. 239,011.

Bayne

Particular description of goods.—Face Cream, Face Lotion, Shampoo, Bay Rum, Hair Tonic, Chinese Muscle Oil, Astringent, Rouge, Face Powder, Face Pack, Depilatory, and Toilet Water.
Claims use since Oct. 1, 1924.

229,886. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS GINIGER, New York, N. Y. Filed Mar. 4, 1927. Serial No. 245,207.

Richfield Spring

Particular description of goods.—Butter.
Claims use since Mar. 1, 1926.

229,887. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNION TALC COMPANY OF GOUVERNEUR, New York and Gouverneur, N. Y. Filed Sept. 21, 1926. Serial No. 237,521.

ASBESTOS PULP

Particular description of goods.—Pulp Made of Ground, Pulverized, and Powdered and Prepared Talc for Use as a Filler for and in the Preparation and Making of Varnish, Paint, Wall Tints, Calcimine, Paper, Rubber, Soap, and Wood Filler.
Claims use since Sept. 1, 1907.

229,888. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE THERMO ELECTRIC INSTRUMENT CO., Irvington, N. J. Filed Apr. 26, 1927. Serial No. 248,023.

FREAS

Particular description of goods.—Electric Ovens, Incubators, Water Baths, and Automatic Temperature Controls, All for Laboratory Purposes.
Claims use since Jan. 11, 1911.

229,889. (CLASS 17. TOBACCO PRODUCTS.) S. BENADERET, INC., San Francisco, Calif. Filed Apr. 29, 1927. Serial No. 248,148.

Ambar

Particular description of goods.—Cigarettes.
Claims use since January, 1924.

229,890. (CLASS 39. CLOTHING.) OLYMPIA KNITTING MILLS, INC., Olympia, Wash. Filed Apr. 29, 1927. Serial No. 248,188.

"The Suit That Swimmers Wear"

Particular description of goods.—Swimming Suits.
Claims use since Aug. 7, 1925.

229,891. (CLASS 39. CLOTHING.) WILLIAM HAHN & Co., Washington, D. C. Filed Apr. 16, 1927. Serial No. 247,582.

HAHN
HEALTH
SHOE

Particular description of goods.—Shoes of Leather or Fabric.
Claims use since Oct. 21, 1925.

229,892. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE WILLIAMS MANUFACTURING COMPANY, Portsmouth, Ohio. Filed Apr. 23, 1925. Serial No. 213,212.

Johnnie Walker

Particular description of goods.—Golf Bags.
Claims use since Apr. 15, 1925.

229,893. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUGUSTUS B. DEVILLE, doing business as De Ville and Dangler, Cleveland, Ohio. Filed Aug. 22, 1925. Serial No. 219,235.

NEW METHOD

Particular description of goods.—Arch Supports.
Claims use since about October, 1916.

229,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES F. SIMPSON, doing business as Simpson Manufacturing Company, Fort Smith Ark. Filed Feb. 23, 1926. Serial No. 227,692.

SIMPSON'S
Fly
DEATH

Particular description of goods.—Insecticide.
Claims use since August, 1925.

229,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGINIA DARE EXTRACT CO., Brooklyn, N. Y. Filed Mar. 11, 1926. Serial No. 228,511.

CLARET WINE JELL

Particular description of goods.—Flavoring Extracts for Food Purposes.
Claims use since July 23, 1925.

229,896. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. GARDNER, doing business as Fortune-Ward Drug Company, Memphis, Tenn. Filed May 24, 1926. Serial No. 232,130.

GUMEZE

Particular description of goods.—Medicinal Composition Intended for Application to the Gums.
Claims use since Feb. 1, 1921.

229,897. (CLASS 39. CLOTHING.) BROKAW BROTHERS, New York, N. Y. Filed June 8, 1926. Serial No. 232,866.

Concord Cloth

Particular description of goods.—Men's and Boys' Suits.
Claims use since on or about May 25, 1926.

229,898. (CLASS 39. CLOTHING.) BROKAW BROTHERS, New York, N. Y. Filed June 15, 1926. Serial No. 233,267.

Wayne Weave

Particular description of goods.—Men's and Boys' Suits.
Claims use since on or about May 20, 1926.

229,899 (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROLAND HOYT SLOAN, New York, N. Y., assignor to International Fire Equipment Corporation, West New Brighton, N. Y., a Corporation of Delaware. Filed July 3, 1926. Serial No. 234,164.

Shur-Stop

Particular description of goods.—Fire Extinguishing Grenades and Supports Therefor.
Claims use since May 24, 1926.

229,900. (CLASS 32. FURNITURE AND UPHOLSTERY.) S. A. MAXWELL & CO. INC., Chicago, Ill. Filed July 23, 1926. Serial No. 234,967.

EVENROLL

Particular description of goods.—Window Shades.
Claims use since May 27, 1926.

229,901. (CLASS 12. CONSTRUCTION MATERIALS.) THE SULLIVAN COMPANY, Memphis, Tenn. Filed Sept. 15, 1926. Serial No. 237,294.

KEMI-KAL

Particular description of goods.—Preparation for Hardening, Dustproofing, Acidproofing, Oilproofing, and Waterproofing Concrete and Cement Surfaces and for Sizing Plaster and Cement Walls and Prepared Either in Crystal or in Liquid Form.
Claims use since June 1, 1926.

229,902. (CLASS 39. CLOTHING.) JAMES MCCURRACH & BROTHER, New York, N. Y. Filed Nov. 17, 1926. Serial No. 240,198.

SILK TWEED

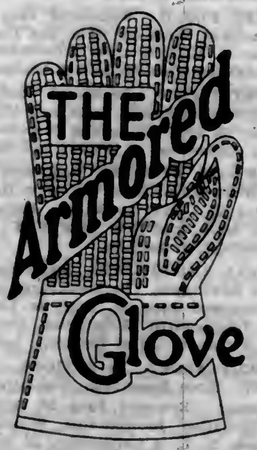
Particular description of goods.—Neckties of Pure Silk or of Silk and Bemberg.
Claims use since July, 1923.

229,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAVOR-AID SAUCES CORP., Richmond, Va. Filed Dec. 6, 1926. Serial No. 241,046.

Flavor-Aid

Particular description of goods.—Food Sauces for Flavoring Meats, Sea Foods, Gravies, and Soups or for Use as Condiments.
Claims use since Nov. 1, 1926.

229,904. (CLASS 39. CLOTHING.) THE SAGER GLOVE CORPORATION, Chicago, Ill. Filed Jan. 15, 1927. Serial No. 242,913.



Particular description of goods.—Leather Gloves.
Claims use since Aug. 2, 1925.

229,905. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARVER FILE COMPANY, doing business as Delta File Works, Philadelphia, Pa. Filed Mar. 11, 1927. Serial No. 245,583.

CARPENTERS' SPECIAL

Particular description of goods.—Files.
Claims use since July 1, 1909.

229,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS J. HOROWITZ, doing business as Kleen-A-Skin Laboratories, Brooklyn, N. Y. Filed Mar. 18, 1927. Serial No. 245,986.

I-ODEEN

"I-Odeen."
Particular description of goods.—Mouth Wash.
Claims use since January, 1926.

229,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. G. DUNWODY & SONS, Atlanta, Ga. Filed Apr. 13, 1927. Serial No. 247,362.

MINT-ASPIRIN

Particular description of goods.—A Medicinal and Pharmaceutical Preparation for the Relief of Headaches, Colds, Toothache, Sore Throat, Rheumatism, and Neuralgia.
Claims use since Mar. 20, 1925.

229,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LO PRESTI BROS., Chicago, Ill. Filed May 3, 1927. Serial No. 248,369.

TRENTO
TRIESTE

Particular description of goods.—Edible Vegetable Oil.
Claims use since about 1922.

229,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. M. LARRY, Gary, Ind. Filed May 14, 1927. Serial No. 249,010.

W. M. LARRY'S

Particular description of goods.—Liniment for Use in the Treatment of Rheumatism, Pains in the Body, and Stiff Joints and for a Tonic for Use in the Treatment of Constipation, Bilious Fevers, and Stomach Trouble.
Claims use since June 15, 1920.

TRADE-MARK REGISTRATIONS RENEWED

30,338. PHARMACEUTICAL PREPARATIONS FOR THE CURE OF CHLOROSIS AND ALL FORMS OF ANÆMIA. Registered July 6, 1897. JOHANN EMIL STROSCHEIN, Berlin, Germany. Renewed July 6, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

56,718. SMOKED AND PICKLED MEATS. Registered October 16, 1906. F. A. FERRIS & COMPANY. Renewed October 16, 1926, to F. A. Ferris & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

57,901. A CLEANSING COMPOUND. Registered December 4, 1906. JOHN T. STANLEY. Renewed December 4, 1926, to John T. Stanley Co. Inc., New York, N. Y., a Corporation of New York, successor.

58,412. A FERRUGINOUS PREPARATION. Registered December 11, 1906. NICOLAY & Co., Zurich, Switzerland, and Hanau, Germany. Renewed December 11, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

58,700. INSULATING AND PROTECTIVE PAINTS AND VARNISHES. Registered December 25, 1906. AKTIENGESELLSCHAFT FÜR ASPHALTIRUNG UND DACHBEDECKUNG VORMALS JOHANNES JESERICH, Charlottenburg, Germany. Renewed December 25, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

58,735. REMEDIES FOR NERVE WEAKNESS AND SEXUAL NEURASTHENIA. Registered December 25, 1906. ERNST ALEXANDER, Berlin, Germany. Renewed December 25, 1926, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

60,607. CERTAIN CHEMICALS. Registered February 12, 1907. DR. O. KNÖFLER AND COMPANY, Plötzensee, near Berlin, Germany. Renewed February 12, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

61,839. ALL KINDS OF CANDIES. Registered April 9, 1907. ADVANCE NOVELTY CO. Renewed April 9, 1927, to Advance Candy Co. Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

62,691. FELT AND STRAW HATS. Registered May 21, 1907. HARRIS-POLK HAT COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed May 21, 1927.

62,714. WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Renewed May 21, 1927, to The Wheeler Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

62,715. WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Renewed May 21, 1927, to The Wheeler Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

62,716. WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Renewed May 21, 1927, to The Wheeler Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

62,717. WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Renewed May 21, 1927, to The Wheeler Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

62,724. DYED COTTON FABRICS. Registered May 21, 1907. OTTO GOETZE. Renewed May 21, 1927, to Otto Goetze Company, New York, N. Y., a Corporation of New York, assignee.

62,768. WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Renewed May 21, 1927, to The Wheeler Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

62,929. A REMEDY FOR DISEASES OF THE LIVER. Registered May 28, 1907. MOFFIT-WEST DRUG CO. Renewed May 28, 1927, to Melachol Pharmacal Company, St. Louis, Mo., a Corporation of Missouri, assignee.

63,023. CERTAIN EDGE TOOLS. Registered June 4, 1907. SARAH C. MORRILL. Renewed June 4, 1927, to Chas. Morrill, Inc., New York, N. Y., a Corporation of New York, successor.

63,054. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,056. CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed June 4, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

63,065. CANDY. Registered June 4, 1907. THE CATAWBA CANDY COMPANY, Sandusky, Ohio, a Corporation of Ohio. Renewed June 4, 1927.

63,530. WHEAT FLOUR. Registered June 25, 1907. LYON & GREENLEAF, Wauseon, Ohio, and Ligonier, Ind. Renewed June 25, 1927, to Lyon & Greenleaf Co., Ligonier, Ind., a Corporation of Indiana, successor.

63,531. WHEAT FLOUR. Registered June 25, 1907. LYON & GREENLEAF, Wauseon, Ohio, and Ligonier, Ind. Renewed June 25, 1927, to Lyon & Greenleaf Co., Ligonier, Ind., a Corporation of Indiana, successor.

63,544. HACK-SAW BLADES. Registered June 25, 1907. THE WEST HAVEN MFG. CO., West Haven, Conn. Renewed June 25, 1927, to Millers Falls Company, Millers Falls, Mass., and New York, N. Y., a Corporation of Massachusetts, assignee.

63,554. A LOCAL ANÆSTHETIC. Registered June 25, 1907. HUGO ROSENBERG, Charlottenburg, near Berlin, Germany. Renewed June 25, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,562. SUBCUTANEOUS INJECTIONS. Registered June 25, 1907. HUGO ROSENBERG, Charlottenburg, near Berlin, Germany. Renewed June 25, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,563. REMEDY FOR CERTAIN DISEASES. Registered June 25, 1907. HUGO ROSENBERG, Charlottenburg, near Berlin, Germany. Renewed June 25, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

63,687. PAPER AND PAPERBOARDS FOR WRAPPING PURPOSES. Registered July 2, 1907. THE UNION BAG & PAPER COMPANY, New York, N. Y. Renewed July 2, 1927, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

63,688. PAPER BAGS. Registered July 2, 1907. THE UNION BAG & PAPER COMPANY. Renewed July 2, 1927, to Union Bag & Paper Corporation, New York, N. Y., a Corporation of New Jersey, assignee.

63,694. CANNED FRUITS. Registered July 2, 1907. CALIFORNIA CANNERIES CO., San Francisco, Calif., a Corporation of California. Renewed July 2, 1927.

63,815. WHEAT FLOUR. Registered July 9, 1907. LYON & GREENLEAF, Wauseon, Ohio, and Ligonier, Ind. Renewed July 9, 1927, to Lyon & Greenleaf Co., Ligonier, Ind., a Corporation of Indiana, successor.

63,884. SPARK PLUGS, TERMINALS, HOODS, BUSHINGS, AND PORCELAINS. Registered July 9, 1907. RAJAH AUTO-SUPPLY COMPANY, New York, N. Y. Renewed July 9, 1927, to The Rajah Company, Bloomfield, N. J., a Corporation of New Jersey, assignee.

63,899. MAGAZINES AND PERIODICALS. Registered July 16, 1907. THE SHORT STORIES COMPANY LTD., New York, N. Y. Renewed July 16, 1927, to Doubleday Page & Co., Garden City, N. Y., a Corporation of New York, assignee.

63,912. CANNED FISH. Registered July 16, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed July 16, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

64,036. GREEN PAINT. Registered July 23, 1907. JOHN LUCAS & Co. Renewed July 23, 1927, to John Lucas & Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

64,068. CANNED FISH. Registered July 23, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Renewed July 23, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee.

64,081. CERTAIN FOOTWEAR. Registered July 23, 1907. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 23, 1927.

64,088. BOOT AND SHOE BLACKING. Registered July 23, 1907. HERRIOTT BROS. & CO. Renewed July 23, 1927, to The Ollanshine Company, St. Louis, Mo., a Corporation of Missouri, successor.

64,250. HACK-SAW FRAMES. Registered July 30, 1907. THE WEST HAVEN MFG. CO., West Haven, Conn. Renewed July 30, 1927, to Millers Falls Company, Millers Falls, Mass., and New York, N. Y., a Corporation of Massachusetts, assignee.

64,378. RAZORS. Registered August 6, 1907. HEINR. BOKER & CO., Solingen, Germany. Renewed August 6, 1927.

64,523. SEWING AND CROCHET COTTON. Registered August 13, 1907. J. & P. COATS, LIMITED, Paisley, Scotland. Renewed August 13, 1927, to J. & P. Coats (R. I.), Inc., Pawtucket, R. I., a Corporation of Rhode Island, assignee.

64,629. LYE AND WASHING SODA. Registered August 13, 1907. THE CUDAHY PACKING CO., Chicago, Ill., and South Omaha, Nebr. Renewed August 13, 1927, to The Cudahy Packing Company, Chicago, Ill., a Corporation of Maine, assignee.

64,673. HOT-WATER BOILERS AND STEAM BOILERS. Registered August 20, 1907. THE WM. H. PAGE BOILER Co., Norwich, Conn., and New York, N. Y., a Corporation of Connecticut. Renewed August 20, 1927.

64,691. HOT-WATER BOILERS AND STEAM BOILERS. Registered August 20, 1907. THE WM. H. PAGE BOILER Co., Norwich, Conn., and New York, N. Y., a Corporation of Connecticut. Renewed August 20, 1927.

64,698. STOVES AND FURNACES. Registered August 20, 1907. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a Corporation of Ohio. Renewed August 20, 1927.

64,787. HOSIERY. Registered August 20, 1907. HOME HOSIERY CO., Philadelphia, Pa. Renewed August 20, 1927, William C. Gallagher, doing business as Home Hosiery Co., New York, N. Y., successor.

64,962. A LARD SUBSTITUTE. Registered September 3, 1907. THE CUDAHY PACKING COMPANY, Chicago, Ill., and Los Angeles, Calif. Renewed September 3, 1927, to The Cudahy Packing Company, Chicago, Ill., a Corporation of Maine, assignee.

64,996. BELTING AND HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

64,997. BELTING. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

64,998. BELTING. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

64,999. BELTING. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,003. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,004. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,005. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,006. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,007. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,008. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,009. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,010. HOSE. Registered September 3, 1907. THE B. F. GOODRICH COMPANY. Renewed September 3, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,099. SEWING COTTON ON SPOOLS OR REELS. Registered September 10, 1907. J. & P. COATS, LIMITED, Paisley, Scotland. Renewed September 10, 1927, to J. & P. Coats (R. I.), Inc., Pawtucket, R. I., a Corporation of Rhode Island, assignee.

65,292. CERTAIN RUBBER GOODS. Registered September 17, 1907. THE DIAMOND RUBBER CO. Renewed September 17, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,341. GASKETS, OIL-WELL PACKING, RUBBER TUBING, RUBBER HOSE, BELTING, AND PACKING. Registered September 17, 1907. THE DIAMOND RUBBER CO. Renewed September 17, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,342. PENCIL SHARPENERS. Registered September 17, 1907. EAGLE PENCIL COMPANY. Renewed September 17, 1927, to Eagle Pencil Company, New York, N. Y., a Corporation of Delaware, assignee.

65,410. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,411. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,412. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,413. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,414. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,415. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,416. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,417. CERTAIN HOSE. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,419. CERTAIN MACHINERY PACKING. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,420. CERTAIN MACHINERY PACKING. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,421. CERTAIN MACHINERY PACKING. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,422. CERTAIN PNEUMATIC TIRES. Registered September 24, 1907. THE B. F. GOODRICH COMPANY. Renewed September 24, 1927, to The B. F. Goodrich Company, Akron, Ohio, a Corporation of New York, assignee.

65,534. MACARONI AND VERMICELLI. Registered October 8, 1907. LIBERTY MACCHERONI MFG. CO. Renewed October 8, 1927, to Liberty Macaroni Mfg. Co., Buffalo, N. Y., assignee.

65,628. CERTAIN MEDICINES. Registered October 15, 1907. FREDERICK STEARNS & COMPANY, Detroit, Mich., a Corporation of Michigan. Renewed October 15, 1927.

65,632. CERTAIN MEDICINES. Registered October 15, 1907. JOHN E. HASSON, Bath, N. Y. Renewed October 15, 1927.

65,634. CERTAIN LIQUID MEDICINE. Registered October 15, 1907. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed October 15, 1927.

65,724. SUGAR GRANULATORS, CUBE MACHINES, DRIERS, PUMPS, AND PRESSES. Registered October 22, 1907. HERSEY MANUFACTURING COMPANY, Portland, Me., and Boston, Mass. Renewed October 22, 1927, to Hersey Manufacturing Company, South Boston, Mass., a Corporation of Massachusetts, assignee.

65,763. REFRIGERATORS AND ICE BOXES. Registered October 22, 1907. THE BALDWIN REFRIGERATOR Co., Burlington, Vt., a Corporation of Vermont. Renewed October 22, 1927.

65,764. REFRIGERATORS. Registered October 22, 1907. THE BALDWIN REFRIGERATOR Co., Burlington, Vt., a Corporation of Vermont. Renewed October 22, 1927.

65,765. REFRIGERATORS AND ICE BOXES. Registered October 22, 1907. THE BALDWIN REFRIGERATOR Co., Burlington, Vt., a Corporation of Vermont. Renewed October 22, 1927.

65,805. BACON, HAM, SAUSAGE, AND LARD. Registered October 22, 1907. JACOB DOLD PACKING Co., Buffalo, N. Y., a Corporation of New York. Renewed October 22, 1927.

65,858. REMEDY FOR INEBRIETY. Registered October 29, 1907. THE PHYSICIANS COOPERATIVE ASSOCIATION, Chicago, Ill., an Association of Illinois. Renewed October 29, 1927.

65,911. CERTAIN PAINTS AND PAINTERS' MATERIALS. Registered October 29, 1907. PENINSULAR PAINT AND VARNISH COMPANY, LTD. Renewed October 29, 1927, to Peninsular Paint and Varnish Company, Detroit, Mich., a Corporation of Michigan, assignee.

66,022. KITCHEN CABINETS. Registered November 5, 1907. THE HOOSIER MANUFACTURING COMPANY, Newcastle, Ind., a Corporation of Indiana. Renewed November 5, 1927.

66,038. DRIED FRUITS, OLIVES, CANNED FRUITS AND VEGETABLES. Registered November 5, 1907. THE C. S. MOREY MERCANTILE COMPANY. Renewed November 5, 1927, to The Morey Mercantile Company, Denver, Colo., a Corporation of Colorado, successor.

66,102. A PREPARATION OF BISMUTH. Registered November 12, 1907. H. K. MULFORD COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed November 12, 1927.

66,108. CERTAIN MEDICINE. Registered November 12, 1907. JOHN RUTGERT PLANTEN. Renewed November 12, 1927, to H. Planten & Son, Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

66,155. CERTAIN CLOTHING. Registered November 12, 1907. L. GREIF & BRO. Renewed November 12, 1927, to L. Greif & Bro. Inc., Baltimore, Md., a Corporation of Maryland, assignee.

66,165. COFFEE. Registered November 12, 1907. THE C. S. MOREY MERCANTILE COMPANY. Renewed November 12, 1927, to The Morey Mercantile Company, Denver, Colo., a Corporation of Colorado, successor.

66,212. CAUSTIC SODA. Registered November 19, 1907. CHANCE & HUNT, LIMITED, Oldbury, England, a Corporation of Great Britain. Renewed November 19, 1927.

66,244. WRINGERS AND PARTS THEREOF. Registered November 19, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 19, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,245. CLOTHES WRINGERS. Registered November 19, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y. Renewed November 19, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,249. RUBBER ERASERS. Registered November 19, 1907. EBERHARD FABER, New York, N. Y. Renewed November 19, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,255. ICE-CREAM FREEZERS. Registered November 19, 1907. RICHMOND CEDAR WORKS, Richmond, Va., a Corporation of Virginia. Renewed November 19, 1927.

66,265. CERTAIN MEDICINE. Registered November 19, 1907. WILLIAM D. DUNCAN, Ottawa, Ill. Renewed November 19, 1927.

66,280. SEWING MACHINES AND PARTS. Registered November 19, 1907. WHITE SEWING MACHINE Co. Renewed November 19, 1927, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware, assignee.

66,295. MACARONI. Registered November 19, 1907. GASPARE G. GRECO, New Orleans, La. Renewed November 19, 1927, to Gaspare G. Greco, San Jose, Calif.

66,311. COCOA, CHOCOLATE, AND CANDY. Registered November 19, 1907. STOLLWERCK BROS., New York, N. Y. Renewed November 19, 1927, to The Stollwerck Chocolate Company, Stamford, Conn., a Corporation of Massachusetts, assignee by mesne assignments.

66,312. LARD COMPOUND. Registered November 19, 1907. T. M. SINCLAIR & CO., LTD., Cedar Rapids, Iowa, a Corporation of Iowa. Renewed November 19, 1927.

66,317. WHEAT FLOUR. Registered November 19, 1907. WHALEY MILL & ELEVATOR CO., Gainesville, Tex., a Corporation of Texas. Renewed November 19, 1927.

66,340. HOSIERY. Registered November 19, 1907. PARAMOUNT KNITTING COMPANY. Renewed November 19, 1927, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,341. HOSIERY. Registered November 19, 1907. PARAMOUNT KNITTING COMPANY. Renewed November 19, 1927, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,358. LEAD PENCILS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,359. LEAD PENCILS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,360. LEAD PENCILS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,361. LEAD PENCILS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,362. LEAD PENCILS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,363. LEAD PENCILS AND RUBBER ERASERS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,364. RUBBER ERASERS. Registered November 26, 1907. EBERHARD FABER, New York, N. Y. Renewed November 26, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,365. AN UNGUENT OR SALVE. Registered November 26, 1907. THE FREDERICK LABORATORY, Toledo, Ohio. Renewed November 26, 1927.

66,382. SPOOL COTTON OR SEWING THREAD. Registered November 26, 1907. BLODGETT & ORSWELL CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed November 26, 1927.

62,383. SPOOL COTTON OR SEWING THREAD. Registered November 26, 1907. BLODGETT & ORSWELL CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed November 26, 1927.

66,386. WHEAT FLOUR. Registered November 26, 1907. COLUMBIA MILL & ELEVATOR COMPANY, Columbia, Tenn., a Corporation of Tennessee. Renewed November 26, 1927.

66,404. SPOOL COTTON OR SEWING THREAD. Registered November 26, 1907. BLODGETT & ORSWELL CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed November 26, 1927.

66,417. CLOTHES WRINGERS. Registered November 26, 1907. THE AMERICAN WRINGER COMPANY, New York, N. Y., and Providence, R. I. Renewed November 26, 1927, to American Wringer Company, Inc., Woonsocket, R. I., a Corporation of Rhode Island, assignee.

66,430. DYED COTTON PIECE GOODS. Registered November 26, 1907. WM. SIMPSON, SONS & CO., Philadelphia, Pa.; New York, N. Y.; Baltimore, Md.; Chicago, Ill.; and St. Louis, Mo. Renewed November 26, 1927, to Wm. Simpson, Sons & Co., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

LABELS

REGISTERED JULY 5, 1927.

32,369.—*Title:* CHUCKLES. For Candy. FRED W. AMEND Co., Chicago, Ill. Published April 4, 1927.

32,370.—*Title:* SCHOOL CHEWS. For Candy. PAUL F. BEICH COMPANY, Bloomington and Chicago, Ill. Published March 28, 1927.

32,371.—*Title:* CREAMERY BUTTER. For Butter. THE BUTLER PAPER PRODUCTS Co., Toledo, Ohio. Published January 24, 1927.

32,372.—*Title:* CALSHER. For California Sherry Wine Seasoning. CALIFORNIA WINE GRAPE PRODUCTS, INC., San Francisco, Calif. Published February 11, 1927.

32,373.—*Title:* KILRUST. For Compound for Removing and Resisting Rust. CARLETON DEDDERA, Winter Haven, Fla. Published April 26, 1927.

32,374.—*Title:* FECKER'S. For Malt Extract for Food and Beverage Purposes. FECKER COMPANY, Danville, Ill. Published January 2, 1020.

32,375.—*Title:* CINCINNATUS. For Fresh Tomatoes. FLATOW, RILEY AND COMPANY, Cincinnati, Ohio. Published May 15, 1927.

32,376.—*Title:* FRANKLIN PROCESS DYED. For Textile Fabrics. FRANKLIN PROCESS COMPANY, Providence, R. I. Published March 30, 1927.

32,377.—*Title:* GOLDEN WEST. For Oranges. GEORGE H. GOSBURGER, doing business as California Citrus Cash Cooperative, Riverside, Calif. Published May 2, 1927.

32,378.—*Title:* SALLY SAWYER'S SCRAP BOOK. For Materials for Making Scrapbooks. ETHEL L. HECKMAN, Providence, R. I. Published May 4, 1926.

32,379.—*Title:* BLUE MOUND. For Canned Pineapple. KURTH BROTHERS COMPANY, Milwaukee, Wis. Published April 1, 1927.

32,380.—*Title:* LACTOSAN. For Insecticide. LACTEIN Co., San Francisco, Calif. Published April 27, 1927.

32,381.—*Title:* ARISTOCRATIC. For Olive Oil. LEKAS AND DRIVAS, New York, N. Y. Published May 2, 1927.

32,382.—*Title:* LITTLE'S FAMOUS PRIDE OF THE NATION. For Coffee. MILDRED A. LITTLE, Brooklyn, N. Y. Published December 13, 1926.

32,383.—*Title:* PINEAPPLE BRAND. For Pineapple Sirup. SIMMIE LOUIS MOORE, doing business as Pineapple Syrup Co., St. Louis, Mo. Published February 14, 1927.

32,384.—*Title:* DAINTY MAID. For Flavored Fruit Pectin Mixture for Making Jelly and a Fruit Pectin Mixture with Sliced Peel Added for Making Jelly or Marmalade. MURRAY CALIFORNIA FOOD PRODUCTS, INC., Azusa, Calif. Published March 11, 1927.

32,385.—*Title:* NEWHALL. For Fresh Oranges. GEO. A. NEWHALL, trustee for the estate of Walter S. Newhall, deceased, San Francisco and Duarte, Calif. Published March 30, 1927.

32,386.—*Title:* OAKBROOK. For Hosiery. OAKBROOK HOSIERY MILLS, INC., Reading, Pa. Published April 1, 1927.

32,387.—*Title:* RUST-OUT. For a Preparation for Cleaning Motor Blocks and Radiators of Automobiles. ARTHUR E. OLDHAM, Johnstown, Pa. Published April 16, 1927.

32,388.—*Title:* PUEBLO. For Oranges. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Published May 2, 1927.

32,389.—*Title:* APACHE. For Oranges. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Published May 2, 1927.

32,390.—*Title:* PARROT. For Oranges. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Published May 2, 1927.

32,391.—*Title:* HAWK. For Oranges. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Published May 2, 1927.

32,392.—*Title:* FOOTHILL. For Oranges. REDLANDS FOOTHILL GROVES INCORPORATED, Redlands, Calif. Published April 9, 1927.

32,393.—*Title:* PLANTATION PRIDE. For Table Sirup. ROBINSON SYRUP COMPANY, Cairo, Ga. Published April 25, 1927.

32,394.—*Title:* DUROGLOSS. For Polishes and Cleansers. THE SATINLAC CO., INC., Brooklyn, N. Y. Published April 23, 1927.

32,395.—*Title:* SHAKE-WELL. For Automobile Cleaner. SHAKE-WELL PRODUCTS CO., Los Angeles, Calif. Published March 2, 1927.

32,396.—*Title:* GOLDEN BOWL. For Lemons. TEAGUE-MCKEVETT COMPANY, Santa Paula, Calif. Published April 2, 1927.

32,397.—*Title:* YOUR CHOICE BRAND. For Soap. UNITED PRODUCTS CO., St. Louis, Mo. Published May 16, 1927.

32,398.—*Title:* SILVER GIN FIZZ. For a Carbonated Drink. NORBERT RICHARD WEGEMER, doing business as Silver Leaf Beverage Co., Detroit, Mich. Published June 12, 1926.

32,399.—*Title:* CALIPTUS. For a Germicidal Hygienic Bath and Toilet Soap Combined with Eucalyptus Oil. F. H. WELLING, San Francisco, Calif. Published April 7, 1927.

32,400.—*Title:* CUBAN GEMS. For Pineapple. WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Published December 30, 1926.

32,401.—*Title:* SENORITA. For Fresh Pineapple. WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill. Published May 2, 1927.

32,402.—*Title:* ALL IN ONE. For Furniture Polish. WICKESSER & SONS, Ozone Park, N. Y. Published March 9, 1927.

32,403.—*Title:* NESQUIN. For Canned Pears. THE WILCOX-HAYES Co. Portland, Oreg. Published October 15, 1926.

32,404.—*Title:* RAIN PROOF GENUINE KRAFT RAISIN TRAY PAPER. For Paper Linings for Raisin Trays. ZELLERBACH PAPER CO., San Francisco, Calif. Published May 12, 1927.

PRINTS

REGISTERED JULY 5, 1927.

10,010.—*Title:* FILM OIL. For Lubricating Oils. WILLIAM ABBOTT, Portland, Oreg. Published March 17, 1926.

10,011.—*Title:* WHAT MAKES ONE CATALOG MORE SUCCESSFUL THAN ANOTHER. For Business Papers. AMERICAN WRITING PAPER CO., INC., Holyoke, Mass. Published March 26, 1927.

10,012.—*Title:* HOW ARE YOU GOING TO REACH YOUR PARTIALLY DEVELOPED OR UNDEVELOPED MARKETS? For Eagle-A Business Papers. AMERICAN WRITING PAPER CO., INC., Holyoke, Mass. Published February 26, 1927.

10,013.—*Title:* ONE OF THE WORLD'S GREATEST NEWSPAPERS USING RAG PAPER FOR PERMANENCE. For Eagle-A Business Papers. AMERICAN WRITING PAPER CO., INC., Holyoke, Mass. Published April 23, 1927.

10,014.—*Title:* THERE'S SUCH A THING AS SINCERE UNDERWEAR. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 24, 1927.

10,015.—*Title:* THE MAINROAD TO COMFORT. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 27, 1927.

10,016.—*Title:* PIANO STYLE SHEET. For Pianos. THE CABLE COMPANY, Chicago, Ill. Published April 21, 1927.

10,017.—*Title:* YOUR SHOES DENOTE YOUR CHARACTER. For Shoes. COMMON SENSE NOVELTY CO., Chicago, Ill. Published March 15, 1927.

10,018.—*Title:* THIS BOY CAN KNOCK IT OUT OF THE LOT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 2, 1927.

10,019.—*Title:* SHE RUNS AS FAST AS ANY BOY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 30, 1927.

10,020.—*Title:* TRY THIS SIMPLE TEST FOR MOISTURE-PROOFING. For Talcum Powders for Nursery and Toilet Use. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Published April 18, 1927.

10,021.—*Title:* ALL MUSIC IS BUILT AROUND THE PIANO—TEACH YOUR CHILD TO PLAY IT. For Pianos. W. H. DOYLE, New York, N. Y. Published May 28, 1927.

10,022.—*Title:* PRINCESS MARY, BEAUTY AND CHARM. For Toilet articles. FRENCH BEAUTY PRODUCTS CO., INC., New York, N. Y. Published May 20, 1927.

10,023.—*Title:* PRINCESS MARY MAKE-UP. For Toilet Articles. FRENCH BEAUTY PRODUCTS CO., INC., New York, N. Y. Published May 20, 1927.

10,024.—*Title:* PRINCESS MARY, GUIDE TO FACIAL LOVELINESS AND PERSONAL GROOMING. For Toilet Articles. FRENCH BEAUTY PRODUCTS CO., INC., New York, N. Y. Published May 20, 1927.

10,025.—*Title:* C. C. & B. M. A. For Printed or Ruled Office Stationery. B. M. GORDON, Schenectady, N. Y. Published June 1, 1927.

10,026.—*Title:* FOR YOUR OWN SAFETY AS WELL AS THE PUBLIC—ILCO-RYAN-LITES. For Automobile Lamps. INDIANA LAMP CORPORATION, Connersville, Ind. Published May 28, 1927.

10,027.—*Title:* A NEW MARSHAK PRODUCT. For a Sirup Consisting of Cocoa, Sugar, and Malt. MARSHAK MALTMOLAK CO. INC., Brooklyn, N. Y. Published May 20, 1927.

10,028.—*Title:* FOR SAFETY THE VAULT O. B. McCLINTOCK CO. VENTILATOR. For Vault Ventilators. O. B. MCCLINTOCK COMPANY, Minneapolis, Minn. Published May 3, 1927.

10,029.—*Title:* H. P. NIELSEN SONS. For Jewelry, Optical Goods, Glass and China Ware, and Gifts. H. P. NIELSEN SONS, Lorain, Ohio. Published April 4, 1927.

10,030.—*Title:* PAINT FOR BEAUTY WITH THIS WHITE WHITE PAINT. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published May 28, 1927.

10,031.—*Title:* PAINT FOR BEAUTY WITH THIS WHITE WHITE PAINT. For Paint. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Published June 1, 1927.

10,032.—*Title:* KNICKERBOCKER RUPPINER. For a Beverage. JACOB RUPPERT, New York, N. Y. Published April 23, 1927.

10,033.—*Title:* CHIGGER-CHOKE. For Chigger Control in Powder Form. VICTOR H. SCHOFFELMAYER, doing business as Chigger-Choke Company, Dallas, Tex. Published April 18, 1927.

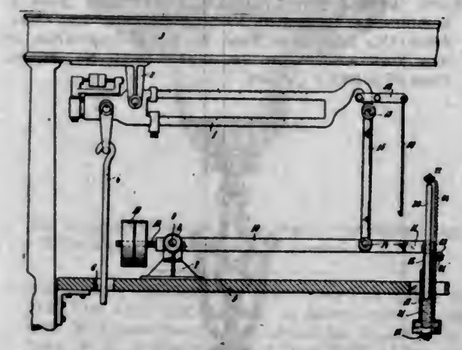
10,034.—*Title:* FLIT KILLS MOTHS—AGAIN FLIT WILL LEAD. For Insecticide. STANCO DISTRIBUTORS, INCORPORATED, Wilmington, Del. Published April 1, 1927.

10,035.—*Title:* KILL INSECT PESTS—SPRAY. For Insecticide. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published April 27, 1927.

REISSUES

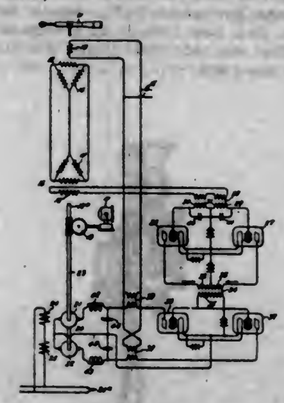
JULY 5, 1927.

16,666. AUTOMATIC WEIGHER. FRANK HEDDEN, Passaic, N. J., assignor to Merrick Scale Mfg. Company, Passaic, N. J., a Corporation of New Jersey. Filed Apr. 3, 1926. Serial No. 99,655. Original No. 1,490,270, dated Apr. 15, 1924, Serial No. 166,804, filed May 7, 1917. 26 Claims. (Cl. 265—9.)



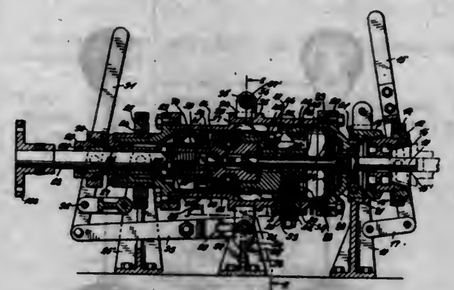
1. In a measuring mechanism, the combination of adjustable means for determining the measurement, driven means for operating said adjustable means, a drive disc having a friction drive surface, a member pivoted adjacent the said friction surface, for controlling the said driven means, an idler wheel on the said pivoted member having a frictional engagement with the said rotary disc and controlling means for changing the position of the said idler so as to cause it to travel spirally on the face of the disc and thereby oscillate the pivoted member for controlling the said driven means.

16,667. MEANS FOR REPRODUCING POSITION. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed May 10, 1927. Serial No. 190,355. Original No. 1,547,392, dated July 28, 1925, Serial No. 655,359, filed Aug. 2, 1923. 13 Claims. (Cl. 172—239.)



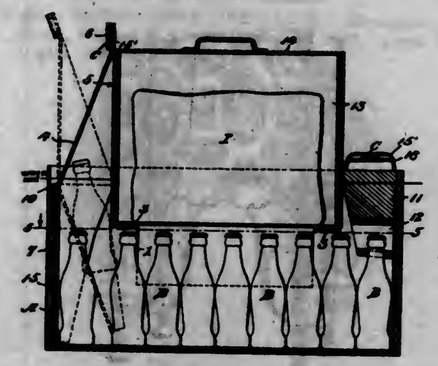
3. Means for reproducing position comprising in combination with a controlling object and a driven object remote from said controlling object, a driving motor for said driven object, means for producing an alternating magnetic field rotating in accordance with the movements of said controlling object, a coil inductively associated with said field in which an electromotive force is induced by said field, control means responsive to said electromotive force for starting said motor upon angular movement of said controlling object, and means for changing the angular relation of said field and said coil in accordance with the movements of said driven object whereby said voltage is varied to stop said motor when said driven object is moved into positional agreement with the controlling object.

16,668. REVERSING OIL CLUTCH. JOHN A. MALM, Denver, Colo. Filed Nov. 17, 1926. Serial No. 148,965. Original application filed May 31, 1921, Serial No. 474,008. Renewed Apr. 18, 1924. Original No. 1,525,038, dated Feb. 3, 1925. 26 Claims. (Cl. 74—14.)



1. In a hydraulic transmission, a rotary casing, a pair of shafts extending into said casing, a cam member reciprocable upon one shaft, a cam member nonrotatably mounted on the other shaft, each cam member having a cam groove therein, one of said grooves having more nodes than the other, rollers carried by said reciprocating cam member and extending into said groove in the other cam member and other rollers adapted to be fixedly positioned and extending into the groove of the other cam member.

16,669. COOLER FOR BOTTLED GOODS. SAMUEL KAYE, Columbus, Miss., assignor, by mesne assignments, to Chester A. Frick, Muncie, Ind. Filed May 24, 1926. Serial No. 111,175. Original No. 1,566,099, dated Dec. 15, 1925, Serial No. 563,527, filed May 25, 1922. 13 Claims. (Cl. 211—8.)

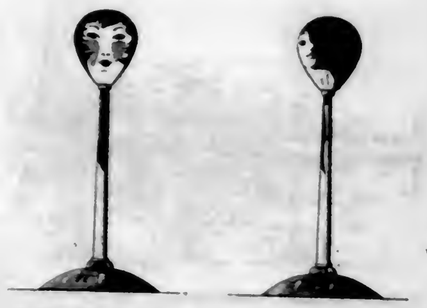


1. A cooler for bottled goods including a channel member for containing a row of articles side by side in contact therein, and a movable filling chute associated with said member for receiving articles and normally directing them into the channel, said chute being mounted to be moved out of normal position for engagement with an article in the channel to move the articles therein forward.

DESIGNS

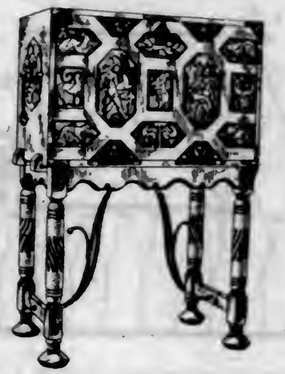
JULY 5, 1927.

72,974. HAT TREE. ARTHUR F. ALLEN, Alameda, Calif. Filed Mar. 9, 1927. Serial No. 21,073. Term of patent 14 years.



The ornamental design for a hat tree, substantially as shown.

72,975. SECRETARY. OSCAR B. BACH, New York, N. Y. Filed Apr. 5, 1927. Serial No. 21,460. Term of patent 3½ years.



The ornamental design for a secretary, as shown.

72,976. FINIAL FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,584. Term of patent 3½ years.



The ornamental design for a finial for lighting fixtures, as shown.

72,977. FINIAL FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,585. Term of patent 3½ years.



The ornamental design for a finial for lighting fixtures, as shown.

72,978. CANOPY FOR ELECTRIC-LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,588. Term of patent 3½ years.



The ornamental design for a canopy for electric lighting fixtures or similar articles, as shown.

72,979. BODY FRAME FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,589. Term of patent 3½ years.



The ornamental design for a body frame for lighting fixtures or similar articles, as shown.

72,980. STRAP LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1927. Serial No. 21,590. Term of patent 3½ years.



The ornamental design for a strap for lighting fixtures or similar articles, as shown.

72,981. MOTOR HEAT INDICATOR. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 25, 1927. Serial No. 21,336. Term of patent 14 years.



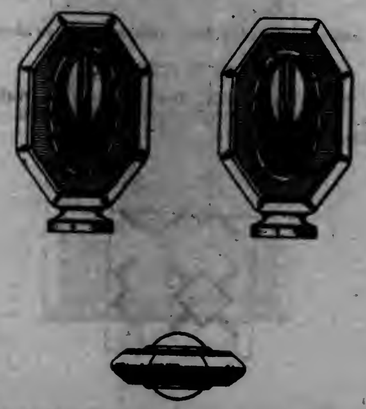
The ornamental design for a motor heat indicator, substantially as shown.

72,982. MOTOR HEAT INDICATOR. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 25, 1927. Serial No. 21,337. Term of patent 14 years.



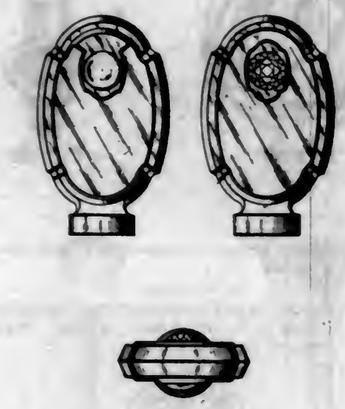
The ornamental design for a motor heat indicator, substantially as shown.

72,983. MOTOR HEAT INDICATOR. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 25, 1927. Serial No. 21,341. Term of patent 14 years.



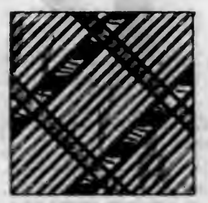
The ornamental design for a motor heat indicator, substantially as shown.

72,984. MOTOR HEAT INDICATOR. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 25, 1927. Serial No. 21,342. Term of patent 14 years.



The ornamental design for a motor heat indicator, substantially as shown.

72,985. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed May 10, 1927. Serial No. 21,905. Term of patent 3½ years.



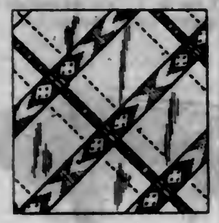
The ornamental design for a textile fabric as shown.

72,986. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed May 10, 1927. Serial No. 21,910. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

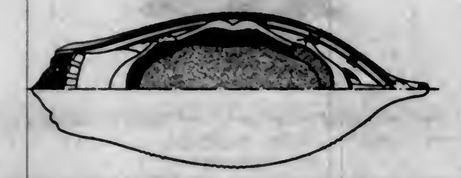
72,987. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed May 10, 1927. Serial No. 21,011. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

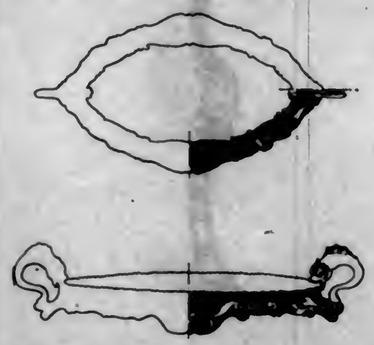
72,988. TABLE ORNAMENT OR ANALOGOUS ARTICLE. PAUL CRICCHIO, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc., a Corporation of New York. Filed May 16, 1927. Serial No. 21,998. Term of patent 3½ years.





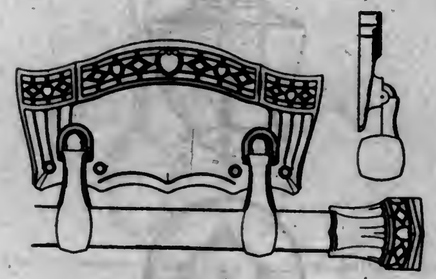
The ornamental design for a table ornament or analogous article substantially as shown and described.

72,989. TRAY OR ANALOGOUS ARTICLE. PAUL CRICCHIO, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc., a Corporation of New York. Filed May 16, 1927. Serial No. 21,999. Term of patent 3½ years.



The ornamental design for a tray or analogous article substantially as shown and described.

72,990. BURIAL-CASKET HANDLE. MICHAEL F. DAVORAN, Cincinnati, Ohio, assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 14, 1927. Serial No. 20,761. Term of patent 7 years.



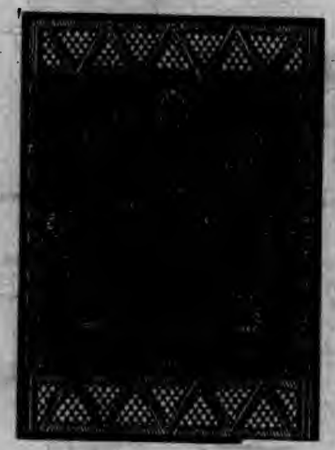
The ornamental design for a burial casket handle, substantially as shown and described.

72,991. TOY DOG. PHILIP DE LEMME, New York, N. Y. Filed Jan. 31, 1927. Serial No. 20,567. Term of patent 3½ years.



The ornamental design for a toy dog as shown.

72,992. PILLOW TOP. JOSEPH DERK, Philadelphia, Pa., assignor to The Derk Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1927. Serial No. 21,695. Term of patent 3½ years.



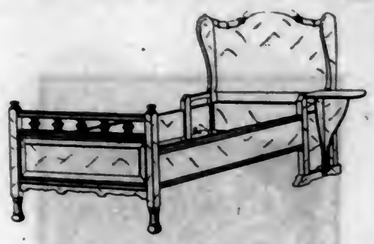
The ornamental design for a pillow top, as shown.

72,993. TABLE SCARF. JOSEPH H. DERK, Philadelphia, Pa., assignor to The Derk Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1927. Serial No. 21,696. Term of patent 3½ years.



The ornamental design for a table scarf, as shown and described.

72,994. BEDSTEAD. RALPH C. ERSKINE, Stamford, Conn., assignor to Erskine-Danforth Corporation, a Corporation of New York. Filed Dec. 1, 1925. Serial No. 15,599. Term of patent 7 years.



The ornamental design for a bedstead as shown.

72,995. CHAIR. RALPH C. ERSKINE, Stamford, Conn., assignor to Erskine-Danforth Corporation, a Corporation of New York. Filed Dec. 2, 1925. Serial No. 15,618. Term of patent 7 years.



The ornamental design for a chair as shown.

72,996. LAMP. VERN R. GERSMEHL, Cheyenne, Wyo. Filed Sept. 17, 1925. Serial No. 14,802. Term of patent 7 years.



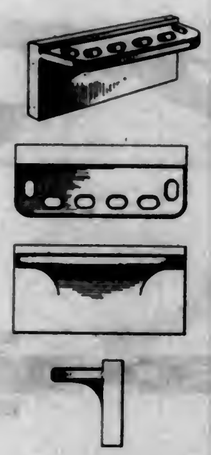
The ornamental design for a lamp substantially as shown.

72,997. ELECTRIC LAMP. MANUEL GORDON, Chicago, Ill. Filed Apr. 29, 1927. Serial No. 21,785. Term of patent 14 years.



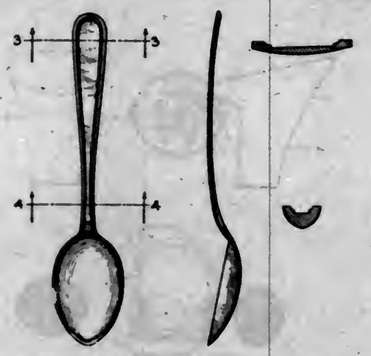
The ornamental design for an electric lamp, as shown.

72,998. TOOTHBRUSH HOLDER. ROY E. JORDAN, Newark, N. J., assignor to The Mosaic Tile Company, a Corporation of Ohio. Filed Mar. 4, 1924. Serial No. 8,817. Term of patent 14 years.



The ornamental design for a toothbrush holder, as shown.

72,999. SPOON OR SIMILAR ARTICLE. HENRY C. KIRK, Baltimore, Md., assignor to Samuel Kirk and Son, Incorporated, Baltimore, Md., a Corporation. Filed Jan. 20, 1927. Serial No. 20,486. Term of patent 14 years.



The ornamental design for a spoon or similar article.

73,000. WALL BRACKET. MAX KLEIN, Brooklyn, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 21,019. Term of patent 3½ years.



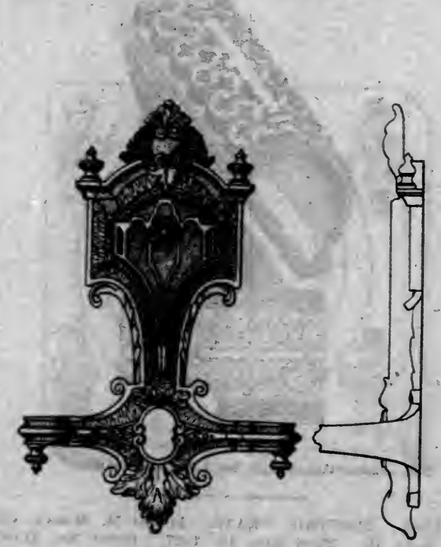
The ornamental design for a wall bracket as shown.

73,001. DRESS. RENÉ LEMOINE, Paris, France, assignor to David Crystal, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 8, 1927. Serial No. 21,510. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown.

73,002. LIGHTING FIXTURE. NORMAN LIPSKY, New York, N. Y., assignor to Golden Lighting Fixture Co., Inc., a Corporation of New York. Filed Apr. 29, 1927. Serial No. 21,795. Term of patent 3½ years.



The ornamental design for a lighting fixture substantially as shown.

73,003. CANDLESTICK. ERIK MAGNUSSEN, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I. Filed Mar. 21, 1927. Serial No. 21,242. Term of patent 14 years.



The ornamental design for a candlestick, as shown.

73,004. TIRE. HORACE MANN, Albuquerque, N. Mex. Filed Feb. 10, 1926. Serial No. 16,466. Term of patent 14 years.



The ornamental design for a tire as shown.

73,005. ELECTRIC GRATE. IRVING M. MARKS, Chicago, Ill. Filed Apr. 19, 1927. Serial No. 21,641. Term of patent 3½ years.



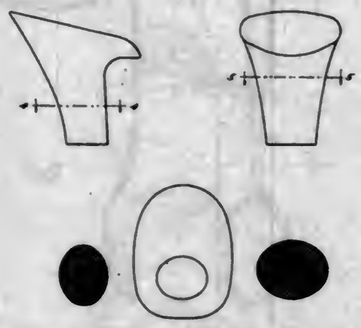
The ornamental design for an electric grate as shown.

73,006. ELECTRIC GRATE. IRVING M. MARKS, Chicago, Ill. Filed Apr. 19, 1927. Serial No. 21,642. Term of patent 3½ years.



The ornamental design for an electric grate as shown.

73,007. SHOE HEEL. WILLIAM H. NUTT, Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 3, 1926. Serial No. 16,755. Term of patent 14 years.



The ornamental design for a shoe heel, as shown.

73,008. COIN BANK. JOSEPH F. PUNZAK, Brooklyn, N. Y. Filed Aug. 5, 1926. Serial No. 18,593. Term of patent 14 years.



The ornamental design for a coin bank as shown.

73,009. BUCKLE. NEUTON D. RICHARDS, Los Angeles, Calif. Filed Apr. 8, 1925. Serial No. 13,065. Term of patent 3½ years.



The ornamental design for a buckle, as shown.

73,010. RING OR SIMILAR ARTICLE OF JEWELRY. GEORGE F. RIDER, Chicago, Ill. Filed Apr. 5, 1926. Serial No. 17,188. Term of patent 14 years.



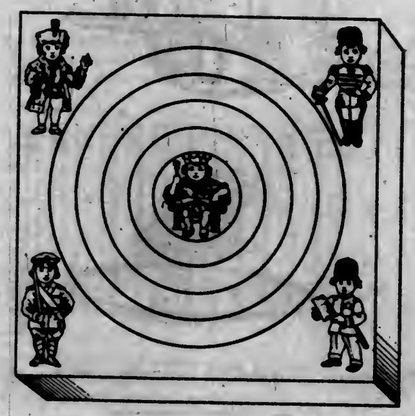
The ornamental design for a ring or similar article of jewelry, as shown.

73,011. DRESS. MARCEL ROCHAS, Paris, France, assignor to David Crystal, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 1, 1927. Serial No. 21,433. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown.

73,012. GAME BOARD. ISIDOR ROSEN, Brooklyn, N. Y. Filed Feb. 28, 1927. Serial No. 20,923. Term of patent 7 years.



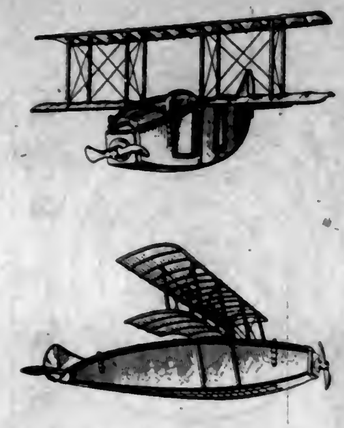
The ornamental design for a game board as shown.

73,013. DRESS. MAUDE SIEGEL, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 25, 1927. Serial No. 20,898. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown and described.

73,014. CAR FOR AEROPLANE SWINGS. HARRY G. TRAVER, Beaver Falls, Pa. Filed Apr. 21, 1925. Serial No. 13,179. Term of patent 14 years.



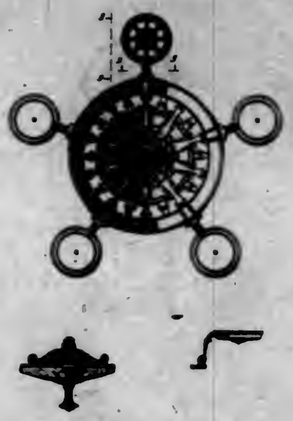
The ornamental design for a car for aeroplane swings, as shown.

73,015. BRACKET BACK FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 8, 1927. Serial No. 21,516. Term of patent 7 years.



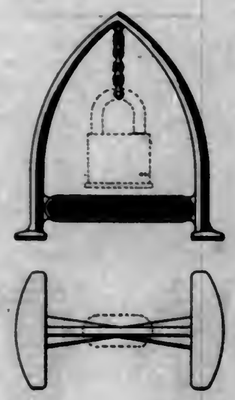
The ornamental design for a bracket back for lighting fixtures, as shown.

73,016. BASE FOR A CHANDELIER. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Owen Walsh M'f'g. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1927. Serial No. 21,539. Term of patent 3½ years.



The ornamental design for a base for a chandelier substantially as shown.

73,017. DISPLAY STAND. SOLOMON WISE, Cincinnati, Ohio. Filed Jan. 4, 1927. Serial No. 20,270. Term of patent 3½ years.

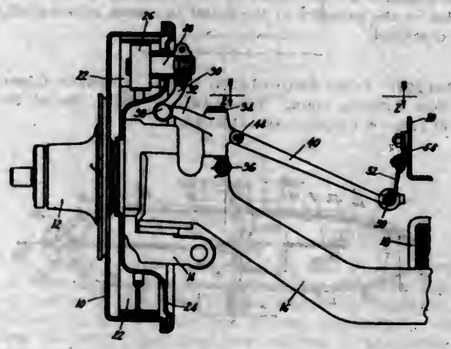


The ornamental design for a display stand substantially as shown.

PATENTS

GRANTED JULY 5, 1927.

1,634,250. BRAKE-OPERATING MECHANISM. WILLIAM J. ANDRES, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1926. Serial No. 85,951. 21 Claims. (Cl. 188—194.)



1. A vehicle having a chassis frame and a swivelled wheel with a brake, and comprising, in combination therewith, a brake-applying generally-horizontal lever supported at its outer end for up and down movement with the wheel and at its inner end supported on the chassis frame, and operating means for swinging the lever to apply the brake in a plane generally perpendicular to the swivelling axis of the wheel.

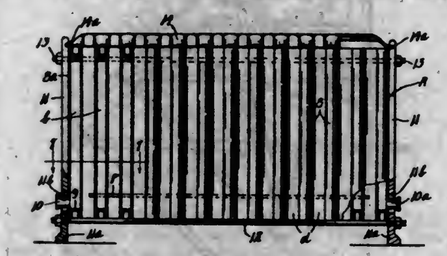
1,634,251. ORNAMENT. LOUIS V. ARONSON, Newark, N. J. Filed Sept. 18, 1924. Serial No. 738,897. 2 Claims. (Cl. 40—136.)



1. A wind-shield ornament comprising, in combination, an ornamental object in bas relief, a backing of resilient material adhesively secured thereto, the thus provided unit adapted to be secured to a wind-shield by a suitable adhesive.

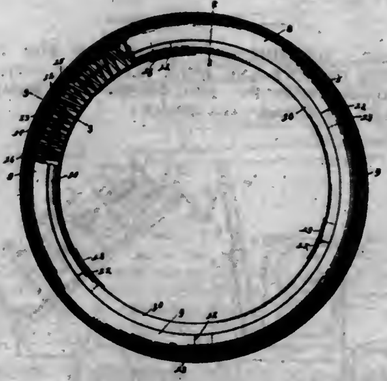
1,634,252. RADIATOR. CARL S. CARLBERG, Mound, Minn., assignor, by direct and mesne assignments, to Pressteel Radiator Company, a Corporation of Minnesota. Filed Aug. 31, 1925. Serial No. 53,462. 3 Claims. (Cl. 257—139.)

2. A radiator of the class described having two of its opposite sides provided with a plurality of vertically extending symmetrically arranged corrugations, an intake to said radiator and a horizontally extending baffle plate disposed above said intake and adapted to deflect the circulating fluid in its upward movement towards



said corrugations, said baffle plate traversing said passageways and having fingers traversing substantial portions of the interior of said corrugations.

1,634,253. VEHICLE TIRE. NICOLA COSTANZO, New York, N. Y. Filed Oct. 15, 1926. Serial No. 141,731. 2 Claims. (Cl. 152—8.)

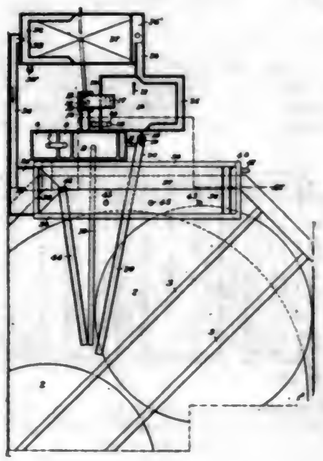


1. In a vehicle tire, the combination of a casing, an inner tube comprising inner and outer arcuate sections having their marginal edges disposed in overlapping relation, each section being divided into a plurality of parts having their abutting ends telescopically fitted together, a band extending across each jointure of the parts having its ends clinched through openings in each two adjacent parts of the sections, and a circumferentially extending coil spring disposed within said tube having its convolutions bearing against the inner and outer sections.

1,634,254. APPARATUS FOR GRADING SAND AND GRINDING GLASS. JAMES W. CRUIKSHANK, Pittsburgh, Pa., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 5, 1922. Serial No. 558,743. 13 Claims. (Cl. 51—264.)

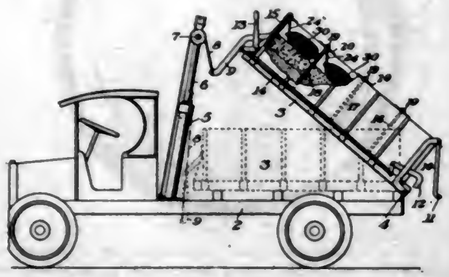
1. In a sand grading apparatus for plate glass grinding machines, the combination with the grinding machine, of means for receiving sand therefrom, means for re-

delivering the coarse portion of said sand to the grinding machine, other means for delivering the medium coarse and finer portions of said sand to a medium coarse sand box wherein a portion of the medium coarse sand is re-



tained, concentrating means for increasing the amount of medium coarse sand deposited in said box, and means for receiving sand from the concentrator and grading the same, substantially as described.

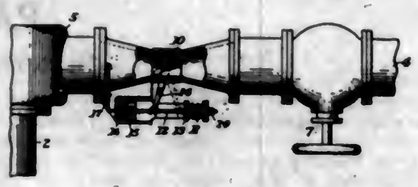
1,634,255. METHOD AND APPARATUS FOR HANDLING CEMENT AND BULK MATERIAL. WILFRED H. DRATH, Butler, Pa. Filed Oct. 20, 1923. Serial No. 669,867. 4 Claims. (Cl. 298—8.)



1. The method of handling and transporting material supplied in original packages and also bulk material, which comprises depositing the bulk material in a dumping carrier, placing an original container having its material therein above the bulk material and fastening the container to the carrier, moving the carrier to a dumping point, opening the container and dumping the contents of the original container together with the bulk material in the dumping carrier, substantially as described.

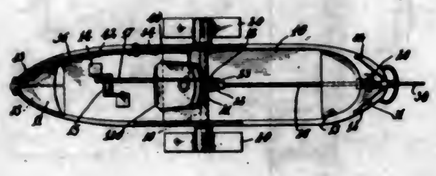
1,634,256. CONDENSER CONTROL. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 30, 1922. Serial No. 572,106. 11 Claims. (Cl. 261—69.)

1. In a condenser having an inlet pipe for supplying condensing water thereto, a valve in said pipe responsive to pressures at the outlet thereof for controlling the flow of water therethrough, and a piston subjected on one side to atmospheric pressure and on the other side to



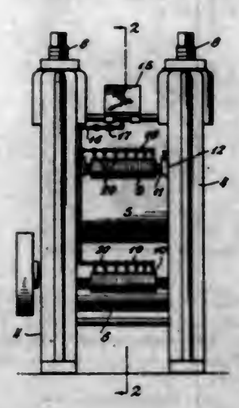
the pressure at the outlet of said valve for closing said valve as the pressure at the outlet increases, substantially as described.

1,634,257. FOOT-PROPELLED BOAT. CARMELO GARRO, New Britain, Conn. Filed Aug. 3, 1925. Serial No. 47,726. 4 Claims. (C. 115—25.)



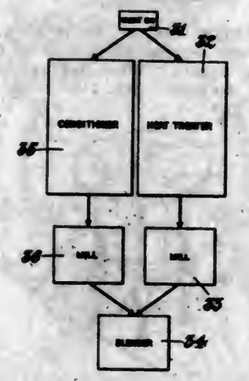
1. In a boat of the class described, in combination, a stabilizer mounted at the forward part of the boat and arranged to swing in a vertical direction, a pull-rod attached to said stabilizer, and means controlled by the seat for actuating the pull-rod to throw the stabilizer to operative position when the seat is vacated.

1,634,258. APPARATUS FOR ROLLING METAL. JAMES F. HALPIN, Derby, Conn., assignor to Seymour Mfg. Co., Seymour, Conn., a Corporation of Connecticut. Filed Mar. 8, 1926. Serial No. 92,994. 1 Claim. (Cl 29—17.)



In a metal rolling apparatus, a pair of working rolls between which is passed metal to be rolled, a laminated lubricating roll in constant engagement with each of the working rolls, a lubricant reservoir, a main supply pipe leading therefrom, branch pipes connected to the main pipe and suspended above said lubricating rolls, and means for regulating the supply of lubricant from said reservoir to the lubricating rolls.

1,634,259. HEAT TREATMENT OF WHEATEN CEREALS. ROBERT HUTCHINSON, Nottingham, England, assignor to Woodlands Limited, Dover, England, a British Company. Filed July 26, 1924, Serial No. 728,419, and in Great Britain July 30, 1923. 7 Claims. (Cl. 99—10.)



1. In the manufacture of wheaten flour the combination of steps consisting in so dry heating a wheaten cereal as to render substantially all the gluten non-retainable in a washing test as described without substantially affecting the starch particles, and blending a proportion of such cereal with a proportion of cereal not so treated.

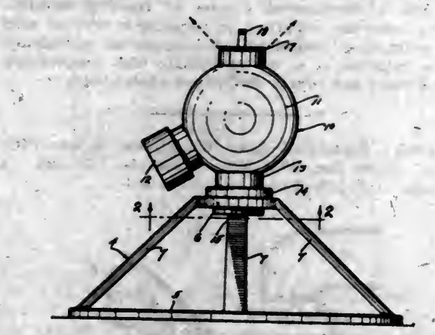
1,634,260. MOP. LANGDON C. KELLOGG, Westfield, Mass. Filed July 17, 1926. Serial No. 123,110. 2 Claims. (Cl. 15—229.)



1. In a mop construction, the combination with a handle member, a head pivotally attached thereto, the head portion comprising a pair of twisted wires between the turns of which the cleaning elements of the mop are secured said head being formed into a loop with the ends of the twisted wire spaced from each other an intermediate portion of the twisted wire being formed to provide a bearing for the handle and located directly opposite the spaced ends of the wires whereby the head may be rotated relative to the handle and through a complete circle.

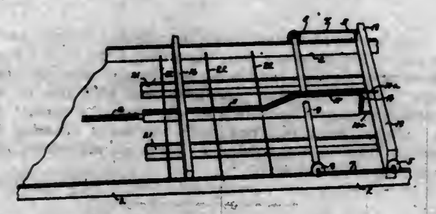
1,634,261. LAWN SPRINKLER. ULYSSES G. KNAUFF, Minneapolis, Minn., assignor to C. J. Knutson, Portland, Oreg. Filed Apr. 15, 1926. Serial No. 102,215. 1 Claim. (Cl. 299—76.)

A hollow sprinkler head having a depending socketed neck provided with an annular flange and circumferentially spaced outwardly extended lugs below said flange, said flange and lugs beng integrally formed with said neck, in combination with a supporting base having in its top an opening and notches extending into said opening and through which opening and notches said



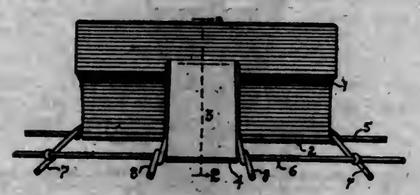
neck may be inserted and rotated to interlock the lugs with the under side of the supporting base and with the flange supported on the top of said base.

1,634,262. GROOVING AND REENFORCEMENT SUPPORTING DEVICE AND PROCESS. PETER J. MCINERNEY, Dallas, Tex. Filed Jan. 29, 1925. Serial No. 5,539. 5 Claims. (Cl. 94—45.)



3. In a grooving device for highways and the like, a blade adapted to cleave the said highway pavement or the like, before same has mechanically set, and means to support and aline reenforcement material below the cleavage plane as the latter is formed.

1,634,263. JOINT FORM. PETER J. MCINERNEY, Dallas, Tex. Filed June 9, 1925. Serial No. 35,860. 3 Claims. (Cl. 94—18.)

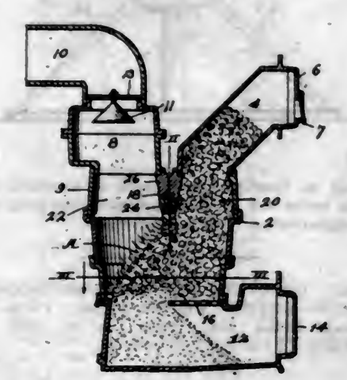


3. In a joint form for concrete or similar construction having mesh reinforcement, a rigid plate member having a plurality of planes or curves therein means to secure said member to the mesh reinforcement employed in said construction, and means forming a part of said plate member to rigidly secure said member in desired position with respect to the reinforcement mesh.

1,634,264. PROCESS FOR TREATING ASPHALTIC PAVING MATERIALS. PETER J. MCINERNEY, Dallas, Tex. Filed July 3, 1925. Serial No. 41,429. 4 Claims. (Cl. 94—23.)

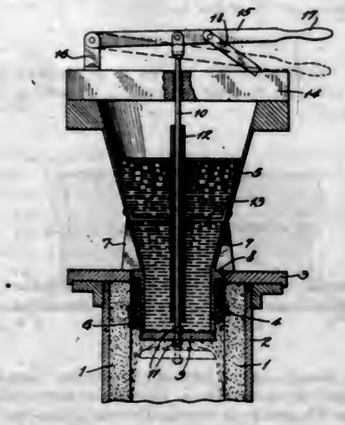
1. The hereindescribed process of treating asphaltic paving materials comprised in applying a filler of sand and water at a maintained low temperature to asphaltic paving material at a correspondingly high temperature, with a rapid and equally distributed application.

1,634,265. HEATER. LINN W. MILLIS, Kansas City, Mo. Filed Dec. 19, 1921. Serial No. 523,326. 1 Claim. (Cl. 126—73.)



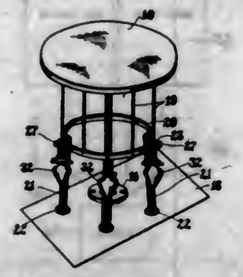
In a heater of the character described, a fire-pot having a top, a fire resistant wall depending from said top and dividing the upper portion of the fire-pot into two chambers, a fuel magazine communicating with one of said chambers, means for admitting air to said magazine, and a radiator communicating with the other chamber and spaced from said magazine to leave an air space above said fire resistant wall.

1,634,266. MOLD-FACING DEVICE. WILLIAM DAVIS MOORE, Birmingham, Ala., assignor to Sand Spun Patents Corporation, Wilmington, Del., a Corporation of Delaware. Filed Mar. 5, 1926. Serial No. 92,452. 13 Claims. (Cl. 22—88.)



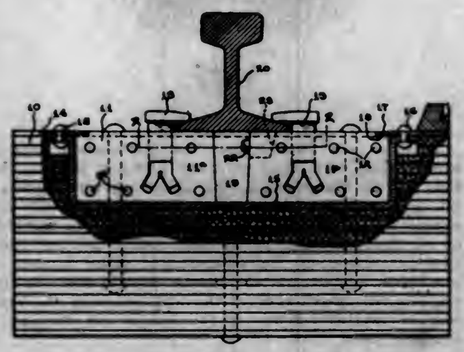
1. Apparatus for applying liquid facing to a refractory mold, having a bore of variable cross-section, including a container having an outlet and means to engage the mold to center the outlet with respect thereto, and a deflector for each portion of the mold of larger diameter so disposed with respect to the container and outlet that when the outlet is open the deflector will be adjacent said portion of larger diameter and in position to deflect the liquid flowing from said portion outwardly.

1,634,267. GRAVITY TABLE. LOUIS NAGY, Hamilton, Ontario, Canada, assignor of one-half to Laszlo Morton, Hamilton, Canada. Filed May 24, 1926. Serial No. 111,117. 4 Claims. (Cl. 114—195.)



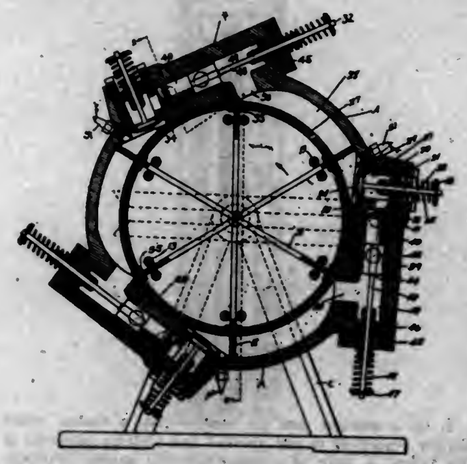
1. In a gravity table of the class described, a table top having attached thereto, a support provided with a recess located at the common center of the said support and the said table top, and adapted to receive a socket element, adapted to receive the ball element of a center leg provided with an enlarged lower extremity provided with a suitable means of attaching same to the floor of a ship or the like, so as to permit the said table top to be pivotally supported by the said center leg, said support having attached at its periphery a plurality of supporting rods, depending downward therefrom and attached to a supporting ring, coil springs attached to the said supporting ring, and to bases, adapted to be attached to the said floor, so as to permit the said coil springs to normally hold the said table top in a parallel position relative to the said floor.

1,634,268. ANCHOR BLOCK. GEORGE F. A. OCHS, Newark, N. J. Filed Oct. 5, 1926. Serial No. 139,647. 2 Claims. (Cl. 238—265.)



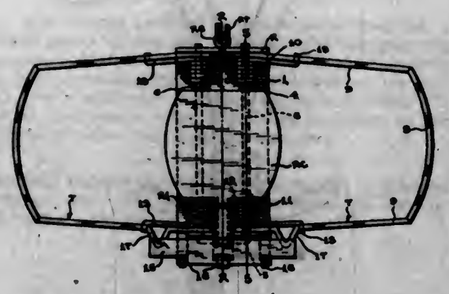
1. In combination with a tie, an anchor block consisting of complemental sections seated in a pocket formed in the upper face of the tie, the remote ends of said sections having an interlocking engagement with the tie, and a rail-retained locking member engaging said sections and consisting of a wedge-shaped member inserted between said sections, the latter on their adjacent ends being formed on converging lines corresponding to said wedge-shaped member.

1,634,269. ROTARY INTERNAL-COMBUSTION ENGINE. RICHARD L. PANNELL, Birmingham, Ala. Filed Apr. 13, 1922. Serial No. 552,883. 5 Claims. (Cl. 123—16.)



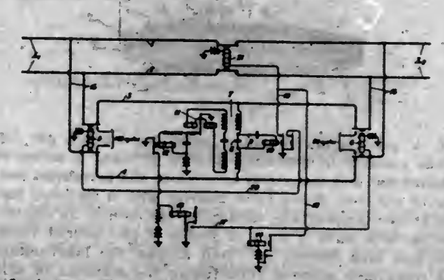
1. A rotary internal combustion engine comprising a housing, a rotor mounted rotatably in said housing, a plurality of interfitting blades extending diametrically of the said rotor and bearing at both ends against the inner walls of said housing, combustion chambers between the rotor and the walls of said housing, each chamber having an exhaust passage leading therefrom, means operable through the exhaust of gas from behind said blades in one chamber to discharge gas into the next succeeding one of said chambers, means to fire said gas, said discharge means including a piston in said passage adapted to be moved by said exhaust to compress a charge of gas in the manner described.

1,634,270. ANIMAL TRAP. GEORGE ALEXANDER SAMUCE, Brooklyn, N. Y. Filed Aug. 10, 1926. Serial No. 128,471. 10 Claims. (Cl. 43—88.)



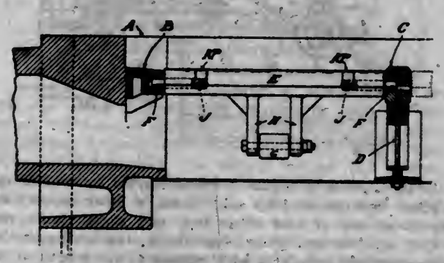
1. A trap comprising a base plate, cooperable jaws mounted on said base plate, said jaws having lateral projections, a holding plate pivotally mounted on the base plate to one side of the jaws, said holding plate having a portion engageable with the lateral projections to hold the jaws set, and a trip plate pivotally mounted on the base plate and located between the jaws, said trip plate having a lip engageable with the holding plate when the jaws are set.

1,634,271. COMPOSITE RINGER. SAMUEL P. SHACKLETON, Wyoming, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 26, 1925. Serial No. 52,656. 3 Claims. (Cl. 179—43.)



1. A transmission line comprising two line sections, two parallel circuits interconnecting said line sections, each of said parallel circuits being designed to normally afford a closed circuit connection between said line sections whereby the continuity of said line will not be disturbed when message currents are transmitted thereover, a repeating coil having its primary winding bridged across one of said parallel circuits, and a composite ringer having its ringing responsive branches selectively connected with each of the windings of said repeating coil.

1,634,272. SINTERING PAN AND GRATE THEREFOR. GEORGE L. SHOOK, Port Henry, N. Y. Filed Feb. 21, 1925. Serial No. 10,949. 2 Claims. (Cl. 64—41.)



1. In a grate bar, the combination of a revoluble body with a socket in each end thereof, side openings leading from points near the bottoms of said sockets to the front face of the bar and through which trunnion pins in place in the sockets may be manipulated so as to be moved outward as into their appointed bearings; trunnion pins slidable in said sockets, the length thereof substantially equal to the depth of the sockets; granular material, as for instance crushed cinders, inserted through said side openings after the trunnion pins have been moved outward; and means for retaining said granular material in place whereby return movement of the trunnion pins is prevented.

1,634,273. CONVEYER PAN. EDWIN E. SLICK, Pittsburgh, Pa. Filed July 24, 1926. Serial No. 124,644. 11 Claims. (Cl. 49—47.)



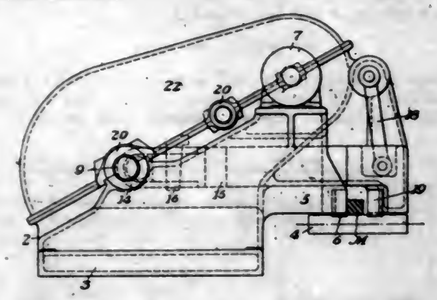
1. As an article of manufacture, a pan for lehr conveyers, comprising a supporting member having strengthening means effective throughout the major portion of the length thereof, and having reinforcing means secured thereto and spaced therefrom throughout a substantial portion of the length of the pan.

1,634,274. PROCESS OF MAKING OXYFUEL TORCH TIPS. ELMER H. SMITH, Minneapolis, Minn. Filed Mar. 18, 1926. Serial No. 95,605. 7 Claims. (Cl. 29—157.)



1. A process of making a one-piece oxyfuel gas tip which consists in providing a core, forming a series of longitudinal and transverse grooves in the peripheral surface of the core, filling these grooves with a material fusible at low temperature, immersing the core in an electroplating bath until a shell or jacket of the desired thickness has been formed over and around the longitudinal and transverse grooves, then fusing the material in said grooves, thereby forming a series of longitudinal and transverse gas ducts in the tip.

1,634,275. SHEAR. JOHN A. SMITMANS, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1926. Serial No. 81,201. 19 Claims. (Cl. 164—47.)



1. In a shear, a frame, a crank carried by said frame, a shear bar operated by said crank, a lever support for the outer end of said shear bar, and shear blades carried by said bar and frame respectively, and having cutting edges disposed angularly with respect to the length of the shear bar, substantially as described.

1,634,276. TAPPET FOR INTERNAL-COMBUSTION ENGINES. WILLIAM STEVENSON, Morristown, N. J. Filed June 7, 1924. Serial No. 718,433. 2 Claims. (Cl. 123—90.)



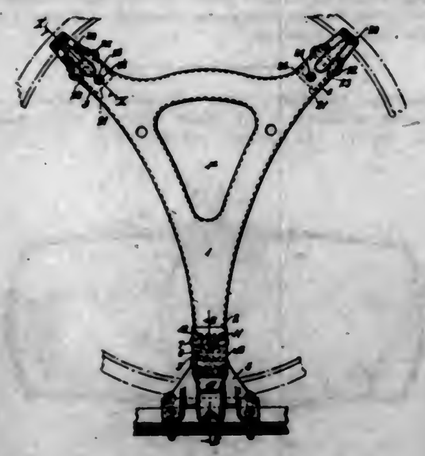
1. An engine tappet including a body member, a head member having a threaded connection with the body member, spring-including means, interposed between said members and acting lengthwise of the tappet, to releasably hold the head member against turning relatively to the body member, and a friction brake means interposed between said members.

1,634,277. WINDOW. HENRY WALTER SWITZER, Hamilton, Ontario, Canada, assignor to William H. Heimbach, Buffalo, N. Y. Filed Aug. 15, 1924, Serial No. 732,291, and in Canada Mar. 22, 1924. 7 Claims. (Cl. 20—49.)



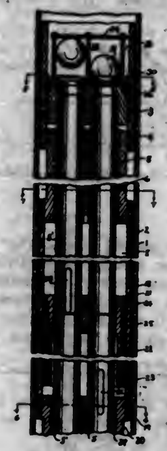
1. In a window and in combination a frame, stiles flexibly connected to one another and slidably mounted in the frame, a pair of counter-balanced sashes pivotally mounted on the stiles, buffers for regulating the pivotal travel of the sashes inwardly, grooves in the sashes and corresponding grooves in the frame and weather strips secured to the stiles and adapted to simultaneously engage with both grooves.

1,634,278. TIRE CARRIER. HARRY A. WEAVER, Indianapolis, Ind., assignor to Martin-Parry Corporation, York, Pa., a Corporation of Delaware. Filed June 24, 1925. Serial No. 39,339. 3 Claims. (Cl. 224—29.)



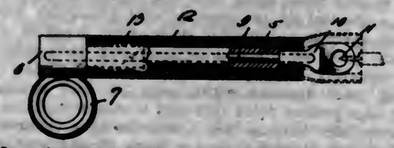
1. A tire carrier comprising a body, a pair of arms extending upwardly from the body, each arm being of channel shape in cross section, a rim seat flaring outwardly from each arm, an attached rim seat having a flaring upper portion and a channel shaped base fitted in each channeled arm, means for securing said rim seats in position, an arm extending downwardly from said body and of channel cross section, a bracket having a channel shaped extension fitting in said arm, means for uniting the bracket to the arm, a detachable rim clamp, and means for detachably securing said clamp to said arm.

1,634,279. MULTIPLE-STAGE PUMP. WILLIAM WERNER, Mexia, Tex. Filed Mar. 19, 1926. Serial No. 95,915. 7 Claims. (Cl. 103—192.)



1. A multiple stage pump including a tubing, a plurality of pump barrels, coupling heads connecting said tubing and said pump barrels together in series, said heads having two longitudinal passages therethrough, a pump rod, pistons in said pump barrels, outlet tubes slidable in said passages and connected to said pump rod and said pistons, inwardly opening valves at each end of said pump barrels, said tubes being provided with openings to allow access of fluid thereto from said pump barrels, the openings in one tube being above said pistons and the openings in the other being below said pistons, and valves at the upper ends of said tubes.

1,634,280. STORAGE-BATTERY TERMINAL. EDGAR E. ZASTROW, Chanute, Kans. Filed Aug. 13, 1926. Serial No. 129,000. 4 Claims. (Cl. 173—324.)



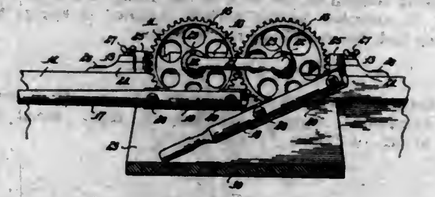
1. In a battery terminal of the character described, a suitable length of cast lead, a battery post engaging ring upon one end of said length of lead, an electric conducting wire extending throughout the length of the cast lead, and a lead wire attaching lug molded within the lead in engagement with said conducting wire at the opposite end from said post engaging ring.

1,634,281. BAND-SAW SHARPENER. OSCAR H. BANKER, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 696,544. 6 Claims. (Cl. 76—45.)



4. A saw sharpener formed with a tapered periphery and a burnishing surface, and a plurality of cutting teeth of gradually decreasing size, the larger of said teeth being arranged at the forward end of said sharpener.

1,634,282. BOW-FACING OAR. EDWARD BECHLE, Kiel, Wis. Filed Apr. 6, 1926. Serial No. 100,149. 2 Claims. (Cl. 9—25.)



1. A bow-facing oar for row-boats comprising a swiveled supporting-member having spaced apart gudgeons, gearwheels pivotally mounted on said gudgeons and in mesh with each other, a blade section attached to one of the gearwheels at the outer side of the pivot to project outwardly from the boat, and a handle section attached to the other gearwheel at the outer side of the pivot to project inwardly, in the operative position of the oar, whereby the oar sections can be folded and housed within the boat so as to extend rearwardly one above the other at the inner side of the boat.

1,634,283. BUILDING UNIT. JOSEPH A. BIRKHOLZ, Orange, N. J. Filed Sept. 9, 1922. Serial No. 587,059. 2 Claims. (Cl. 72—107.)



1. A wall structure, comprising a plurality of perpendicular slabs disposed side by side in edge to edge relation, the faces of the edge portions of adjoining slabs each having between their sides a vertical longitudinal channel extending from the bottom to the top thereof, said channels of adjoining slabs being disposed in opposed matching relation to provide a vertical chamber intersecting the joint between the slabs, an integral filler element extending through said vertical chamber, a vertical batten covering the exterior end of the joint between the slabs, and vertically spaced fastening nails driven through said batten and the exterior end of said joint and into said filler element.

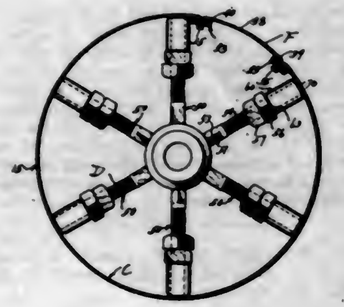
1,634,284. STORAGE-BATTERY CONTAINER. CARL J. DUNZWEILER and MALVERN W. SEVERANCE, Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1923. Serial No. 655,454. 1 Claim. (Cl. 220—91.)



A storage battery container having a handle in the form of a bail attached to two opposite walls of the container, said walls having protruding pads and bosses

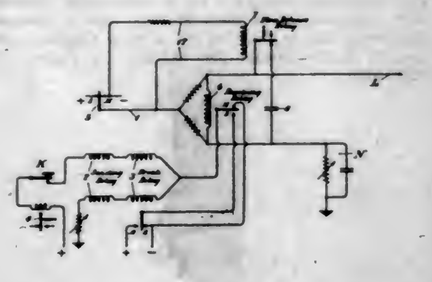
projecting outwardly from the pads and formed integrally with the container walls, and the handle having laterally extended bearing portions surrounding the bosses, retainers secured on the ends of the bosses, the inner ends of the extended bearing portions adapted to engage the pads and the outer ends the retainers.

1,634,285. EXPANSION PULLEY. ROBERT H. GARVER, Drummond, Idaho. Filed May 18, 1925. Serial No. 31,142. 4 Claims. (Cl. 64—8.)



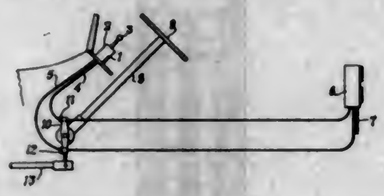
1. As an article of manufacture a wheel rim including a main body portion of sheet metal having the ends thereof turned inwardly of the inner periphery to provide sockets, a connecting piece including a body having spaced retaining flanges providing sockets adapted to detachably receive the underturned flanges of the main body portion to connect the same, and set screw means carried by the body portion of said connecting piece radially at the inner periphery of the rim for adjustment into the joint at the ends of the main body portion to force the same into the sockets of said connecting piece.

1,634,286. TELEGRAPH CIRCUITS. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 30, 1925. Serial No. 65,874. 2 Claims. (Cl. 178—60.)



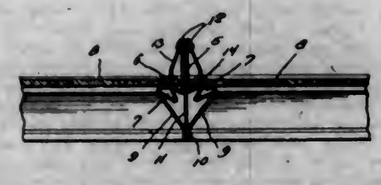
1. A duplex telegraph set comprising a line section and an artificial line section, a receiving relay associated with both of said line sections, a transmitter circuit connected to the apex of said line sections, an alternating current shunt around said receiving relay, and relay means controlled by said transmitter circuit for operating said shunt.

1,634,287. SIGNALING SYSTEM. REUBEN HILL, West Hartford, Conn., assignor of one-half to Minard A. Possons, Cleveland, Ohio. Filed Sept. 3, 1925. Serial No. 54,238. 11 Claims. (Cl. 116—36.)



1. In a signaling system, a controller unit, an indicator unit, communicating means therebetween and means to restore the indicator unit to inoperative position and means to gradually resist such restoration to delay the restoration and bell cranks connected to said resisting means and said communicating means.

1,634,288. SKYLIGHT. FREDERICK HORFEL, Pottsville, Pa. Filed July 23, 1925. Serial No. 45,658. 1 Claim. (Cl. 108—16.)



In a skylight structure, a bar formed from a single sheet of material bent between its ends to provide a lower triangular portion of hollow form and a central upstanding vertical partition of U-shaped cross section, the free ends of said sheet being bent and connected together to form a channel at the apex of said triangular portion, the top portions on opposite sides of the partition of the triangle being bent to provide inner and outer condensation collecting and conducting gutters, a vertical reinforcing plate disposed within said bar and having its upper edge portion fitted into said U-shaped partition and its lower edge portion fitting into the apex channel, the crest of said U-shaped portion being formed with openings, and retaining tongues carried by the upper edge of said plate and extending through said opening.

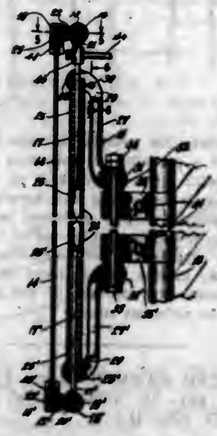
1,634,289. EDUCATIONAL APPARATUS. JENS OLAI BEENHARD JACOBSEN, Bellingham, Wash. Filed Sept. 13, 1926. Serial No. 135,103. 1 Claim. (Cl. 35—3.)



Apparatus for exemplifying some of the phenomena of the solar system, comprising a board having on the surface thereof a circle and four equi-distant marks associated with the circle and further having arrows adjacent to said marks, an element designed to represent the sun and having a stand adapted to be placed in the center of the circle and on the board and turnable about its axis,

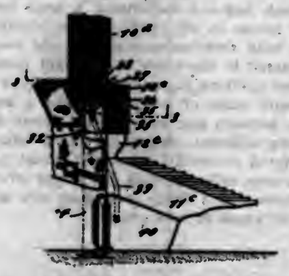
and a horizontal arm carried by and extending laterally of the said stand, and an element designed to simulate the earth and having a globe and also having a stand movable on said board and said stand including a base upon the upper side of which is an arrow pointed in the same direction as the first named arrows and designed to be placed in parallelism therewith.

1,634,290. WIND DEFLECTOR FOR AUTOMOBILES. BERN JASSEN, New York, N. Y. Filed July 14, 1921. Serial No. 484,831. 9 Claims. (Cl. 296—84.)



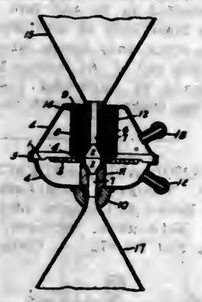
1. In a device of the character described, a wind deflector, and a frame for supporting the deflector, said frame including clamps extending therefrom and means for snapping said clamps in position against the edges of said deflector, said means comprising a rod connected to each of said clamps, a tubular member within which said rods are adapted to reciprocate, and a spring housed within said tubular member, the tension of which is adapted to restore the rod into the tubular member after being drawn out of the latter.

1,634,291. AIR-COOLED WALL. HOWARD J. KERR, Bayonne, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Original application filed June 12, 1919, Serial No. 303,671. Divided and this application filed Apr. 17, 1923. Serial No. 632,692. 12 Claims. (Cl. 110—75.)



1. In combination, a furnace wall comprising a main wall and a supplemental wall, a stoker comprising a wind box, a ventilating box communicating with said wind box, each of said walls being provided with passages for conducting air from said ventilating box to the interior of the furnace chamber.

1,634,292. ART OF THE TRANSMISSION OF SOUND. KARL MARTIN LEDERER, Newark, N. J. Filed Mar. 20, 1922. Serial No. 545,293. 12 Claims. (Cl. 179—115.)



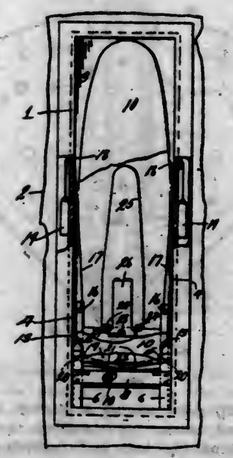
1. A diaphragm for devices of the character specified comprising a disk-shaped element provided with a cone-shaped armature, and concentrically disposed annular grooves.

9. In a device for the transmission of sound, and similar apparatus, a casing comprising a pair of sections, a diaphragm disposed between and held in place by said sections, means connected with said casing for admitting air into the same, a cone-shaped armature associated with said diaphragm, a tubular core provided with a cone-shaped opening fitted over said armature, and a coil wound upon said core.

1,634,293. MANUFACTURE OF MOLDED ARTICLES FROM LATEX. CHAUNCEY C. LOOMIS, Yonkers, and HORACE E. STUMP, Brooklyn, N. Y., assignors, by mesne assignments, to The Hevea Corporation, a Corporation of New York. Filed Aug. 22, 1923. Serial No. 658,833. 8 Claims. (Cl. 18—50.)

1. The process of molding articles, comprising forming a suspension of a filler, adding latex, partially coagulating the latex, removing the liquid content, drying and pressing.

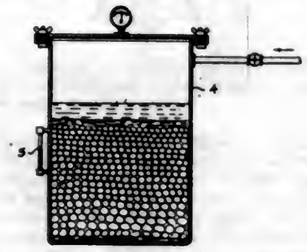
1,634,294. IRONING BOARD. WILLIAM L. MCGOWAN, Galt, Mo. Filed Oct. 8, 1924. Serial No. 742,398. 1 Claim. (Cl. 68—10.)



A cabinet ironing board comprising a casing having opposed vertical guide strips, a carriage slidably mounted on said strips, a board hinged adjacent one end of said

carriage, means for locking said carriage in different positions comprising a pair of levers pivotally and slidably mounted at their outer ends on opposite edges of the carriage and adapted to be slid into engagement with said strips, the inner ends of said levers being adapted to engage each other, said levers lying in the path of travel of the inner end of the ironing board whereby the board when moved to horizontal position forces said levers into locking engagement with the strips.

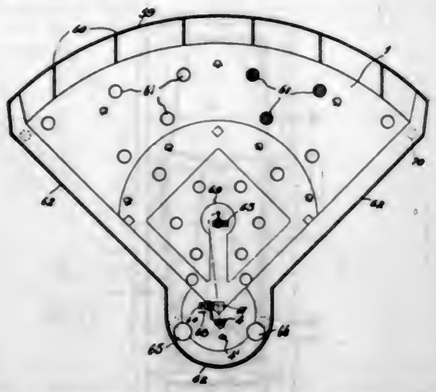
1,634,295. METHOD AND MANUFACTURE OF FRUIT PRESERVES. WHARTON B. MCLAUGHLIN, New York, N. Y.; Celia Brown McLaughlin administratrix of said Wharton B. McLaughlin, deceased. Filed Mar. 25, 1924. Serial No. 701,812. 3 Claims. (Cl. 99—11.)



1. The method of preserving fruit which consists in exposing it to the action of a concentrated sugar solution at a temperature below the boiling temperature of the natural fruit juices; maintaining on the solution a pressure in excess of the osmotic pressure between the juice within the cell of the fruit and the surrounding sugar solution until the desired amount of sugar is incorporated in the fruit substance.

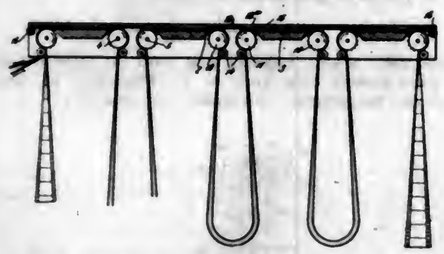
2. An article of manufacture consisting of fruit preserved by a saturated sugar solution in its substance substituted for a portion of its uncooked natural juice.

1,634,296. BASEBALL GAME. PHILIP J. MATTERN and HAROLD N. WALKER, Oelwein, Iowa, assignors of one-third to Edward C. Ballman, Oelwein, Iowa. Filed June 24, 1925. Serial No. 39,310. 6 Claims. (Cl. 273—89.)



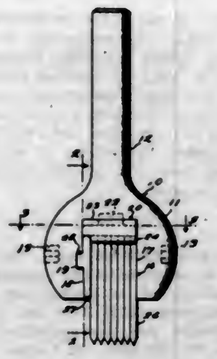
1. A base ball game having a pitcher, batter, catcher and umpire and means for throwing the ball, batting the ball, catching the ball and operating the umpire, the said means consisting of a trigger arm operated through a counterbored push button, thereby releasing tension springs which function to operate the pitcher, batter, catcher and umpire.

1,634,297. APPARATUS FOR PRINTING MOTION-PICTURE FILMS. FREDERIC R. MILLER, Jersey City, N. J., assignor to Artcolor Motion Picture Company, New York, N. Y., a Corporation of Arizona. Filed Apr. 25, 1919, Serial No. 292,525. Renewed Nov. 24, 1926. 6 Claims. (Cl. 95—75.)



1. In a machine for printing motion picture films, the combination of a plurality of sprockets arranged in successive rows with several sprockets in each row, means for simultaneously operating the sprockets to an equal extent, an exposure window adjacent each sprocket of a length equal to a length of film fed at each operation of the sprockets, and means for supporting the film to be printed and the master film in loops of equal length between each successive sprocket of the row and the end sprockets of the adjacent rows.

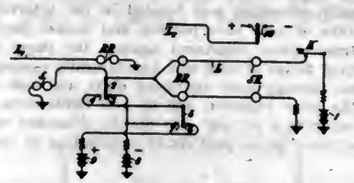
1,634,298. BUSH HAMMER. JOHN J. PADBURY, Barre, Vt. Filed Oct. 15, 1926. Serial No. 141,801. 4 Claims. (Cl. 125—41.)



1. A bush hammer comprising a head having a blade receiving recess in its lower end, a plurality of blades arranged with their upper ends in said recess, a thrust plate mounted in the upper end of said recess, said plate having end portions engaging opposite faces of said head and opposite edges of said blades, and a key adapted to be driven between one wall of said recess and the outer face of the adjacent blades, the upper edge of said key being adapted to contact with said thrust plate, the wall of said recess adjacent said key being provided with a guide groove, and a flange carried by said key and adapted to be arranged in said groove.

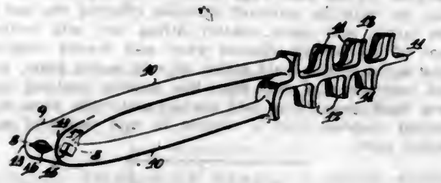
1,634,299. TELEGRAPH CIRCUITS. RALZEMOND D. PARKER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 19, 1924. Serial No. 687,369. 5 Claims. (Cl. 178—2.)

1. A telegraph system comprising a receiving relay, an armature therefor, contacts associated with said armature, sources of potential of opposite polarity normally connected to said contacts, a loop circuit connected to



said armature, a relay in said loop circuit, and means controlled by said relay for connecting said contacts to a single one of said sources of potential.

1,634,300. REVERSIBLE TOOL BRACE. CLARENCE R. POLEN, Tulsa, Okla., assignor of three-fourths to Solomon R. Mealy, Tulsa, Okla. Filed Sept. 23, 1926. Serial No. 137,295. 3 Claims. (Cl. 255—35.)



1. A tool brace comprising a rigid one-piece body having a head at one end and a double-face ratchet-lug body at the other end connected with the head by spaced arms and adapted to engage a derrick circle.

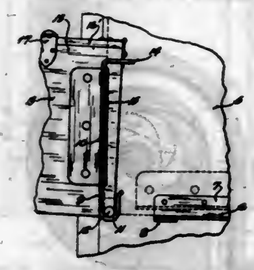
3. In a tool brace which comprises a rigid one-piece body having a head at one end and means at the other end adapted to engage a derrick circle, said head having a recess in its front and having a transverse opening merging with said recess, and a multi-sided-sharp-edged tooth member held in said opening and projecting into said recess, said tooth member being adapted to be turned to present one of its edges at a time into said recess whereby as one tooth edge becomes dull another edge may be presented.

1,634,301. THERMOSTATICALLY-CONTROLLED RADIATOR SHUTTER FOR AUTOMOBILES. JAMES F. RALEIGH, River Forest, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 16, 1925. Serial No. 16,089. 19 Claims. (Cl. 236—35.)



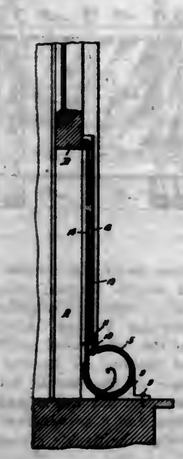
1. In a thermostatic radiator shutter, the combination of a frame, a shell, a chamber between said frame and said shell, a thermostatic element in said chamber, and a closure member for said chamber, said closure member being releasable for affording access to said thermostatic element without necessitating separation of said frame and said shell.

1,634,302. TRUNK-DRAWER ATTACHMENT. JULIUS RITTER, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed May 14, 1923. Serial No. 638,853. 2 Claims. (Cl. 190—13.)



1. A trunk drawer attachment, comprising an open sided trunk section having a drawer support, a drawer vertically positioned on said support and having stop members mounted on its front portion for limiting the inward movement of said drawer, and being movable to a horizontal position outside of said trunk, and a bearing and a stop means for maintaining the drawer in said horizontal position, said drawer and stop means permitting the drawer to be easily removed from engagement with the trunk section by an upward movement of the drawer to disengage the bearing and the stop means.

1,634,303. WINDOW SCREEN. EMMA SCHELLER, Long Island City, N. Y. Filed Aug. 17, 1926. Serial No. 129,762. 1 Claim. (Cl. 156—39.)



In a screen construction for windows, a hollow casing constructed for disposition upon the window sill, said casing being formed at its top side with a longitudinal slot, a predetermined length of screen material, reinforcing strips exteading along the opposite longitudinal edges of the screen material, said reinforcing strips being of spring metal and of normally coiled formation so as to normally wind the screen material in coil formation within the casing, the outer end of the screen material

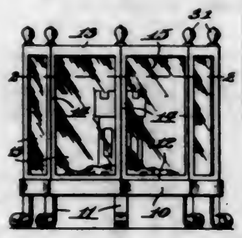
being attached to the lower portion of the adjacent sliding window sash in order that when the sash is raised, said screen material will be withdrawn from the casing through the longitudinal slot.

1,634,304. CENTRIFUGAL PUMP. VICTOR SCHLEYER, Anderson, Ind., assignor, by mesne assignments, to Dean Hill Pump Company, Anderson, Ind., a Corporation of Indiana. Filed Mar. 19, 1923. Serial No. 626,063. 9 Claims. (Cl. 103—103.)



1. A centrifugal pump, comprising a vertical shaft, a centrifugal impeller mounted thereon, upper and lower plates between which said impeller rotates, said plates being spaced apart to provide between them a discharge chamber into which said impeller discharges, and a single involute vane located in said discharge chamber and projecting into proximity to said impeller.

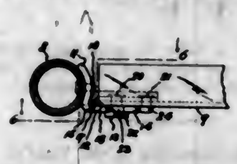
1,634,305. ILLUMINATED AQUARIUM. JOHN A. SCHRIMP, Los Angeles, Calif. Filed May 26, 1926. Serial No. 111,855. 6 Claims. (Cl. 119—5.)



1. An aquarium having a double bottom, the upper member of said double bottom, being bodily removable and shaped so as to represent miniature hills and valleys, there being openings formed through said removable upper member at the lower-most points in the depressions that are formed therein, an electric lamp supported on the lower member of the double bottom and positioned in the space between the upper and lower members of said double bottom and a transparent housing secured to the lower member of the double bottom and enclosing said electric lamp.

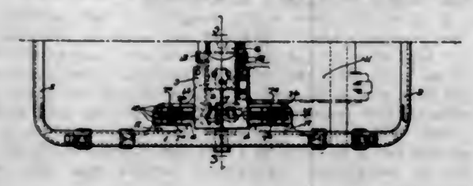
1,634,306. BEDSTEAD CORNER LOCK. ABRAHAM J. SCHULTZ, Newark, N. J. Filed June 23, 1926. Serial No. 117,959. 4 Claims. (Cl. 5—294.)

1. A corner lock structure for connection between a bedpost and angle-iron side bar of a bedstead, comprising an integral socket element consisting of a base portion to abut and be secured to said bedpost and a socket plate extending outwardly from one side of said base portion, said socket plate having an upwardly open downwardly extending socket in the body thereof bounded on its outer side by a finger-like member, said socket member having a vertically extending seat located in the interior angle of juncture of said base portion and socket plate; and an abutment plate registered against the inner side of the vertical flange of said side bar, laterally spaced rivets extending through said abutment plate and side bar to secure the same together, one of said rivets terminating at the outer face of said side bar in a headed coupling stud and the other of said rivets terminating at the outer



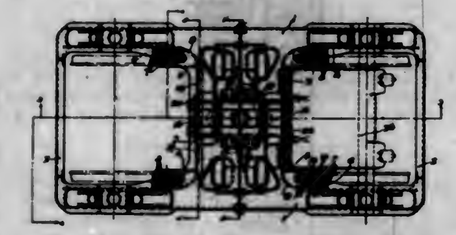
face of said side bar in a stop head, said abutment plate having at its outer end a vertical off-set tenon projecting endwise beyond and lying in the vertical plane of said side bar with its rearward shoulder abutting the end of the latter, said tenon slidably fitting into said vertical seat of said socket element when said headed coupling stud is entered in said socket of said socket plate, and the outer edge of said finger-like member abutting said stop head so as to be held against distortion when said headed coupling stud is entered in said socket of said socket plate.

1,634,307. TRUCK. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed June 9, 1926. Serial No. 114,742. 17 Claims. (Cl. 105—172.)



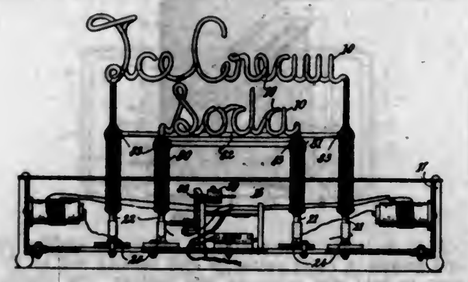
1. In a locomotive truck, a transom forming part of the truck frame and forming an air duct and having an inlet opening in its top wall, and a center plate supported on said transom above said opening and having a central opening for passage of an air current from a conduit in the locomotive superstructure.

1,634,308. ELECTRIC-LOCOMOTIVE TRUCK. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed June 9, 1926. Serial No. 114,743. 15 Claims. (Cl. 105—172.)



1. In a locomotive truck transom, spaced air ducts formed by the transom walls and closed to each other.

1,634,309. ILLUMINATED ADVERTISING DEVICE. WILLIAM GENTRY SHELTON, New York, N. Y., assignor to Halliwell-Shelton Electric Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1922. Serial No. 588,784. 5 Claims. (Cl. 176—14.)



1. An illuminated sign comprising a Geissler tube having electrodes at each end, and two transformers one connected to each electrode for producing a discharge from each electrode.

1,634,310. PROCESS OF MAKING A YEAST STIMULANT. JOKICHI TAKAMINE, Jr., and NOBUCHIKA FUJITA, Clifton, N. J. Filed July 25, 1922. Serial No. 577,446. 5 Claims. (Cl. 195—20.)

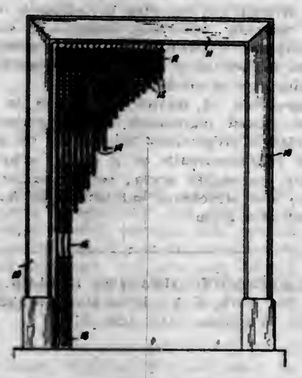
1. The process of manufacturing yeast stimulant, which consists in making a water decoction of bran, saccharifying and rendering water soluble the carbohydrates therein by means of an enzyme mixture rich in a diastatic enzyme and containing some proteoclastic enzymes, eliminating the proteoclastic enzymes, leaving a slight amount of the diastatic enzyme and separating the water soluble from the water insoluble material.

1,634,311. FURNACE FOR ELECTRICAL TREATMENT OF GASES FOR THE PURPOSE OF OXIDATION OF ATMOSPHERIC NITROGEN OR FOR OTHER PURPOSES. BRUNO THOMAS, Seattle, Wash. Filed Mar. 14, 1923. Serial No. 624,987. 3 Claims. (Cl. 204—31.)



1. A furnace for electrical treatment of gases embodying a chamber having tangentially disposed admission ports and an outlet port of such relative size as respects the said chamber that a centrifugal motion is imparted to the gases passing therethrough, whereby a reaction zone of low pressure is produced and electrodes operatively disposed with respect to said zone.

1,634,312. DOOR OR WINDOW SCREEN. MICHELE ZECCHINO, Corona, N. Y. Filed Aug. 11, 1926. Serial No. 128,539. 2 Claims. (Cl. 156—10.)



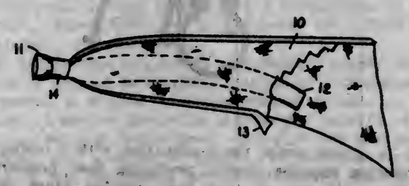
1. The herein described screen for excluding insects from a doorway or window, the same comprising a succession of strings of beads in the same plane and in close relation to one another, each string being suspended at the top of the opening from a coil spring and having other springs interposed along its length.

1,634,313. SWIMMING BAG. HACHIG A AYVAD, West New York, N. J. Filed Aug. 30, 1926. Serial No. 132,430. 3 Claims. (Cl. 9—17.)



1. A pair of S-shaped swimming-bags one of which is reversed with respect to the other, one end of each bag being joined to one end of the other bag, and the other ends of the bags being provided with valves.

1,634,314. VALVE FOR SWIMMING BAGS. HACHIG A AYVAD, West New York, N. J. Filed Aug. 30, 1926. Serial No. 132,431. 4 Claims. (Cl. 9—17.)



4. In combination with an inflatable woven fabric bag, a valve consisting of a mouthpiece and a collapsible tube within the bag, the walls of which each consist of two layers of fabric.

1,634,315. REMEDY FOR SEASICKNESS. GARRETT N. BANKER, Kew Gardens, N. Y. Filed July 1, 1926. Serial No. 119,897. 2 Claims. (Cl. 167—7.)

1. A composition of matter for use in overcoming and preventing seasickness by shielding the nervous system from reflex stimuli and relieving the stomach of nervous and direct muscular reactions, comprising scopolamine and ethylmorphine hydrochlorate as the shielding sedatives, cerium oxalate as a direct stomach-settling agent, and strychnine as a stomachic tonic.

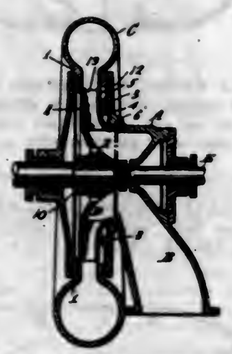
2. A composition of matter as defined in claim 1, wherein the named ingredients are intermixed in the following relative proportions by weight; to wit, scopolamine, one four-hundredth of a grain; ethylmorphine hydrochlorate, one-eighth grain; cerium oxalate, two to four grains; and strychnine sulphate, one one-hundred-and-twentieth of a grain.

1,634,316. MASSAGING HEATING ROLLER. EDWARD BECHER, New York, N. Y. Filed Mar. 27, 1926. Serial No. 97,862. 7 Claims. (Cl. 128—57.)



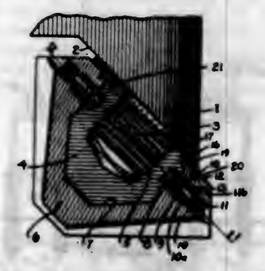
1. A massage instrument comprising a hollow handle, a U-shaped frame secured to said handle, a heating element fixed to said handle and projecting longitudinally therefrom and a roller mounted rotatably upon said heating element and restrained by said frame from longitudinal movement.

1,634,317. IMPELLER BALANCING AND SEALING DEVICE. HARRY F. BENSON, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 22, 1925. Serial No. 45,189. 4 Claims. (Cl. 103—112.)



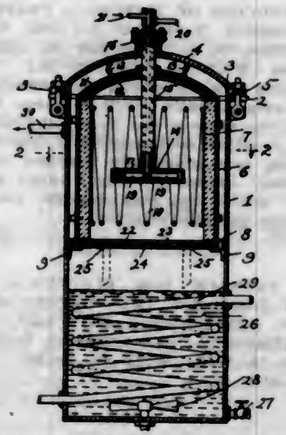
1. In a fluid pump, the combination with a casing and a rotating impeller therein producing fluid pressure at discharge, of sets of axial flow pumping vanes on opposite sides of the impeller cooperating with the casing to form axial flow pumping means arranged at different radial distances to secure a resultant thrust on the impeller in one direction.

1,634,318. ROLLER-CUTTER MOUNTING. CLINTON H. M. BULL, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Mar. 28, 1927. Serial No. 178,986. 11 Claims. (Cl. 255—71.)



1. In a rotary boring drill, a spindle, a bushing on said spindle, a roller cutter on said bushing and an element to hold said cutter on said bushing, said bushing having a groove, and said element being carried by the cutter, and means to move said element partly into said groove.

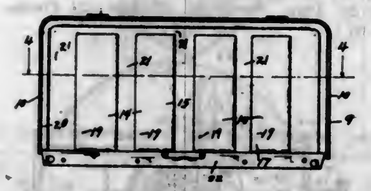
1,634,319. METHOD AND APPARATUS FOR HEAT TREATING METAL ARTICLES. THOMAS F. CALLAGHAN, Bellefonte, Pa., assignor to Erwin C. Uihlein, Milwaukee, Wis. Filed Oct. 27, 1924. Serial No. 746,094. 4 Claims. (Cl. 266—4.)



2. In apparatus of the character described, the combination of a container, one portion of said container serving as a quenching bath compartment, another portion of said container having a shell within the same, said shell being spaced from the wall of the container, means for supporting said shell within the container, a suitable refractory lining upon the inner wall of said shell, electric resistance members within the shell, a cap co-operating with said shell, said cap having a suitable refractory lining, a movable member for supporting articles to be heat treated, said movable member having portions which extend through the said cap and said closure member for the container, said movable member being adapted to move into the quenching compartment.

1,634,320. CUSHION TOP FOR WARDROBE TRUNKS. WILLIAM C. CHESNUT, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 5, 1923. Serial No. 672,952. 2 Claims. (Cl. 190—13.)

1. A wardrobe trunk having a section provided with an upper open end and a hinged top cover, garment hanger tracks mounted within the trunk section on the opposite side walls and adjacent the open end, garment hangers slidably mounted on said tracks and having straight upper edge portions for folding garments thereover, and a cushion member mounted on the inner side of the top cover and having a base attaching portion and a covering portion between which a plurality of cushion units are formed in spaced relation, one of said units being of U-formation to engage the upper edges of the wardrobe section and the other units extending at right angles to the garment hangers, the portions of the covering between the cushion units being secured to the base member, the upper straight edges of the garment hangers and the garments draped thereon embedding into the cushion units other than the unit of U-formation when the top cover is in closed position.

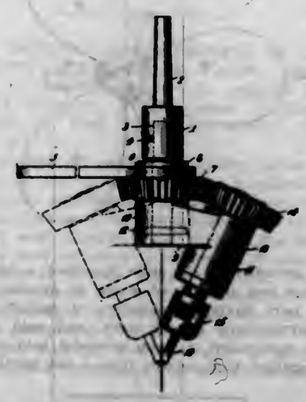


1,634,321. CLASP. JOSEPH COUSLIN, East Vandergrift, Pa. Filed Feb. 16, 1927. Serial No. 168,681. 4 Claims. (Cl. 24—137.)



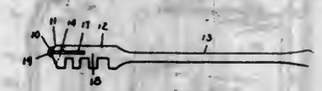
4. A clasp comprising a body, a U-shaped clasp member hingedly connected to the body, and a fastening bar pivotally connected to the body and movable to and from a position against and in engagement with the back portion of the clasp member.

1,634,322. DRILLING TOOL. GEORGE DORNER, Jr., Long Island City, N. Y. Filed Mar. 2, 1926. Serial No. 91,711. 3 Claims. (Cl. 77—55.)



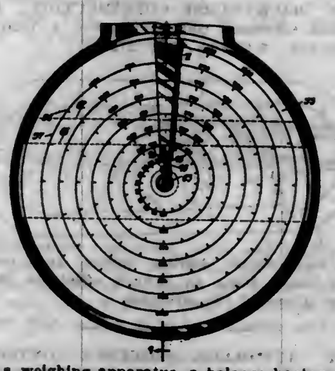
1. A glass drilling tool comprising, a shank adapted to engage the spindle of a drill press or similar rotating device, a yoke rigidly attached to said shank and provided with an inclined bearing at its outer end, a shaft rotatably mounted in said bearing, means at the upper end of said shaft for rotating the same, a chuck carried by the lower end of said shaft, a member rotatably carried by said shank for causing a planetary motion of said rotating means, and a handle for holding said member stationary when said shank rotates.

1,634,323. GLASS CUTTER. ARTHUR TERRY FLETCHER, Bristol, Conn., assignor to The Fletcher-Terry Company, Forestville, Conn., a Corporation. Filed Jan. 17, 1927. Serial No. 161,531. 2 Claims. (Cl. 49—52.)



1. In a glass-cutter, a body having a slot, a disc-like cutter entered in said slot and having an opening, a shaft of wire entered through said opening, arms extending from the ends of said shaft and forming therewith a U-shaped structure, and said body having means for operatively housing the portions of said U-shaped structure that are exterior to said cutter.

1,634,324. DIAL SCALE AND SIMILAR APPARATUS. EUGENE GABE, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a Corporation of New York. Filed Dec. 4, 1923. Serial No. 678,384. 12 Claims. (Cl. 265—68.)

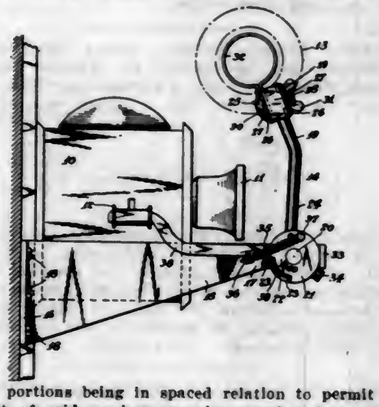


1. In a weighing apparatus, a balance having a weight arm and a weighing arm, means for applying the material to be weighed to the weight arm, spring means attached to the weighing arm adapted to apply a force to the weighing arm in direct proportions to the deflection of the said arm, dial means for registering the deflection of the said arm in proportion to the weight applied, the said means comprising a dial, a series of divisions on the said dial arranged in a spiral thereon so as to subtend equal angles; means for rotating the said dial in proportion to the said deflection and means for indicating the numbers on the dial corresponding to the deflection of the weighing arm and the weight of material on the weight arm.

1,684,325. TELEPHONE ATTACHMENT. FAIRFIELD W. HOBAN, New York, N. Y., assignor to Holdaphone, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1927. Serial No. 176,375. 7 Claims. (Cl. 179—149.)

1. A telephone attachment comprising a bracket adapted to be secured in operative relation to a telephone instrument, a receiver carrying member pivoted to said bracket, a member pivoted to said bracket laterally of and in close relation to the lower portion of said first named member and adapted to engage the telephone receiver hook of said instrument for controlling the same, a portion on one of said members extending laterally into the path of travel of the other of said members, and opposing portions on said other member at opposite sides of said laterally extending portion adapted to engage the

same to positively maintain said hook controlling member in raised and depressed positions as said receiver carrying member is swung to and from operative position; said



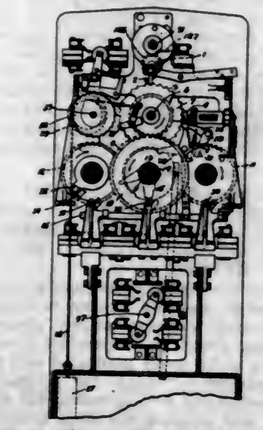
opposing portions being in spaced relation to permit of movement of said receiver carrying member for a portion of its travel independently of said hook controlling member.

1,634,326. RACE-COURSE CONSTRUCTION. JOHN F. JENNINGS, Cleveland, Ohio. Filed Dec. 1, 1926. Serial No. 151,883. 5 Claims. (Cl. 272—5.)



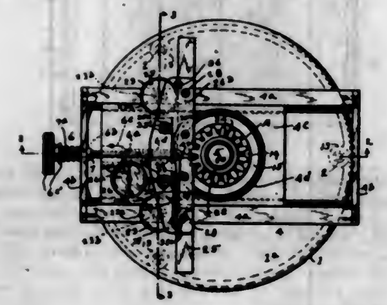
1. A race course having curves and connecting stretches, there being an inward offset on the inner boundary of one of the stretches.

1,634,327. AUTOMATIC SEQUENCE CONTROL FOR VALVES. JAMES S. KENNEDY, Pelham Manor, N. Y., assignor to The Bartlett Hayward Company, a Corporation of Maryland. Filed Aug. 15, 1924. Serial No. 732,189. 17 Claims. (Cl. 137—144.)



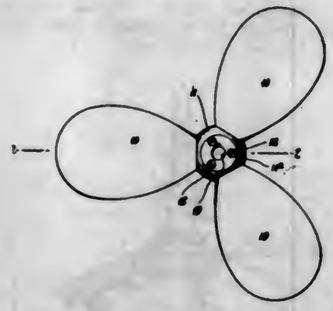
1. A sequence valve control apparatus comprising main operating valves, motive means for the same, an electromagnetic operator for each of said motive means, electric circuits for controlling said electro-magnetic operators, a safety switch included in said circuits, and automatic means for throwing said switch adapted to operate on failure of current in a part of said circuits.

1,634,328. TESTING APPARATUS. ERNEST J. LEES, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 20, 1922. Serial No. 576,268. 24 Claims. (Cl. 73—51.)



1. In apparatus of the class described, the combination of a base, a support mounted in said base and arranged to carry a gear, an annulus corresponding in diameter to one circle of the gear fixed to said support, a frame, said shaft and frame being mounted to permit relative movement between them about the axis of the gear, a contact element engaging said annulus and disposed between it and said frame and arranged to roll on said annulus when relative movement between said frame and support takes place, and means engaging the face of a gear tooth during such relative movement to determine inaccuracies therein.

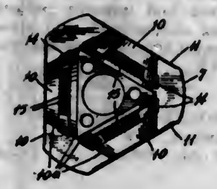
1,634,329. PROPELLER. HENRY MALM, New York, N. Y. Filed Apr. 24, 1926. Serial No. 104,331. 10 Claims. (Cl. 170—159.)



1. In a propeller of the class described, a blade member, the hub end portion of which is provided with a projecting part having a plurality of radially directed and circumferentially spaced teeth, and said projecting part being dove-tailed in form whereby said blade may be locked against displacement from a hub portion.

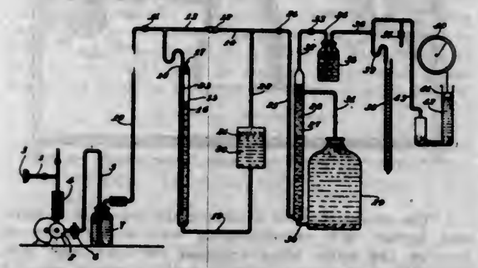
1,634,330. PROPELLER. HENRY MALM, New York, N. Y. Filed Sept. 13, 1926. Serial No. 135,032. 8 Claims. (Cl. 170—160.)

1. In a propeller, a hub portion divided transversely of the axis thereof to form two independent parts, said parts having on adjacent faces and arranged about the periphery of said hub portion, dove-tailed recesses, por-



tions of the beveled faces of said recesses being grooved, and teeth or projections in the grooved portions of said recesses.

1,634,331. METHOD OF AND APPARATUS FOR QUANTITATIVE DETERMINATION OF GAS. ROSCOE P. MASS, Wilkinsburg, Pa. Filed May 15, 1926. Serial No. 109,276. 5 Claims. (Cl. 23—232.)



1. The method of continuously determining quantitatively a given constituent of a mixture of gases, comprising causing a stream of the mixture to constantly flow at a volumetrically uniform rate, removing the given constituent of the gas from said stream, causing the residue gas to flow through a constricted passage, and indicating the differential pressure of the residue gas on the opposite sides of the constricted passage.

1,634,332. METHOD OF OR PROCESS OF COOKING SPAGHETTI AND SIMILAR FOODS. JAMES McGOWAN, Jr., Merchantville, N. J., assignor to Campbell Soup Company, a Corporation of New Jersey. Filed Mar. 23, 1926. Serial No. 96,878. 3 Claims. (Cl. 99—8.)

3. The method of cooking spaghetti, which consists in hermetically sealing in a container, a suitable amount of dry spaghetti, together with a sauce therefor and water, heating the same to a temperature sufficient to cook the contents of said container, and keeping the strands of spaghetti in said container in substantially constant motion with respect to each other throughout the cooking of the same whereby the strands of spaghetti are prevented from adhering to each other, the sauce is thickened and evenly distributed over all the strands throughout said container, and any coloring matter in said sauce is evenly distributed throughout said sauce and spaghetti.

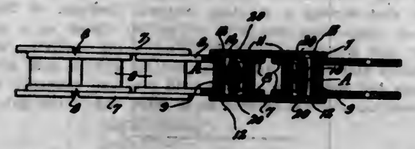
1,634,333. BILL POSTING. HUGO MOCK, New York, N. Y. Filed Oct. 21, 1926. Serial No. 143,296. 4 Claims. (Cl. 41—34.)

1. A method of bill posting comprising the preparation of a paper poster, applying a layer of nitrocellulose lacquer to the wall to which said poster is to be affixed, affixing said poster to such wall while said lacquer is still



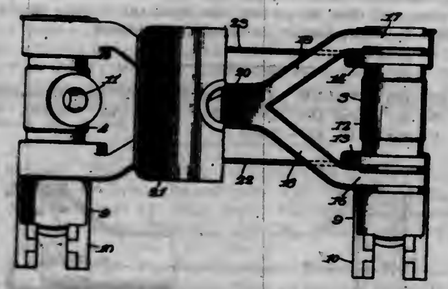
in a tacky condition, and applying fresh nitrocellulose lacquer to the front of the poster so as to have said lacquer thoroughly permeate said poster.

1,634,334. DRIVE CHAIN. FRANK L. MORSE, Ithaca, N. Y., assignor to Morse Chain Company, a Corporation of New York. Filed Feb. 21, 1924. Serial No. 694,214. 2 Claims. (Cl. 74—32.)



1. A drive chain comprising inside and outside links, two part pintles joining the links, one part of each pintle being shouldered to space the inside links and the other part of each pintle being shouldered to space the outside links, and a roller surrounding each pintle.

1,634,335. ENGINE. HENRY E. MUCHNIC, Atchison, Kans. Filed Sept. 15, 1924. Serial No. 737,735. 12 Claims. (Cl. 105—44.)

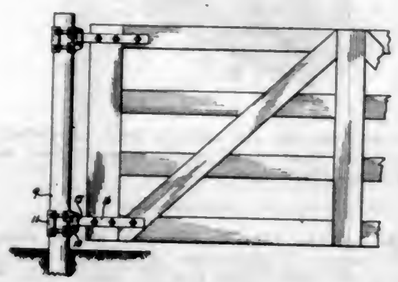


1. In a locomotive engine having cylinders provided with inlet and exhaust steam passages, a transverse member connected to the cylinders, and having spaced walls forming a box like structure, all integrally connected to the cylinders and for providing a rigid and strong connecting member between the cylinders, said transverse member having an integral center bearing for connection to a truck frame of the locomotive.

1,634,336. RUBBER-VULCANIZATION PROCESS. CLAYTON OLIN NORTH, Akron, Ohio, assignor to The Rubber Service Laboratories Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 27, 1926. Serial No. 132,041. 6 Claims. (Cl. 18—53.)

1. The process of vulcanizing rubber which comprises heating a rubber compound containing sulfur in the presence of the heptaldehyde derivative of an aniline-acrolein reaction product.

1,634,337. GATE HINGE. ANTHONY L. PANOCH, Iowa City, Iowa. Filed Aug. 21, 1926. Serial No. 130,649. 4 Claims. (Cl. 16—128.)

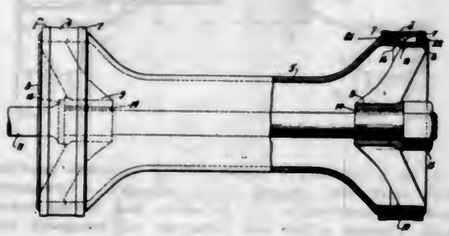


1. The combination, with a hinge part attachable to a gate and having a pivoting element thereon, of hinge means comprising means to adjustably clamp on a gate post and having a pivoting element for receiving said pivoting element on the gate, and an eye on said hinge means for embracing one of said pivoting elements and preventing removal of said hinge part and of the gate.

1,634,338. PROCESS OF MAKING PRECIPITATED BARIUM CARBONATE AND BARIUM SULPHYDRATE. JAMES B. PIERCE, Jr., Charleston, W. Va. Filed Nov. 18, 1924. Serial No. 750,676. 3 Claims. (Cl. 23—66.)

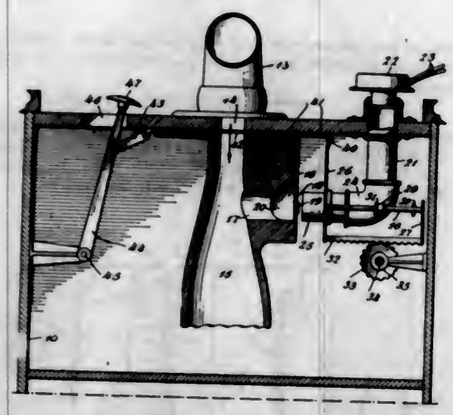
1. The method of making highly pure barium carbonate which consists in causing substantially pure carbon dioxide to react upon barium sulphide liquor while inhibiting the decomposition of the oxy-sulphur compound of barium normally present in the barium sulphide liquor by preserving approximately one-half of the barium content of the original barium sulphide liquor in the form of barium sulphydrate throughout the course of the reaction and then separating the resultant barium sulphydrate from the barium carbonate so obtained.

1,634,339. VALVE. CHARLES F. PRESCOTT, Brooklyn, N. Y. Filed Oct. 18, 1923. Serial No. 669,359. 6 Claims. (Cl. 121—193.)



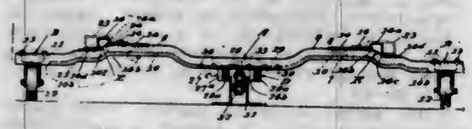
6. A valve of the character described comprising a spindle; a follower ring having an outwardly projecting flange; a valve body also having an outwardly projecting flange, a bull ring having a flange projecting inwardly between the follower ring and the valve body, said bull ring forming packing ring grooves with the flanges on the follower ring and valve body; and shims interposed between said inwardly projecting flange and the follower ring and between said inwardly projecting flange and the valve body, to vary the width of the packing ring grooves.

1,634,340. SOUND-AMPLIFYING INSTRUMENT. RAMON RODRIGUEZ, New York, N. Y. Filed Aug. 20, 1924. Serial No. 733,046. 12 Claims. (Cl. 179—100.1.)



1. The combination of a phonograph tone-arm, a radio loud speaker unit, an amplifying horn having a branch passage, the latter being arranged for connection with said radio loud speaker unit, controlling means whereby communication between said tone-arm and horn and between the branch passage of the latter and said loud speaker unit is established and disestablished in inverse relation, and independent means for automatically closing said branch passage when its communication with said loud speaker unit is disestablished.

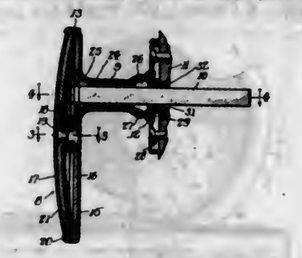
1,634,341. PAINT STICK FOR AUTOMOBILES. ROBERT T. ROMINE, Mount Clemens, Mich. Filed Sept. 3, 1926. Serial No. 133,372. 16 Claims. (Cl. 104—242.)



1. A device for carrying automobile bodies previous to the assembly of the body on its chassis, comprising a relatively narrow channel formed bar, means for retaining the body in position on said bar against substantial displacement, and a caster mounted beneath said bar adjacent each end thereof.

1,634,342. DOOR HANDLE. VICTOR R. SHINKEZ, Charlotte, Mich., assignor to Hancock Manufacturing Co., Charlotte, Mich., a Corporation of Michigan. Filed Sept. 13, 1924. Serial No. 737,470. 5 Claims. (Cl. 292—347.)

1. A door handle having, in combination with a spindle, a bar rigidly secured to the end of the spindle, a face plate for said bar, and a shell formed from a single sheet of metal and providing a rear wall with an aperture therein to receive said spindle, the edge portion of said



shell being bent around said face plate to form a flange, the edges of which overlie said face plate and serve to clamp the face plate in position.

1,634,343. ALLOY. GEORGE O. SMITH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 18, 1924. Serial No. 738,528. 6 Claims. (Cl. 75—1.)

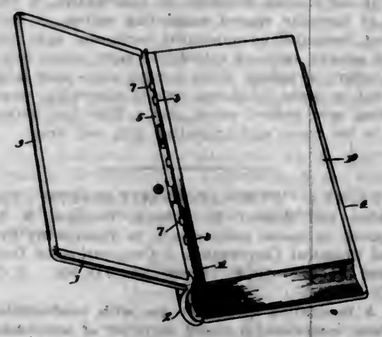
4. A high temperature spring to retain appreciable resiliency at red heat temperatures, composed of an alloy comprising as essential elements thereof the following metals in substantially the following proportions by weight:—copper at least as small as 30%, metal of the iron group 60–95%, metal of the tungsten group 5–40%.

1,634,344. PAPER FORMATION AND WEIGHT INDICATOR. RAYMOND A. STEFFEN, Hamilton, Ohio. Filed May 19, 1926. Serial No. 110,195. 7 Claims. (Cl. 265—11.)



1. The combination of two rotary shafts mounted in adjacent relation, a drive wheel on one of said shafts, a fluid actuated means on the other shaft, and means mounted in associated relation having driving connection with the shafts for indicating the relative speed of the shafts.

1,634,345. FLYLEAF FOR LOOSE-LEAF BINDERS. HARRY C. STERLING, Syracuse, N. Y., assignor to McMillan Book Company, Syracuse, N. Y., a Corporation of New York. Filed Aug. 9, 1926. Serial No. 128,200. 3 Claims. (Cl. 129—24.)

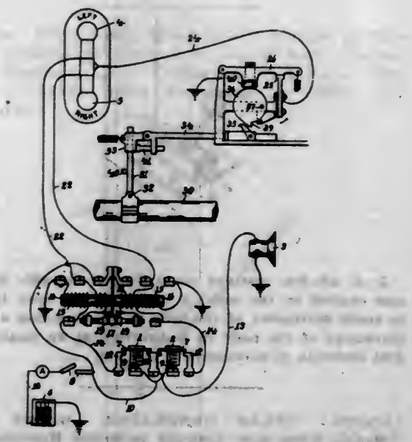


1. In a loose leaf binder of the link-and-pintle type, a fly leaf provided at its attaching edge with a longitudinally corrugated binding of durable material.

1,634,346. PROCESS FOR THE MANUFACTURE OF ARTIFICIAL WOOD AND PRODUCT OBTAINED BY SAID PROCESS. TOMMASO SUARDI, Rome, Italy. Filed Oct. 12, 1925, Serial No. 62,209, and in Italy Dec. 20, 1924. 6 Claims. (Cl. 92—3.)

1. Process for the manufacture of artificial wood consisting of disintegrating tree-branches or herbs or other similar substances either alone or in combination with each other by disintegrating machines, drying the fibres, treating them with fire-proofing substances, and subjecting them to a felting process as follows, feeding them into mixing machines with a binder, feeding them into moulds wherein they are compressed by suitable means and, in this condition and while still in the mould, are dried in hot chambers with adjustable temperature, after which they are put into stabilizing baths, dried and left standing for a maturation period.

1,634,347. SIGNAL SWITCH. GREGORY J. TUCKWIN, Boston, Mass. Filed Apr. 20, 1925. Serial No. 24,507. 1 Claim. (Cl. 200—59.)



A signal terminating device for automobiles and the like, comprising a stationary contact member, a movable contact member, an arm pivotally carried by the tie rod of the steering mechanism of the automobile, a stationary stop located at substantially the midlength of said arm, a spring urging the free end of said arm toward said stop, a rod pivotally and slidably supported at the free end of said arm, means near the pivot of the rod for preventing flexure thereat in one direction, and means controlled by said rod for removing the movable contact away from the stationary one, said parts being so disposed that the movement toward normal in each direction of said tie rod will shift said pivoted rod similarly and thereby break the circuit.

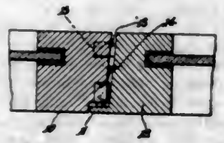
1,634,348. PROCESS FOR PRESERVING CANE JUICE. ARNOLD K. BALLS, Philadelphia, Pa. Original application filed Jan. 24, 1924, Serial No. 688,307. Divided and this application filed July 30, 1926. Serial No. 126,089. 3 Claims. (Cl. 99—11.)

2 The process of preserving sugar cane juice for subsequent use in growing yeast which comprises inoculating the material with lactic acid forming micro-organisms, and keeping the acidifying liquid at a temperature of substantially 55° C.

1,634,349. ANTIRATTLING DEVICE. SAMUEL BARUCH, New York, N. Y. Filed May 21, 1926. Serial No. 110,631. 4 Claims. (Cl. 16—85.)

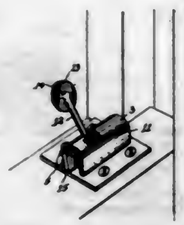
1. An anti-rattling device including a block having a bore therethrough provided with longitudinal grooves ter-

minating at a short distance from one end of the bore, a cup-shaped member slidably mounted within said bore and having flanges extending into said grooves, a spring



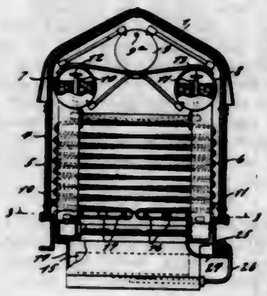
normally tending to hold said flanges at the ends of said grooves, and a removable member forming a stop for one end of the spring.

1,634,350. SASH FASTENER. GUY O. BRIGGS, Cleveland, Ohio. Filed Feb. 12, 1927. Serial No. 167,679. 7 Claims. (Cl. 292—60.)



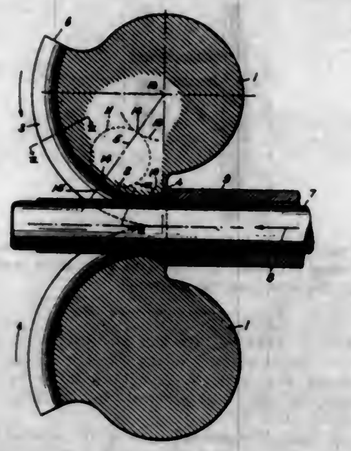
5. A window fastener comprising a movable body, an arm carried by the body, a spring acting upon the body to resist movement of the body in one direction and urge movement of the body in a direction at an angle to the first direction of movement of the body.

1,634,351. STEAM GENERATOR. GEORGE ALFRED BRYAN, Peru, Ind., assignor to Bryan Harvester Company, Inc., a Corporation of New Mexico. Filed Mar. 9, 1922. Serial No. 542,204. 6 Claims. (Cl. 122—356.)



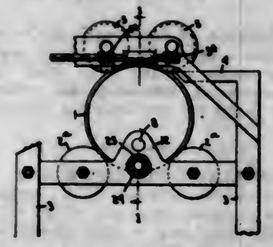
3. In a steam generator, a water circulating system including two base headers, two superposed steam separating drums, two sets of water tubes joining each header with its respective drum, the water tubes being bent upon themselves to run back and forth across the generator and having their lowermost bends shortened so as not to overlap, a steam superheating coil disposed in the said shortened bends of one set of water tubes, and a source of heat underneath the generator.

1,634,352. SWAGING MILL ROLL. SAMUEL E. DIESCHER, Pittsburgh, Pa. Filed Mar. 25, 1925. Serial No. 18,258. 4 Claims. (Cl. 80—14.)



1. A pair of rolls for swaging down a work piece fed longitudinally to them, each roll having a portion of its face provided with a working pass commencing with a swaging bell section and terminating with a uniform finishing section, the bell section being provided with a working surface variably curving toward the axis of rotation of the roll from the narrow to the wide end of the bell, and the velocity components parallel to the axis of the work piece being the same for all points of said working surface which simultaneously contact with the work piece.

1,634,353. IRONING MACHINE. WALTER A. FRANTZ, Cleveland, Ohio. Filed Mar. 11, 1922. Serial No. 542,885. 3 Claims. (Cl. 68—9.)



1. In an ironing machine, in combination, a frame, a pair of laterally spaced supporting rollers at each end thereof journaled upon parallel horizontal axes, an open ended smooth surfaced cylindrical metal drum resting on said rollers, a padded roller located above said drum and adapted to make frictional contact therewith, means for rotating said padded roller, and a fluid fuel burner carried by the frame and projecting into said drum.

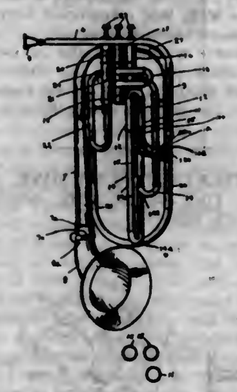
1,634,354. FUMIGATING APPARATUS. PAUL M. GROSS and ROBERT B. ARNOLD, Durham, N. C., assignors, by mesne assignments, to Tobacco By Products and Chemical Corporation, a Corporation of Delaware. Filed June 5, 1924. Serial No. 718,064. 3 Claims. (Cl. 43—127.)

3. A fumigating device for use with combustible preparations, comprising a closed container of non-combustible material, provided with outlet means for the gases of combustion restricted to a degree such that the gases will be discharged under pressure, the outlet means in the top of the container, a portion of said top about said outlet means depressed, a charge of the preparation in the container, a fuse extending through the outlet means



into contact with the charge and adapted to be received in the depression at its outer end, and a seal for the top of the container.

1,634,355. CONCERT HORN. JOHN HEALD, Springfield, Mass. Filed June 13, 1923. Serial No. 645,193. 4 Claims. (Cl. 84—393.)



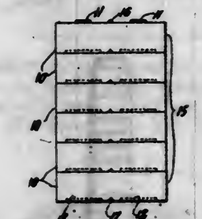
1. A musical horn comprising a mouthpiece, a bell, passages providing communication between the bell and mouthpiece and valves controlling said passages, the bell being located at one end of the instrument and the mouth-piece at the other end and the bell facing laterally of the axis of the instrument to permit the player to press the same against his side to mute the tones produced in playing the instrument.

1,634,356. METHOD OF MAKING ARCH BRICKS. RALEIGH J. HIMMELRIGHT, Englewood, N. J., assignor to American Arch Company, a Corporation of Delaware. Filed May 23, 1922. Serial No. 563,043. 1 Claim. (Cl. 25—157.)



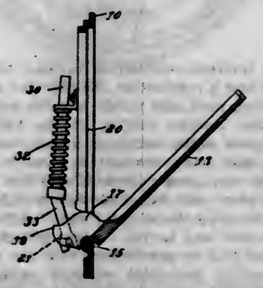
The herein described method of making arch bricks which consists in molding a plurality of units and in drying and burning them together to form a brick.

1,634,357. REFRACTORY BLOCK. RALEIGH J. HIMMELRIGHT, Englewood, N. J., assignor to American Arch Company, a Corporation of Delaware. Filed July 31, 1922. Serial No. 578,544. 6 Claims. (Cl. 72—38.)



1. A refractory block for furnace construction comprising a plurality of brick units having at their juxtaposed faces cooperating dowel means, and detachably united together over areas of said faces exclusive of said dowel means.

1,634,358. OVEN-DOOR MOUNTING. STANLEY H. HOBSON, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a Corporation of Illinois. Filed Sept. 5, 1925. Serial No. 54,649. 1 Claim. (Cl. 126—191.)

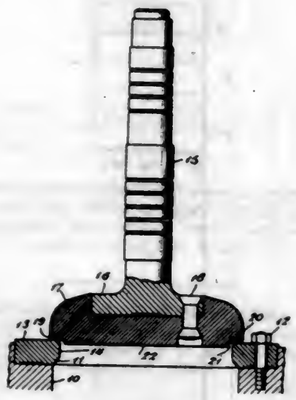


In a stove, a drop door for an oven compartment having means for differently counter-balancing the door in its different positions so that it is held closed under comparatively heavy pressure, is held open under comparatively light pressure, and is substantially balanced in an intermediate position, said counter-balancing means comprising a lever arm swinging with the door through a predetermined angularity, a counter-balancing spring to be distorted more and more as the arm swings in the opening of the door, and a plunger for transmitting the load thereof to said arm, said arm having a pivot point to provide a bearing for said plunger, the plunger having an offset end portion bearing on said pivot and having the other end portion arranged to place the spring under gradually increasing distortion in the movement of the door from closed to open position, the said pivot point being arranged to move in a predetermined arc in the swinging of the arm with the door to and from the closed position thereof, and moving the offset end portion of said plunger to vary the leverage of the spring offsetting the leverage of the door in such a way that the operations first above recited are secured substantially as and for the purposes described.

1,634,359. COATING COMPOSITION. CARL D. HOCKER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Dec. 13, 1923. Serial No. 680,343. Divided and this application filed July 6, 1925. Serial No. 41,880. 11 Claims. (Cl. 134—26.)

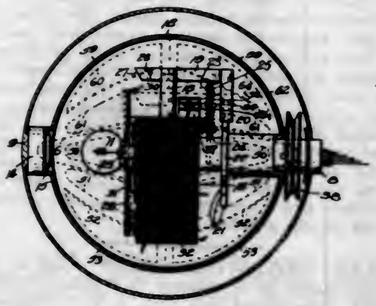
10. The process of producing a liquid coating composition which comprises heating tung oil with a smaller amount of glycerol, adding rosin oil thereto, and mixing therewith resin glyceride.

1,634,360. VALVE. FRIEDRICH HOFMANN, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a Corporation of Delaware. Filed May 28, 1926. Serial No. 112,201. 2 Claims. (Cl. 251—28.)



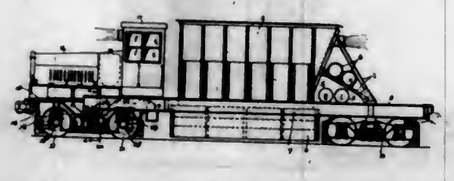
2. In an internal combustion turbine, the combination of a nozzle and a combustion chamber for explosive gases communicating with said nozzle, a valve seat including an annular plane sealing surface at the exit end of said nozzle, a nozzle valve including a body, an annular projection on said body having an annular plane sealing surface adapted to cooperate with said first named sealing surface to close said exit end, and a deflecting member projecting through the circular space defined by the annular projection and having a plane deflecting surface located beyond and in parallelism with the sealing surface of said annular projection whereby explosive gases as they pass through said exit end of the nozzle are deflected out of contact with the sealing surface of said valve in the open position of the valve.

1,634,361. VEHICLE TRAFFIC SIGNAL. WILLIAM B. HUSSAR, St. Louis, Mo. Filed Aug. 10, 1923. Serial No. 656,683. 7 Claims. (Cl. 177—329.)



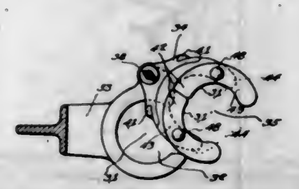
7. In a vehicle traffic signal, a hollow globe shaped casing having a front sight opening and a rear sight opening, a hollow globe shaped rotor having a plurality of "go" signal indicia, a plurality of "left turn" signal indicia, a plurality of "right turn" signal indicia and a plurality of "stop" signal indicia so that the signal indicia will be displayed to the front and to the rear of the case simultaneously, said latter indicia being alternately arranged and said rotor adapted to normally assume "go" position, manually actuated means for revolving the rotor from "go" position to either "left turn" or "right turn" signal position, manually controlled electrically actuated means for revolving the rotor to "stop" signal position from either "go", "left turn," or "right turn" signal position and means for returning the rotor from "stop" signal position to the signal position from which it was initiated.

1,634,362. SELF-PROPELLED RAIL CAR. JOHN P. IRWIN, Rocky River, Ohio, assignor to Arthur G. McKee & Company, Cleveland, Ohio, a Corporation of Delaware. Filed Oct. 13, 1924. Serial No. 743,242. 6 Claims. (Cl. 105—34.)



1. In a self-propelled rail car, the combination of a supporting truck; a drive truck; and a car having walls and main frame sills, said drive truck having an operating platform spaced endwise from said car walls and disposed for clearance within the sills on swiveling movement of said truck, an engine for driving said truck mounted on said platform, and control elements both for said engine and for the car proper likewise mounted on said platform.

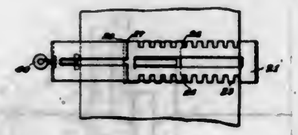
1,634,363. BOTTLE-CAPPING MACHINE. EDWARD JABS, Chicago, Ill. Filed July 14, 1926. Serial No. 122,425. 6 Claims. (Cl. 226—84.)



1. The combination with a capping machine which includes a capping element, means for operating said capping element, of means for holding a bottle and a cap thereon in position to be operated upon by said capping element, said means including a base plate pivotally associated with the capping machine, and supporting members pivotally supported by the base plate and operable upon engagement with a portion of the bottle for movement into supporting engagement with respect to the bottle.

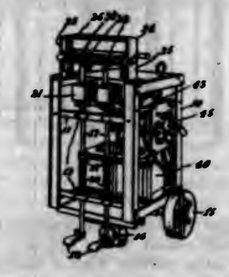
1,634,364. SHADE-ROLLER HOLDER AND CURTAIN-ROD BRACKET. KAZIMIERZ JAKUBIEC, Chicago, Ill. Filed July 15, 1926. Serial No. 122,571. 7 Claims. (Cl. 156—24.)

1. The device of the type described comprising a pair of plates, said plates being provided with coextensive slots, means upon one of the plates engaging in the slot in the second plate for pivotal and longitudinal sliding movement of the first plate in respect to the second plate, teeth upon the first plate, and means upon the second plate to



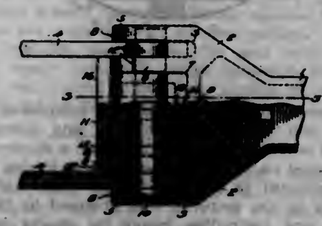
engage said teeth when the plates are placed in a certain position with respect to each other to hold the two plates in longitudinal adjusted position.

1,643,365. ELECTRIC FORGE. GEORGE A. E. JONES, New London, Conn. Filed Dec. 20, 1920. Serial No. 431,099. 3 Claims. (Cl. 219—11.)



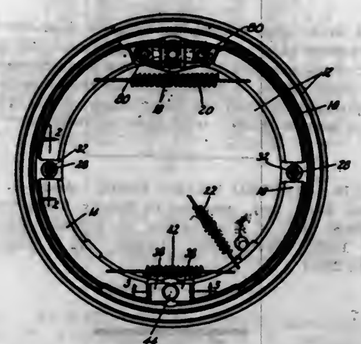
3. In a rivet heating machine, the combination with a frame, of a transformer mounted in said frame and having an open circuit secondary winding, flexible conductors forming the ends of said secondary winding, two spindles vertically slidable in said frame, an electrode at the upper end of each spindle and connected to the free end of one of said flexible conductors and having an upper plane horizontal rivet engaging face, a bridging conductor slidably mounted in a vertical direction on said frame above the upper ends of said electrodes and having a lower plane horizontal rivet engaging face, springs for normally maintaining said spindles and electrodes in raised position to clamp rivets between them and the bridging conductor, means for depressing said spindles to release the rivets anchored between said electrodes and said bridging conductor, and means for adjusting the position of said bridging conductor relative to said electrodes.

1,634,366. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md. Filed Feb. 4, 1926. Serial No. 86,022. 7 Claims. (Cl. 213—69.)



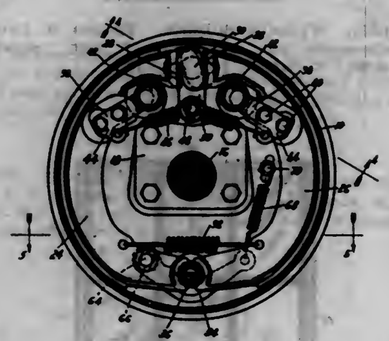
1. In a draft rigging, the combination with a yoke member provided with spaced arms, of a coupler pivotally connected to said yoke, means on said coupler for engaging the inner faces of said yoke arms, a block positioned between said arms, said block having a plurality of laterally spaced concentric bearing portions engaging said coupler, and means for pivotally connecting said block and coupler.

1,634,367. BRAKE. LUDGER ELIZE LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 12, 1925. Serial No. 49,737. 27 Claims. (Cl. 188—78.)



1. A brake comprising, in combination, a drum, a backing plate, shoes between the drum and backing plate, a floating joint between the shoes, and means floating with the joint and operable from outside the backing plate for expanding the joint to take up for wear in the shoes.

1,634,368. BRAKE. LUDGER ELIZE LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1926. Serial No. 80,396. 21 Claims. (Cl. 188—194.)



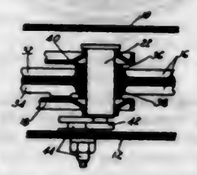
7. A brake comprising, in combination, a drum, a plurality of connected shoes shiftable with respect to the drum so that one shoe is anchored when the drum is turning in one direction and a different shoe is anchored when the drum is turning in the other direction, a support adjacent the shoes, a lever mounted on the support, means for rocking the lever when the shoes shift in either direction, and a spring tensioned by the rocking of the lever.

1,634,369. BRAKE SHOE. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1926. Serial No. 102,578. 20 Claims. (Cl. 188—250.)



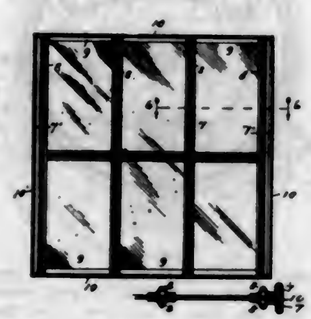
6. A brake shoe comprising separate members forming a cylindrical part and two stiffening parts, the two stiffening parts engaging each other for some distance from their inner edges to form a double-thickness web and then diverging toward the outer edges of the cylindrical part to form a trussed reinforcement therefor.

1,634,370. PIVOTED BRAKE SHOE. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1926. Serial No. 110,846. 22 Claims. (Cl. 188—250.)



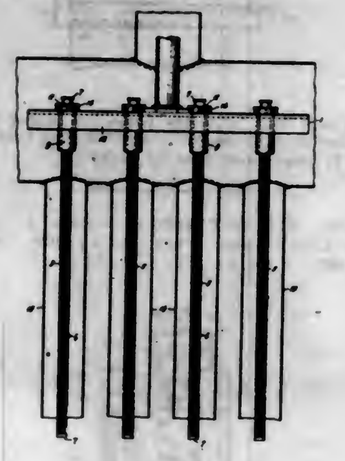
9. A brake shoe with a cylindrical friction part having at least at one point a web formed of two flanges integral with portions of the friction part and with the metal of the flanges displaced away from each other to form semi-spherical half-sockets facing each other.

1,634,371. WINDOW SCREEN. THOMAS B. LAYCOCK, Indianapolis, Ind. Filed June 7, 1926. Serial No. 114,091. 7 Claims. (Cl. 189—76.)



1. A frame for the purposes specified, in two equal entirely separable parts, the plane of separation being parallel with the outer and inner sides of the frame.

1,634,372. ELECTRODE. GEORGE R. LEWERS, Brooklyn, N. Y., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1922. Serial No. 593,690. 5 Claims. (Cl. 183—7.)



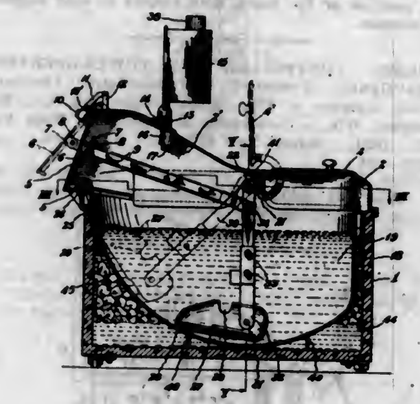
1. A discharge electrode for electrical precipitators comprising a tube closed at its opposite ends and provided upon its outer surface with a multiplicity of relatively fine serrations, each of which is continuous in the direction of the tube, and the discharge apex of each of which is in such close parallel relation to the discharge apices of its neighbors as, in effect, to come within the range of influence thereof, whereby concentrated discharges tending to form disruptive arcs are prevented, said tube having an empty axial bore, and means whereby said electrode is freely suspended.

1,634,373. ELECTRIC THERAPEUTIC DEVICE. ROBERT C. MANN, St. Louis, Mo., assignor of one-half to Peter B. Behr, St. Louis, Mo. Filed Nov. 26, 1924. Serial No. 752,441. 3 Claims. (Cl. 174—89.)



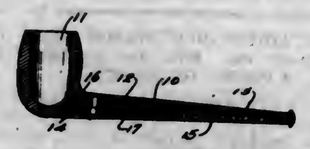
1. A device of the class described comprising a casing, annular coil windings mounted in said casing, a core mounted in said annular coil windings, a diaphragm member mounted on one end of said casing having an armature positioned in axial alinement with said coil for operation by the magnetic field produced by the electromagnet, and controlling means for closing an electric circuit with a source of alternating current to energize said winding operable for producing within the human body eddy currents due to an alternating magnetic field, and for effecting vibration of said diaphragm.

1,634,374. LIQUID-DISPENSING APPARATUS. CHARLES R. MCDONALD and ALBERT E. BEVAN, Akron, Ohio. Filed Aug. 31, 1925. Serial No. 53,450. 6 Claims. (Cl. 221—97.)



1. In liquid-dispensing apparatus, the combination of a liquid receptacle formed with a discharge opening; a movable door for said opening; a bucket; a movable support for said bucket; a link pivotally connected to said support and pivotally connected to said door; means for tilting the bucket to discharge through said opening; and means for actuating said bucket support to lift the bucket into juxtaposition with said tilting means and to open the discharge-opening door.

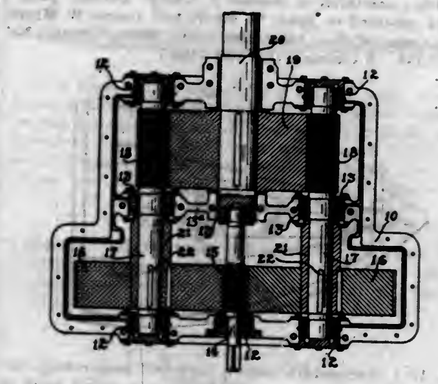
1,634,375. TOBACCO PIPE. THOMAS COST MASNEY, Boston, Mass. Filed Sept. 26, 1925. Serial No. 58,790. 3 Claims. (Cl. 131—12.)



3. A tobacco pipe having a transversely extending bore formed in the stem thereof, longitudinal bores formed in the said stem and connecting with the said transverse bore, a sleeve mounted in the lower portion of the said transverse bore, a cover plate hingedly mounted on the lower extremity of the said sleeve, a packing ring positioned about the lower edge of the cover plate, a spring member secured to the said hinge adapted to normally retain the cover plate in an open position, a locking lever rotatably mounted in the said cover plate adapted to engage a suitable recess formed in the said stem, and a cap secured to the lower portion of the said locking lever for readily rotating the same.

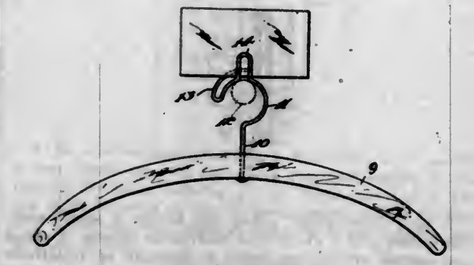
1,634,376. POWER-TRANSMISSION UNIT. FERDINAND MILLER, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed May 18, 1925. Serial No. 30,993. 5 Claims. (Cl. 74—7.)

1. A power transmission unit comprising in combination, a casing, a driving shaft, an intermediate shaft, a driven shaft, intermeshing gears on said shafts, and a sleeve keyed at one end to said intermediate shaft and



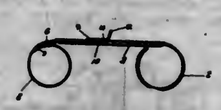
to one of said gears and closely surrounding a portion thereof whereby said shaft is strengthened against bending while permitting maximum torsional displacement.

1,634,377. HANGER. ADOLPH MONTAN, Montclair, and HENRY W. FALSTROM, Newark, N. J., assignors to Eastern Tool & Mfg. Company, Bloomfield, N. J. Filed Nov. 28, 1925. Serial No. 71,878. 3 Claims. (Cl. 223—61.)



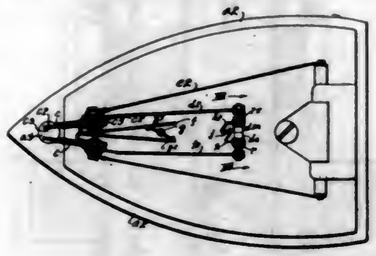
1. A hanger comprising a holder and a wire hook by which the holder is suspended, the hook having a portion thereof bent to form a card holding clip outside the circumference of the suspending part of the hook.

1,634,378. RING GAUGE. SIDNEY O. MOUNTFORD, Newark, N. J., assignor to Mountford Bros., Newark, N. J. Filed Mar. 25, 1926. Serial No. 97,178. 8 Claims. (Cl. 33—179.)



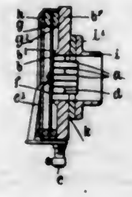
8. A ring gauge comprising; a frame having a channel shaped guideway and a support portion at one end having an opening registering with the guideway, a flexible member circularly formed and having one end fastened to said support portion and its free end passing through said opening into the guideway closely adjacent said fastened end, a hand operated member slidably carried on the frame and attached to the free end of said flexible member for the purpose described.

1,634,379. THERMOSTATIC APPARATUS. JOSEPH W. MYERS, Jackson, Mich., assignor, by direct and mesne assignments, of one-third to Joseph H. Myers, Jackson, Mich.; one-third to Arthur J. Tuttle, Detroit, Mich.; and one-third to Agnes W. Myers and Joseph W. Myers, Jackson, Mich. Filed Dec. 20, 1923. Serial No. 681,751. 6 Claims. (Cl. 200—138.)



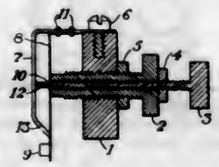
1. In a thermostatic switch with two cooperating electrical contacts, two mutually opposing resilient arms in cooperative relation to each other and said contacts, means permanently connected to each of said arms and acting between said arms to control the motion thereof and accelerate the same adjacent to the contact position.

1,634,380. SOUND BOX FOR GRAMOPHONES AND SIMILAR INSTRUMENTS. WILLIAM EDWIN NAYLER, London, England. Filed Apr. 18, 1923, Serial No. 632,935, and in Great Britain Apr. 21, 1922. 4 Claims. (Cl. 274—27.)



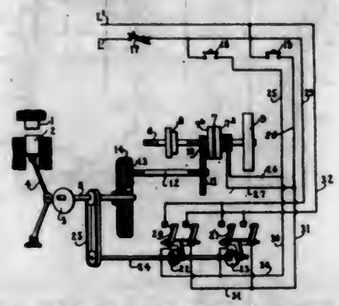
1. In a gramophone sound box having a sound emitting orifice and a diaphragm contiguous thereto, a sound propagation device comprising a plurality of sensitively suspended short thin tubes of graduated diametral measurement arranged concentrically the one within the other and supported in spaced concentric relationship by suspending filaments of fine wire, the structure so constituted being suspended from the wall of the said sound emitting orifice by similar filaments of fine wire.

1,634,381. MEANS FOR ADJUSTING ELECTRICAL CONTACTS. LEWIS L. NETTLETON, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 21, 1926. Serial No. 143,217. 2 Claims. (Cl. 200—170.)



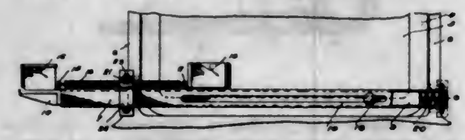
1. In combination, a supporting member, a relatively stiff spring attached to said member, a relatively flexible contact finger attached to said spring, a screw passing through said member and co-acting with said finger to adjust the pressure of the finger against said spring, and a second screw passing through a longitudinal threaded hole in said first screw and through a hole in said finger and co-acting with said spring to adjust the normal position of the finger with respect to said supporting member.

1,634,382. CONTROLLER FOR POWER-OPERATED MACHINES. FREDERICK H. OBERSCHMIDT, Cleveland, Ohio, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 25, 1921. Serial No. 517,776. 9 Claims. (Cl. 192—131.)



4. The combination with a driven machine, of an electromagnetic clutch for transmitting power thereto, safety control means for said machine including a plurality of manually controlled switches biased to open position and adapted while closed simultaneously to establish and maintain an energizing circuit for said clutch, means actuated by said machine for establishing an energizing circuit for said clutch independently of said switches, said means being adapted to establish said independent circuit following initiation of the cycle of operation of said machine and to interrupt the same upon completion of said cycle, and means for varying the time of establishment of said independent energizing circuit with respect to said cycle of operation.

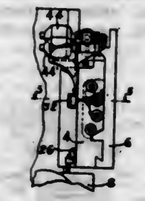
1,634,383. ADJUSTABLE MIRROR. JOHN J. OBRIEN, Palm Beach, Fla. Filed Apr. 10, 1926. Serial No. 101,082. 4 Claims. (Cl. 88—67.)



1. A mirror construction for vehicles comprising a driver's mirror disposed in front of the driver's seat in a diagonal position with respect to the direction of travel of the vehicle, a double mirror, means for normally supporting the double mirror at the side of the vehicle and in line with the driver's mirror to reflect objects upon the driver's mirror from both the front and rear surfaces of the double mirror, means for projecting the double mirror outwardly beyond its normal position to broaden the field of vision through the mirrors, and retracting means for the double mirror to return the same to normal position when said projecting means is released.

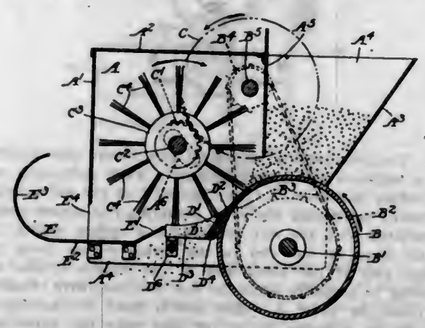
1,634,384. MACHINE TOOL. CLIFFORD F. RANDOLPH, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 31, 1924. Serial No. 703,199. 9 Claims. (Cl. 90—49.)

1. In a machine tool, the combination of a horizontal rail, a tool supporting saddle slidable thereon, screw threaded means on the saddle for clamping the saddle to the rail, power operated means including a rotary shaft



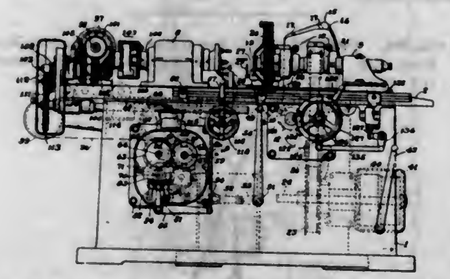
on the rail for rotating the screw threaded means in either direction to clamp and unclamp the saddle, and means supported by the rail for controlling the motor.

1,634,385. SAND SEPARATOR. AXEL G. J. RAPP, Chicago, Ill. Filed Mar. 15, 1926. Serial No. 94,708. 15 Claims. (Cl. 83—11.)



1. A material separating mechanism including a beating member, feeding means for feeding the material to be separated into the path of movement of such beater, and separating means, positioned in the line of discharge of the material delivered by such beating member, adapted to separate out the oversize and discharge means, adapted to permit the discharge from the beating zone of such oversize material.

1,634,386. DRIVING CONNECTION. CARL SCHRAMM, West Hartford, and PAUL F. VOKAL, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 4, 1924. Serial No. 717,794. 15 Claims. (Cl. 51—95.)



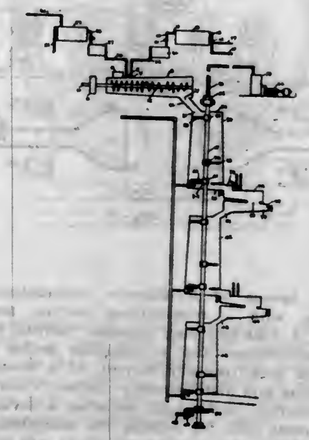
1. In a machine, the combination with a lead screw, a spindle, and a train of gears for rotating said spindle and the lead screw in a forward and in a reverse direction, of means for so connecting the spindle to the train of gearing as to insure a limited rotation of the lead screw prior to the rotation of the spindle upon change in the operation of the gearing to change the direction of rotation of the lead screw and the spindle.

1,634,387. RAZOR-BLADE HOLDER. ROBERT J. STAPP, Northfield, Minn. Filed May 22, 1926. Serial No. 110,924. 6 Claims. (Cl. 30—25.)



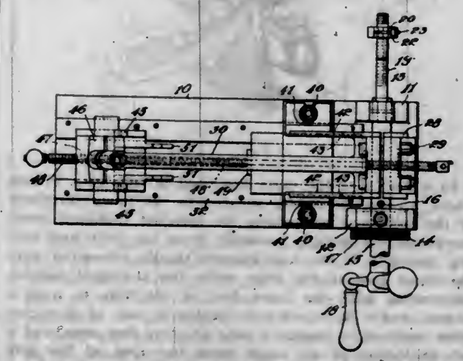
1. A blade holder comprising a longitudinally extended member having clamping arms at its opposite ends projecting inwardly toward each other, and a single sleeve mounted upon and about said member and freely movable in opposite directions thereon to slide over and clamp both or either of said arms to said member.

1,634,388. PLANT FOR BLEACHING AND LIKE PURPOSES. CARL BUSCH THORNE, Hawkesbury, Ontario, Canada. Filed Dec. 13, 1924. Serial No. 755,691. 12 Claims. (Cl. 8—2.)



3. In a bleaching apparatus, a bleaching tower having a permanent inlet at the upper end and having a contracted discharge opening at the lower end and a hollow shaft forming an air chamber and extending through said upper end and through said discharge opening and suitably driven.

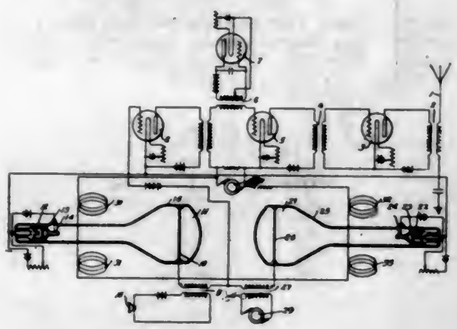
1,634,389. MACHINE FOR BORING THE BEARINGS OF CONNECTING RODS. ALBERT H. WADELL, Newark, N. J. Filed Dec. 15, 1925. Serial No. 75,506. 5 Claims. (Cl. 77—62.)



1. A boring machine comprising a base, a boring device in the base, a stop in the base, a support slidable on the base and limited in one direction by engagement

with the stop, a second support, means abutting on the first support and for moving the second support, the supports being adapted to engage the bearings on the ends of a connecting rod and thus support the connecting rod in place for boring, the connecting rod thus limiting the outward movement of the second support.

1,634,390. WIRELESS TRANSMITTING SYSTEM. VLADIMIR K. ZWORYKIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 17, 1924. Serial No. 699,629. 20 Claims. (Cl. 250—6.)



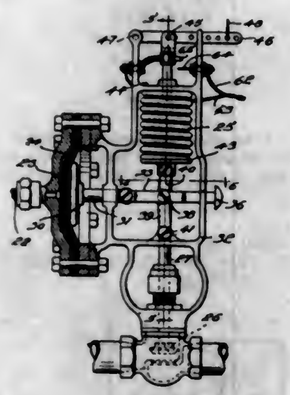
1. In a system of intelligence communication, the combination with a transmitting station, means for generating a high-frequency current thereat to create etheric disturbances, and a signalling device for controlling said high-frequency current, of a second device for controlling said high-frequency current, a source of alternating current, and means including a device having a space-current path for causing the controlling devices to become effective in turn in response to said alternating current.

1,634,391. AUTOMOBILE JACK. JAMES TOWNSEND AMISS, Baton Rouge, La. Filed Feb. 6, 1925. Serial No. 7,367. 1 Claim. (Cl. 254—94.)



In a device of the class described, a felly of a vehicle wheel, an anchor rigidly secured to the inner periphery of the felly and comprising an inverted U-shaped member projecting radially inwardly from the felly and having the ends of the legs thereof rigidly connected with the inner face of the felly, with the U-shaped member cooperating with the inner face of the felly to form a socket, and a V-shaped jack having a pair of diverging arms adapted to engage a road at their free ends, and a lub projecting at an angle from the apex of the jack and integral therewith and adapted to be received between the U-shaped member and the inner face of the felly.

1,634,392. AUTOMATIC ALARM AND SHUT-OFF FOR STEAM BOILERS. JOSEPH M. BARRETT, Fostoria, Ohio, assignor to The "S-C" Regulator Manufacturing Company, Fostoria, Ohio, a Corporation of Ohio. Filed Feb. 27, 1922. Serial No. 539,790. 2 Claims. (Cl. 137—139.)



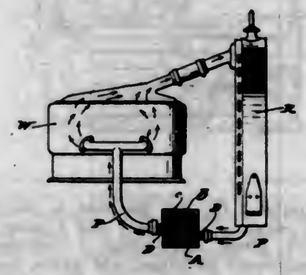
1. The combination of a fluid fuel intake pipe leading to a boiler, a valve in said pipe a valve actuating rod extending therefrom, a frame mounted on the valve longitudinally embracing the valve actuating rod, alarm means associated wtih the rod and frame, a spring within the frame fixed at one end to the frame remote from the valve, and at the other end to the middle of the rod tending to normally force the rod into the valve chamber to close the valve, a toggle loosely fixed at one end to the frame opposite the spring and near the valve and at the other end to the rod adjacent the connection of the rod and spring with the three toggle pivot points but slightly out of alignment with the rod, a lever extending transversely of the frame being limited in travel within the frame and adapted to be manually operated exteriorly of the frame and loosely connected to the middle pivot of the toggle at its mid-point and connected to a second rod at the other end, a diaphragm associated with the second rod supported at the side of the frame, a pressure chamber enclosed on one side by the diaphragm, so that the diaphragm reacts on the second rod thence on the middle toggle pivot throwing the toggle past center allowing the spring to force the first rod into the valve chamber thereby closing the valve and actuating the alarm means.

1,634,393. PROPELLER. JOHN BARTON, Matador, Tex. Filed Feb. 10, 1926. Serial No. 87,347. 2 Claims. (Cl. 170—173.)



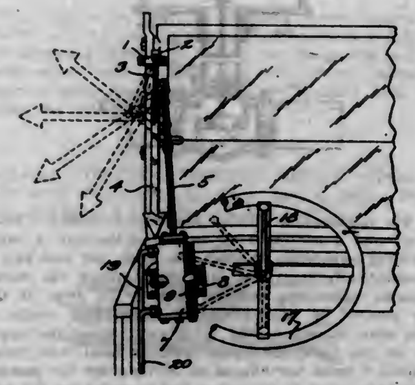
1. In a propeller comprising a hub, a flange formed thereon adjacent the inner end thereof, a pair of substantially semicircular blades, each blade being provided with an opening to permit the blades to be disposed on the hub, one of the blades being provided with a slot which extends inwardly of the straight edge thereof, to accommodate the adjacent straight edge portion of the other blade whereby the blades are disposed in intersecting relation, a ring slidable on the outer end portion of the hub and adapted for engagement with the intermediate portions of said blades, bolts extending through the flange and the ring as well as through the central portions of the intersecting blades, the central portions of the blades being secured in abutting relation, the outer ends of the blades being curved in opposite directions.

1,634,394. METHOD OF AND DEVICE FOR PREVENTING FREEZING OF MOTOR-COOLING SYSTEMS. HENRY R. BERNARD, New York, N. Y. Filed Aug. 26, 1922. Serial No. 584,576. Renewed Oct. 28, 1926. 7 Claims. (Cl. 123—174.)



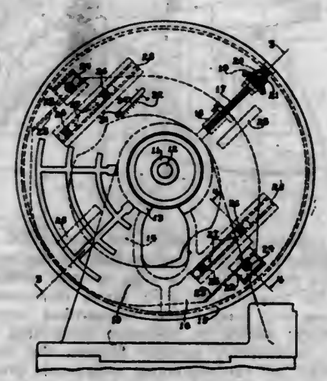
5. The hereindescribed method which consists in causing the cooling fluid in the cooling system of an engine to flow about an enclosed body of a normally crystalline material, while the engine is operating, for the purpose of utilizing the heat in said fluid to decrystallize said material, and utilizing the heat given off by the material during its return to crystalline form, after the engine has ceased to operate to retard the cooling of the said fluid and maintain a circulating thereof.

1,634,395. TRAFFIC SIGNAL. LOWELL C. BROWNING, Long Beach, Calif. Filed Oct. 18, 1926. Serial No. 142,397. 4 Claims. (Cl. 116—39.)



1. A signal for a vehicle comprising a hanger pivotally connected with a part of the vehicle, a signal arm pivotally connected with the lower end of the hanger adjacent the inner end of the arm and means connected with the inner end of the arm for moving the arm upwardly from a vertical depending position.

1,634,396. COUNTERBALANCE FOR LATHES. LYNDON C. COLE, Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 13, 1925. Serial No. 50,064. 8 Claims. (Cl. 82—40.)



1. Counterbalancing means for lathes comprising in combination, a face plate, a single counterweight surrounding the axis of rotation of said face plate, and unitary means permitting adjustment of said counterweight to vary its position from neutral to a position having maximum counterbalancing effect.

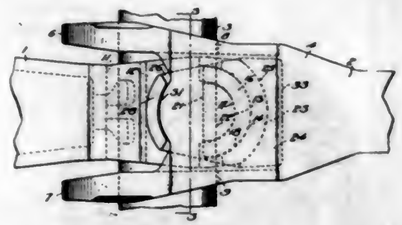
1,634,397. SHOE AND METHOD OF MANUFACTURE. LARRY L. COMEAU, Bradford, Mass. Filed Apr. 23, 1926. Serial No. 104,133. 5 Claims. (Cl. 12—142.)



1. In a process of shoe manufacture, the steps of applying a heel-and-shank-piece to the heel and shank portion of a last, applying a half-inner-sole to the forepart of the last, disposing the rear end of said half-inner-sole in overlapping relation with the front end of said heel-and-shank-piece, applying an upper having an inturned edge to the last and engaging said edge with said heel-and-shank-piece and said half-inner-sole, applying an outer sole and securing it against accidental

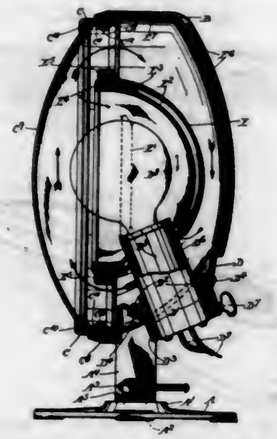
displacement, removing the assembled parts from the last, and stitching at one operation through the outer sole, through the inturned edge of the upper, through the heel-and-shank-piece and through the half inner-sole.

1,634,398. DRAFT RIGGING. GLENN F. COUCH, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Feb. 7, 1925. Serial No. 7,622. 14 Claims. (Cl. 213—72.)



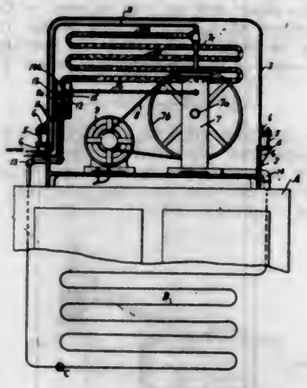
1. In a railway draft rigging, the combination with a coupler having a curved bearing face on the rear end thereof, of a yoke, means extending through said coupler and yoke for transmitting draft forces therebetween, a shim between said coupler and transmitting means permitting pivotal motion therebetween, cushioning mechanism, and an auxiliary member between the rear end of the coupler and the cushioning mechanism, presenting a flat face to the cushioning mechanism and a curved cooperating bearing face to the bearing face on the coupler.

1,634,399. ELECTRIC-LIGHT HOUSING. CHARLES W. DAKE, Chicago, Ill. Filed Oct. 27, 1924. Serial No. 745,949. 11 Claims. (Cl. 240—41.)



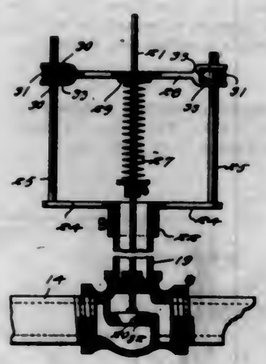
1. An electric light case comprising an hermetically sealed housing, a reflector support mounted in and out of contact with the walls thereof, a reflector carried by but spaced from the support to provide a dead air space, an electric light source in the housing and means for cooling the wall of the housing behind the reflector support, a support for the electric light source projecting inwardly through the reflector and the reflector support, and adjustably mounted in the wall of the housing.

1,634,400. REFRIGERATING APPARATUS. RANSOM W. DAVENPORT, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 13, 1925. Serial No. 49,913. 12 Claims. (Cl. 62—116.)



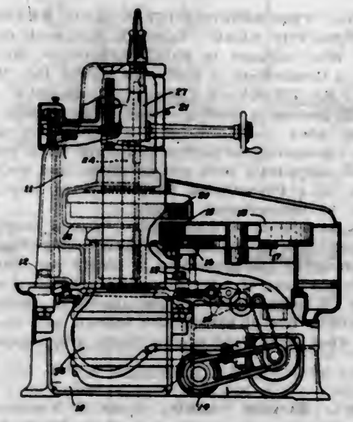
1. In apparatus of the type described, in combination, a fluid tight casing, a compressor and a prime mover therefor sealed within said casing, a condenser into which said compressor discharges, and means connecting the interior of said casing to the discharge of said condenser.

1,634,401. TEMPERATURE REGULATOR FOR INCUBATORS. JOSEPH L. DAVIS, Abingdon, Ill. Filed Aug. 5, 1926. Serial No. 127,380. 4 Claims. (Cl. 236—4.)



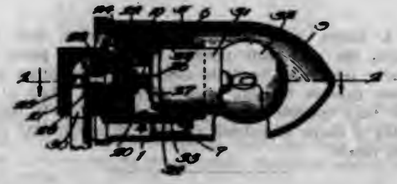
1. The combination with an incubator including a heating coil and a heating tank supplying the coil, a valve controlling circulation through the tank and coil and a thermostatically controlled lever for shifting the valve, a member embodying rods paralleling the stem of the valve secured in fixed relation to the valve casing, a spring seat secured to the valve stem below the upper ends of the rods, the upper ends of said rods being threaded, a cross bar having an opening for the passage of the valve stem at its center and openings for the passage of the rods at its ends, a spring extending between the valve seat and cross bar and surrounding the valve stem and nuts upon the upper ends of the rods for shifting the cross bar toward said spring seat.

1,634,402. WHEEL HEAD FOR MACHINE TOOLS. JOHN A. DOANE, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 2, 1923. Serial No. 672,397. 4 Claims. (Cl. 51—131.)



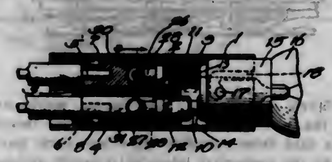
1. A machine tool comprising in combination, a frame, a work support, a rotatable cutting wheel, a wheel head for slidably supporting and guiding said wheel, said head comprising upper and lower portions each having guides cooperating with corresponding guide ways provided on the machine tool frame whereby the wheel head is rigidly but slidably supported on said frame at widely spaced portions.

1,634,403. COWL LAMP. HARRY A. DOUGLAS, Bronson, Mich. Filed Jan. 27, 1921. Serial No. 440,485. 1 Claim. (Cl. 173—328.)



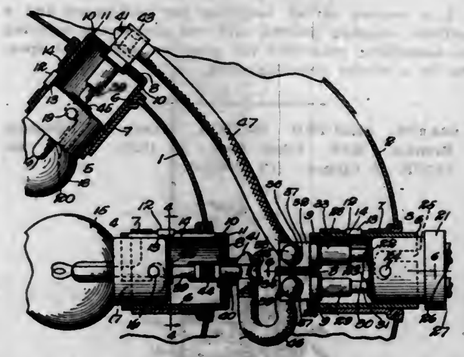
The combination with a mounting sleeve having an annular wall at one end; of a holding sleeve housed by said mounting sleeve and having two flanges by and between which said annular end wall of the mounting sleeve is held; and a shell separably coupled with and within the holding sleeve.

1,634,404. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed Apr. 4, 1921. Serial No. 458,555. 6 Claims. (Cl. 173—346.)



1. In an electric connector, a shell, a circuit continuing plug movably mounted in the shell, a plug operating handle detachably interfitting with said plug and extending through and movable in a slot in the shell, and means on the handle directly coacting with the shell in both on and off positions of the plug to hold the handle against disengagement from the plug.

1,634,405. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Original application filed Dec. 30, 1919, Serial No. 348,416. Divided and this application filed May 23, 1921. Serial No. 471,951. 4 Claims. (Cl. 173—328.)



1. A circuit continuing device including a shell; a contact; a carrier for the contact surrounded by the shell and having an extension projecting outwardly beyond the main bore of the shell, the shell having seat and lip formations between and by which said contact carrier is engaged to prevent movement thereof endwise of the shell, the shell being notched by the side of said formations to receive said extension to prevent rotation of the carrier; and a rib held between said formations upon the shell and in holding engagement with said contact to prevent said contact from turning.

1,634,406. TERMINAL CONNECTER. HARRY A. DOUGLAS, Bronson, Mich. Filed Apr. 28, 1924. Serial No. 709,569. 1 Claim. (Cl. 173—324.)



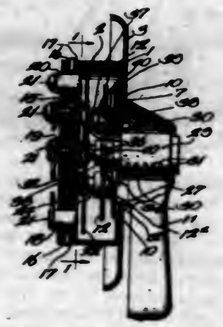
In a terminal connecter, a carrier member having a bore, a contact member including a wire receiving portion adapted to be engaged within the bore in said carrier member, said wire receiving portion having a wire receiving opening formed transversely therethrough intermediate its ends, and further having a pair of wire receiving recesses formed in opposite sides thereof, respectively, said recesses opening into said transverse opening at their inner ends and extending respectively in opposite directions longitudinally of said wire receiving portion from said transverse opening thereby to provide in conjunction with said transverse opening a wire receiving passage of sinuous shape, the material of said wire receiving portion transversely opposite each of said recesses being extended transversely of said wire receiving portion beyond the base of the recess adjacent thereto for contact with the wall of the bore in said carrier member to prevent tilting movement of the contact member within said bore.

1,634,407. CONTACT CARRIER. HARRY A. DOUGLAS, Bronson, Mich. Filed Aug. 14, 1925. Serial No. 50,263. 10 Claims. (Cl. 173—328.)



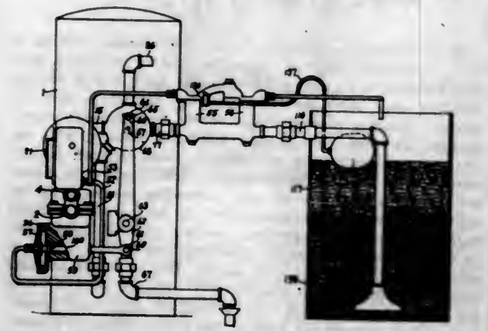
1. A contact carrier including two end plates and a resilient coupling uniting said end plates and carrying an assembling projection for reception within an opening in a carrier receiving shell.

1,634,408. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed Sept. 3, 1925. Serial No. 54,279. 2 Claims. (Cl. 200—6.)



1. An electric switch including two contact carriers carrying complemental contacts; a contact actuator of sheet metal for moving one of said contact carriers, said contact actuator having a cup formation; a cup of insulating material received in said cup formation; a spring barrel upon the last mentioned contact carrier and in engagement with and within said cup of insulation; a plunger projecting from said spring barrel and engageable with the bottom or end wall of the cup of insulation; and a spring in the spring barrel pressing said plunger against said cup end wall.

1,634,409. WATER SOFTENER. CHARLES P. EISENHAUER, Dayton, Ohio, assignor to The Duro Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 12, 1925. Serial No. 61,997. 11 Claims. (Cl. 210—24.)



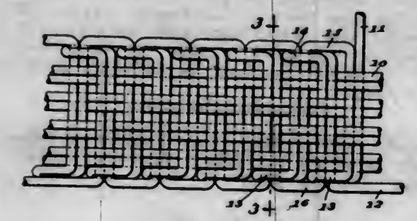
1. In a water softening apparatus, means for controlling the operation thereof depending upon the quantity of water passing therethrough, valve means controlled thereby adapted to change the direction of water passing through the softener and to apply brine to the softening material therein, and to by-pass a portion of the hard water direct to service.

1,634,410. PROCESSED CHEESE AND METHOD OF MAKING THE SAME. ELMER E. ELDREDGE, Oconomowoc, Wis., assignor to Pabst Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 19, 1924. Serial No. 727,058. 6 Claims. (Cl. 99—11.)

1. The process of making cheese which consists in neutralizing whey, concentrating the neutralized whey to form a concentrate of pasty consistency when cold, mixing this concentrate with ground cheese and heating the mixture to a Pasteurising temperature to form a food product of homogeneous texture.

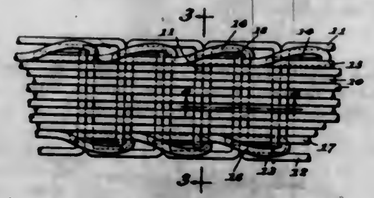
6. As an article of manufacture, a food product consisting of cured cheese and neutralized whey concentrate in substantially the proportion of ninety per cent cheese and ten per cent of whey concentrate forming a cheese product of homogeneous texture, the cured cheese being substantially free of putrefactive bacteria and the lactose of the whey being fixed against lactic acid fermentation.

1,634,411. WOVEN FABRIC. JOHN E. FEPEL, Bridgeport, Conn., assignor of one-half to Frank J. Hoey, New York, N. Y. Filed Mar. 25, 1926. Serial No. 97,230. 8 Claims. (Cl. 139—383.)



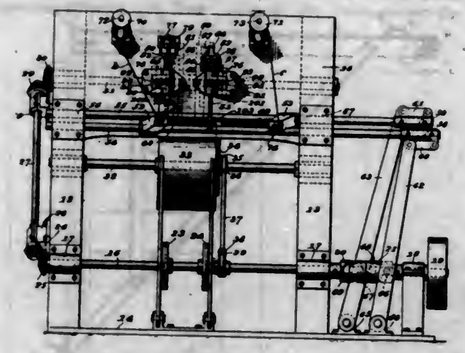
1. A fabric comprising interwoven warp and weft threads, the said weft threads occurring in pairs successively laid from opposite sides, the succeeding pairs of weft threads forming loops on opposite edges of the fabric that encircle the adjacent pairs of weft threads forming a chain of knitted stitches along opposite edges of the fabric.

1,634,412. WOVEN FABRIC. JOHN E. FEPEL, Bridgeport, Conn., assignor of one-half to Frank J. Hoey, New York, N. Y. Filed Mar. 29, 1926. Serial No. 98,066. 7 Claims. (Cl. 139—383.)



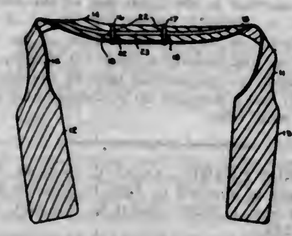
1. A fabric comprising interwoven warp and weft threads, the weft threads comprising two threads symmetrically laid from opposite sides and each having loop portions at the respective edges alternately arranged with respect to the other weft thread, and selvedge threads having looped portions passing through said loop portions of said weft threads at each edge and embracing the successive other weft thread at the same edge.

1,634,413. FABRIC-WEAVING MACHINE. JOHN E. FEPEL, Bridgeport, Conn., assignor of one-half to Frank J. Hoey, New York, N. Y. Filed May 21, 1926. Serial No. 110,619. 16 Claims. (Cl. 139—124.)



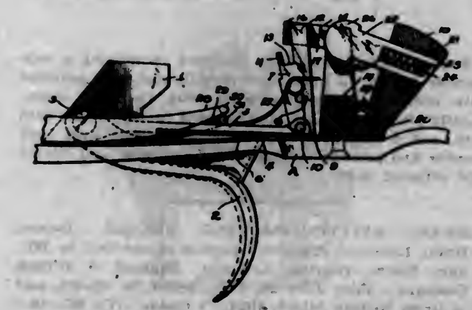
1. In a fabric weaving machine, warp feeding means, weft feeding means including a weft carrying element adapted to be projected between sheds of the warp, and looper means adapted to produce loops in a thread through which the weft thread carried by said element is passed.

1,634,414. ADJUSTABLE NECKTIE. SOLOMON FINE and HARRY DWORKIN, Montreal, Quebec, Canada. Filed June 23, 1926. Serial No. 118,022. 1 Claim. (Cl. 2—155.)



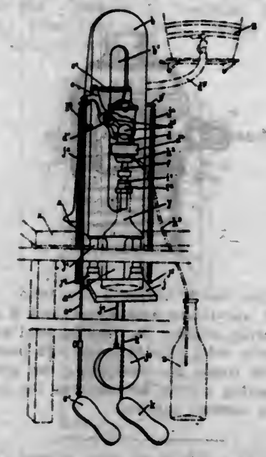
In an adjustable necktie, two tie pieces each having an adjusting and clamping member formed of a depressed holding cross bar terminating at each end into inturned sewing bases extending transversely therefrom and having sewing holes.

1,634,415. SINGLE-TRIGGER MECHANISM FOR MULTIPLE-BARRELED GUNS. DOUGLAS W. FRANCHOT, Tulsa, Okla. Filed Aug. 13, 1926. Serial No. 129,049. 20 Claims. (Cl. 42—42.)



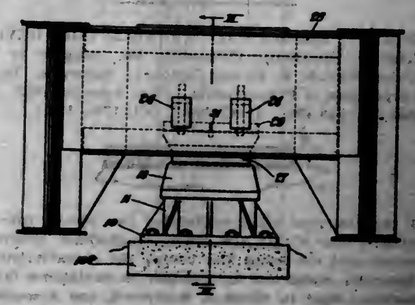
1. In a single finger trigger firing mechanism for multiple barreled guns comprising, hammer-holding sears, a finger trigger, a sear lifter, an independently movable fire control means operatively engaged by the trigger and co-operating with said sear lifter for automatically controlling the operation of said sear lifter relative to said sears.

1,634,416. BOTTLE-FILLING APPARATUS. ALFRED JEAN GALLAND, Paris, France. Filed June 2, 1925, Serial No. 34,457, and in France July 9, 1924. 3 Claims. (Cl. 226—126.)



1. An apparatus for filling bottles, flagons and similar containers, comprising a support for the container, a liquid supply cock with control lever, a filling tube with a lower aperture, a sealing member for the container and an air escape passage with a lower aperture, a spring device whereby the container-support is normally brought towards the filling tube, the lower aperture to the air escape passage being arranged adjacent to the lower aperture of the filling tube and at the same level as the second said lower aperture, the sealing member for the container being adjustable in position along the said filling tube, means for locking said sealing member in the desired position upon said tube, a contact member, and means for adjustably connecting said member to the support, the said contact member being adjusted so as to lock the control-lever for the cock in its closed position, when the support is in its position nearest to the filling tube and to release the said lever when the support is moved away into the filling position.

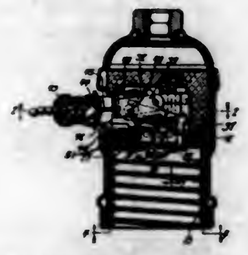
1,634,417. TURNTABLE CENTER. CHAUNCEY MARSH GOODRICH, Windsor, Ontario, Canada. Filed Dec. 23, 1926, Serial No. 156,687, and in Canada Apr. 2, 1925. 8 Claims. (Cl. 104—46.)



2. A turntable structure, including a top casting recessed in a middle casting engaging therewith in such a manner as to permit a small rotation of the top casting

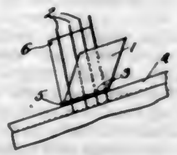
about an axis transverse to the main girders, but preventing rotation of the top casting and the turntable as a whole about an axis parallel to the main girders.

1,634,418. LAMP-SOCKET SWITCH. DAVID D. GORDON, Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Filed Apr. 14, 1921. Serial No. 461,227. 1 Claim. (Cl. 173—354.)



In an electric switch having a box frame, a U-shaped arm pivotally straddling said frame and a reciprocable floating operating member for moving said arm movable between opposite sides of said frame; an insulating yoke embracing said frame and insulating the arm from the frame, and having a stop for limiting the movement of said operating member thereon.

1,634,419. IDENTIFICATION DEVICE. JOHN GRIESINGER, Los Angeles, Calif. Filed Nov. 27, 1925. Serial No. 71,695. 2 Claims. (Cl. 40—20.)



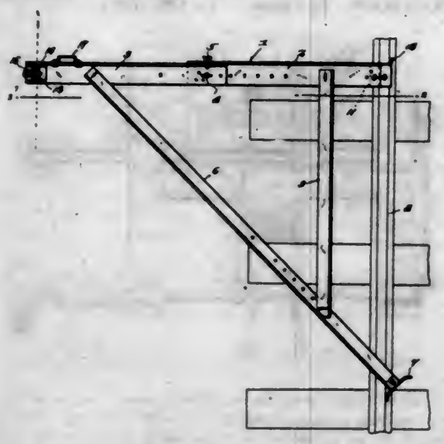
1. An identifying device for articles of fabric, comprising in combination with such fabric, a strip of suitable material having identifying marks thereon and perforations intermediate the ends thereof, and means for attaching said strip to such fabric including threads passing through the edge of and into said fabric in the plane thereof, said threads being interlocked with said fabric and extending through the perforations in said strip, and said strip being bent upon itself to form contacting parallel plane surfaces with the threads interposed and extended beyond said contacting surfaces, the contacting surfaces of said strip with the interposed threads being interlocked.

1,634,420. ELECTRICAL TRANSLATING DEVICE. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 29, 1923. Serial No. 648,458. 11 Claims. (Cl. 179—171.)



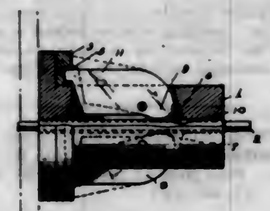
1. An electrical relay comprising two spaced tube-like electrodes one within the other, a substance interposed between said electrodes and having the characteristic of varying its resistance in response to variations in the amount of light to which it is exposed, and a source of light located within the inner electrode, the inner electrode being capable of retaining said substance and transmitting light to it.

1,634,421. SOD-LINE MARKER. ARNOLD HEDRICK, Latham, Kans. Filed Apr. 7, 1926. Serial No. 100,355. 1 Claim. (Cl. 97—230.)



In a line marker of the class described, a supporting and carrying frame comprising a main bar composed of adjustably connected angle irons, this bar being adapted to be extended at right angles to the rail, a diagonal angle iron connected at its outer end to the outer end portion of the main bar, a connecting brace between said angle bars disposed in parallelism to the rail, a curved drag shoe connected to the inner end of the diagonal bar and adapted to slidably contact the head of the rail, brackets attached to the top and bottom of the inner end of the main bar and forming a guide for slidable reception of the rail head, an upstanding tube at the outer end of the main bar, and a marking strip slidably and adjustably mounted in said tube.

1,634,422. ROD CLAMP. ALLAN T. HOLMES, Richmond, Va., assignor of one-half to Julie D. Holmes, Richmond, Va. Filed Nov. 1, 1926. Serial No. 145,660. 6 Claims. (Cl. 24—249.)



3. In a device of the class described, comprising a body member having an axial bore therethrough and provided with radial slots communicating with the bore, eccentrically pivoted gripping jaws adapted to extend into said bore, and a rotatable member mounted upon said body member and provided with means for opening and closing said gripping jaws.

1,634,423. KNITTING-MACHINE NEEDLE. JOSEPH HULL, Leicester, England, assignor of one-half to William Spiers, Limited, Leicester, England, a British Company. Filed June 23, 1925, Serial No. 39,035, and in Great Britain July 4, 1924. 1 Claim. (Cl. 66—13.)

A knitting machine needle, comprising a hook part consisting of a stem having an open hook and a rounded swelling on the front edge of the stem below the hook, and a guard part situated entirely in front of said hook part and consisting of a shank having a rigid pointed extremity, said two parts being adapted for operation independently by cams so as to co-operate with a relative sliding movement, the guard part in one position being continuous with the front edge of the stem below the

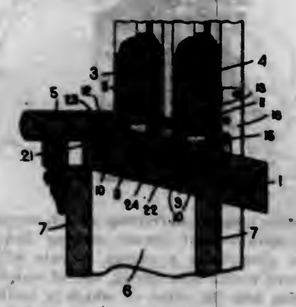


swelling thereon which latter projects beyond the line of that part of the stem against which the guard part rests, and said guard part when assuming the operative position being deflected outwards from the stem by the swelling thereon whereby it is inclined relatively to the hook part when covering the point of the hook.

1,634,424. METHOD OF PRODUCING IMPROVED LIME HYDRATE. WILLIAM K. HUNTER, Knoxville, Tenn., assignor of one-half to Marion F. Nichols, Knoxville, Tenn. Filed July 22, 1925. Serial No. 45,428. 4 Claims. (Cl. 23—188.)

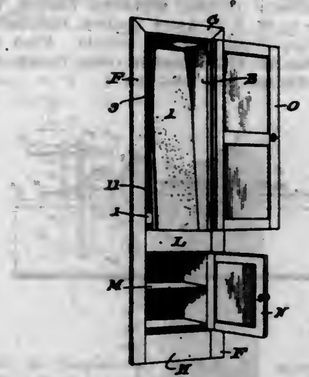
2. The method of producing a hydrated lime having a high plasticity, comprising subjecting a lime bearing rock to the action of a roasting temperature for producing lime, and immediately discharging the lime from the heat treatment and at the roasting temperature into water which is present in excess to the amount required for complete hydration of the lime, while allowing the free escape of steam and gases from the water whereby a violent ebullition of the water in contact with the lime occurs during the slacking operation, and allowing the slacking operation to be wholly completed in the presence of the excess water.

1,634,425. SLIDING WINDOW. WILLIAM D. IRVING, Charlestown, Mass. Filed Mar. 5, 1926. Serial No. 92,398. 6 Claims. (Cl. 20—52.)



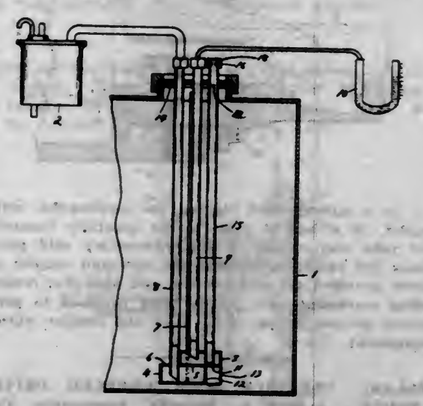
1. In a sliding window, the combination with a window stool having outer and inner tracks each formed by a metal strip, the outer track being lower than the inner track, an inner and an outer sash slidable on said tracks, the inner face of the lower rail of the outer sash having a horizontal groove and the outer edge of the strip forming the inner track extending beyond the outer face of said inner sash and into said groove thereby making a tight joint.

1,634,426. BUILT-IN IRONING TABLE. WILLIAM D. JOHNSTON and GEORGE M. SULLIVAN, Waco, Tex., assignors to Wm. Cameron & Company, Incorporated, Waco, Tex. Filed Sept. 8, 1926. Serial No. 134,312. 3 Claims. (Cl. 68—10.)



1. A built-in ironing table comprising a cabinet open at the front and having a front cross-piece at the lower end of said opening, a rear stop at the rear of the cabinet, the lower side of which is disposed above the horizontal plane of the top of said front cross-piece and an ironing board having a rear edge portion adapted to engage the under side of said rear stop and provided on its under side with a stop adapted to engage the rear portion of the front cross-piece and a curved guide in the cabinet for the board below and extending downwardly and forwardly from the rear stop for the purpose specified.

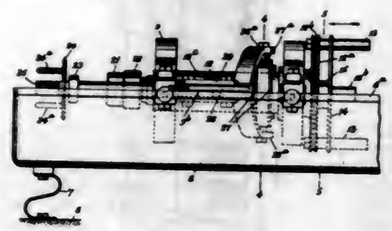
1,634,427. DEPTH-INDICATING DEVICE. HORACE W. KING, Ann Arbor, Mich., assignor to King-Seeley Corporation, Ann Arbor, Mich., a Corporation of Michigan. Filed Dec. 18, 1922. Serial No. 607,658. 3 Claims. (Cl. 73—54.)



1. In a depth indicating device for liquids, the combination with an air chamber closed at its upper end and having an opening communicating with the liquid to be measured, of means for automatically introducing air into said chamber, said air introducing means communicating

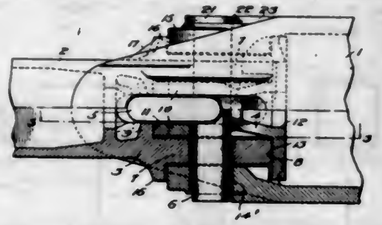
with said chamber at substantially the same level as said chamber communicates with the liquid, a pressure gage, means whereby said gage is connected with said chamber and communicates with the air contained therewithin, and means forming a relief passageway communicating with said chamber at substantially the same level as said chamber communicates with the liquid and extending from the chamber to above the level of the liquid.

1,634,428. METHOD OF AND APPARATUS FOR TESTING THE DYNAMIC BALANCE OF ROTARY BODIES. CHARLES MONTAGUE LINLEY, Highbury, London, England, assignor to W. & T. Avery Limited, Birmingham, England, a Corporation of Great Britain. Filed Mar. 26, 1926, Serial No. 97,708, and in Great Britain Mar. 30, 1925. 7 Claims. (Cl. 73—51.)



1. An apparatus for testing the balance of rotary bodies comprising a bed mounted on a plurality of resiliently mounted supports, a pair of hollow mandrels carried by the said bed and adapted for connection to the body to be tested, a pair of shafts secured within said mandrels and axially slidable relatively thereto, eccentrically displaceable weights carried by said shafts and adapted for radial displacement upon an axial movement of said shafts, means for varying the degree of eccentricity of the said weights as occasioned by said radial movement and means for effecting the rotation of the body.

1,634,429. DRAFT RIGGING. ERNEST F. MECHLIN, Washington, D. C. Filed Feb. 4, 1926. Serial No. 86,011. 15 Claims. (Cl. 213—69.)



1. In a railway draft rigging, the combination with a coupler, of a hooded yoke, means pivotally connecting said yoke and coupler, a key intersecting said pivotal means and extending through the yoke and coupler, and means provided on said coupler and yoke for resisting buffing movement, said means being designed to permit relative pivotal action of the yoke and coupler when in engagement.

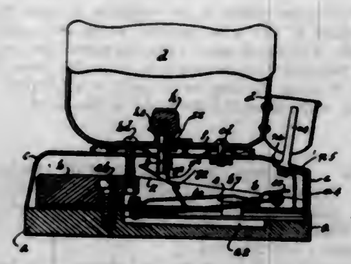
1,634,430. FLEXIBLE FOUR-WHEELED DRIVING TRUCK. ALBERT R. MEISTER, Sacramento, Calif. Filed June 29, 1925. Serial No. 40,158. 3 Claims. (Cl. 180—22.)

1. In combination with a motor vehicle having a chassis and front wheels mounted on the chassis there being means for steering said wheels, of a rear driving truck for said vehicle comprising axles, wheels on the axles, a yoke extending forwardly from the front of the two axles and having a universal joint connection with the chassis, a yoke extending rearwardly of the two axles and having a universal joint connection with the chassis, springs fastened to the chassis and disposed between the



axles, means for establishing a flexible connection between the springs and said axles, which means permits of lateral swinging of the axles and vertical movement thereof also relative to the springs and a driving connection between the axles, wheels and motor of a motor vehicle providing for driving the four wheels of said rear truck.

1,634,431. FLATIRON. JOSEPH W. MYERS, Jackson, Mich., assignor, by direct and mesne assignments, of one-third to Joseph H. Myers, Jackson, Mich.; one-third to Arthur J. Tuttle, Detroit, Mich.; and one-third to Agnes W. Myers and Joseph W. Myers, Jackson, Mich. Filed Jan. 8, 1925. Serial No. 1,186. 14 Claims. (Cl. 219—25.)



1. In an apparatus of the kind described, the combination of a heating element, and a thermostatic regulator therefor, united together to form an integral structure adapted to be removed and replaced as a unit.

1,634,432. ELECTRIC SWITCH. JOHN H. NELSON, Chicago, Ill., assignor to Caskey-Dupree Manufacturing Company, Coldwater, Mich., a Corporation of Ohio. Filed June 3, 1925. Serial No. 34,550. 2 Claims. (Cl. 200—43.)



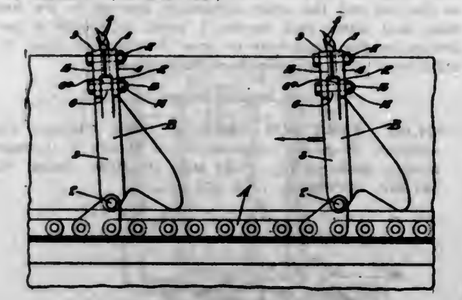
1. An electric circuit controlling switch constructed to prevent its unauthorized circuit making and breaking manipulation comprising a casing, a pair of rotatable contact carriers within said casing, one of which is in the form of a ring and the other of which is located within the one of ring form, a lug projecting inwardly from said first mentioned contact carrier and a lug projecting outwardly from said second mentioned contact carrier, said lugs cooperating to produce a lost motion connection between said contact carriers, and an operating handle outside said casing connected with one of said contact carriers.

1,634,433. SELF-SUPPORTING CARRIAGE BODY FOR MOTOR-DRIVEN VEHICLES. ALBIN ORTLOFF, Meiningen, Germany. Filed July 22, 1925, Serial No. 45,322, and in Germany July 22, 1924. Renewed Jan. 22, 1927. 4 Claims. (Cl. 296—28.)



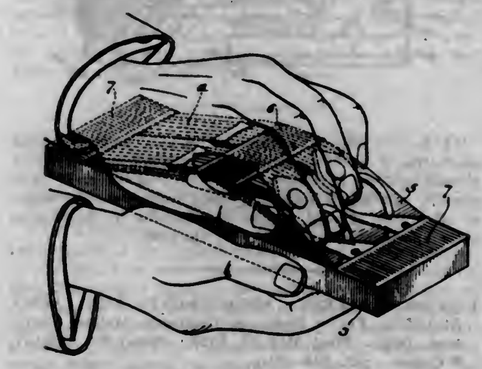
1. Self-supporting carriage body for motor driven vehicles cast in one piece with the frame, the engine bonnet, the bensine reservoir, the oil reservoir, the casing for the steering gear, and the cross and longitudinal stiffenings.

1,634,434. MINING-MACHINE TOOL. EDWARD O'TOOLE, Gary, W. Va. Filed June 15, 1926. Serial No. 116,115. 5 Claims. (Cl. 262—33.)



1. A combined conveyer flight and cutting tool for mining and loading machines comprising an elongated flight-bar, and a cutting tool-head removably mounted on one end of and adjustable about a horizontal axis relative to said flight-bar.

1,634,435. DISPLAY BOX AND SUPPORTING ELEMENT FOR SUSPENDERS. HENRY A. PETER, Philadelphia, Pa., assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Jan. 30, 1925. Serial No. 5,714. 1 Claim. (Cl. 206—44.)



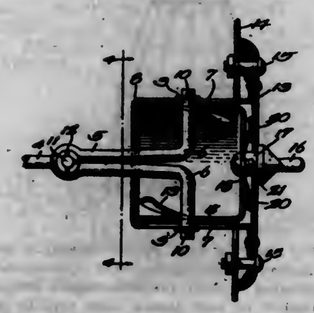
The combination of a display box and supporting element for suspenders, comprising a container having bottom, side and end portions, and top portions permanently secured to the end portions and extending therefrom a relatively short distance and secured along said extensions to the top edges of the side portions, a flexible supporting element corresponding approximately in dimensions with the dimensions of the bottom portion within the box, said supporting element provided with a pair of suspenders extending longitudinally around said supporting element with retaining means for securing the suspenders in said position with respect to the supporting element, said supporting element adapted to be flexed in order to introduce the ends thereof, with the suspenders supported thereby, beneath the said short extensions and then to assume the flat position, as and for the purpose described.

1,634,436. LINE HOLDER. WILLIAM F. POLSON, Buffalo, N. Y. Filed Jan. 27, 1925. Serial No. 5,067. 5 Claims. (Cl. 242—96.)



1. A line holder formed of sheet metal stamped to provide an inwardly-curved longitudinal member, an outwardly substantially curved longitudinal member spaced from said inwardly-curved member, end members connecting opposite ends of said longitudinal members, retainer-arms extending outwardly from the angles of said longitudinal members with said end members, and an integral handle formed by metal taken from between said longitudinal members and bent over the central portion of said outwardly-curved longitudinal member.

1,634,437. CHOKE-VALVE MECHANISM. WILLIAM SCHMID, Coldwater, Mich., assignor to Harry A. Douglas, Bronson, Mich. Filed June 18, 1926. Serial No. 116,861. 2 Claims. (Cl. 137—139.)



1. The combination with a choke valve for an internal combustion engine; of a push and pull rod connected with the valve to operate it; a handle mounted to turn; a

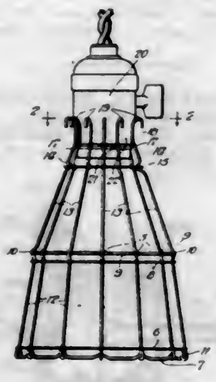
shell secured to and coaxial with the handle and formed with opposite inclined cam slots; an operating member connected with said rod and in the form of a T constructed of a rod folded at its mid portion to form a stem; a second shell having guiding slots, the ends of the head of the T-shaped operating member being received in the slots in both shells, these head ends carrying portions which engage the outer side of the second shell and which serve to exert spreading action upon the stem of the T-shaped operating member.

1,634,438. PULLEY. CHARLES C. SPREEN, Detroit, Mich., assignor to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed July 31, 1926. Serial No. 126,309. 4 Claims. (Cl. 64—17.)



1. A belt pulley comprising hub means having an annular felloe connected therewith, said felloe having a radially projecting rib spaced inwardly from an edge thereof, an annular member substantially V-shaped in cross sections, positioned on said felloe in contact with said rib and means for securing said annular member in position on said felloe.

1,634,439. LAMP GUARD. ALLEN G. URBAHNS, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Sept. 12, 1925. Serial No. 56,013. 2 Claims. (Cl. 240—102.)



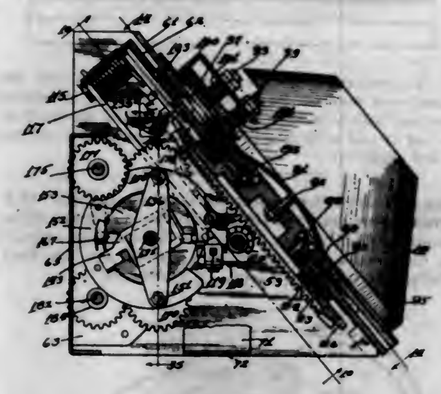
2. In a lamp guard, a body portion having a plurality of resilient fingers projecting endwise therebeyond, and a ringlike stiffening member for said fingers limiting the outward movement of said fingers, said ringlike member having a greater radial width than thickness to make the same unyielding and having an annular series of wire receiving notches at the inner edge thereof.

1,634,440. TRANSFORMER. THOMAS DONALD ADAIR, Jr., Dorchester, Mass., assignor, by mesne assignments, to Leonard L. Elden, Brookline, Mass., and Davis S. Boyden, Boston, Mass. Filed Apr. 8, 1921. Serial No. 459,574. 3 Claims. (Cl. 116—114.)



2. Overload indicating apparatus for transformers having, in combination, a semaphore, heat responsive means, a rod connected with the heat responsive means adapted to be actuated thereby upon changes of temperature, said rod being provided with two disks, one rigidly secured to the rod and the other adjustably secured to the first disk, said latter disk having a notch to permit a projection on the semaphore to pass therethrough upon the attainment of a predetermined temperature.

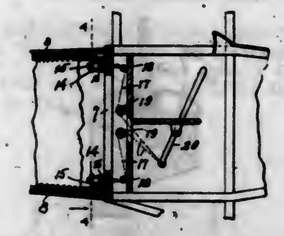
1,634,441. FARE BOX. HUGO J. BAUR, Chicago, Ill., assignor, by mesne assignments, to Sidney S. Gorham, trustee, Chicago, Ill. Filed Mar. 19, 1920. Serial No. 367,057. 20 Claims. (Cl. 235—32.)



11. In a counting mechanism, a coin carrier, means contacting a coin to be shifted by the coin, a plurality of moving fingers, gearing normally at rest adjacent each thereof, and means shifted by said coin-contacted means to offset one of said fingers and entrain its gearing to effect appropriate registration of the coin.

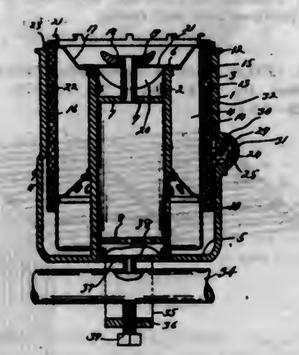
1,634,442. SAFETY ATTACHMENT FOR AEROPLANES. FRANK BENI and DOMINICK IARUSSI, Cleveland, Ohio. Filed May 19, 1926. Serial No. 110,151. 6 Claims. (Cl. 244—21.)

1. The combination with an aeroplane having a fuselage, of a parachute adapted to be folded about the fuselage frame and attached at its center to the rear end portions of the fuselage frame, cover plates separate from the parachute and completely enclosing the parachute and fuselage frame, releasable means for securing



said cover plates to the frame, and means for operating said securing means to release the plates from the frame to permit the parachute to open.

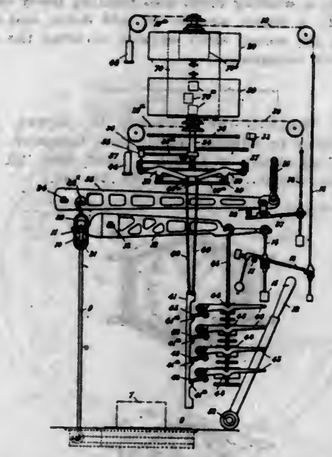
1,634,443. OIL BURNER. FREDERICK F. BENNETT, Ypsilanti, Mich. Filed Oct. 13, 1924. Serial No. 743,484. 13 Claims. (Cl. 158—04.)



1. An oil burner comprising a cast metal container having a bottom portion and spaced inner and outer cylindrical walls integral with said bottom portion forming an annular oil-receiving chamber therebetween, a cylindrical member within said annular chamber and spaced from said outer wall to form an annular wick chamber between said member and outer wall, an annular wick in said wick chamber, an annular wick-supporting member having helically arranged perforations therein, and means for adjusting said wick.

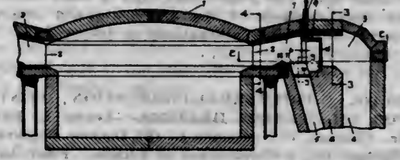
1,634,444. WEIGHING APPARATUS. WILLIAM ALFRED BENTON, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed Aug. 11, 1924, Serial No. 731,466, and in Great Britain Dec. 21, 1923. 8 Claims. (Cl. 265—48.)

1. In a weighing apparatus the combination of an automatic resistant for initially determining an approximation of the load, means for transmitting the load to said resistant, a weight indicator for indicating the measure of the load as to its major units, means connected to said resistant for effecting the actuation of the said indicator, a series of weights for counterbalancing the load as to its major order, means in operative connection with the aforesaid indicator for selecting the required weight for counterbalancing the major order of the load as determined by the indication recorded by the indicator, a series of levers having their fulcra disposed in a horizontal plane, a weighbeam, means actuated by the levers for depositing the required weights for counterbalancing the



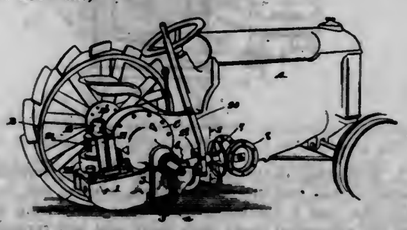
major order of the load on the weighbeam, and manually operable means acting through the aforesaid selecting means for controlling the operation of the said levers.

1,634,445. BURNER FOR FURNACES. WILLIAM G. BERGMAN, Point Place, Ohio. Filed Nov. 27, 1925. Serial No. 71,528. 10 Claims. (Cl. 158—109.)



1. In a burner for furnaces, a combustion chamber and a gas mixing chamber, the gas mixing chamber having a mouth through which the gas mixing chamber communicates with the combustion chamber, the wall of the mixing chamber having a plurality of ports for admitting streams of air into the mixing chamber to form air streams located between planes that extend vertically and towards the mouth of the mixing chamber, and means for directing streams of gas between the layers of air streams.

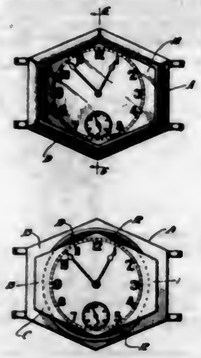
1,634,446. TRACTOR ATTACHMENT. RHINEHARD BOLLHEIMER and EDWARD T. WILKENS, Fort Loramie, Ohio. Filed Jan. 9, 1926. Serial No. 80,197. 6 Claims. (Cl. 180—53.)



1. An attachment for tractors comprising a supporting frame adapted to be supported on the tractor, a horizontal shaft mounted in said frame, means for driving said

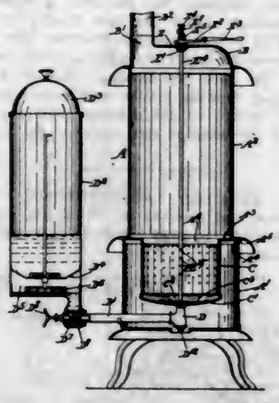
shaft, a gear on said shaft, a second gear meshing therewith, a second shaft at right angles to the first on which said second gear freely rotates, a clutch member on said second gear, a winding drum also rotating freely on said second shaft, a clutch member on said drum, and means for moving the second shaft endwise to bring the clutch members into engagement.

1,634,447. WATCHCASE. GEORGE W. BOWEN, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Sept. 25, 1925. Serial No. 58,532. 4 Claims. (Cl. 58—88.)



1. In combination, a watch case center, a dial plate extended in part to overlie one face thereof, and ribs upstanding in spaced relation on the case center with their ends adjacent the edges of the dial plate to position the same upon the case center, and a bezel shaped to cover the periphery of the dial plate and removably connected to the ribs, substantially as described.

1,634,448. ISOTHERMAL-COMBUSTION CONTROL FOR OIL-BURNING HEATERS. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1926. Serial No. 127,217. 13 Claims. (Cl. 236—15.)



1. A heating device and control therefor, including a burner, a fuel line extending thereto, a valve seat in said fuel line, and a thermostatic member comprising a hollow rod suspended above such valve seat and terminating in a valve member shaped to conform to such seat, and an outside air connection adapted to permit air to circulate through the interior of such rod.

1,634,449. SLIDING WINDOW FOR VEHICLE BODIES. HORACE H. BUGGIE, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed June 19, 1920. Serial No. 390,243. 1 Claim. (Cl. 296—44.5.)



In a window, the combination with a sashless transparent panel, of a yieldable runway slidably engaged in by said panel, a frame having a shoulder engageable by said runway, a member secured to said frame and cooperating with said shoulder to compress said runway, said member being formed of sheet metal folded to tubular shape and having spaced inner and outer marginal portions engaging said frame, a wall extending from said inner marginal portion and engaging said runway and a second wall extending from said outer marginal portion to said first-mentioned wall, and securing means extending through said second wall and between said marginal portions into said frame.

1,634,450. FILE. ALVAH BUSHNELL, Philadelphia, Pa. Filed Sept. 16, 1924. Serial No. 737,970. 13 Claims. (Cl. 129—15.)

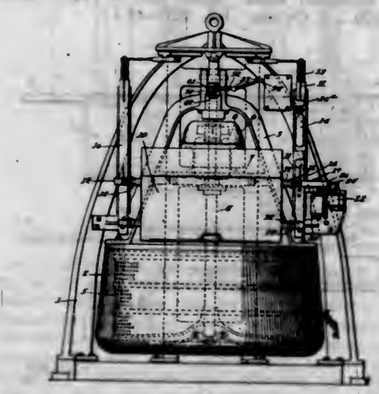
1. A file comprising front and back walls, expansible side walls connected with the front and back walls, an expansible bottom wall connected with the front, back and side walls, partitions attached to the bottom wall and free at their ends, and an expansible division strip fixed to the front and back walls and coacting with the partitions to hold the latter in relatively fixed positions while permitting movement thereof when desired.

1,634,451. GAME PROJECTILE. WILLIS C. CAMPBELL, Yonkers, N. Y. Filed Mar. 24, 1927. Serial No. 178,051. 1 Claim. (Cl. 273—128.)



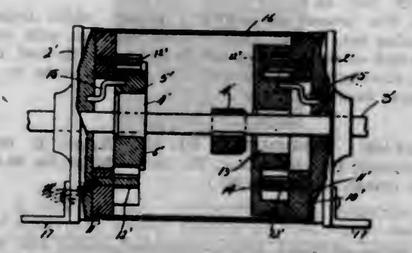
A slidable projectile used in playing a game comprising a thick disk having its upper and lower faces parallel to each other, and a straight handle projecting from approximately the center of the disk diametrically and at an angle of forty-five degrees to the top, said handle projecting slightly beyond the vertical plane of the edge of the disk.

1,634,452. EXTRACTOR CONTROL. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 22, 1921. Serial No. 486,717. 20 Claims. (Cl. 192—136.)



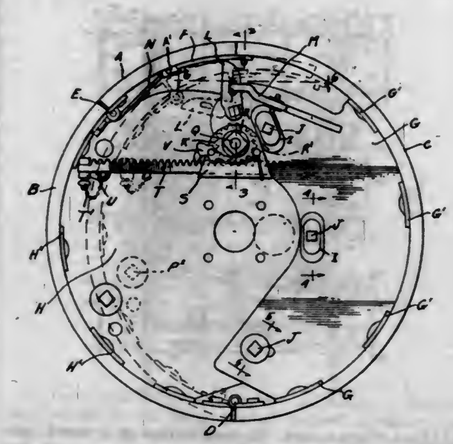
16. A centrifugal extractor, comprising a rotatable basket, motor means for driving said basket, a cover for said basket having a normal tendency to open, means controlled by said cover for causing said motor to rotate said basket for the extracting operation, and means for automatically stopping said basket at the end of a predetermined extracting period and opening said cover with all parts ready for the next operation.

1,634,453. MECHANICAL MOVEMENT. JOHN E. CARROLL, Saginaw, Mich. Filed July 8, 1924. Serial No. 724,158. 1 Claim. (Cl. 74—35.)



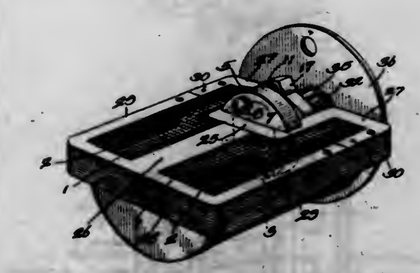
A mechanical movement for use as a change speed mechanism comprising, in combination, a pair of end plates, a shaft rotatably and slidably mounted in said end plates, eccentrics fixed on said shaft, an internal gear for cooperation with one of said eccentrics, an external gear for cooperation with the other of said eccentrics, means to hold the gears against rotation while permitting an oscillatory movement thereof due to the revolving of the eccentrics, lantern wheels each having one more spindle than teeth in the gears and coacting with said gears, and a drum fixed to the periphery of said lantern wheels.

1,634,454. WHEEL. GEORGE CHRISTIA and PETER CHRISTIA, Detroit, Mich. Filed Aug. 28, 1926. Serial No. 132,053. 5 Claims. (Cl. 152—20.)



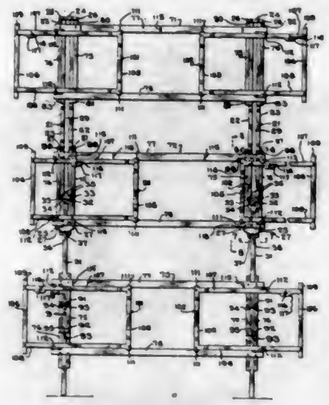
2. In a disc wheel, the combination, with a plurality of segmental rim sections, hinge connections for all but one of the pairs of meeting ends thereof, partially overlapping web plates connected with two of said rim sections, means for regulatably effecting the inward and outward swing of two of said rim sections and their attached web sections about one of said hinges as a pivotal center, means for locking said web plates and their corresponding rim sections in extended position, and means for supporting the third rim section in peripheral alignment with the adjacent ends of the other rim sections when the latter are in extended position.

1,634,455. ELECTRIC SWITCH. GEORGE L. CRAGG, Chicago, Ill., assignor to Harry A. Douglas, Bronson, Mich. Filed Dec. 27, 1926. Serial No. 157,153. 20 Claims. (Cl. 175—361.)



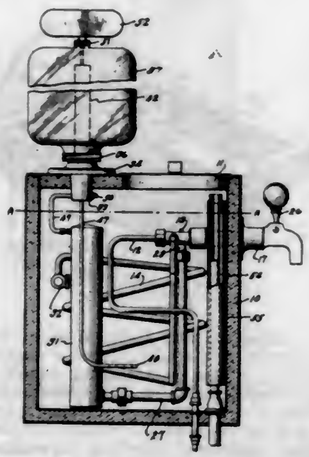
1. The combination with a current conducting winding element provided with a magnetizable U-shaped core portion that has a stem, said winding element having a bore of step formation in one part of which the U-shaped core portion is received and in the other part of which the core stem is received; of a circuit controlling switch in electrical association with and surrounded by said winding element and positioned in said U-shaped core portion; and a locking structure in controlling relation to the switch.

1,634,456. DISPLAY RACK. CARL DEUSCHLE, Cincinnati, Ohio. Filed Aug. 13, 1926. Serial No. 129,070. 3 Claims. (Cl. 211—14.)



1. In a display rack, the combination of a stand comprising a plurality of supporting members arranged side by side and collapsible with relation to each other, a plurality of cross-frames slantingly arranged one above another between said plurality of supporting members, releasable securing means between said cross-frames and said plurality of supporting members, oppositely laterally movable slantingly arranged display frames on said plurality of cross-frames, said cross-frames and said display frames arranged for display of goods thereon, and adjustable connecting means between said display frames and said cross-frames for selective lateral overhanging relations of said display frames with relation to said cross-frames whereby to increase the display area of said display rack.

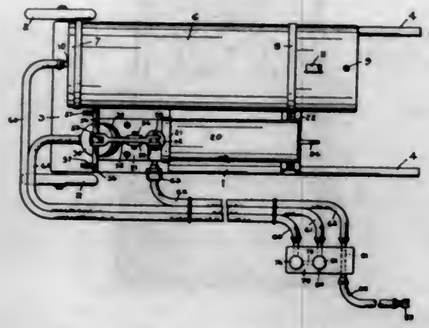
1,634,457. CARBONATED-BEVERAGE-DISPENSING APPARATUS. WILLIAM E. DOUGHTY, Detroit, Mich., assignor to James Vernor Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 12, 1926. Serial No. 148,015. 11 Claims. (Cl. 225—30.)



1. In a carbonated beverage dispensing apparatus, a display chamber, means for trapping a display medium in said chamber a source of gas liberated from the beverage and means for introducing said gas into said display chamber to agitate said display medium.

10. In a carbonated beverage dispensing apparatus, the combination of means for containing a display medium, means for containing a cooling medium, a source of gas liberated from the beverage, and means for utilizing the said gas for agitating the display medium and the cooling medium respectively.

1,634,458. LUBRICATING APPARATUS. FENTON E. EVANS, Redmond, Wash. Filed Apr. 9, 1925. Serial No. 21,870. 5 Claims. (Cl. 221—47.1.)

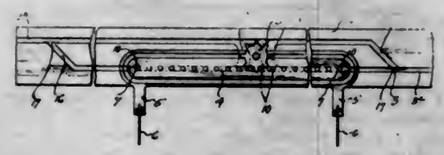


1. A device of the class described, comprising a frame, a compressed air motor having a piston, a compressed air cylinder, a grease pump, a rocking shaft, a rocking lever mounted on the shaft and operatively connecting the motor with the pump, a spring control for the piston disposed between the lever and the frame, a grease reservoir, a valve control member for compressed air, and, operable through said member, means for establishing communication for compressed air from the cylinder to the motor, means for discharging air from the motor, and means for discharging grease from the pump.

1,634,459. PROCESS OF MANUFACTURE OF PLASTER MATERIAL. OSCAR GERLACH, La Salle, Ill. Filed Mar. 13, 1925. Serial No. 15,365. 3 Claims. (Cl. 106—34.)

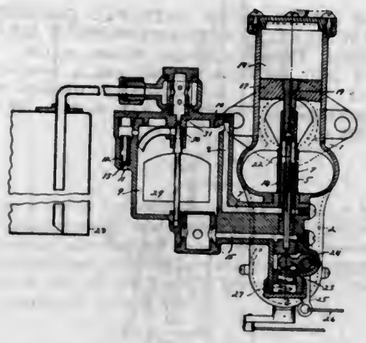
1. The process of making a plaster, which includes treating hot, freshly burnt crushed limestone with about one-fifth of its weight of 60° Baumé sulphuric acid, mixing thoroughly and crushing the reaction mass to the desired fineness.

1,634,460. WINDSHIELD WIPER. RALPH B. GRAY, Chicago, Ill. Filed Mar. 15, 1926. Serial No. 94,669. 2 Claims. (Cl. 15—253.)



1. A windshield wiper comprising a support having an endless guideway, a carriage, projections on said carriage extending into said guideway, means for alternately shifting said carriage longitudinally and vertically of the support, and wipers mounted on said carriage adapted to be moved longitudinally and vertically by said carriage.

1,634,461. CARBURETOR. WILLIAM GRIKSCHEIT, Detroit, Mich. Filed Sept. 25, 1922. Serial No. 590,472. 1 Claim. (Cl. 201—44.)



In a carburetor, the combination with the body having an air inlet and an outlet, of a cylinder, a plunger slidable within said cylinder for controlling the communication of said air inlet with said outlet, an air tube depending from said plunger and adapted to variably communicate with said outlet upon movement of said plunger, a liquid fuel tube extending upwardly within said air tube and spaced therefrom, a metering pin secured to said plunger and cooperating with said liquid fuel tube to variably control the flow of liquid fuel therethrough, and means for placing the interior of said cylinder in communication with said outlet.

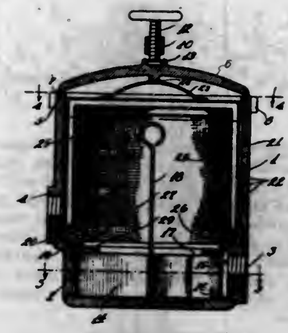
1,634,462. COMPOSITION BOARD AND METHOD OF MAKING THE SAME. FRANK J. HALLAUER, Madison, Wis. Filed Nov. 2, 1925. Serial No. 66,139. 8 Claims. (Cl. 154—28.)



1. A light, strong composition board, comprising a rigid network of slender shavings of wood, lightly coated with and bonded together at their numerous points of contact with one another by a protein glue, employed in such an amount and distributed in such manner as to leave numerous dead air spaces throughout the mass, the whole being in a strongly compressed condition.

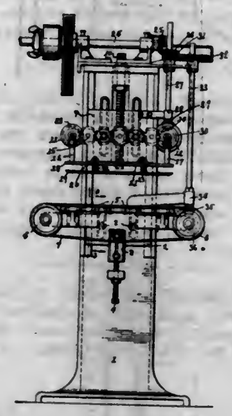
8. The process of making a light, strong composition board, which consists of preparing long, slender, curly shavings of natural wood, forming them into an even layer of tangled, open masses, spraying them with a fire-resistant, water-resistant protein glue so that the shavings are lightly coated therewith, folding the sprayed layers into a roll or bundle, heavily compressing said roll or bundle into a board in such a manner that the shavings are forced to lie substantially in the plane of the board, and then drying the board.

1,634,463. LIQUID TRAP AND STRAINER. HENRY A. HILLS, Grand Rapids, Mich. Filed Dec. 1, 1922. Serial No. 604,181. 6 Claims. (Cl. 210—165.)



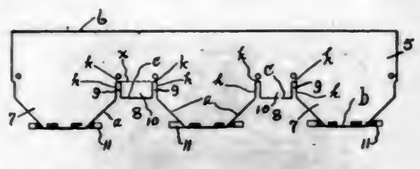
1. In a fluid trap and strainer, a casing, a sediment pan located in the lower portion thereof, strainers opening downwardly above the pan and serving to hold the pan in place, a deflector in said pan adapted to cause upward motion of the entering oil into said strainers, and a baffle in said pan adapted to impart a rotary motion to the upwardly flowing oil.

1,634,464. BOTTLE-CAPPING MACHINE. JOHN A. JOHNSON, New York, N. Y. Filed Feb. 25, 1925. Serial No. 11,496. 2 Claims. (Cl. 226—80.)



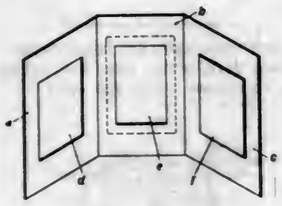
1. A machine for affixing closures to containers comprising a frame, a pair of drums, a gear secured to one of said drums, a belt running over said drums, a presser head over said belt, a pair of crank disks on said head, crank pins thereon, links suspended from said pins, a presser plate rigidly secured to the lower ends of said links, means for moving said presser head vertically, a drive shaft journalled on said frame, a gear journalled on said frame, a shaft passing through said gear and splined thereto, a gear on the lower end of the shaft engaging the drum gear, means for driving said journalled frame gear from the drive shaft and for rotating the crank disks in synchronism with the splined shaft whereby the belt and presser plate will travel laterally at the same speed when the plate is in contact with a closure.

1,634,465. ROOFING STRIP. HARRY G. KELLY, Omaha, Nebr. Filed Nov. 7, 1925. Serial No. 67,545. 1 Claim. (Cl. 108—7.)



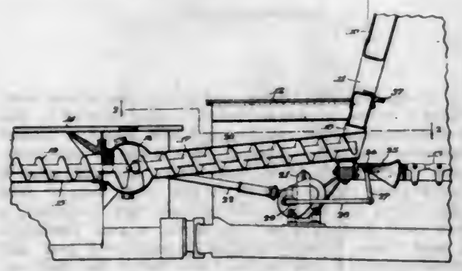
A roofing strip having spaced polygonal wings, secondary wings intermediate said polygonal wings, said polygonal wings having sides converging toward said secondary wings, and fasteners associated with said polygonal wings, said fasteners having projecting ends terminating intermediate the converging sides of the polygonal wings of the underlying strips in a depressed position to be freely slidable under said polygonal and above said secondary wings of the adjacent strip to insure proper registry thereof.

1,634,466. EMBOSSING APPLIANCE FOR PHOTOGRAPHS AND THE LIKE. HEINRICH AUGUST ERNST KRAFT, Dresden, Germany, assignor to Firma Kraft & Steudel Fabrik Photographischer Papiere G. m. b. H., Dresden, Germany. Filed Apr. 1, 1926, Serial No. 99,178, and in Germany Sept. 21, 1925. 6 Claims. (Cl. 101—3.)



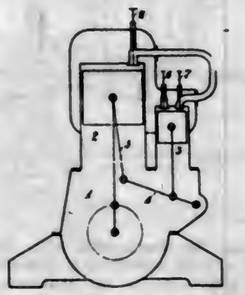
1. In an appliance for use in embossing photographic prints to produce a plate-sunk margin the combination of a pair of sheets having equal apertures therein and between which sheets the print to be embossed may be placed, a third sheet formed with a raised surface similar in shape to the openings in the said pair of sheets, and means hingedly connecting the sheets together to form a unitary structure.

1,634,467. LOCOMOTIVE STOKER. NATHAN M. LOWER, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed June 14, 1926. Serial No. 115,771. 2 Claims. (Cl. 110—101.)



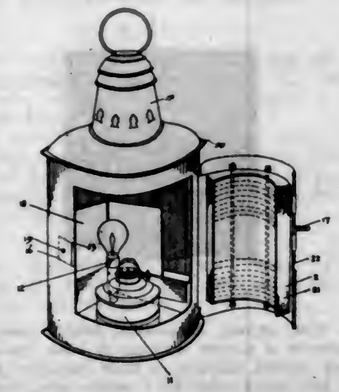
1. In combination, a locomotive boiler provided with a fire box and having an aperture in its back head adjacent the lower margin thereof, means for delivering fuel through such aperture, a reciprocating lifter acting upon the fuel as it enters the firebox, and means for scattering the fuel from the mound thus formed.

1,634,468. FOUR-CYCLE INTERNAL-COMBUSTION ENGINE WORKING WITH AN INJECTION AIR COMPRESSOR. FRIEDRICH MÜLLER, Vienna, Austria. Filed Aug. 9, 1921, Serial No. 491,006, and in Austria July 3, 1917. 6 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



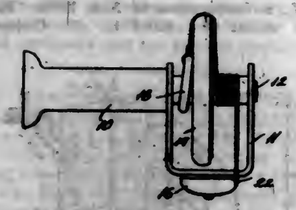
1. In a four cycle engine, including a working cylinder, means including a single compressor actuated by said cylinder, for compressing and delivering charging air and injection air at different times during each cycle and during separate operations of said compressor.

1,634,469. MARINE LAMP. LOUIS EDWARD PERKINS, New York, N. Y. Filed Mar. 10, 1926. Serial No. 93,629. 1 Claim. (Cl. 132—31.)



As an article of manufacture, a marine lamp having a casing, a door removably hinged to the casing, said door having a lens receiving aperture, and inwardly directed bevel surrounding said aperture; flanges on the inner side of said bevel, a lens in said aperture; straps conforming to the lens having ears at each end, removable fastening means passing through the ears and the bevel, said straps being secured to the bevel to hold the lens against the flanges; removable guards secured to the door across the aperture; and a slidable latch attached to the door securely fastening the door.

1,634,470. GYROSCOPIC TOY. FRANK M. PIERCE, Chicago, Ill. Filed May 31, 1923. Serial No. 642,393. 4 Claims. (Cl. 46—14.)



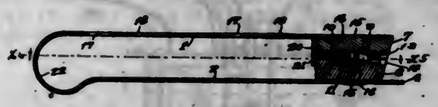
1. In a toy of the class described a handle, a frame, a pin passing through said frame, a pair of spacers freely rotatable on said pin, and a rotatable wheel journalled on said pin between said spacers and a cord adapted to be wound on one of said spacers by said wheel, said cord being connected to said wheel.

1,634,471. DRY-STEAM SLEEVE BOARD. IRWIN W. COX, Denver, Colo. Filed Mar. 21, 1927. Serial No. 176,965. 3 Claims. (Cl. 68—9.)



1. A steam finishing board comprising a finishing arm having three compartments, the walls of one of said compartments being imperforate and adapted to contain steam under high pressure, the other two compartments each having a wall provided with a plurality of foraminations, said last mentioned compartments being separated by a partition having an opening and a valve for controlling the passage through said opening.

1,634,472. BURGLAR DETECTOR. WILLARD G. THORPE, Los Angeles, Calif. Filed Dec. 27, 1926. Serial No. 157,331. 7 Claims. (Cl. 116—83.)

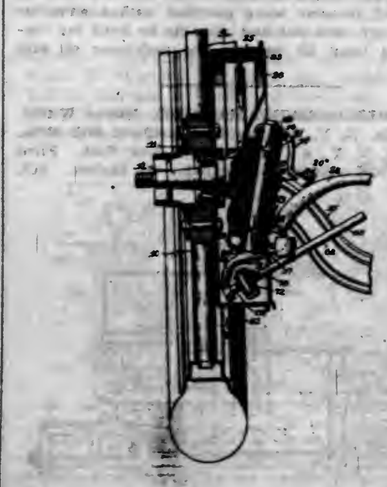


1. A detonator having sound amplifying barrels and split its entire length from breech to the muzzles.

1,634,473. PROCESS OF MAKING N-DIHYDRO-1-2-2'-1'-ANTHRAQUINONEAZINE. LYNNE H. ULICH, Racine, and ROBERT J. GOODRICH, South Milwaukee, Wis., assignors to The Newport Company, Milwaukee, Wis., a Corporation of Delaware. Filed Apr. 4, 1925. Serial No. 20,618. 3 Claims. (Cl. 260—31.)

1. The process of producing a coloring matter of the anthracene series, which consists in heating dibrom N-dihydro 1:2:2':1'-anthraquinone azine with alcoholic potash to form N-dihydro 1:2:2':1'-anthraquinone azine.

1,634,474. BRAKE MECHANISM FOR STEERING WHEELS. NILS ERIK WAHLBERG, Kenosha, Wis., assignor to Nash Motors Company, Kenosha, Wis., a Corporation of Maryland. Filed June 25, 1924. Serial No. 722,219. 15 Claims. (Cl. 188—194.)



1. In combination with a vehicle axle having a wheel and spindle mounted for pivotal steering movement on a substantially vertical pivot pin, a brake drum carried by the wheel, brake means supported by the wheel spindle, and means for operatively engaging said brake means with said drum, comprising a lever pivotally supported on a bearing rigid with said axle and having intermediate pivotal connection with said brake means, said connection being movable transversely of and in a path substantially intersecting the axis of said pivot pin.

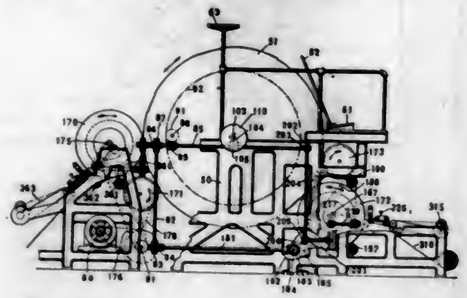
1,634,475. BATTERY CASING. REINHOLD H. WAPPLER, Yonkers, N. Y., assignor to American Cystoscope Makers, Inc., a Corporation of New York. Filed May 10, 1923. Serial No. 637,974. 3 Claims. (Cl. 240—10.5.)



1. A device of the character described comprising a hollow casing of substantially cylindrical form and provided with a slot, a battery mounted within said casing and provided with a contact member, a disk of insulating material mounted within said casing, a rheostat mounted upon said disk of insulating material and provided with

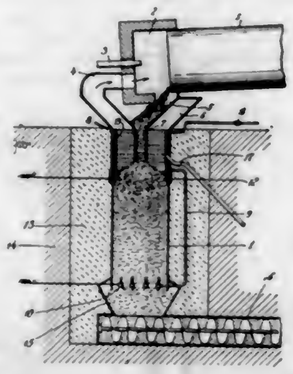
a contact member engaging said contact member of the battery, said rheostat being disposed adjacent said slot and provided with another contact member extending from said disk of insulating material, an incandescent lamp carried by said hollow casing and provided with a contact member extending from said disk of insulating material, said rheostat being provided with a slide extending through said slot and operable by hand for controlling said lamp by varying the resistance of said rheostat.

1,634,476. SILK-DRESSING MACHINE. HENRY WHITE, Glens Falls, N. Y., assignor to Champlain Silk Mills, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1926. Serial No. 99,041. 36 Claims. (Cl. 19—117.)



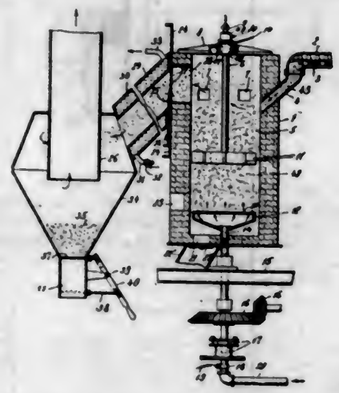
1. In a dressing machine, a series of clamping bars for holding ends of fills, a carrier therefor, means for drawing and grasping the other ends of the fills between adjacent bars and means for automatically releasing the first mentioned ends of the fills after the other ends have been grasped.

1,634,477. PROCESS FOR MAKING DECOLORIZING CARBON. LEONARD WICKENDEN, Flushing, N. Y., and STANLEY A. W. OKELL, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 478,157. 10 Claims. (Cl. 204—64.)



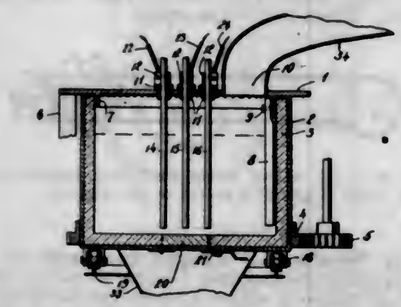
1. In a process of making decolorizing carbon continuously passing carbonized dissolved vegetable material through a slightly inclined rotary kiln and thence through an electric furnace, while passing suitable treating gases through said furnace and kiln in the opposite direction and maintaining a temperature of upwards of 800° C. in said kiln and furnace substantially as described.

1,634,478. PROCESS AND APPARATUS FOR MAKING DECOLORIZING CARBON. LEONARD WICKENDEN, Flushing, N. Y., and STANLEY A. W. OKELL, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1922. Serial No. 537,571. 51 Claims. (Cl. 204—64.)



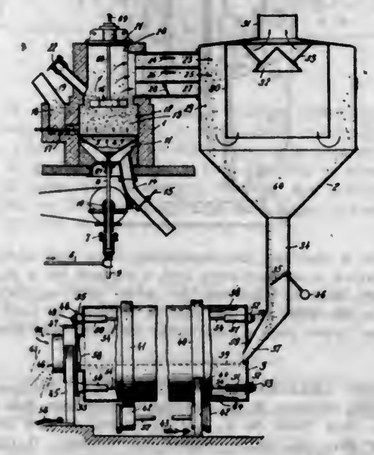
1. The process of making decolorizing carbon which comprises continuously feeding granular calcined dissolved vegetable carbon material into a tubular vertical electric furnace, heating the granular carbon by the electric current passing between an upper electrode and a lower rotary blast electrode slowly rotating adjacent the bottom of the furnace and simultaneously injecting hot treating gases comprising steam and carbon dioxide through said blast electrode into the mass of heated carbon to violently agitate the same and carry upward to relatively greater distances the smaller particles of softer and more friable activated carbon, carrying such smaller particles of activated carbon out of the furnace while suspended in the current of treating gases, cooling the same and centrifugally separating such carbon particles from the gases.

1,634,479. ELECTRIC-FURNACE APPARATUS AND PROCESS OF REVIVIFYING DECOLORIZING CARBON, ETC. LEONARD WICKENDEN, Flushing, and WALTER F. DEMMERLE, New York, N. Y., assignors to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed July 3, 1922. Serial No. 572,384. 16 Claims. (Cl. 204—64.)



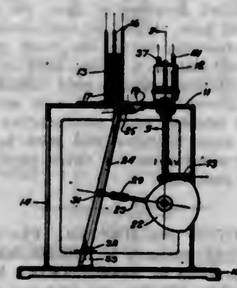
1. The rotary electric furnace for revivifying decolorizing carbon, etc. comprising a substantially vertical cylindrical furnace having a refractory lining and mounted to be rotated about its axis, cooperating rotating means, a discharge door adjacent the center of the furnace bottom, a cover cooperating with said furnace and having a depending flange fitting substantially closely the upper end of the furnace, a scraper mounted on said cover to cooperate with the side of the furnace, a feed chute in said cover and three transverse rows of depending agitating and heating electrodes extending into said furnace adjacent the bottom thereof and insulating supports between said electrodes and the furnace cover.

1,634,480. ELECTRIC-FURNACE APPARATUS AND PROCESS FOR MAKING DECOLORIZING CARBON. LEONARD WICKENDEN, Flushing, N. Y., and STANLEY A. W. OKELL, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1923. Serial No. 626,935. 30 Claims. (Cl. 204—64.)



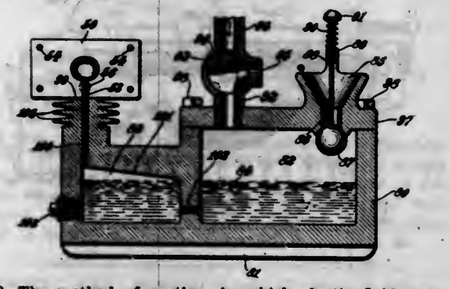
1. The continuous process of activating porous granular decolorizing carbon formed from dissolved vegetable material, which comprises heating the carbon particles to high temperatures of about 800 to 900° C. and injecting reducing treating gases into a mass of such carbon particles to agitate the same and separating therefrom some of said treated carbon particles, and continuously agitating and subjecting a mass of such treated carbon particles to the action of limited amounts of air or activating gases while maintained at a considerably lower temperature of about 350 to 450° C. to activate the carbon while minimizing oxidation losses thereof.

1,634,481. COMPOUND LINING HEAD. JOHN M. YOUNG, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 17, 1921. Serial No. 508,102. 15 Claims. (Cl. 113—80.)



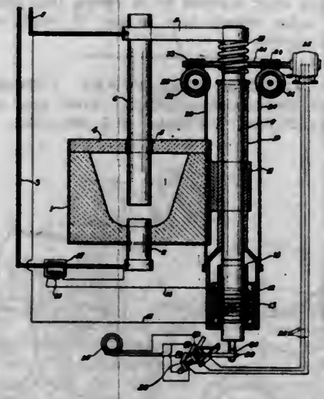
1. An apparatus for lining the flanges of can ends with gasket material, comprising means for supporting and rotating a can end, a head having a reservoir for gasket material therein, a measuring member having a plurality of measuring chambers adapted to receive charges of material from said reservoir and having means for intermittently cutting off the supply of gasket material to a roller, and a roller adapted to subsequently receive said charges from the measuring member and apply the same to the can ends.

1,634,482. CASTING METHOD AND APPARATUS. FLOYD S. YOUTSEY, St. Louis, Mo., assignor of one-half to Clarence D. Lukens, St. Louis, Mo. Filed Feb. 26, 1919, Serial No. 279,227. Renewed Oct. 30, 1926. 47 Claims. (Cl. 22—209.)



2. The method of casting, in which elastic fluid pressure is applied to the molten metal to force the same into the mold, characterized by the feature that there is provided after the application of the pressure, a time interval sufficient to establish the applied pressure to its maximum before the metal fills the mold.

1,634,483. ELECTRODE CONTROL FOR ARC FURNACES. THADDEUS F. BAILY, Alliance, Ohio. Filed May 24, 1926. Serial No. 111,437. 11 Claims. (Cl. 204—64.)



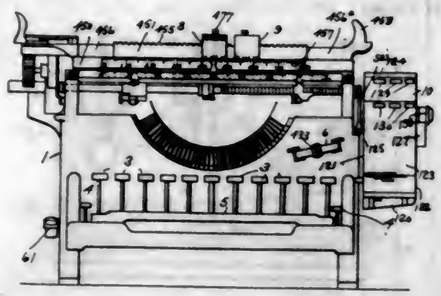
1. An electrode control for arc furnaces including a longitudinally movable electrode support, means for moving said support longitudinally, a motor controlling said moving means and a magnet operatively connected to the support for controlling the closer regulation of the support.

1,634,484. [WITHDRAWN.]

1,634,485. CALCULATING MACHINE. HIESTER AZARUS BOWERS, Reading, Pa. Filed Aug. 26, 1921, Serial No. 495,458. Renewed Mar. 15, 1927. 69 Claims. (Cl. 235—59.)

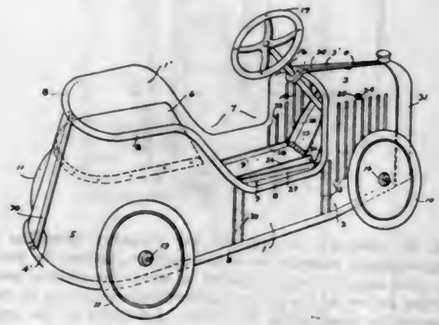
5. In a calculating machine the combination with an index wheel, an operating shaft, an adding gear on said

shaft operatively connected with the index wheel, a pinion loose on the operating shaft, means for rotating the pinion, a ratchet wheel carried by the adding gear, a driving arm carried by the pinion, a pawl support loose on the shaft carrying a pawl adapted to engage the ratchet wheel, means carried by the driving arm for causing the pawl to engage said ratchet wheel to rotate it; the pawl being so constructed that the driving arm will move through a definite arc without causing the pawl to engage the ratchet wheel and, on the completion of such movement, force the pawl to engage and rotate the ratchet wheel.



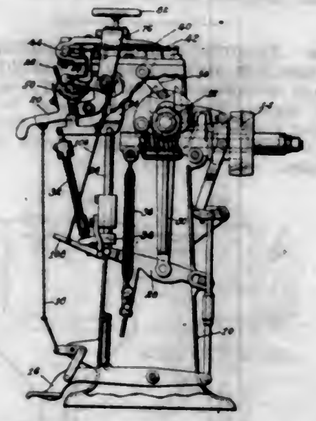
60. In a calculating machine, the combination with a series of index wheels arranged on a single axis, an intermediate gear for each index wheel, the intermediate gears being arranged on a single axis, a master gear and means for shifting it into mesh with each of the intermediate gears successively, means for rotating the master gear including means for reversing the direction of rotation of the master gear, of a subtotal register comprising a shaft carrying a series of index wheels adapted to mesh with said intermediate gears, a swinging frame carrying said shaft adapted to be swung into position to carry the index wheels into or out of mesh with the intermediate gears.

1,634,486. CHILD'S FOOT-POWER AUTOMOBILE. JULIEN A. BRIED, Oakland, Calif. Filed Apr. 30, 1925. Serial No. 27,029. 8 Claims. (Cl. 208—33.)



1. A child's foot propelled automobile comprising a body having two sides and a seat adapted to support a child with its feet positioned between the sides, wheels supporting the vehicle, and a pair of treadles longitudinally arranged within the body adapted to receive the child's feet and arranged for propelling the vehicle thereby, said treadles substantially filling the body space between the sides and arranged to cooperate with said sides to prevent the formation of foot catching interstices therebetween in the operation of the treadles.

1,634,487. MACHINE FOR SEPARATING LASTS AND SHOES. MICHAEL F. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 12, 1921. Serial No. 469,006. 32 Claims. (Cl. 12—15.1.)



19. In a machine for separating lasts and shoes, in combination, a support for a last, a support for a shoe on the last, means relatively to move said supports to separate the shoe and the last, a member to turn back the shoe upper, and a cam bodily to move said member.

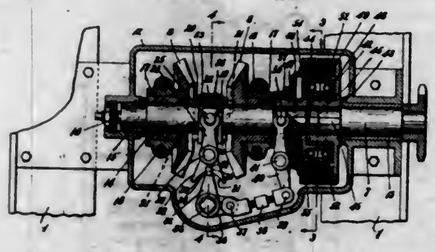
1,634,488. LEAD-KEG-CLOSING DEVICE. WILLIAM F. BUTLER, Hillside, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 28, 1925. Serial No. 33,583. 9 Claims. (Cl. 113—18.)



1. A closing device for lead kegs, or like containers, comprising a chuck arrangeable upon the cover of the container, closing jaws pivoted to said chuck and having inward lever extensions beyond the pivot points, a stem arising from said chuck, a collar slidably mounted on said stem and slidably engaging said extensions, and operating levers pivotally connected with said collar and said chuck and adapted upon manipulation to slide the collar on said stem to move said jaws in and out to bend a closing element on the cover about a retaining element on the container.

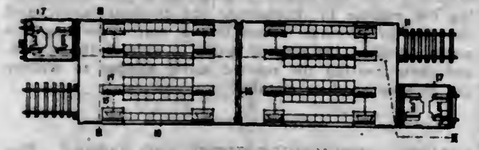
1,634,489. CLUTCH MECHANISM. FRANK CARTLIDGE, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 28, 1918. Serial No. 225,278. 10 Claims. (Cl. 192—48.)

1. In a clutch mechanism, a positive clutch, a friction clutch, means for transmitting power through one to the other including constantly meshing gearing, longitudinally stationary shafts upon which the same are mounted, and interlocking controlling mechanism between said clutches operable to vary the pressure of said friction clutch without varying the connection of said positive clutch and to lock said positive clutch against disengagement.



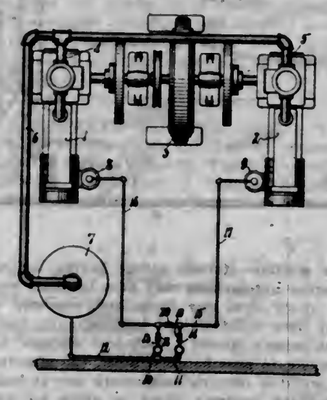
2. In a clutch mechanism, a positive clutch including a rotatable element and a reciprocable cooperating element, a braking means on said reciprocable element operative to produce a braking force having a component passing substantially radially through said reciprocable element, and means for applying said brake to produce a braking force on said reciprocable element.

1,634,490. RAILWAY TRAIN. LLOYD COLLIS, New York, N. Y. Filed Apr. 8, 1925. Serial No. 21,472. 4 Claims. (Cl. 105—1.)



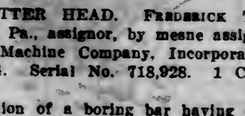
1. A railway car in sections united at the floor levels by hinges with transverse axes.

1,634,491. COMPRESSOR UNLOADER MECHANISM. OSCAR R. CUNDY, Dormont, Pa., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 31, 1924. Serial No. 703,105. 9 Claims. (Cl. 230—24.)



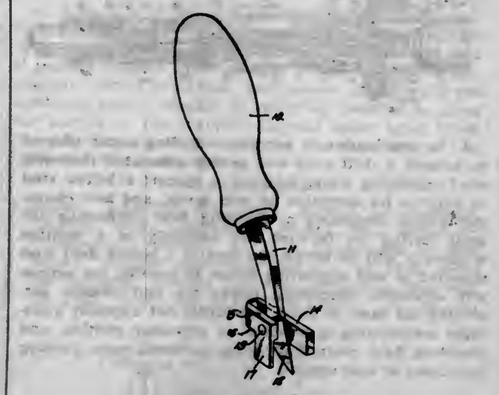
1. In combination, in a compressor system, a plurality of independent compressors, a plurality of pilot valves set for different unloading pressures, and means whereby said several valves may separately unload said several compressors at said different unloading pressures or one of said valves may effect unloading of all of said compressors at its specific unloading pressure.

1,634,492. PAPER TUBE. CHARLES K. DUNLAP, Hartsville, S. C., assignor to Sonoco Products Company, Hartsville, S. C., a Corporation of South Carolina. Filed Mar. 31, 1926. Serial No. 98,885. 17 Claims. (Cl. 242—119.)



1. The method of treating a paper tube preparatory to its use in the textile industry as a core for a thread cop or winding, consisting in subjecting a surface of the same to an abrading action, whereby the ability of such surface to retain thread or yarn thereon without slippage is increased.

1,634,493. CAN OPENER. HEDLEY FALLA, Milford, N. H. Filed June 18, 1926. Serial No. 116,965. 2 Claims. (Cl. 30—3.)

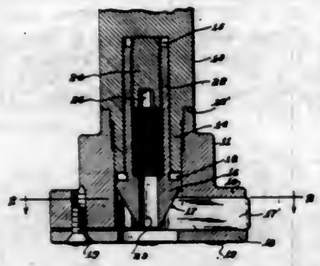


1. In a can opener, a cutting blade and shank portion, and a yoke within the shank portion is pivoted, a downwardly extending guide carried by one arm of the yoke, for engaging the outer side of the can, the middle portion of the yoke and the remaining arm extending below the lower edge of the arm first named and adapted to engage the outer cut edge of the can top and bend it over, incident to the cutting operation.

1,634,494. CUTTER HEAD. FREDERICK T. FLINCHBAUGH, York, Pa., assignor, by mesne assignments, to Flinchbaugh Machine Company, Incorporated. Filed June 9, 1924. Serial No. 718,928. 1 Claim. (Cl. 77—58.)

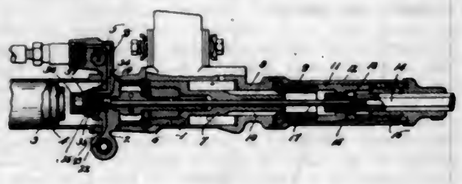
The combination of a boring bar having an annular outer shoulder and an axial bore, a cutter head in threaded engagement with the reduced portion of the bar and having a radial flange at its outer end, cutters arranged in radial slots in said flange, a removable end plate bearing on said cutters for clamping them in place, clamping screws entered in said head at right angles to

said cutters, a conical head bearing against inclined faces at the under sides of said cutters said head having an elongated internally-threaded shank in said axial



bore, and a screw plug in said shank bearing at its inner end against the bottom of said bore, substantially as set forth.

1,634,495. HOLE-CLEANSING DEVICE. ELMER G. GARTIN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 24, 1924. Serial No. 701,369. 8 Claims. (Cl. 121—10.)



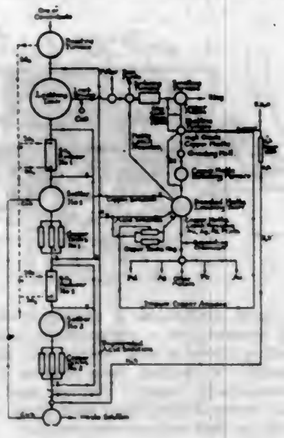
1. In combination, a percussive drilling motor adapted to actuate a drill steel and having associated therewith steel supporting means adapted to support a hollow steel in position for actuation by said motor, and hole cleansing means comprising a cleansing fluid conducting element having its forward end normally in a position wherein it will lie within the bore of a hollow drill steel mounted in said supporting means in position for percussive actuation, supporting means for said element permitting the same to yield rearwardly but normally yieldingly maintaining it in its most advanced position, and cleansing fluid controlling means actuated upon yielding movement of said element.

1,634,496. CEMENTING APPARATUS. GEORGE J. GORSUCH, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 15, 1921. Serial No. 492,413. 36 Claims. (Cl. 91—49.)



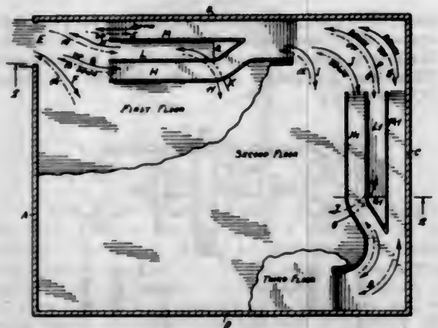
26. In a cementing apparatus, an applying member, a yieldable support, and a pressure member yieldable with respect to the support and co-operating with the applying member.

1,634,497. METALLURGICAL PROCESS. WILLIAM B. GREENAWALT, Denver, Colo. Filed Dec. 6, 1926. Serial No. 152,802. 30 Claims. (Cl. 75—18.)



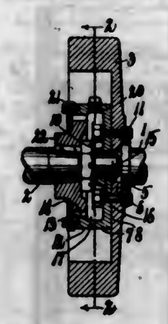
1. A process of treating copper concentrate containing rare or precious metals comprising, roasting the concentrate, leaching the roasted concentrate with a solvent for the copper, then when the copper has been sufficiently extracted from the roasted concentrate by leaching, smelting the residue to concentrate the residual copper and the rare or precious metals into a matte, roasting the matte, leaching the roasted matte to extract the copper, and then treating the roasted matte residue to recover the rare or precious metals.

1,634,498. AUTOMOBILE HOTEL AND GARAGE. ROY C. HECOX, Denver, Colo. Filed May 15, 1926. Serial No. 109,279. 5 Claims. (Cl. 20—1.13.)



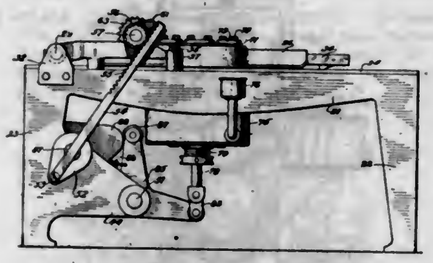
1. In a multiple storage garage having inclined roadways whereby automobiles may pass by their own power up to or down from any floor, each roadway where it leaves any floor being divided longitudinally and its two parts transversely spaced a sufficient distance to permit an automobile to pass between them, the structure being provided with an opening underneath one at least of the spaced inclined roadway parts to allow an automobile on that floor to reach the said space between the two parts of the roadway or to pass from said space to the open floor space, as may be required.

1,634,499. SHAFT COUPLING. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 24, 1924. Serial No. 701,364. 8 Claims. (Cl. 64—32.)



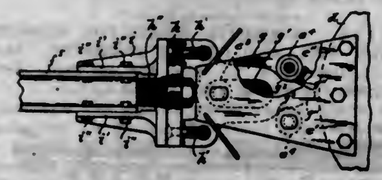
1. In combination, a shaft having a fly wheel, a second shaft, a shaft coupling for connecting said shafts comprising members affording directly engaging internal and external surfaces, said members bearing a fixed relation to their respective shafts, and means for maintaining alinement between said shafts including a second set of cooperating engaging surfaces disposed within the transverse limits of the first set of surfaces.

1,634,500. METHOD OF AND MACHINE FOR LINING THE FLANGES OF CAN ENDS. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 13, 1923. Serial No. 668,267. 27 Claims. (Cl. 113—80.)



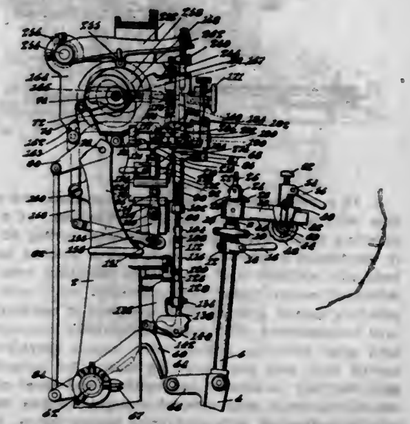
1. A gasket lining machine, comprising means for delivering flanged can covers to a lining station, and a substantially annular continuous die member reciprocable upward and downward relative to a cover to be lined, and from a supply of lining compound, to apply a gasket to the cover flange.

1,634,501. DRAWBAR REVERSE LOCK. VILAS H. JACKSON, Cleveland, Ohio, assignor, by mesne assignments, to The Gustav Schaefer Wagon Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 29, 1925. Serial No. 59,315. 11 Claims. (Cl. 280—33.44.)



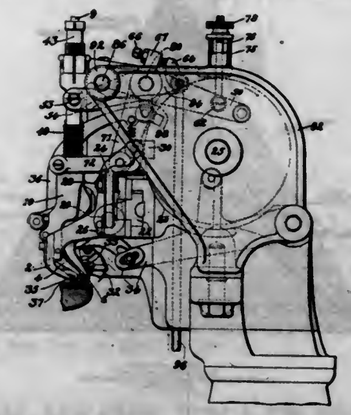
1. The combination with a prime mover and a follower, of a separate tractive-member connected rigidly with each and flexibly with each other, and means for rigidly locking said tractive-members in a horizontal plane upon the reverse movement of the prime mover, substantially as set forth.

1,634,502. ASSEMBLING AND LASTING MACHINE. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 10, 1919, Serial No. 270,495. Renewed Mar. 24, 1925. 69 Claims. (Cl. 12—14.)



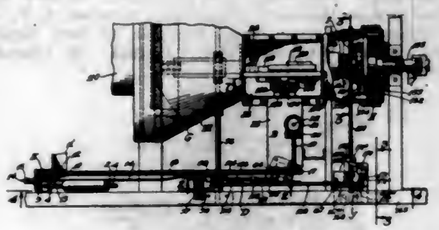
1. A machine of the class described having, in combination, means for deflecting the upwardly projecting margin of an upper extending about the heel seat of a shoe into a position inclined over the shoe bottom but out of substantial contact therewith, and means acting while the deflecting means remains in deflecting position to press the portion of the inwardly disposed upper lying inside the deflecting means relatively to the shoe bottom into contact with the shoe bottom.

1,634,503. LASTING MACHINE. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Mar. 28, 1919, Serial No. 285,804. Divided and this application filed Apr. 20, 1925. Serial No. 24,400. 28 Claims. (Cl. 12—6.)



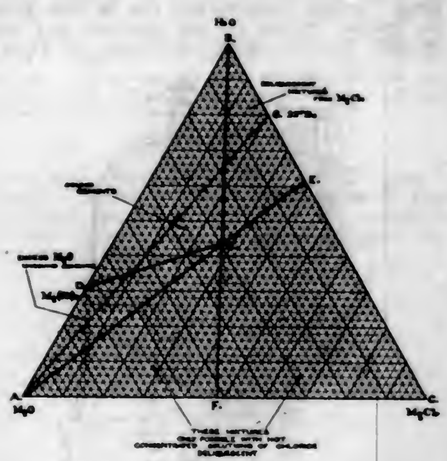
1. In a machine of the class described, the combination of securing means, means for working successive portions of an upper over a last bottom into position to be secured progressively by the securing means, and means for moving the over-working means bodily out of operative relation to the securing means.

1,634,504. AUTOMATIC POWER-TRANSMISSION CONTROL MECHANISM. OVID B. MARK, San Diego, Calif. Filed Feb. 9, 1925. Serial No. 7,856. 23 Claims. (Cl. 74—58.)



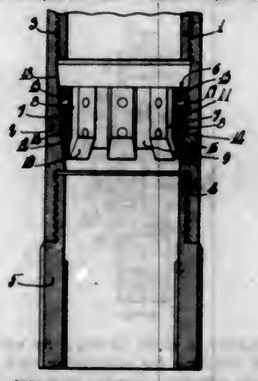
1. In a mechanism of the class described, the combination with a power transmission mechanism, of a manual selecting means comprising a quadrant having an inwardly positioned quadrant channel, and a pivoted and longitudinally resilient and depressible selecting arm, a gear selecting means operatively connected with said manual selecting means, gear shifting members in connection with said transmission mechanism operatively connected with said gear selecting means, lever means operatively connected with said gear selecting means for actuating said gear shifting members, and ratchet and pawl means in connection with said manual selecting means and operatively connected with said lever means for so operating said gear selecting means as to consecutively and variously shift said gear shifting members, the pawl of said ratchet and pawl means being shifted into operative relation with the ratchet thereof when said selecting arm is depressed and shifted into the quadrant channel of said quadrant.

1,634,505. OXYCHLORIDE CEMENT AND PROCESS OF MAKING SAME. WILLIAM J. MCCAUGHEY, Columbus, Ohio, assignor to The Cleveland Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 1, 1922. Serial No. 557,513. 23 Claims. (Cl. 106—29.)



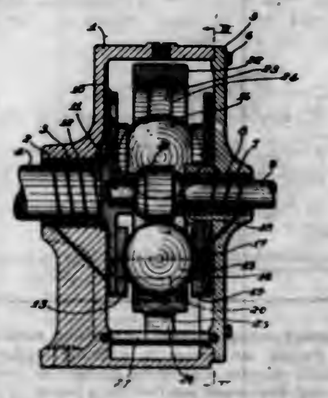
1. An oxychloride cement comprising in combination a comminuted mixture of magnesian limestone of which substantially all the magnesium carbonate ($MgCO_3$) is calcined and substantially all the calcium carbonate ($CaCO_3$) is uncalcined, additional magnesium oxide (MgO), and an alkaline earth chloride.

1,634,506. CORE DRILL. JOSEPH S. MITCHELL, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 30, 1924. Serial No. 710,180. 11 Claims. (Cl. 255—72.)



1. A core lifter comprising separate spaced wedge shaped core engaging members having inclined external surfaces, a conical shaped split spring encircling said members, and means for rigidly securing each of said members to said spring.

1,634,507. BALL TRANSMISSION. GEORGE SMITH MORISON, Pittsburgh, Pa., assignor to Morison Incorporated, Pittsburgh, Pa., a Corporation of Delaware. Filed June 19, 1926. Serial No. 117,167. 10 Claims. (Cl. 74—34.)



1. A transmission device comprising a pair of shafts journalled for rotation in conxial alignment, a cage member adapted to rotate with one of said shafts, a plurality of rollers disposed in said cage in aagular spaced relation and revoluble therewith, and a race for said rollers free to move eccentrically but held against rotation, said rollers being wedged between said race and the other of said shafts whereby to transmit rotation from one to the other of said shafts.

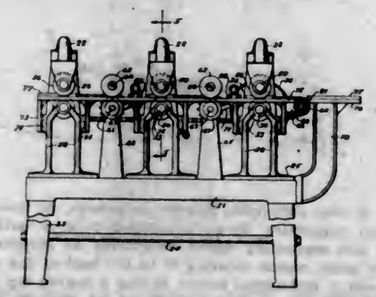
1,634,508. COMPOSITE BLADE FOR SCISSORS, SHEARS, ETC., AND CUTTER THEREFOR. ISAAC PATRICK, Jamaica, N. Y. Filed Apr. 16, 1925. Serial No. 23,506. 10 Claims. (Cl. 30—13.)



1. A composite blade comprising a cutter and a supporting part and means for fastening said parts together,

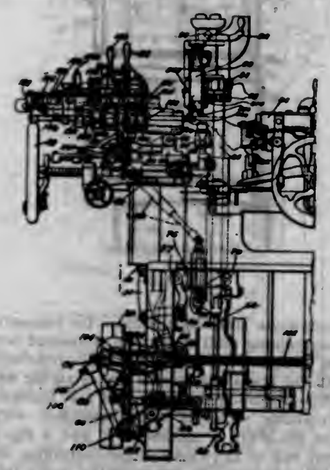
said cutter being a flat plate comprising resilient means at the rear edge thereof extending longitudinally with respect to the cutter, said means engaging over the rear edge of the supporting part.

1,634,509. SCORING MACHINE. JOHN F. PETERS, Rochester, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 11, 1924. Serial No. 685,628. 10 Claims. (Cl. 113—15.)



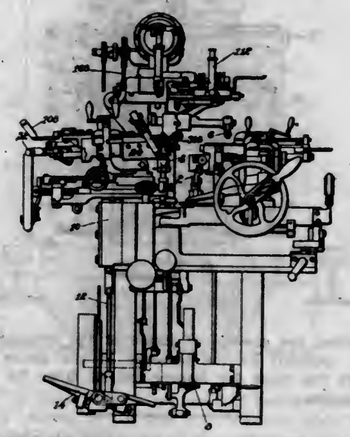
1. A scoring machine, comprising a plurality of successive scoring units constructed for cutting only part way through sheets of metal and disposed in such spaced relationship as to permit a blank to be freed from one unit before being engaged by another, and blank-feeding means for directing the blanks to said scoring units and arranged between each scoring unit and the next succeeding scoring unit.

1,634,510. UPPER-SHAPING MACHINE. ARTHUR F. PYM, Clifton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 15, 1922. Serial No. 568,446. 145 Claims. (Cl. 12—14.)



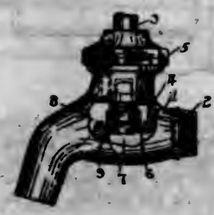
1. A machine of the class described having, in combination, a shoe support, toe embracing wipers, operating mechanism for moving said wipers heightwise of the toe in wiping engagement with the upper materials, said operating mechanism comprising parts relatively adjustable to vary the limit of such movement of the wipers, and a device controlled by engagement with the shoe for effecting such relative adjustment in accordance with the location of the plane of the shoe bottom.

1,634,511. LASTING MACHINE. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 11, 1922. Serial No. 581,170. 89 Claims. (Cl. 12—14.)



1. In a machine of the class described, the combination with end lasting mechanism having means for applying a binder about an end of a shoe to hold the upper in lasted position, of mechanism for forming a binder for use on a shoe, and a binder transferring device constructed to receive a binder from the forming mechanism and adapted to be controlled by the operator independently of the lasting mechanism to transfer the binder from said forming mechanism to the lasting mechanism.

1,634,512. VALVE SEAT AND HEAD. JAMES E. PYNE, Toledo, Ohio. Filed Sept. 2, 1925. Serial No. 53,985. 1 Claim. (Cl. 251—139.)

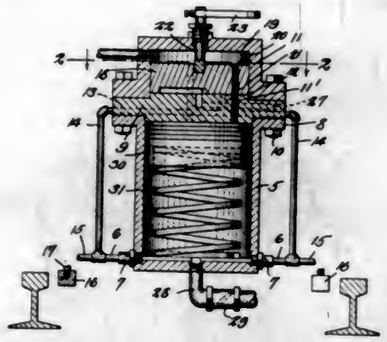


1. In a device of the character described, a cylinder valve seat having a conical flange tightly press fitting the opening and having a spherical surface, a threaded block rotatably supported in the valve and having a central bore, a movable valve member having a spherical surface fitting the spherical surface of the valve seat and a conical stem, the base of the conical stem contacting with the block and having a diameter substantially equal to the diameter of the bore, the said stem having a length less than the depth of the bore.

1,634,513. RAIL OILER. HARRY A. REED and FRANCIS J. REILLY, Jerome, Ariz. Filed Jan. 13, 1927. Serial No. 160,895. 2 Claims. (Cl. 184—3.)

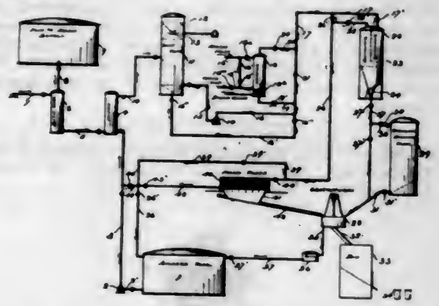
1. In a device of the character described, a cylinder adapted to be supported by railway rolling stock, pipes communicating with the cylinder for receiving oil from the cylinder, nozzles on the pipe for delivering oil to the

rails of the track over which the rolling stock is moving, a steam chamber above the cylinder, an automatically controlled valve operating within the steam chamber for



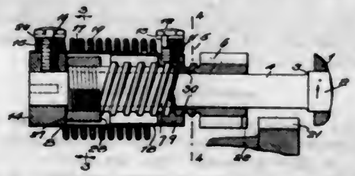
controlling the passage of steam to the cylinder, and a piston operated by the pressure of the steam passing through the valve for forcing the oil from the cylinder and nozzles.

1,634,514. PROCESS OF PREPARING AN ADSORBENT FOR OILS. WIRT D. RIAL and EARLE W. GARD, Wilmington, Calif. Filed Sept. 8, 1925. Serial No. 55,007. 5 Claims. (Cl. 252—2.)



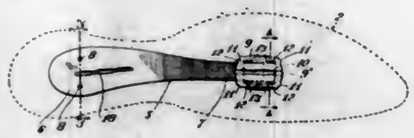
1. The process of preparing an adsorbent for liquid petroleum oils which consists in mixing sulfuric acid with a purified liquid petroleum distillate, in then mixing water insoluble clay with such mixture of acid and distillate, in agitating the mixture, and in then expelling the excess distillate.

1,634,515. DRIVE FOR ENGINE STARTERS. CLARENCE RINGWALD, Chicago, Ill., assignor of one-half to John A. Dienner, Evanston, Ill. Filed Mar. 20, 1925. Serial No. 16,899. 7 Claims. (Cl. 74—7.)



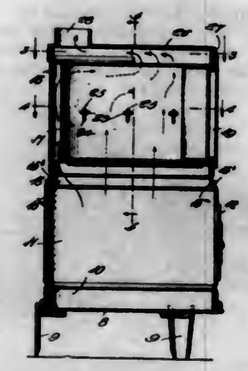
1. In combination, a tubular member having a pinion at one end, a threaded sleeve at the other, a threaded collar on said threaded sleeve, an attaching collar, and a helical drive spring connected to and lying between said two collars, said sleeve being long enough to engage endwise the inside face of the attaching collar when the sleeve is threaded back through the threaded collar as by starting of the engine.

1,634,516. FOOT SUPPORT. HARRY R. ROGERS, Chicago, Ill. Filed Nov. 5, 1923. Serial No. 672,701. 3 Claims. (Cl. 36—70.)



1. A shoe embodying therein an outsole, an insole, and a foot supporting device positioned between said soles, said foot supporting device comprising an elongated metallic plate, means securing it to the heel of the shoe at one end, a metatarsal button having a convex top portion under which the opposite end of said plate is slidably mounted relative to said metatarsal button, said plate being twisted at a point between its ends, whereby said ends when considered transversely extend in different angular planes.

1,634,517. KNOCKDOWN CAMP STOVE. MORRIS ROTSTEIN and ROBERT NICHOLSON, Vicksburg, Miss. Filed Feb. 28, 1927. Serial No. 171,621. 3 Claims. (Cl. 126—9.)

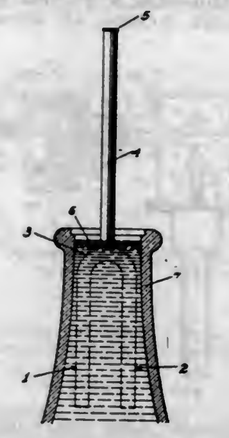


1. A knock-down stove comprising a fire-supporting bottom, a fire-retaining wall removably connected with said bottom, an oven-and-flue-containing wall removably connected with the upper end of said fire retaining wall, said oven-and-flue-containing wall being of less diameter than said fire-retaining wall and being receivable within the latter when the stove is disassembled, and a top secured to the upper end of the oven-and-flue-containing wall and also receivable within said fire-retaining wall; the aforesaid bottom being re-applicable to the lower end of the fire-retaining wall after insertion of the other wall and the top therein.

1,634,518. AUTOMATIC SIPHON. JOHN F. ROTTGER, Modesto, Calif. Filed June 2, 1926. Serial No. 113,130. 1 Claim. (Cl. 137—20.)

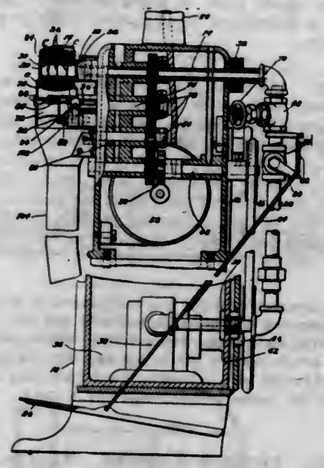
A siphon comprising an inverted U-shaped tube whose legs are of equal length and open on their lower ends,

said legs being spaced apart a distance sufficient to enable both to be inserted simultaneously in the neck of a



milk bottle, and an air passage member also serving as a handle, projecting upwardly from the top of the tube member.

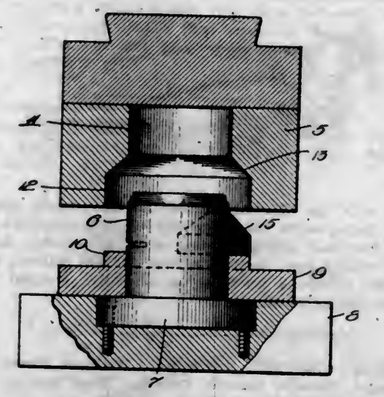
1,634,519. PASTING MACHINE. ERNEST E. SABIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 3, 1922. Serial No. 592,187. 25 Claims. (Cl. 12—80.)



25. In a pasting machine, a casing, a brush projecting from one side of the casing, means for rotating the brush, a paste-receptacle situated within the casing below the brush, a pump immersed in the contents of the receptacle, a conduit connecting the pump and interior of the brush, and a conduit arranged to receive the excess of paste from the brush and leading to the receptacle.

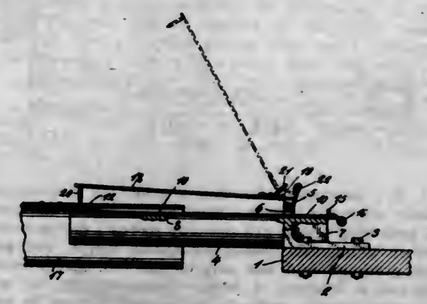
1,634,520. APPARATUS FOR AND METHOD OF MAKING ROD PACKING. HERBERT C. SNYDER, Chicago, Ill., assignor to Stewart Manufacturing Corporation, Chicago, Ill., a Corporation of Delaware. Filed Mar. 10, 1924. Serial No. 698,150. 5 Claims. (Cl. 78—60.)

2. In an apparatus of the class described, the combination of compression die members for compressing packing ring segments to accurate finished size and shape and having an annular recess of greater width and lesser height than the unfinished segment, the unfinished segment being finally finished in said recess, and a master



segment of hard metal free in said recess adjustable annularly therein by the flow action of the metal in the segment being formed.

1,634,521. RIVETING MANDREL. FREDERICK STAPP, Denver, Colo. Filed Dec. 28, 1925. Serial No. 77,984. 2 Claims. (Cl. 78—46.)

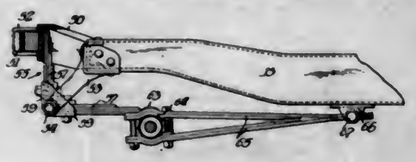


1. A device for use in riveting tubular articles comprising, in combination, a support, a mandrel secured at one end to said support and projecting outwardly therefrom, said mandrel having a dovetailed groove extending longitudinally thereof and located in its upper surface, a strap slidably mounted in said groove and having means at one end for holding a rivet, and a stop at the other end for determining the maximum distance that the strap can be moved in one direction whereby a rivet may be moved to a predetermined position, an indicator arm hingedly connected at one end to said support, said arm carrying a pin and being substantially straight beyond the hinge in the direction of the pin, the length of the said arm from the axis of its hinge to the pin being predetermined so that the rivet when the strap is extended to the maximum distance, is in alignment with the pin, and means for holding the indicator arm in the inoperative position.

1,634,522. SHOCK-ABSORBING MEANS. FREDERICK J. STOLPE, Chicago, Ill. Filed Nov. 9, 1922. Serial No. 599,786. 3 Claims. (Cl. 267—19.)

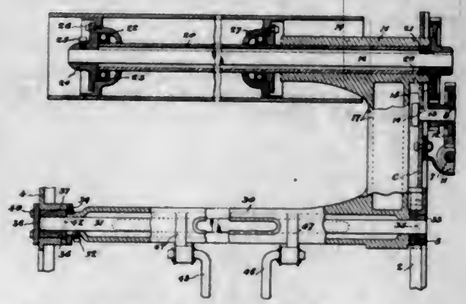
1. Shock absorbing means comprising the combination of leaf springs secured adjacent to the ends of the chassis so as to flex in a horizontal direction, brackets rigidly secured to the chassis so as to depend beneath,

and bell-crank levers pivotally connected at the intermediate point or angle to said brackets so as to oscillate vertically, the arms of said bell-crank levers being composed of juxtaposed resilient metallic plates, with one end of each bell-crank lever having frictional sliding rela-



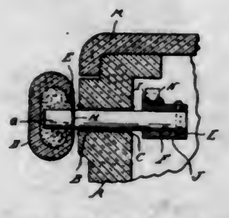
tion with the adjacent end of the horizontally disposed leaf spring while the other end of each bell-crank lever has frictional sliding relation with the adjacent axle of the running gear, the leaf springs and the resilient plates of the bell-crank levers being normally arranged under slight flexure or tension.

1,634,523. IRONING MACHINE. WILLIAM HENRY SUMBLING, Toronto, Ontario, Canada. Filed Mar. 6, 1926. Serial No. 92,926. 8 Claims. (Cl. 68—9.)



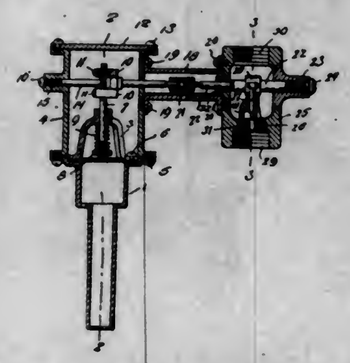
1. In a machine of the class described, in combination, a roll; internally-located supporting-bearing means therefor projecting beyond one end only thereof; driven means located within said supporting-bearing means, and projecting beyond said end only of the roll, and whereby said roll is revolved; a frame; means whereby the said supporting-bearing means is horizontally pivoted in said frame below said roll; a fixed shoe supported by said frame adjacent said roll, and spring-provided lever mechanism to dominate the position of said roll with respect to said shoe through the means of said supporting-bearing means.

1,634,524. OPERATING HANDLE FOR FLUSHING TANKS. JAMES M. TEAHEN, Detroit, Mich. Filed Jan. 31, 1927. Serial No. 164,983. 5 Claims. (Cl. 4—67.)
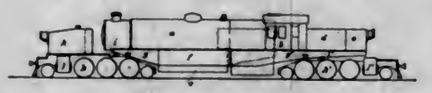


1. An operating device for flushing tanks comprising a hollow vitreous handle, a metallic shank therefor having an arm projecting laterally within said hollow body and a cementitious filling for said hollow body in which said arm is set.

1,634,525. AUTOMATIC TEMPERATURE-CONTROL VALVE FOR LIQUIDS OR STEAM. WILLIAM H. THOMAS, 3d, Little Falls, N. Y. Filed Apr. 13, 1926. Serial No. 101,774. 2 Claims. (Cl. 236—99.)



1. In a thermostatic control valve, a liquid filled bulb to be inserted in a milk or other liquid passage, a metallic diaphragm closure at one end, a rock shaft, a lever extending from the rock shaft, an adjustable contact member fitted so as to transfer any motion of the diaphragm to the rock shaft through the lever, a second rock shaft, a chest, the first rock shaft being adjustably connected to the second rock shaft in the chest, and automatically adjusted taper seat bearing to prevent water or steam leakages around the second shaft, a needle valve, a lever adjustably mounted on the second shaft in contact with the needle valve to which the motion of the diaphragm is transferred in proportion to the length of the two levers.

1,634,526. LOCOMOTIVE. HEINRICH WIRTH, Munich, Germany, assignor to the Firm J. A. Maffei, Munich, Germany. Filed Oct. 15, 1926, Serial No. 141,704, and in Germany Apr. 9, 1926. 3 Claims. (Cl. 105—37.)



1. A locomotive having two independently driven bogies, one supporting the main frame only and the other supporting the main frame and a storage container, the main frame, which carries the boiler and cab, having a rearward extension with a bunker or a bunker and tank thereon, and the forward bogey carrying a tank.

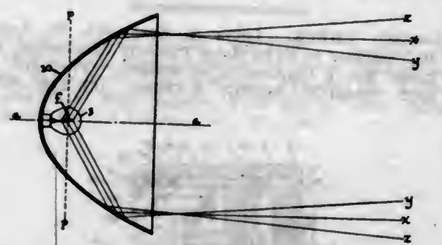
1,634,527. STORAGE BATTERY. WILLIAM H. WOOD, South Euclid, Ohio. Filed Oct. 15, 1924. Serial No. 743,844. 8 Claims. (Cl. 136—150.)

1. The process of treating the wood separators of lead accumulators which contains the step of immersing them in sulphuric acid of a specific gravity above 1.300 and below 1.500 until sufficient cellulose is removed therefrom to increase the porosity sensibly, but without disintegration of the organic structure and afterward reducing the concentration of the adherent acid.

1,634,528. LAMP. WILLIAM H. WOOD, South Euclid, Ohio. Filed July 18, 1925. Serial No. 43,159. 1 Claim. (Cl. 240—41.)

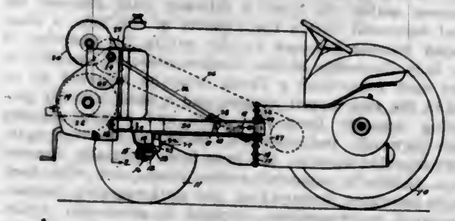
The combination with a reflector having a substantially horizontal axis and a focal point, of an incandescent lamp bulb having a filament consisting of a metallic

strand wound in a closely adjacent series of oblong turns producing a flattened helix which exhibits substantial length and breadth combined with a compara-



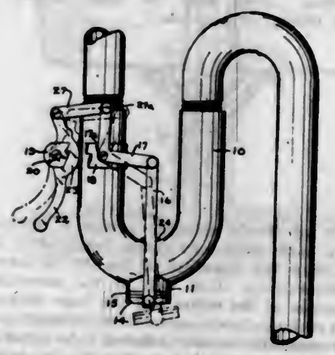
tively small thickness and defines a plane which is symmetrically arranged relative to the vertical plane which includes said axis.

1,634,529. HOISTING APPARATUS. CLIFFORD E. ALLISON, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed June 1, 1925. Serial No. 33,931. 4 Claims. (Cl. 180—53.)



1. In a hoisting apparatus, the combination of a tractor including a tractor frame and front axle bracket with a pair of attachment frames rigidly attached to the sides of said tractor frame, said attachment frame having a downwardly arching tie uniting the forward ends of said attachment frame, said tie having a forwardly projecting lug adapted to rest on said axle bracket; and means for holding said lug in position on said axle bracket.

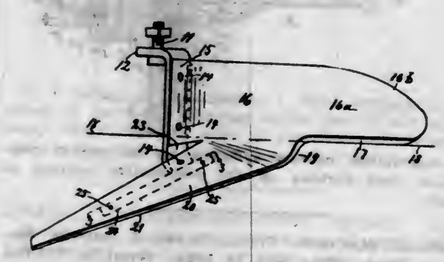
1,634,530. DRAIN TRAP. CHARLES W. ANDERSON, Milan, Ohio. Filed Apr. 8, 1926. Serial No. 100,527. 4 Claims. (Cl. 182—24.)



1. In a device of the character described, the combination of a drain fitting, there being a drain opening formed in the lower part of the fitting, a plug for sealing the

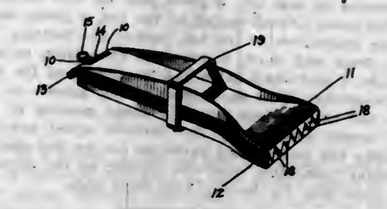
opening, said plug having a resilient member mounted thereon to engage the fitting around said opening, a pair of upright members attached to the plug for pivotally suspending the plug, laterally extending guiding means for keeping said upright members in alignment with the opening of the fitting when the plug is dropped therefrom and lever members including a cam lever for locking said upright members in such position as to cause said plug to seal the opening.

1,634,531. CULTIVATOR BLADE. FRANK ROBERT BERGSTEN, Elk River, Minn. Filed Apr. 26, 1926. Serial No. 104,579. 4 Claims. (Cl. 97—207.)



1. A cultivator blade adapted to be secured to a cultivator, said blade consisting of a metal blade having an elongated normally vertical front portion with its upper edge slanting forwardly and downwardly and its lower edge arranged to ride practically on the surface of the ground, the rear half or portion of the blade being deeper and having a sharp cutting edge and a laterally diverging inclined wing with a sharp front edge.

1,634,532. CLAMP. DENIS E. BOWE, Waseca, Minn. Filed Aug. 6, 1923. Serial No. 655,883. 4 Claims. (Cl. 24—251.)

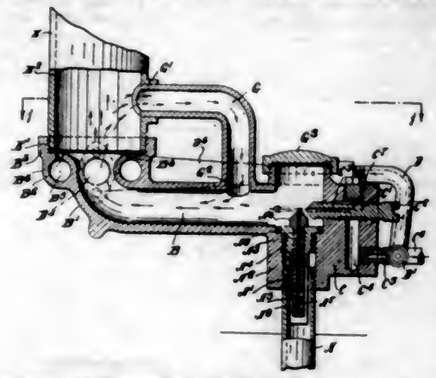


1. A clamp comprising a pair of pivotally connected jaws movable to and from clamping position, a member surrounding both jaws and movable thereon, one of the jaws having marginal portions angularly projecting from the jaw and the outer edges of said portion providing cam surfaces for engagement by said member whereby the jaws may be moved to clamping position.

1,634,533. PROCESS OF COMBUSTION. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Oil Devices Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1924. Serial No. 684,523. 11 Claims. (Cl. 158—117.5.)

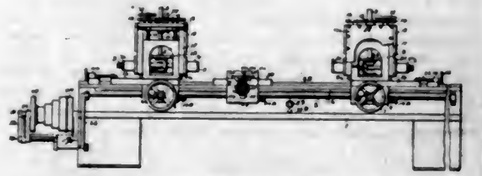
1. The method of burning a hydrocarbon which consists in directing a non-combustible gaseous conveying jet into a mixing zone, delivering a liquid hydrocarbon to said jet, for atomization thereby, at a point adjacent the discharge of said jet, directing into said jet, subsequent

to the mixing of the hydrocarbon therewith, the waste gases of combustion and thereby forming a substantially non-combustible mixture, and thereafter delivering to said



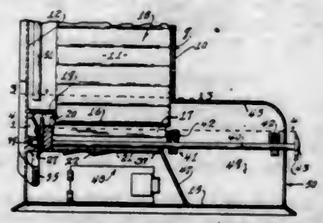
non-combustible mixture sufficient air to support combustion, and burning off the combustible mixture so formed.

1,634,534. MACHINE TOOL. ALDEN R. BREWER, Spokane, Wash. Filed Sept. 15, 1924. Serial No. 737,730. 3 Claims. (Cl. 29—27.)



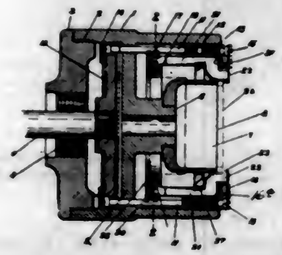
1. In a multiple use machine of the kind described, the combination of a bed, one or more saddles slidable on the bed, swivel supports on said saddles, vertically adjustable heads mounted on said swivel supports, double ended work spindles mounted on said heads, a carriage also mounted on said bed, a cross slide on said carriage, a variable speed driving means on the bed, a power shaft extending lengthwise of the bed, means for rotating the spindles from said shaft, a reversible connection to said cross slide, a feed shaft extending lengthwise of the bed, means connecting it to the driving means, aprons on the saddles and the carriage, variable speed gearing in the aprons, means operated by the variable speed gearings for feeding the saddles and carriages on the bed and an independent connection from the gearing on the carriage to the cross slide for moving said cross slide.

1,634,535. COIN CARRIER FOR MULTIPLE-VENDING MACHINES. WILLIAM C. CUTLER, Glendale, Calif., assignor to Isabella M. Cutler, Glendale, Calif. Filed Oct. 13, 1925. Serial No. 62,255. 5 Claims. (Cl. 194—80.)



1. In a vending machine, a fixed coin chute, a coin carriage movable to any one of a plurality of selective positions; said carriage movable into position to receive a coin from said chute, a casing entirely enclosing said chute and carriage respectively, and selecting means operable externally of the casing to move said carriage into such selective positions.

1,634,536. CHUCK. LOUIS A. EDELMANN, St. Louis, Mo., assignor to Unico-Motor Products Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 4, 1922. Serial No. 592,307. 3 Claims. (Cl. 279—107.)



1. A chuck including, in combination, a chambered body, a work-engaging member rigidly supported by and disposed within the body, a follower plate disposed for axial movement within the chamber of the body, a ring-shaped member disposed axially within the chamber of the body forwardly of the follower plate, a plurality of jaws each comprising a shank pivotally mounted at an end in the ring-shaped member and a head laterally projecting inwardly from the shank and having opposite faces forwardly and rearwardly presented relatively to the work-engaging member, the jaws being normally disposed in a yieldingly expanded series about, and with their heads presented forwardly of, the work-engaging member, elongated screw-members disposed longitudinally within the chamber of the body and fixed at an end in the follower plate and a cam ring disposed forwardly of the jaw-heads and attached to said screws, the ring-member being seated upon said screw-members, and said cam-member being adapted, on shiftable movement of the follower plate, for engagement with the jaws at the forwardly presented faces of their heads for radially contacting the jaws to engage the work at the opposite rearwardly presented faces of their heads in co-operation with the work-engaging member.

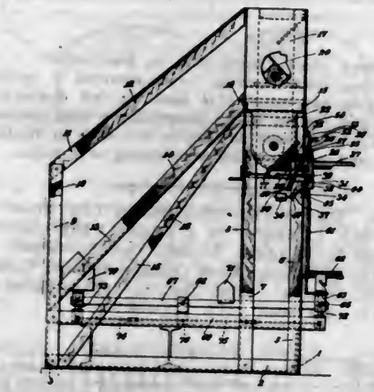
1,634,537. RESILIENT LIFT FOR BOOT AND SHOE HEELS. CHARLES EMANUELE, Cleveland, Ohio, assignor of one-half to Frank J. Delbel, Cleveland Heights, Ohio. Filed Aug. 29, 1923. Serial No. 659,909. 1 Claim. (Cl. 36—35.)



A heel lift of elastic material having a three-sided cavity in its outer side, said cavity being of a depth enough less than the thickness of the lift to leave an integral, comparatively thick wall of the material between the bottom of the cavity and the inner surface of the lift, and an imperforate, open-center triangular insert of relatively nonelastic material adapted to be fitted within said cavity, said insert being considerably less in thickness than the cavity is deep and having a greater area than the normal area of the cavity whereby when the insert is forced into the cavity it will impart a con-

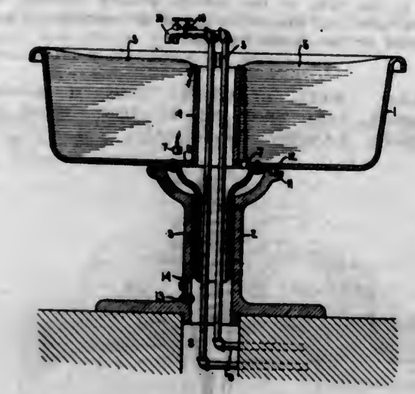
cavo-convex condition to, and in all directions throughout the entire area of, the lift, and attaching means adapted to be driven at optional locations through the insert and the underlying wall of material.

1,634,538. BAG-FILLING MACHINE. NATHAN M. FEGELY, Iola, Kans., assignor, by mesne assignments, to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed May 15, 1925. Serial No. 30,454. 4 Claims. (Cl. 226—48.)



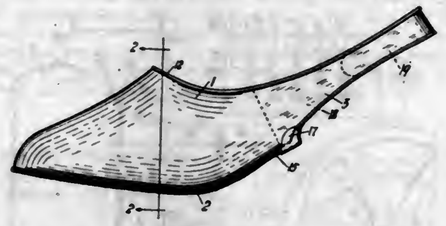
1. In a valve bag filling machine the combination of a discharge throat having a discharge opening, a substantially horizontal pivotally mounted valve bag supporting means for supporting the valve of a valve bag normally in register with said opening and movable vertically relative thereto and adapted to be tipped downwardly about its pivot, closure means for said throat opening movable with said supporting means to thereby close said opening, locking means for holding said bag supporting means in a substantially horizontal position and means to release said locking means.

1,634,539. LAUNDRY APPARATUS. WALTER A. FRANTZ, Cleveland, Ohio. Filed July 24, 1922. Serial No. 577,119. 12 Claims. (Cl. 68—31.)



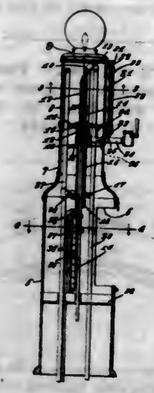
1. A laundry device comprising a hollow pedestal and a unitary tube rotatably supported thereon having a plurality of compartments adapted for the independent reception of liquids, each compartment having an independent discharge outlet which communicates with the interior of said pedestal.

1,634,540. RUBBER FOOTWEAR. HARRY C. HARRISON, Taplow, England, assignor to St. Helens Cable and Rubber Company Limited, Slough, Bucks, England, a Corporation of Great Britain. Filed May 8, 1926. Serial No. 107,686. 8 Claims. (Cl. 36—4.)



3. A rubber overshoe having a vamp comprising two layers of rubber of different colors, one of the layers being rolled over the edge of the other and exposed, whereby the effect of piping is secured.

1,634,541. GASOLINE-DISPENSING STAND. NOBLE HENNINGSEN, Salem, Oreg. Filed Aug. 15, 1922. Serial No. 582,063. 2 Claims. (Cl. 221—100.)

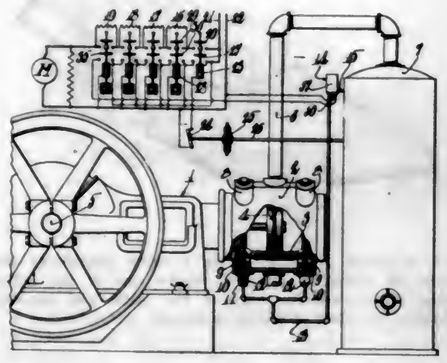


1. In a liquid measuring and dispensing device, a casing, a reservoir mounted on top of the casing, a supply pipe rising through the casing and into the reservoir, an overflow pipe extending downwardly from the reservoir through the casing, a measuring tube adjustably mounted through the top of the casing to project into the reservoir to different heights and carry off predetermined quantities of liquid therefrom, a well in the casing surrounding the lower end of said measuring tube, and a drain connection between the lower end of said well and said overflow pipe whereby said reservoir, measuring tube, well and overflow pipe may be entirely drained of liquid when said drain connection is opened and when said measuring tube is lowered in the well.

1,634,542. COMPRESSOR-CONTROLLING MECHANISM. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Dec. 28, 1922. Serial No. 609,371. 13 Claims. (Cl. 230—24.)

1. In a compressor controlling system, a compressor, electric driving means therefor, fluid pressure operated unloading means for said compressor, controller means

for said driving means, and means controlled by said controller means for controlling said unloading means including a valve moved in one direction by receiver



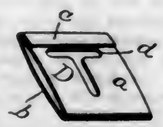
pressure and means for moving said valve in the opposite direction including a plurality of electromagnets each offset from the line of movement of said valves.

1,634,543. FURNACE CASING. CHARLES D. HYATT, Coldwater, Mich., assignor to Homer Furnace Company, Coldwater, Mich. Filed Mar. 13, 1926. Serial No. 94,559. 6 Claims. (Cl. 126—114.)



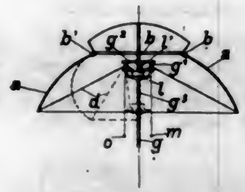
1. A structure of the class described comprising inner and outer walls, corrugated spacing strips secured to the outer wall, and bendable supporting strips for the inner wall secured in opposed pairs on the outer wall to engage the edges of the inner wall.

1,634,544. TAG. HANS A. JOHNSOS, Chicago, Ill. Filed Mar. 24, 1927. Serial No. 177,927. 3 Claims. (Cl. 40—26.)



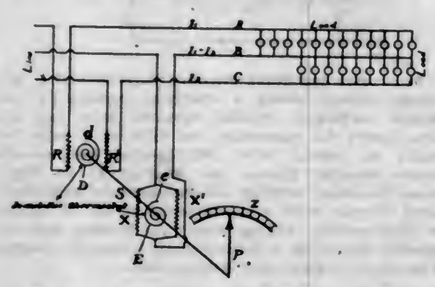
1. A tag of the character described, adapted to be attached to a garment button, said tag being in the form of a flattened tube, the inner wall or member of the tag having a button-receiving slot and the outer wall or member being adapted to cover a button and display printed or written matter.

1,634,545. LAMP SHADE. ROBERT LEVY, Berlin, Germany. Filed May 18, 1925, Serial No. 30,964, and in Germany Nov. 12, 1924. 5 Claims. (Cl. 240—108.)



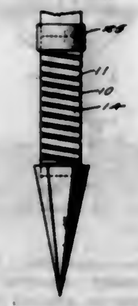
1. A lamp shade, comprising in combination a stationary ring, cloth carrying levers mounted to oscillate on said ring and adapted to normally fall downwardly by their own weight means comprising a ring operating to oscillate said levers and adjust the same in stretched position, and spring members operating said means.

1,634,546. MEANS FOR MEASURING THE FLOW OF ELECTRIC CURRENT IN A THREE-WIRE CIRCUIT. STANLEY L. B. LINES, Toronto, Ontario, Canada, assignor to The Lincoln Meter Company Limited, Toronto, Ontario, Canada. Filed Dec. 5, 1923. Serial No. 678,617. 5 Claims. (Cl. 171—95.)



1. Means for measuring the flow of electric current in a three wire circuit, comprising a mechanically operated indicator, means responsive to the flow of the current passing through the outer line wires arranged to effect the operation of said indicator, and, means responsive to the flow of the current passing through the neutral wire, and adapted to oppose the operation of said indicator by the aforesaid means.

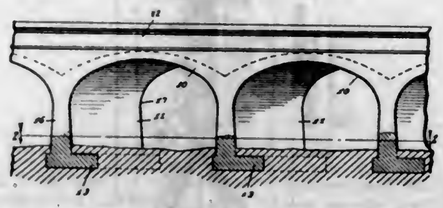
1,634,547. WELL STRAINER. JOHN M. LOSACK, Orchard, Tex. Filed Dec. 31, 1926. Serial No. 158,278. 9 Claims. (Cl. 166—8.)



1. A well strainer comprising a body having an interior passage and a groove in its outer wall, the bottom of the groove being in communication with the passage and a

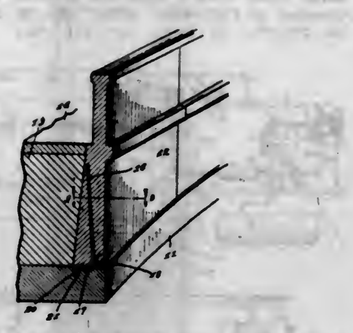
member wholly within the groove contacting the wall thereof at a plurality of points, at least one of the wall contacting portions of the member having grooves placing the bottom of the groove of the body in communication with the exterior of the body.

1,634,548. SKEW ARCH. DANIEL B. LUTEN, Indianapolis, Ind. Filed Aug. 21, 1925. Serial No. 51,547. 2 Claims. (Cl. 72—8.)



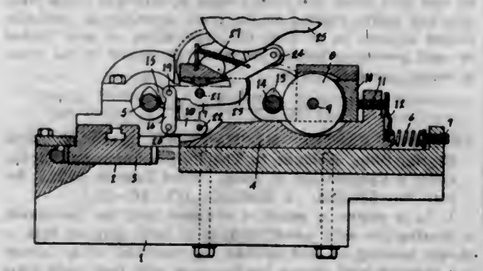
1. A skew bridge, comprising a plurality of skew arches, one or more piers supporting adjacent ends of adjacent arches, said piers being oblique with respect to the roadway, and footings for said piers, said footings being offset from the pier so that they are more nearly perpendicular to the roadway than are the piers themselves.

1,634,549. EXPANSION-JOINT DRAIN. DANIEL B. LUTEN, Indianapolis, Ind. Filed Aug. 21, 1925. Serial No. 51,548. 8 Claims. (Cl. 72—8.)



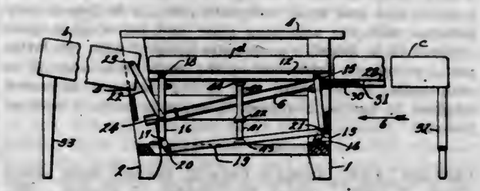
1. A wall having an expansion joint, which expansion joint has within it a groove which slopes downward toward the front face of the wall.

1,634,550. LATHE. HERMAN W. MELLING, Jackson, Mich. Filed Dec. 10, 1926. Serial No. 153,855. 5 Claims. (Cl. 82—19.)



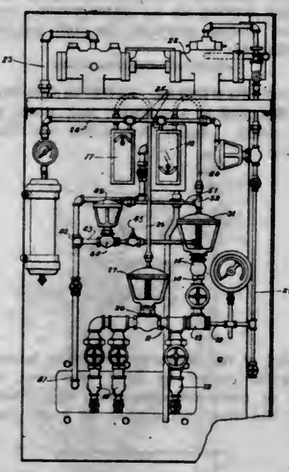
1. In a structure of the class described, the combination of a work carriage, means for rotatably supporting the work on said carriage, a tool carriage reciprocating laterally of said work carriage, a master cam which is a replica in shape of the work to be cut, an abutment roller on said tool carriage coacting with said cam, a tool, a tool holder, a pair of links on which said tool holder is pivotally mounted on said carriage in parallel relation, one of said links being provided with an arm, a cam coacting with said arm whereby said tool holder is oscillated in a plane transverse to the axis of the work and the cutting edge of the tool in relation to the work corresponds with the point of contact of the master cam with the abutment roller, and means for driving the work and the master cam at the same speed.

1,634,551. FURNITURE. FRED E. MOORE, Los Angeles, Calif. Filed Apr. 17, 1926. Serial No. 102,652. 3 Claims. (Cl. 5—41.)



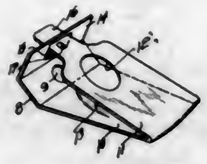
1. Improvements of the character disclosed, comprising a frame, first and second cushion members normally positioned one above the other, a cushion back hinged to said frame, guide means between the said frame and the uppermost cushion member whereby said uppermost cushion member may be extended forwardly relative to the frame member, guides carried by the lower-most cushion member and means receivable in said guides and associated with the back whereby when the back is tipped relative to the frame member, said lowermost cushion member is raised a determined distance relative to the frame.

1,634,552. HUMIDIFIER. AARON S. NICHOLS, New York, N. Y. Filed May 14, 1923. Serial No. 638,944. 6 Claims. (Cl. 34—19.)



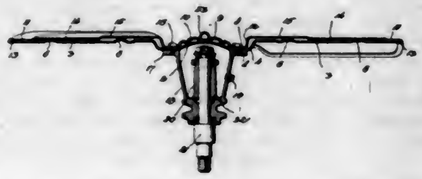
2. A deflation signal comprising an attaching plate and a flange rigid therewith having a slot, a V-shaped body integral with the attaching plate and comprising a plate adapted to be flexed, a snap-plate forming part of the V-shaped body and adapted to reciprocate as the other plate is flexed, and a tappet on the snap plate adapted to co-act with a wall of the slot.

1,634,553. TIRE SIGNAL. CAMERON W. OSTROM, Brewster, Wash. Filed Dec. 4, 1926. Serial No. 152,592. 3 Claims. (Cl. 116—34.)



3. A deflation signal comprising a single piece of resilient metal and formed with an attaching plate having a bolt hole therein, an angularly disposed flange having a guide slot and rigid with said plate, a V-shaped body integral with the attaching plate and including a plate adapted to be flexed, a snap plate integral with the latter plate, a reduced extension on the snap plate adapted to reciprocate in the slot, and a lug on said extension adapted to act as a tappet in coaction with a wall of the slot.

1,634,554. FAN. ANTONIO PAJALIC, Detroit, Mich. Filed Dec. 7, 1925. Serial No. 73,654. 5 Claims. (Cl. 170—172.)



1. A fan comprising two sheets of metal cut and stamped to provide members, which are spaced apart and one of said members embossed to brace the other member and maintain the spaced relation of said members, each member having a hub portion and blades, one of said members serving as an outer cover over the other member, and means securing the hub portions of said members together.

1,634,555. CATAMENIAL SACK AND WOMB SUPPORT. WILLIAM S. PELOUBET, New York, N. Y. Filed Feb. 16, 1925. Serial No. 9,398. 2 Claims. (Cl. 128—285.)



1. A device of the character described having two cups and a disk-like pocket in axial alinement, one of said cups being in communication with the interior of said pocket and the other being shut off from communication therewith.

1,634,556. MACHINE FOR MANUFACTURING METALLIC PACKING. HAMPTON P. RHODES and RICHARD F. KREITER, Houston, Tex.; said Kreiter assignor to said Rhodes. Filed Dec. 26, 1925. Serial No. 77,880. 4 Claims. (Cl. 154—1.)

1. In an apparatus of the character described, an upright supporting plate, a series of vertically disposed forming rollers mounted for rotation thereon, a smaller plate adjacent to said first-named plate, hinges connecting said plates and upon which said smaller plate is adapted to swing, a series of rollers on said smaller

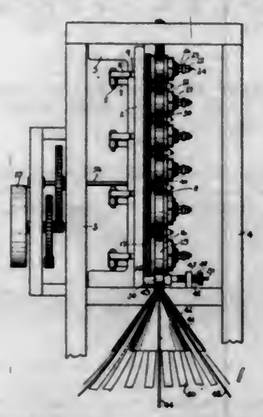
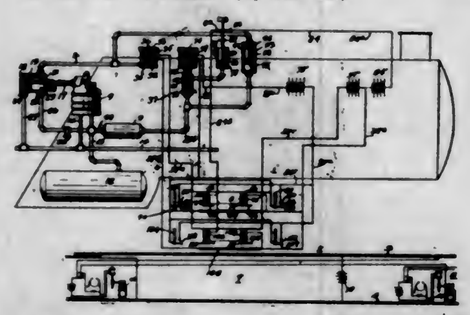


plate cooperating with said forming rollers to grip a cable between them, means to feed flexible packing material to said rollers and means to rotate all said rollers.

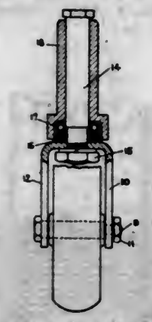
1,634,557. AUTOMATIC TRAIN CONTROL. THOMAS M. RIGGLE, Oakland, Calif., assignor to Riggle Automatic Train Control Company, Oakland, Calif., a Corporation of California. Filed Apr. 29, 1924. Serial No. 709,779. 15 Claims. (Cl. 246—63.)



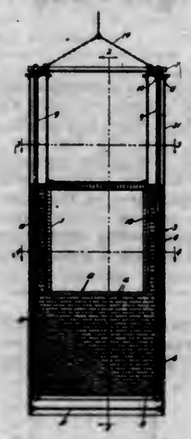
3. In an automatic control for trains, the combination with a series of insulated track sections and an air brake system carried by the train, of a displaceable track magnet associated with each track section, means operative to displace a track magnet when the associated track section is not in normal condition, means carried on the train operative to effect the application of the air brakes by and only when the train passes a displayed track magnet, and means carried on the train operative by said displaced magnet to prevent the application of said brakes by said preceding means providing the speed of the train is below a certain rate.

1,634,558. CASTER MECHANISM. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed June 9, 1922. Serial No. 566,925. 3 Claims. (Cl. 16—21.)

1. In a caster, a wheel, a spanner fork for the wheel, a bearing for said wheel secured to said spanner fork, a thrust bearing on said spanner, a removable stem extending through said thrust bearing and said fork, said stem having a shoulder engaging the upper face of the thrust bearing, a nut removably threaded on to the end of said stem projecting through the spanner fork, said nut normally securing said stem to said spanner fork and securing the shoulder on said stem against said thrust bearing, a sleeve surrounding said stem, said sleeve having a shoulder at one end, balls between said sleeve shoulder and said thrust bearing, and an annular bearing intermediate said sleeve shoulder and said ball bearings.



1,634,559. DAMPER CONSTRUCTION. WALTER A. SCHMIDT, Los Angeles, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 22, 1924. Serial No. 751,648. 8 Claims. (Cl. 110—163.)



1. A damper construction comprising in combination with a flue, fixed housing means extending beyond the side and bottom walls of said flue, a metal frame movably mounted within said housing and wholly outside the cross section of the flue, a damper consisting of refractory material supported upon said frame, and means for moving the frame and the damper supported thereby so as to move the damper into and out of position to close the flue.

1,634,560. DROP-FEEDING DEVICE. ALEXANDER L. SCHRAM, Hillsboro, Ill., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind., a Corporation of Indiana. Filed Nov. 17, 1924. Serial No. 750,289. 6 Claims. (Cl. 49—55.)



1. A drop feeding device comprising a trough having a bottom, side walls and a front wall and in direct communication with a glass furnace, a discharge orifice formed in the bottom of said trough and spaced from the front and side walls, a bushing located in said discharge orifice, a crescent-shaped block located in said trough and abutting the front wall, and a covering for said trough.

1,634,561. LIGHTING FIXTURE. SAUL SHAPIRO, New York, N. Y., assignor to Artcraft Metal Stamping Corporation, a Corporation of New York. Filed Mar. 3, 1926. Serial No. 91,943. 2 Claims. (Cl. 29—180.)

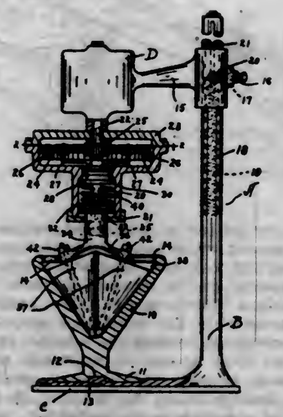


1. An ornamental, readily bendable metallic bracket member for use in electric light chandeliers and the like, comprising a longitudinally extending web portion and relatively thick longitudinally extending substantially solid beads extending along the edges of the web, the beads being integral with the web and extending substantially an equal amount above and below the surfaces of the web, whereby the strap is symmetrical about a median plane parallel to the web and presents substantially the same appearance on each side, and is bendable with equal facility in either direction, the solidity of the beads preventing their collapse during such bending.

1,634,562. METHOD OF MAKING STRAPS. SAUL SHAPIRO, New York, N. Y., assignor to Artcraft Metal Stamping Corporation, a Corporation of New York. Filed May 20, 1926. Serial No. 110,490. 11 Claims. (Cl. 29—155.5.)

1. The method of making a readily bendable metallic strip, comprising bending up an edge of the strip, then turning it inwardly and compacting it into a substantially solid mass of metal to form a thickened, rounded solid rib extending along an edge of the strip, the strip being bendable without distortion of the rib.

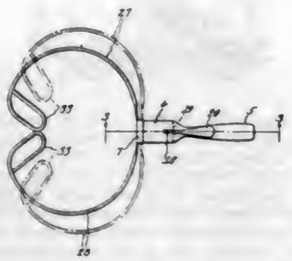
1,634,563. DRUG MIXER. WILLIAM N. SHAW, Fargo, N. Dak. Filed Nov. 5, 1925. Serial No. 66,999. 7 Claims. (Cl. 83—10.)



1. A drug mixer including, a standard, a mortar adapted to be supported by said standard, an electric motor slidably supported on said standard and contacting mixing

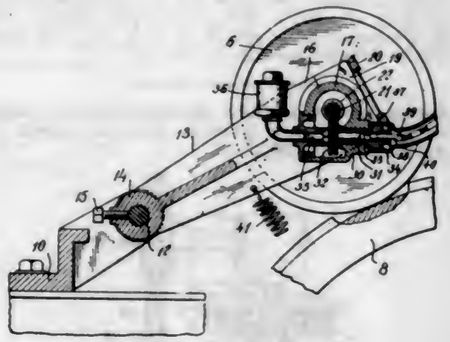
members adapted to be operated and supported by said motor in a manner to be moved into and out of operation on the standard to provide a mixer for drugs and articles of a similar nature.

1,634,564. GAME DEVICE. JOHN STIEBL, Cleveland, Ohio. Filed Oct. 20, 1926. Serial No. 142,880. 1 Claim. (Cl. 119—154.)



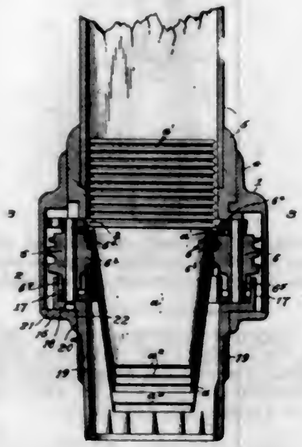
A catching device comprising a handle having a slot at its front end, a bore extending rearwardly from said slot, and a recess opening from said bore through the side of the handle, a pair of crossed hooks pivoted in said slot and projecting from the front end of the handle, a spring pressed rod mounted in the bore in the handle, links in said slot between the rod and the rear ends of the hooks, and a lever mounted on the handle and extending into said recess and connected to the rod to open the hooks.

1,634,565. DRIVE FOR SPEED-RESPONSIVE INSTRUMENTS. ANTHONY F. WALLBILLICH, Newark, N. J., assignor to Distance-Speed Recording Company, a Corporation of Delaware. Filed Aug. 19, 1924. Serial No. 733,013. 1 Claim. (Cl. 74—7.)



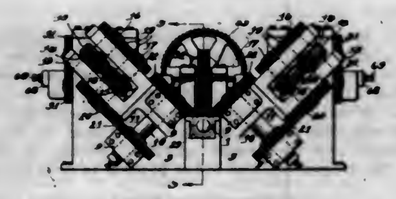
A device for driving an instrument for indicating the speed of a moving vehicle, comprising the combination of a support secured to a fixed part of the vehicle, an arm pivotally mounted on the support, this arm terminating in forked ends, a housing carried by the support, a shaft rotatably mounted in the housing, a wheel carried by the shaft beyond the housing and adapted to lie in contact with the tread of one of the vehicle wheels to be rotated thereby as the vehicle moves, a secondary shaft within the housing driven by the first shaft and connected to the speed-responsive mechanism, and a device for lubricating the secondary shaft secured to the housing and lying in the space between the forked ends of the arm in which the housing is mounted.

1,634,566. CUP DISPENSER. EDWIN G. WESSMAN, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 3, 1923. Serial No. 629,611. 5 Claims. (Cl. 211—8.)



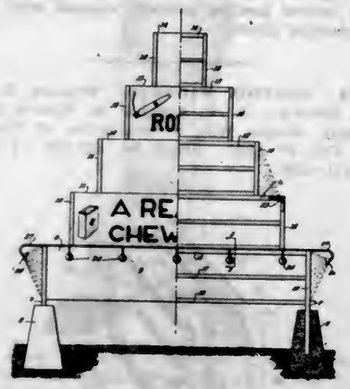
1. In an apparatus for dispensing cups having lateral flanges spaced apart when the cups are nested, a container for a stack of cups, a plurality of rotary worm members disposed about the discharge end of the container and adapted to feed the cups singly from a stack of nested cups within the container, said worm members having initial thread turns of the same pitch spaced to correspond to the spacing of the flanges of the nested cups, and with a succeeding thread turn portion of increased pitch, and operating means for the rotary worm members.

1,634,567. AUTOMATIC SPIKE MACHINE. GOTTLIEB WEBER, Youngstown, Ohio. Filed Dec. 7, 1922. Serial No. 605,464. 19 Claims. (Cl. 10—58.)



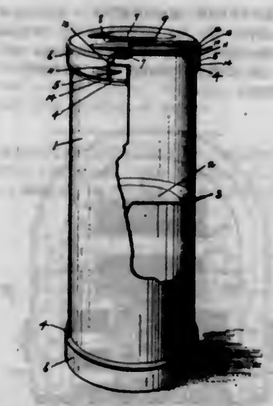
5. In a spike machine, severing mechanism adapted to cut spike blanks from bar stock, gripping and heading mechanism and means for conveying said blanks from said severing mechanism to said gripping mechanism, comprising a slide, a cam mounted on said slide, a carriage movable adjacent to said slide, a transversely movable nipper mounted on said carriage and arranged to be actuated by said cam to engage spike blanks, resilient means arranged to allow movement of said cam when the gripping pressure on a spike blank becomes excessive, rods severally connected to said slide and carriage, and means for actuating said rods to impart reciprocating movement to said slide and carriage.

1,634,568. ADVERTISING SIGN. JOHN E. BOLLMAN, Rockford, Ill. Filed Apr. 19, 1923. Serial No. 633,057. 2 Claims. (Cl. 40—130.)



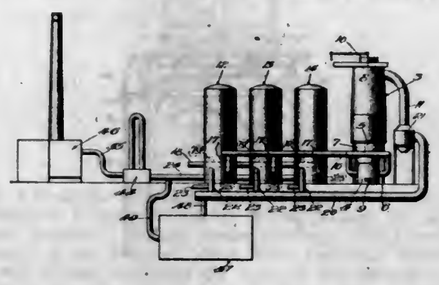
1. A road sign comprising a base, a series of frame structures superposed one above another on said base, each having a noticeably smaller base than its supporting structure and its vertical walls providing sign boards which collectively comprise a definitely stepped pyramidal display, the steps being wide enough to provide places where boards may be supported to serve as working platforms for workmen to stand on when placing advertising matter on the sign boards, and means for illuminating said sign at night, said means when mounted on the sign itself being preferably disposed on the sign boards beneath the ones to be illuminated and positioned at the rear and adjacent to the top thereof so as to direct the light rays upwardly and inwardly to the sign boards to be illuminated.

1,634,569. REVERSIBLE ICE-CREAM CAN AND THE LIKE. ALBERT BRAY, Los Angeles, Calif. Filed July 21, 1926. Serial No. 123,833. 1 Claim. (Cl. 220—40.)



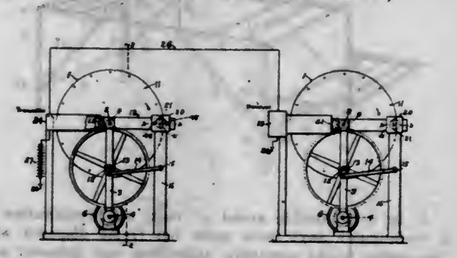
An ice cream can of the character referred to including a can body having therein plural compartments, each compartment having an opening surrounded by a flange-like part of the body, a plurality of taper lugs around the outside of said flange-like part, a cover having an outer flange adapted to fit down over said flange-like body part and having on its inner face co-operating lug portions adapted to interlock with the lugs on said body part, a gasket in said cover adapted to fit upon and be wedged down upon the top edge of said body part, said cover having a concaved top with a handle portion across the same, and a depression formed in said handle portion with overhanging edges, forming a card receiving pocket, substantially as shown and described.

1,634,570. COMBUSTION SYSTEM. ARTHUR J. BOYNTON, Wilmette, Ill., assignor, by mesne assignments, to Victor Chemical Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1924. Serial No. 743,869. 12 Claims. (Cl. 23—264.)



9. Apparatus for the recovery of desired end products from raw materials including a furnace for the reduction of said raw materials together with production of producer gas and fumes therein, a closed combustion chamber, gas and fumes connections from the furnace to said combustion chamber, an air connection to said combustion chamber, a regulator in conjunction with the gas and fumes and air connections and combustion chamber operable according to the differential of pressure between gas and fumes supply and air supply thereto for insuring substantially perfect combustion therein for the purposes specified, suitable apparatus for the recovery of the desired end products, and products of combustion and fumes connections from the combustion chamber thereto, substantially as described.

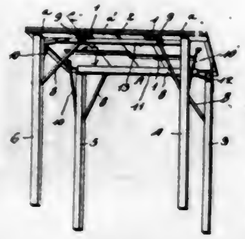
1,634,571. APPARATUS FOR TELEVISION. RUDOLPH A. DALLUGGE, Los Angeles, Calif. Filed May 29, 1922. Serial No. 564,384. 13 Claims. (Cl. 178—6.)



1. In a television apparatus, a transmitting device comprising an opening defining a field of view, a selector member mounted to rotate on a shaft and provided with a plurality of minute apertures defining a circle concentric with said shaft and adapted to pass adjacent said defining opening and across the field of view defined thereby upon rotation of said selector member, driving means for rotating said selector member so as to cause the apertures thereof to pass successively across said field of view, driving means for producing oscillatory movement of the selector member so that successive apertures are caused to pass across different portions of the field of view, a light receiving means so mounted as to move with the selector member in its oscillatory movement,

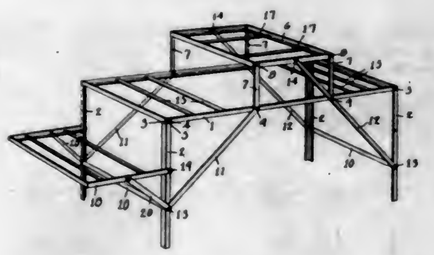
photo-electric means, said light receiving means being adapted to receive light rays transmitted through an aperture of the selector member as it passes across the field of view and to direct such rays upon the photo-electric means, and electrical transmitting means controlled by said photoelectric means in such manner as to transmit electrical impulses corresponding in intensity to the light rays directed upon the photo-electric means.

1,634,572. FOLDING TABLE. MANSELL A. DAVIS, Los Angeles, Calif. Filed June 21, 1924. Serial No. 721,499. 4 Claims. (Cl. 45—116.)



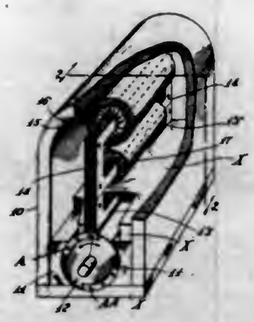
1. In a folding table, a top comprising two relatively wide end sections and two relatively narrow intermediate sections hinged together, the intermediate sections adapted to fold between the end sections, leaving a space between the meeting edges of the intermediate sections and the outer side edges of the end sections, and legs hinged to the ends of the end sections and adapted to fold longitudinally thereof in said space.

1,634,573. VENDING RACK OR STAND. CHARLES T. HATCH, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Nov. 3, 1925. Serial No. 66,509. 6 Claims. (Cl. 211—14.)



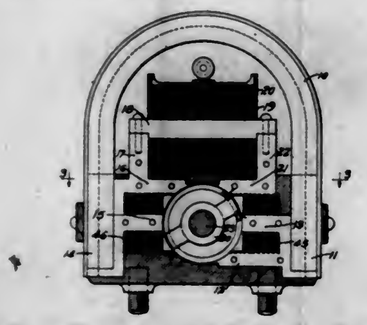
1. In a collapsible stand or rack, the combination of a rectangular angle iron main top frame disposed with the angles facing upwardly, angle iron legs disposed with their angles facing inwardly and having their transversely disposed arms cut away at their upper ends providing projecting pivot ears, said ears being pivoted to the longitudinal members of said top frame, a rectangular angle iron auxiliary top frame disposed with the angles facing upwardly, supporting links therefor pivotally connected to the side members of said auxiliary top frame, bolts detachably connecting said supporting links to the side members of said main top frame braces pivotally connected to the legs and detachably secured to said main top frame by said bolts, one pair of said braces being extended and pivotally secured to the side members of said auxiliary top frame constituting braces therefor, bottom slats disposed on said main top frame on each side of said auxiliary top supporting links, a shelf comprising a U-shaped angle iron frame disposed with its angles facing upwardly, the arms of said shelf frame being detachably connected to one pair of said legs to collapse against the same, and braces for supporting said shelf in erected position pivotally engaged with the leg brace attaching pivots.

1,634,574. IGNITION MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,983. 3 Claims. (Cl. 171—209.)



2. An ignition magneto comprising a substantially rectangular core structure provided with parallel coil carrying portions, primary and secondary windings carried by one of said core structure portions, a tertiary winding carried by the other of said core structure portions, an interrupter controlling the circuits respectively of said primary and tertiary windings, substantially L-shaped core structure shoes associated with the ends of said core structure, a permanent magnet, pole pieces therefor, and a rotor comprising inductors adapted to cooperate with said pole pieces and said core structure shoes to polarize and reverse the polarity of said core structure.

1,634,575. IGNITION MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,992. 15 Claims. (Cl. 171—209.)



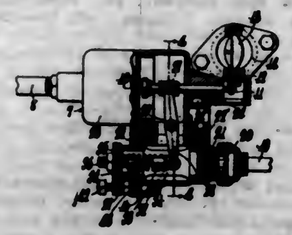
12. In a magneto, a magnet, pole pieces therefor, generating windings on said pole pieces respectively, a branch from one of said pole pieces, an auxiliary pole piece magnetically joined to said branch, said auxiliary pole piece being adjacent to the other one of said pole pieces, and a transformer having a coil wound about said branch.

1,634,576. ANKLE PROTECTOR. GEORGE FRANCIS HOGAN, Chicago, Ill. Filed Nov. 18, 1925. Serial No. 69,831. 14 Claims. (Cl. 36—2.)



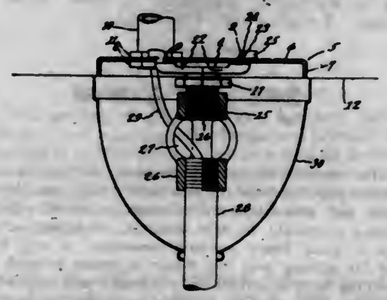
1. An ankle protector comprising a body portion of paper creped to be laterally extensible, a flap to cover the instep of the wearer and clasping means adapted to pass beneath and over the instep to secure the protector in place.

1,634,577. CONTROLLING MECHANISM. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 28, 1924. Serial No. 716,508. 10 Claims. (Cl. 230—24.)



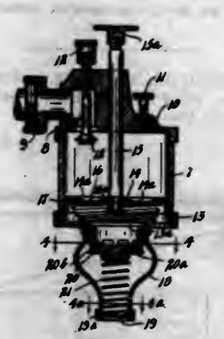
1. In a compressor controlling mechanism, a compressor, a driving engine therefor having a controlling valve, speed responsive means for controlling the position of said valve, pressure responsive means for controlling the position of said valve, and manual means including an eccentric for controlling said last mentioned means.

1,634,578. ELECTRICAL-FIXTURE HANGER. JOHN E. HUMMELL, Cleveland, Ohio. Filed Aug. 18, 1926. Serial No. 130,002. 4 Claims. (Cl. 240—85.)



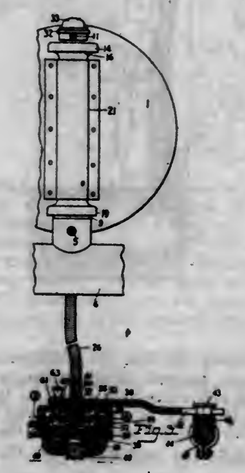
1. A fixture hanger comprising a split stud formed of sections externally threaded to receive a screw threaded fastening member, each section having an offset lug engageable in an opening in a support.

1,634,579. LIQUID-DISPENSING DEVICE. ALBERT D. HUTTON, Minneapolis, Minn. Filed Nov. 12, 1925. Serial No. 68,535. 4 Claims. (Cl. 221—103.)



3. A device for dispensing measured quantities of liquid comprising a casing having an intake passage and an outlet passage, a plunger, means yieldingly urging said plunger in one direction, check valve controlled means in said plunger permitting the liquid to flow through it when it moves in said direction, a sleeve valve in said outlet passage, said valve having inclined seating surfaces and being arranged to be moved to its seat in said direction and to be firmly seated by the suction caused by the movement of the plunger and means connected to said plunger to move it in the other direction and thereby open said sleeve valve.

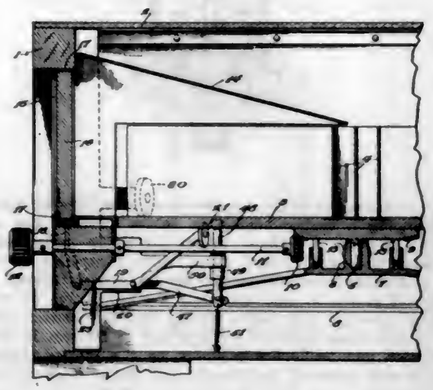
1,634,580. DIRIGIBLE HEADLIGHT. GEORGE SHAFFER KECK, Pasadena, Calif., assignor to The International Controlled Lamp Company, Wilmington, Del., a Corporation of Delaware. Filed July 19, 1924. Serial No. 726,944. 11 Claims. (Cl. 240—62.)

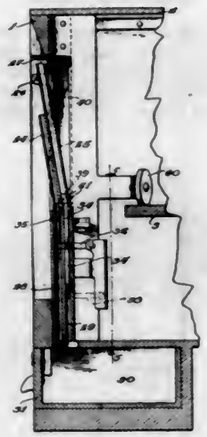


1. An actuating device for a rotatable headlight comprising a lower bearing member, an upper bearing member mounted in fixed spaced relation to said lower bearing member, one of said bearing members having an opening therethrough, means for mounting said bearing members on a supporting structure, a disk-like intermediate member arranged between the first mentioned

bearing members and spaced therefrom to provide spaces to receive anti-friction devices, an axial stud secured to said intermediate bearing member and extending through said opening, means for connecting said stud with said headlight, and an actuating member connected with said stud.

1,634,581. VENDING MACHINE. ROBERT KESSLER, Scranton, Pa. Filed Apr. 29, 1926. Serial No. 105,547. 6 Claims. (Cl. 194—59.)

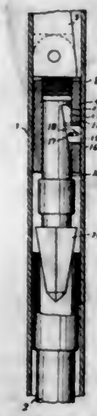




1. In a vending machine, the combination of a casing, a tray movably mounted in the casing, a door mounted in the casing and controlling access to the tray, a bolt mounted in the path of the door, and coin-controlled means whereby opening movement of the door will retract said bolt and positively lock the tray against movement.

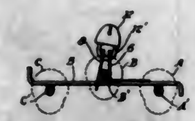
1,634,582. WHIPSTOCK. FRANK KINZBACH, Houston, Tex. Filed June 10, 1926. Serial No. 115,016. 4 Claims. (Cl. 255—1.)

1. A whip stock comprising an elongated body having a taper extending throughout a major portion thereof to provide a wedging face, a hinged member pivoted to the lower end of said body, a tubular sleeve depending from said hinge member, an anchor having a shank which telescopes into said sleeve member, said shank having a downwardly and outwardly sloping bearing face with a



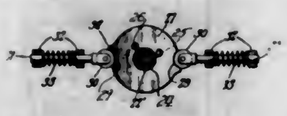
shoulder at the upper end of said face, said sleeve having a slot and a jaw working through said slot and whose inner end bears against said face.

1,634,583. AUTOMOBILE LOCK. GEORGE BUFFINGTON KISSINGER, Aspinwall, Pa., assignor of one-half to William B. Salt, Aspinwall, Pa. Filed Feb. 9, 1922. Serial No. 535,300. 2 Claims. (Cl. 70—126.)



1. A locking device for automobiles having a plurality of foot levers for effecting the control thereof comprising an elongated body adapted to contact with the shanks of a plurality of the control pedals, a transverse extension on said body, a slidable transverse plate on the body, and a locking means for immovably positioning the slidable plate on the body and in spaced relation to the transverse extension by means of which the body may be locked to the shank of one of the pedals.

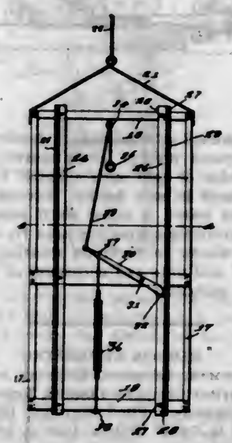
1,634,584. ACTUATING MEANS FOR MAGNETOS. ARTHUR C. KLECKNER, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed July 2, 1924. Serial No. 723,801. 6 Claims. (Cl. 123—140.)



1. The combination with a magneto having an armature rotatably mounted therein and a winding therefor, forward and also backward rotation of which armature generates a current in said winding, of a pair of electrodes, a push finger on said armature, a trip finger, means for moving said trip finger, a spring pressed latch for locking said armature in a normal position, a push finger engaging element movably mounted on said trip finger, a spring disposed between said element and said trip finger adapted to be cocked by movement of said trip finger, said trip finger after said spring is cocked moving said push finger to unlock said armature and permit

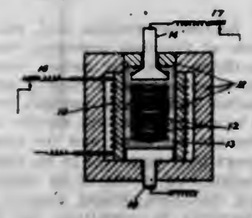
said spring to snap said element for rotating said armature forwardly, means for returning said armature to its normal position, and means for utilizing the current generated in said winding on said forward rotation to produce a spark between said electrodes.

1,634,585. ELEVATOR FOR SILOS. IRVIN K. KREIDER, Lancaster, Pa. Filed May 26, 1926. Serial No. 111,862. 3 Claims. (Cl. 187—6.)



2. In a device of the class described, a plurality of track rails mounted in spaced relation on a stationary structure, a car movable along the rails, means for counterbalancing the car, a stationary brake rail carried by the car, a second brake rail carried by the car and having limited lateral movement, said rails being slidable on the track rails, and a spring controlled and manually controlled lever for forcing the movable rail into close contact with an adjacent track rail.

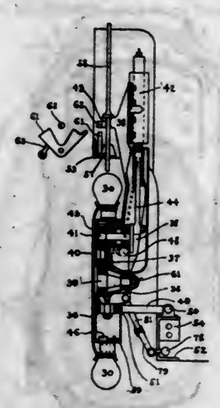
1,634,586. METHOD OF MANUFACTURING MALLEABLE CAST IRON. MASAKICHI KUBO, Tokyo, Japan. Filed June 12, 1922. Serial No. 567,869. 5 Claims. (Cl. 148—10.)



1. The process of converting the combined carbon of white cast iron into uncombined condition without fusion, consisting in enveloping the same in a suitable medium, in heating the same to a temperature in the critical range, and passing an electrical current therethrough while thus heated, for the purpose of accelerating the desirable chemical change.

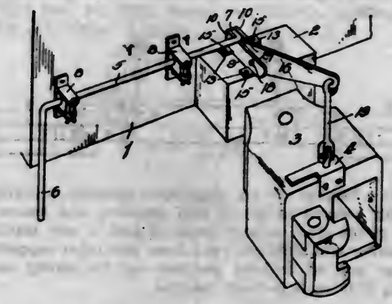
1,634,587. TRACKLESS STREET CAR. WARD LEATHERS, Haworth, N. J. Filed Aug. 3, 1920. Serial No. 401,048. 7 Claims. (Cl. 280—91.)

1. In a trackless street car a pair of tandem wheels supporting each corner of the vehicle, each wheel provided with independent means for turning on a vertical axis, each wheel provided with means for independent movement with respect to the frame of the car, said movement describing an arc in a plane transverse to the vehicle, said arc being maintained by a spacing member



horizontally and longitudinally pivot-journalled to the main frame of the vehicle and supporting at its outer portion the wheel spindle vertically journalled thereto, all said eight wheels steering simultaneously.

1,634,588. LOCK-PIN LIFTING AND HOLDING DEVICE FOR AUTOMATIC CAR COUPLERS. OSSIMA H. LE COMPTE, Oklahoma City, Okla. Filed June 24, 1925. Serial No. 39,365. 10 Claims. (Cl. 213—166.)

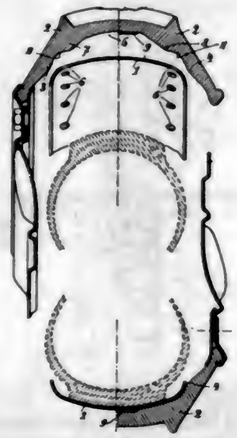


1. In a means for operating automatic car couplers, the combination with a gravity lock pin, of an operating lever rod, a pivotally supported lock pin lifting lever arm, a connection between the lifting lever arm and the lock pin and means carried by the operating lever rod adapted for engagement with the upper flat face of the rear end of the lifting lever arm for elevating the lock pin and holding the pin in its elevated position.

1,634,589. TIRE PROTECTOR. LUCIEN PAUL CELESTIN LOTTE, Paris, France. Filed Aug. 15, 1925, Serial No. 50,463, and in France Aug. 18, 1924. 4 Claims. (Cl. 305—7.)

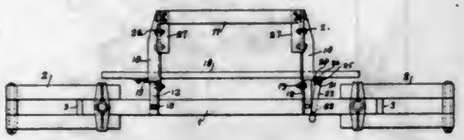
3. In a protector for wheel tires, the combination of an annular outer tire, a wheel within the said tire, this wheel being of a diameter which is smaller than the internal diameter of the said tire, the said tire and the said wheel being entirely independent the one from the other, a metallic ring freely interposed between the said tire and the said wheel, and separating these elements, the said metallic ring having an external diameter which is smaller than the internal diameter of the said tire and an internal diameter which is larger than that of

the said wheel, the said tire being provided upon its surface with inwardly projecting ribs, forming grooves on both sides and adapted to act as guides for the said



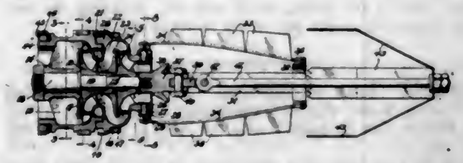
ring, the part of the said tire between the said ribs being concave so as to leave a larger space between the said tire and the said metallic ring.

1,634,590. LUGGAGE CARRIER. JACOB F. MARTIN, Bellevue, Ohio, assignor to The Bellevue Manufacturing Company, Bellevue, Ohio, a Corporation of Ohio. Filed Nov. 15, 1926. Serial No. 148,366. 5 Claims. (Cl. 224—29.)



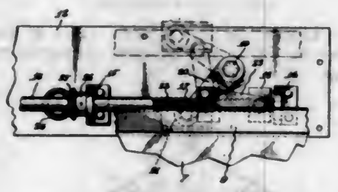
2. In a luggage carrier, supporting members, a platform pivotally secured to one of said members, and means secured to the other of said members and to said platform for moving said platform away from said other supporting member into an inclined position and for rigidly maintaining it in such inclined position.

1,634,591. HYDRAULIC WATER PIPE CLEANER. DANIEL J. MCGEEHIN, West Hazleton, Pa. Filed Feb. 19, 1926. Serial No. 89,400. 7 Claims. (Cl. 15—104.12.)



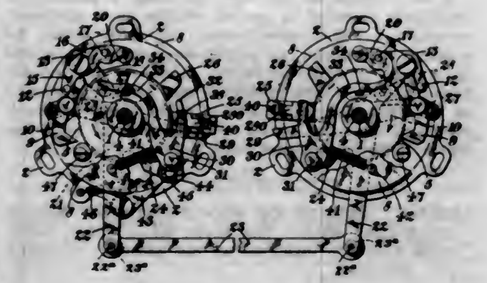
1. In a water pipe cleaner, the combination with a housing, of a hub secured to the housing and disposed centrally thereof, a spindle flexibly connected to the front end of the hub and having means at its forward end for engaging the wall of the pipe and guiding the cleaner in its progress through the pipe, a turbine rotatably mounted on the hub, and means in front of the housing and rotatable with the turbine to clean the inner surface of the pipe.

1,634,592. WINDSHIELD-REGULATING DEVICE. LEONARD A. MULLIGAN, Detroit, Mich., assignor to Joseph N. Smith Co., Detroit, Mich., a Corporation of Michigan. Filed June 24, 1926. Serial No. 118,169. 5 Claims. (Cl. 296—89.)



5. In a windshield construction, a header, a sash slidable therein, spaced pivoted levers operatively connected to the upper edge of said sash adapted for raising and lowering said sash in said header, traveler nuts adapted for moving said levers, a screw shaft supported in said header and operatively supporting said traveler nuts, and means in said header to facilitate rotating said shaft to cause travel of said nuts and movement of said levers for sash adjusting purposes.

1,634,593. RIBBON-REVERSING MECHANISM. ARTHUR PATEMAN, Leicester, England, assignor to Imperial Typewriter Company Limited, Leicester, England, a British Company. Filed May 17, 1926, Serial No. 109,800, and in Great Britain June 2, 1925. 7 Claims. (Cl. 197—160.)

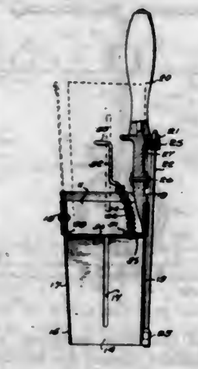


1. Typewriter ink-ribbon winding and automatic reversing mechanism of the class described comprising in combination, ink-ribbon reversing means, two members pivotally mounted to swing about a common axis in proximity to one another, one of said members being operatively connected to the machine type keys so as to oscillate as the latter are depressed, and the other of said members being operatively connected to the ribbon reversing means to operate said means by its swinging movement, a yieldingly controlled member mounted on one of said swinging members to constitute the catch, and capable of movement under its yielding control into the path of the other swinging member to take its operative position in which it locks the two swinging members together whereby in one direction they move in unison, and a ribbon-controlled means for normally holding the catch out of its operative position until reverse is to be effected, and then releasing it.

1,634,594. DISPENSING DEVICE. JOHN H. PIEPER, Delavan, Minn. Filed Oct. 14, 1926. Serial No. 141,633. 8 Claims. (Cl. 107—48.)

3. A device of the character described comprising supporting means, a body portion carried by said supporting means and including a plurality of permanently flat

walls, all but one of said walls being adapted to slide with respect to said supporting means, said body portion having an open bottom and adapted to be inserted into a body of material, cutting means associated with said



body portion and movable across the bottom thereof to cut through the body of material, and means carried by said supporting means for dislodging material from said body portion.

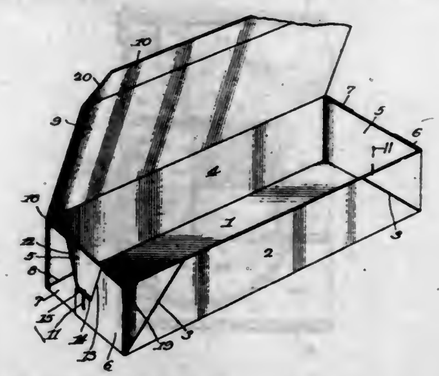
1,634,595. COLLAPSIBLE MAST. HAROLD PRICE, Moncton, New Brunswick, Canada. Filed May 9, 1925. Serial No. 29,105. 2 Claims. (Cl. 189—26.)



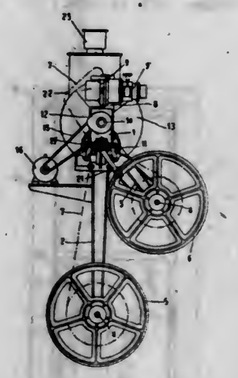
1. A mast or support comprising a plurality of sections, provided with end plates having orifices therein, adapted to engage with one another and pivotal means through said orifices whereby the sections are hingedly connected, means for rigidly retaining the sections when built up, a plurality of truss rods rigidly connected at each end to said plates, intermediate bracket means for spacing said truss rods and means integral with the truss rods for tensioning them.

1,634,596. EGG CARTON. WILLIAM A. SCHURMANN, Chicago, Ill., assignor to W. A. Schurmann & Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 16, 1925. Serial No. 69,255. 8 Claims. (Cl. 229—32.)

1. A foldable box or carton comprising a bottom wall, an uncreased rear wall, a creased front wall, uncreased rectangular inner end walks, outside creased end flaps, uncreased end flaps overlapping the creased flaps, and a cover, said flaps being formed to provide a wide notch or space between them at each end of the box, exposing a substantial portion of the outer surface of each rectangular uncreased end wall, to facilitate the folding of the end wall upon the bottom, said flaps having straight horizontal flush edges forming a straight double thickness bottom for each notch or space, which straight edges are parallel with the top and bottom edges of the ends of the box, and a fastening device inserted through the overlapping portions of said flaps and through said uncreased rectangular end walls.

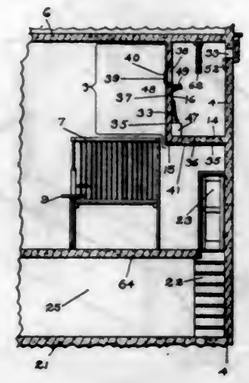


1,634,597. APPARATUS FOR CINEMATOGRAPHIC PROJECTIONS. EMILIO CARRANZA SOLÁ, Flix, Spain. Filed Dec. 24, 1924, Serial No. 757,944, and in Spain Jan. 11, 1924. 1 Claim. (Cl. 88—18.6.)



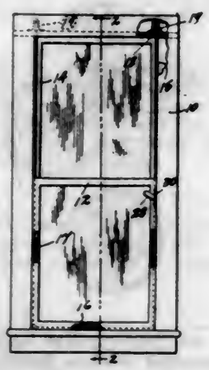
An apparatus for cinematographic projection, comprising a frame, supporting members thereon for supporting the spindles of the film spools, the projecting gate and the objective, an axle mounted on the said frame, a motor for driving the said axle, a shutter mounted on the said axle in an integral manner, a second axle, a device mounted on the first axle for transmitting motion to said second axle of the apparatus, a cam member having constant angular rotation mounted on the first axle and having a profile such that the film is given progressive uniformly accelerated and decelerated movements during each intermittent actuation, a member integrally mounted on the second axle driven by the first axle, a member integrally mounted on the second axle for driving the spool upon which the film is being wound, a sprocket upon the second axle for guiding the film, which sprocket is provided with the corresponding jockey rollers.

1,634,598. INTERIOR FORTRESS. CHARLES H. STROUSE, Indianapolis, Ind. Filed July 9, 1926. Serial No. 121,358. 19 Claims. (Cl. 89—36.)



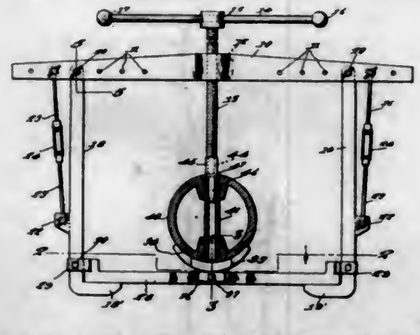
1. An interior fortress for business institutions, comprising an over-head enclosure extending across the public room of such institution; a means of reaching said fortress from different floors of such institution, and different parts of the main floor; observation means at different points of advantage in said fortress; and port hole means for shooting from different points of advantage in said fortress.

1,634,599. WINDOW-SASH SUPPORT. WILLIAM L. THOMAS, Dallas, Tex. Filed Apr. 2, 1926. Serial No. 99,248. 1 Claim. (Cl. 16—196.)



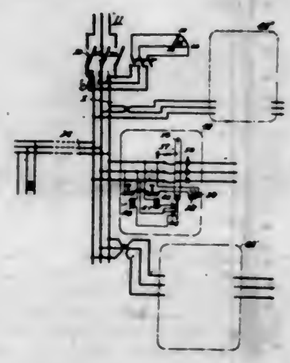
In a window sash support, the combination with a window frame and upper and lower sashes slidable therein and grooved upon their sides and bottom edges, of an endless coiled spring cable having parallel looped portions removably seated in the side and bottom grooves to embrace each sash, and pulleys at the top of the frame upon which said cable is supported intermediate its looped portions, the cable forming a curved sliding bearing face upon the frame and providing tension throughout its length to seat the upper sash when the lower sash is closed.

1,634,600. DEVICE FOR EXTRACTING BUSHINGS AND THE LIKE. CHARLES D. THOMPSON, Roanoke, Va. Filed Feb. 6, 1926. Serial No. 86,561. 3 Claims. Cl. 29—88.2.)



1. In a device of the class described, a main bar, a screw threaded therethru, means for mounting the work, and a tool to be carried by the lower end of the screw, said tool including a spindle having a lower cutaway portion and having an undercut shoulder adjacent to the cutaway portion, a resiliently mounted finger extending from the lower end of the spindle into the undercut portion, and adjustable means for limiting the movement of the finger.

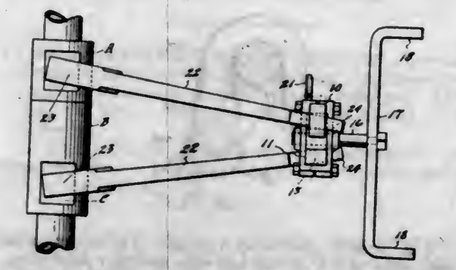
1,634,601. DISTRIBUTION SYSTEM FOR SELECTIVE CONNECTIONS THERETO OF FEEDERS. NOBUFUMI TOGAMI, Saga-Ken, Japan. Filed May 16, 1924. Serial No. 713,833. 7 Claims. (Cl. 175—375.)



1. The combination with a main circuit comprising three conductors, a plurality of feeders, means for each of said feeders for connecting same to said main circuit, means for controlling said connecting means through a pair of said conductors and a plurality of other feeders connected to said circuit, of means for holding the conductors of said main circuit other than said pair at a predetermined potential relation to said pair whereby the proper operation of said controlling means is assured even when said other feeders are unbalanced.

1,634,602. POWER WRENCH. ROBERT A. WILSON, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Jan. 2, 1926. Serial No. 78,806. 13 Claims. (Cl. 81—53.)

1. In a joint breaking wrench, a carriage, a pair of oppositely sliding bars mounted therein and each having wrench connecting means at one end of the carriage, wrench members having jaws and opposite operating ends

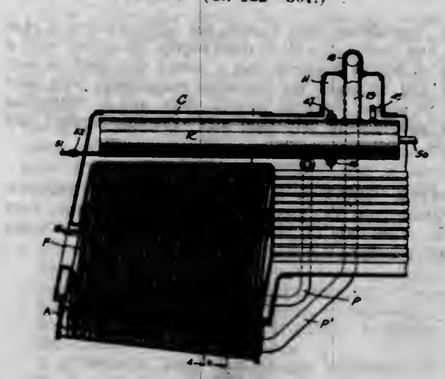


movably embraced by the connecting means to travel in opposite directions with the bars, and means for oppositely moving said bars to swing the wrench members.

1,634,603. PROCESS OF MAKING PAPER FROM STRAW AND PRODUCT. CHARLES D. WOOD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 12, 1926. Serial No. 80,813. 6 Claims. (Cl. 92—13.)

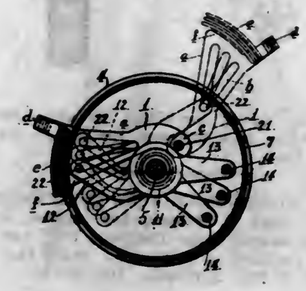
1. Process of making paper from straw and similar fibrous vegetable materials, which comprises incorporating the alkali soluble components of the fibrous material obtained by digesting the fibrous material with an alkaline reagent comprising a soluble sulfide with a pulp derived from said fibrous material.

1,634,604. STEAM GENERATOR. HARRY S. ANDERSON, Los Angeles, Calif. Filed Apr. 28, 1924. Serial No. 709,572. 6 Claims. (Cl. 122—507.)



1. In combination, a tube, means for supplying a fluid to the tube including a valve, means for receiving the fluid from the tube including a valve, and means responsive to change in pressure of the fluid as received by said means for maintaining the first valve in open position when the pressure of fluid in the tube is at or above a predetermined degree and for closing the first valve when the pressure of fluid in the tube is below the predetermined degree to disconnect the fluid supply means from the tube, the second valve being responsive to fluid pressure to close and disconnect the fluid receiving means from said tube when the pressure of fluid in the tube is below a predetermined degree.

1,634,605. RIBBON-CARRYING ARM FOR MANIFOLDING TYPEWRITERS. HUBERT McL. ARMISTEAD, San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed May 26, 1925. Serial No. 32,904. 13 Claims. (Cl. 197—126.)



1. A ribbon-carrying arm for manifolding typewriters comprising a strip, the body of which below one of its ends being widened to one side, and a ribbon-receiving member carried by said end and extending therefrom opposite to and spaced from the widened body of the strip.

1,634,606. WEEDER AND THE LIKE. DAVID W. BARTLEBAUGH, Springfield, Ohio. Filed May 27, 1926. Serial No. 112,147. 4 Claims. (Cl. 55—148.)



1. A weeder including in combination with a staff, a tapered jaw fixed on an end thereof, a jaw pivoted on the staff opposite and coacting with the fixed jaw, a rod extended longitudinally of the staff, adapted to be manipulated to actuate the movable jaw relative to the fixed jaw to grip an object, and having a portion extended between the jaws operable with the rod to eject said object from the jaws.

1,634,607. BOBBIN FOR BRAIDING MACHINES. CLARENCE P. BERGLEHEIMER, Chicago Heights, Ill. Filed Aug. 22, 1924. Serial No. 733,648. 1 Claim. (Cl. 96—15.)

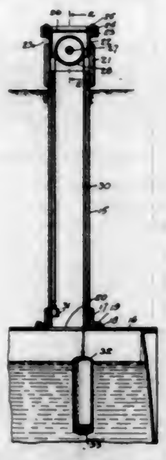
A bobbin for braiding machines, comprising a tube upon which thread is directly wound, a head for the tube com-

prising a removable ratchet feed disc mounted on one end of the tube, and corresponding screw threads on the tube



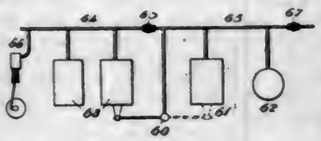
and head for readily assembling the same, said screw threads working in a direction opposite to the ratchet feed of the head.

1,634,608. LIQUID-MEASURING ATTACHMENT FOR TANKS. JOHN E. BOEGEN, Los Angeles, Calif., assignor to Boegen Gauge Company, Inc., Los Angeles, Calif., a Corporation of Nevada. Filed Apr. 6, 1925. Serial No. 21,032. 2 Claims. (Cl. 73—82.)



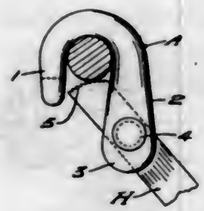
1. In combination, a tank for liquids, a pipe extending upwardly from the tank, a connecting sleeve on the upper end of the pipe, a cap supported on the sleeve and having a transparent closure member, a pulley rotatably mounted in the cap, a calibrated tape trained about the pulley and extending downwardly into the pipe, a weight on one end of the tape, and a weighted float on the opposite end of the tape.

1,634,609. STEAM PLANT. ERNST CONSTAM, Zurich, Switzerland, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden, a Corporation. Filed May 15, 1922, Serial No. 561,240, and in Germany Mar. 29, 1922. Renewed Apr. 30, 1927. 14 Claims. (Cl. 236—26.)



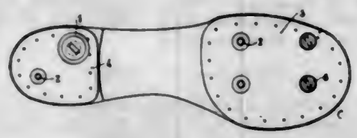
1. In a steam plant equipped with a steam accumulator, in combination, a steam boiler, a fire in said boiler, means to regulate said fire responsive to pressures in said accumulator above an upper limit of pressure and below a lower limit of pressure, said means being inoperative for intermediate pressures.

1,634,610. WRENCH. CHARLES E. DALE, Barnsdall, Okla. Filed Sept. 11, 1926. Serial No. 134,850. 1 Claim. (Cl. 81—98.)



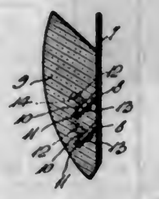
1. A wrench comprising a handle jaw having parallel side edges and a curved end edge provided with teeth, a pivot pin passing transversely through the handle jaw at a point spaced from the curved end edge thereof, a jaw member formed from a single rod having flattened parallel end portions which lie at the opposite sides of the handle jaw and which are pivoted upon the pin, said pivoted jaw having a bill end portion which is disposed approximately parallel with the end portions of the said jaw and spaced therefrom and the opposite side portions of the pivoted jaw being connected together at the extremity of the bill end by a transversely disposed arcuate intermediate portion.

1,634,611. SPORTING SHOE. LOUIS DESCHAMPS, Le Havre, France. Filed Dec. 26, 1924, Serial No. 758,215, and in France Dec. 28, 1923. 1 Claim. (Cl. 36—59.)



In combination with a plate for application to a shoe sole and provided with a downwardly extending bolt, a stud of flexible material and a sleeve embedded in said stud and arranged for threaded engagement with said bolt to secure the stud to said plate, and a reinforcing ring embedded in said stud and extending around said sleeve.

1,634,612. DENTAL FACING. THOMAS E. DIMELOW, Philadelphia, Pa., assignor to John W. McKinnon, York, Pa. Filed Jan. 14, 1926. Serial No. 81,284. 2 Claims. (Cl. 32—9.)



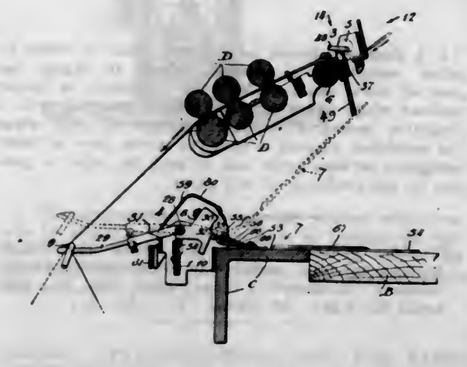
1. An improvement in a dental facing of the type whose lingual side is adapted to contact with a backing; said facing being formed with a bore which extends labio-occlusally from said lingual side and is open at its lingual end only to receive a backing-carried pin; said improvement comprising a relatively long and narrow U-shaped metal strip which is embedded in the facing in a plane at substantially right angles to the axis of said bore, the intermediate portion of said U-shaped strip being disposed

at the side of the bore toward the occlusal end of the facing while the arms of said strip extend from the bore in substantially a labio-gingival direction but also diverge to points near the vertical edges of the facing.

1,634,613. MANUFACTURE OF TEXTILES. CAMILLE DREYFUS, Basel, Switzerland, assignor to Celeanese Corporation of America, a Corporation of Delaware. Filed Dec. 22, 1921. Serial No. 524,276. 5 Claims. (Cl. 139—420.)

1. Textile fabrics comprising yarn individually impregnated with a permanent finish of an organic derivative of cellulose.

1,634,614. STOP-MOTION DEVICE FOR SPINNING FRAMES. JOHN P. GAREY, Elmira Heights, and LOUIS B. HASBROUCK, Elmira, N. Y. Filed Nov. 18, 1925. Serial No. 69,724. 43 Claims. (Cl. 117—33.)



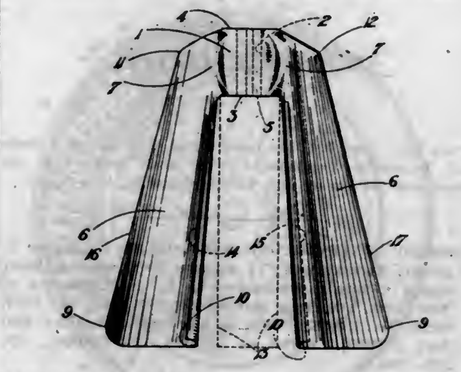
1. A stop-motion device for a spinning frame, comprising a stopping member in advance of the drawing rolls of the frame, a power-driven member, and connecting mechanism for transferring power from the power-driven member to the stopping member, said power-transferring connecting mechanism including as an element thereof a nearly balanced lever mounted on a fixed horizontal pivot and normally held out of the path of the power-driven member by engagement with a roving between the drawing rolls and a spindle of the frame.

1,634,615. FLOTATION SEPARATING PROCESS. EVERETT A. HALL and GEORGE R. SANDERS, Joplin, Mo., assignors to Southwestern Engineering Corporation, Los Angeles, Calif., a Corporation of California. Filed Sept. 13, 1926. Serial No. 135,292. 4 Claims. (Cl. 200—166.)

1. A flotation separation process including the addition of a small quantity of oxalic acid and collecting, sulfurating and frothing means to a pulp containing carbonaceous tarry material and oil interfering with flotation of the minerals to be separated, aerating and agitating the mixture and separating said mixture by flotation into a froth and a precipitate.

1,634,616. PROPELLER. ALEXANDER HARPER and STEWART ALEXANDER HARPER, Dunedin, Otago, New Zealand. Filed July 18, 1925. Serial No. 44,533. 1 Claim. (Cl. 17—159.)

A propeller of the character described, including a shaft engaging boss, blades extending radially in opposite directions from the boss and also extending rearwardly and arranged in substantial parallelism with the longitudinal axis of the boss, the profile of the blades being wave-like in form and the inner marginal edges of



each of the blades being bent in a wave-like manner in a direction opposite the wave-like main portion of each blade, substantially as and for the purposes set forth.

1,634,617. METHOD AND MEANS FOR PRODUCING AND AFFIXING SIGNS TO MATERIALS. FRANK HART, Los Angeles, Calif. Filed Jan. 14, 1926. Serial No. 81,351. 2 Claims. (Cl. 41—33.)



1. The method of applying signs to enameled textile material which consists in super-posing the sign matter on a film of flexible material containing an ingredient of the enamel on said textile material, and applying heat and pressure thereto for fusing the sign to the enamel.

1,634,618. FOUNTAIN PEN. OSCAR B. HJORTH, Janesville, Wis., assignor of one-half to William H. Skillen, Janesville, Wis. Filed Sept. 28, 1925. Serial No. 59,022. 9 Claims. (Cl. 120—47.)



1. In a fountain pen, the combination of a barrel having a chamber at one end for an ink sack, a flexible ink sack disposed in said chamber, a pumping device at the opposite end of said barrel and operable to compress air into said chamber to collapse said ink sack, a check valve opening inwardly towards said ink sack chamber for controlling communication therewith and operable to retain the compressed air within said chamber and means for holding said check valve open to permit the escape of the compressed air therefrom, thereby permitting the sack to expand and receive a supply of ink.

1,634,619. DEVICE FOR FASTENING COVERS. GOLLADAY LAKE, New York, N. Y. Filed Mar. 11, 1926. Serial No. 93,877. 1 Claim. (Cl. 24—87.)

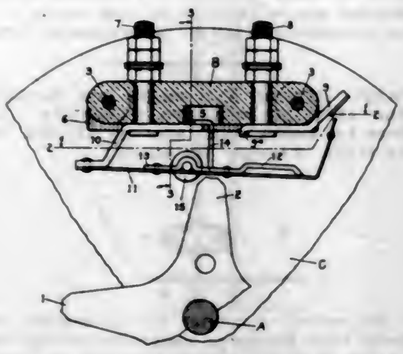
A device for holding a cover on an ironing board comprising an elongated body, fastening members remov-

ably mounted on said body, said fastening members each comprising a single length of wire formed with an eyelet medially of its ends, one end portion of said wire



being bent upon itself to form a loop and having a hook for detachable engagement with said eyelet and the other end portion of said wire terminating in a hook.

1,634,620. UNIT-CIRCUIT CONTROLLER. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Original application filed Aug. 31, 1917. Serial No. 189,088. Divided and this application filed Sept. 1, 1920. Serial No. 407,508. 11 Claims. (Cl. 200—166.)



9. A unit circuit controller comprising, an insulating block, a contact support fastened to said block, a contact spring fixed to said support, a rigid retainer attached to the spring at substantially its midpoint and having one end portion bent to form a hook to engage said support to limit the movement of said spring away from said block.

1,634,621. DEVICE FOR PICKING COTTON. ISIDORO MARTINEZ, La Pryor, Tex. Filed Feb. 23, 1926. Serial No. 90,033. 4 Claims. (Cl. 2—44.)



1. In a device of the class described, a coil spring, a lower supporting member fastened to the lower end of said coil spring, an upper supporting member fastened to the upper end of said coil spring, a supporting frame pivotally holding said lower supporting member, a breast plate pivotally holding said upper supporting member, and means for holding said upper end and lower supporting members in angular adjusted positions.

1,634,622. FASTENER FOR FABRICS. HENRY MENGES, Richmond Hill, N. Y. Filed Oct. 21, 1926. Serial No. 143,192. 3 Claims. (Cl. 24—81.)



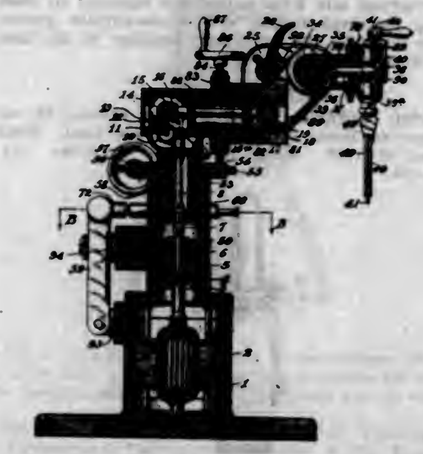
1. A fastener adapted to hold two pieces of fabric together comprising, a member adapted to engage one piece of fabric and provided with a plurality of lateral resilient wings and a separate member provided with a projection having a terminal enlargement, said wings and projection adapted to have the second piece of fabric interposed between them and to hold the same in position by the resiliency of said parts.

1,634,623. POWER HAMMER. HARRY H. MILLER, Youngstown, Ohio, assignor to Miller-Smythe Electric Company, Youngstown, Ohio. Filed Feb. 10, 1925. Serial No. 8,164. 23 Claims. (Cl. 125—33.)



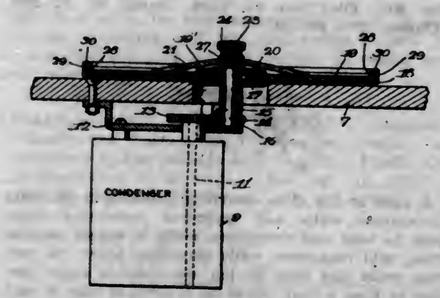
1. In a power hammer, a percussion member, a reciprocating drive mechanism, and bodily movable means for alternately connecting and disconnecting said member and mechanism, said means being out of operative connection with said drive mechanism when said percussion member and mechanism are disconnected.

1,634,624. AUTOMATIC ELECTRIC-ARC WELDING DEVICE AND METHOD OF OPERATING THE SAME. HARRY D. MORTON, New York, N. Y. Filed Jan. 16, 1924. Serial No. 686,537. 40 Claims. (Cl. 219—8.)



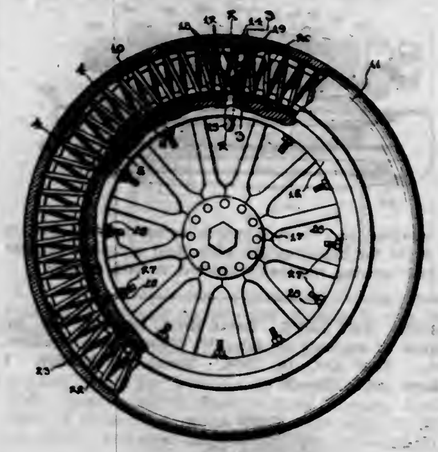
1. The improvement in electric arc welding which consists in manually striking the arc, in feeding the electrode to the work during normal operation, and in disconnecting the feeding means from its actuating means upon extinction of the arc.

1,634,625. STATION-SELECTOR DIAL FOR RADIO RECEIVING SETS. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed July 25, 1925. Serial No. 46,044. 3 Claims. (Cl. 116—133.)



3. A station selector dial for a radio receiving set comprising a fixed spindle, a revoluble sleeve on the spindle, a dial plate mounted on the sleeve to revolve therewith, a peripheral wall on the dial plate and having a groove the outer surface of said wall being roughened, a dial on said plate, a ring engaging said groove and clamping the edge of the dial against the dial plate, a disk on the sleeve clamping the central portion of the dial against the dial plate, and a pointer rigid with the spindle and projecting over the dial.

1,634,626. TIRE FILLER. GEORGE F. A. OCHS, Newark, N. J. Filed Aug. 14, 1926. Serial No. 129,191. 5 Claims. (Cl. 152—8.)



1. In combination with a vehicle wheel and attached tire shoe, a filler consisting of a spiral spring, an anchor plate connected with the spring at one extremity and provided with a stem engaging the wheel, and a plate connected with the other extremity of the spring and having a seat in the anchor plate.

1,634,627. SPARK GAP. HOWARD H. OSBORN, Chicago, Ill., assignor to H. G. Fischer & Company, Chicago, Ill., a Corporation of Illinois. Filed June 10, 1921. Serial No. 476,640. 2 Claims. (Cl. 250—38.)

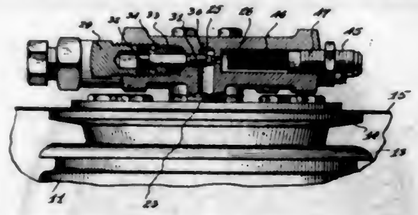


1. An electric spark gap, comprising a series of cells, each composed of spaced disks of current conducting material provided with projections extending into the cell in opposed relationship and a ring of opaque insulating material eccentrically positioned and extending between said disks and enclosing said projections to insure sparking therebetween, means for clamping the disks and rings of the several cells together to form a unitary apparatus, and current conducting means associated with the disks at the opposite ends of the apparatus.

1,634,628. VALVED FITTING FOR REFRIGERATING APPARATUS. JOHN R. REPLOGLE, Detroit, Mich., assignor to Electric Refrigeration Corporation, Detroit, Mich., a Corporation of Michigan. Filed Jan. 31, 1927. Serial No. 164,992. 10 Claims. (Cl. 251—50.)

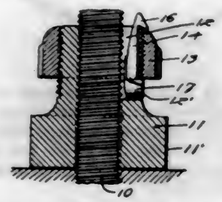
4. A fitting for connecting an evaporator into the refrigerant circuit of a refrigerating system, comprising a valve casing provided with a valve chamber and with inlet and outlet passageways communicating with said valve chamber, a valve structure supported within said chamber and entirely enclosed by said valve casing, said valve structure having a screw threaded engagement with

said valve casing to permit the manual adjustment of said valve, said casing provided with an opening in the wall thereof through which said valve may be inserted



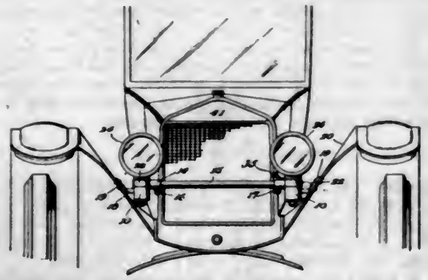
and removed and through which access may be had to said valve for adjusting the same, and a closure member for said opening removably secured to said casing.

1,634,629. NUT LOCK. DAVID RICH, Spooner, Wis., assignor of one-half to John W. Hendrickson, Spooner, Wis. Filed Oct. 19, 1926. Serial No. 142,699. 1 Claim. (Cl. 151—19.)



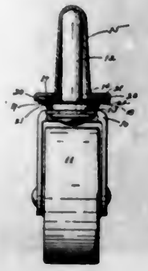
The combination with a bolt and a nut engaged thereon, the nut having an externally threaded extension, such extension having a longitudinal slot opening through the outer face of the extension and into the bore of the same, of a nut engaged on the extension and having its outer end face inclined toward the nut, and a locking member disposed longitudinally in said slot and having a terminal enlargement and a longitudinal knife edge, said knife edge being adapted to be driven into the bolt threads upon engagement of the second nut externally on said enlargement, and a nose on the locking member for engagement in the internal threads of the second nut whereby to maintain said member out of biting engagement with the bolt while said first nut is being applied or removed.

1,634,630. DIRIGIBLE-HEADLIGHT MECHANISM. JOHN S. ROWLEY, JOHN W. RIGGLES, and HILAND E. MCCULLY, Lansing, Mich. Filed Nov. 25, 1925. Serial No. 71,433. 2 Claims. (Cl. 240—61.)



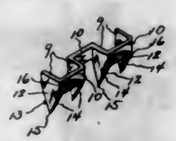
1. In a dirigible headlight mechanism, a bearing formed with a bore, a spindle journaled in the bore of said bearing and provided with a head overlying the upper end of said bearing, said spindle having an axially disposed bore, a headlight, a bracket for the headlight formed with a non-circular opening, a turning handle having one end portion disposed between the lamp bracket and head of said spindle and formed with an opening registering with and conforming to the contour of the opening in the lamp bracket, means for interlocking the turning handle with the head of said spindle to prevent independent turning thereof, and a bolt passed through the bore of said spindle and having a head at its upper end overlying said lamp bracket and adjoining its head having its shank formed with a non-circular portion snugly seated in the non-circular openings of the lamp bracket and turning handle.

1,634,631. CASTER. EDWARD SCHULTZ, Chicago, Ill., assignor to James B. Ladd, Des Moines, Iowa. Filed June 16, 1925. Serial No. 37,445. 5 Claims. (Cl. 16—18.)



1. The combination of a caster having a stem and a swiveling device comprising a longitudinally split spring sleeve closed at its upper end and adapted to embrace and rest on said stem, the members of said sleeve being formed at their lower ends with outturned flanges, a disk plate of annular form adapted to embrace loosely said sleeve and rest on said flanges, an embossed disk embracing said stem below said disk plate and having a downwardly extending boss in its central portion, means to prevent downward movement of said stem relative to said embossed disk by engagement between said central boss and the flanges of said spring sleeve, and means for securing said embossed disk and disk plate together.

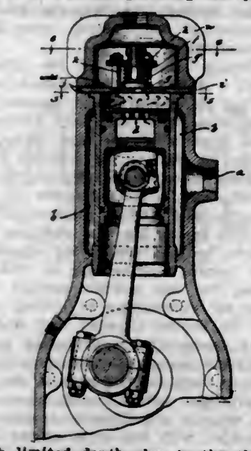
1,634,632. BRAD. ALVIN C. STRANDBERG, Kansas City, Mo., assignor of one-half to Oliver S. Wiard, Kansas City, Mo. Filed May 24, 1926. Serial No. 111,261. 3 Claims. (Cl. 85—11.)



1. A brad of the class described including a plurality of transverse walls and staggered connecting walls adapted to hold said transverse walls in spaced parallel relation, said transverse walls extending below the connecting walls and each having its opposite edges converging to form a spur below the lowermost edge of said connecting walls.

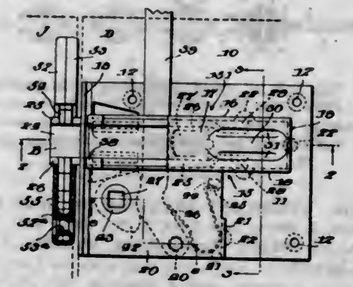
1,634,633. CYLINDER-CAP CONSTRUCTION FOR COMPRESSORS. HARRY E. THOMPSON, Detroit, Mich., assignor to Universal Cooler Corporation, Detroit, Mich., a Corporation of Michigan. Filed Feb. 15, 1926. Serial No. 88,244. 7 Claims. (Cl. 230—27.)

1. In a compressor, the combination of a cylinder, a piston reciprocating in the cylinder, a cylinder cap, and a relatively thin cylinder head secured between the cap and the cylinder end and spaced from the cap, said head provided with a valve port which communicates directly with the space between the head and the cap, a valve mounted on the head for guarding the port, this port



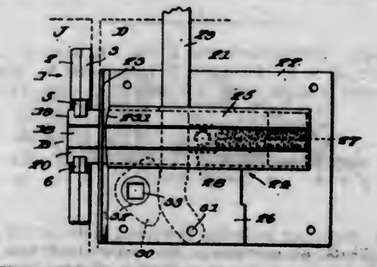
being of such limited depth, due to the thinness of the cylinder head, as to be practically a negligible factor in the clearance space left between the piston and the valve.

1,634,634. LATCH AND KEEPER MEANS. FRANCIS M. VANDERVOORT, Pueblo, Colo., assignor to The Positive Lock Company, Pueblo, Colo., a Corporation of Colorado. Filed July 12, 1923. Serial No. 651,112. 42 Claims. (Cl. 292—178.)



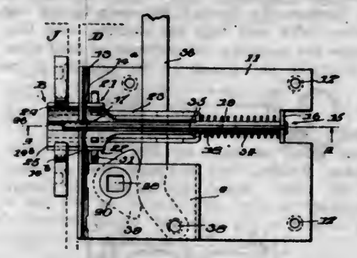
23. In a latch, the combination with a bolt, of means normally projecting said bolt, and means at both ends of said bolt clamping the bolt against all lateral movement when the bolt is projected.

1,634,635. LATCH OR KEEPER MEANS. CHARLES L. CROOKS and FRANCIS M. VANDERVOORT, Pueblo, Colo., assignors to The Positive Lock Company, Pueblo, Colo., a Corporation of Colorado. Filed Aug. 11, 1923. Serial No. 656,907. 22 Claims. (Cl. 292—173.)



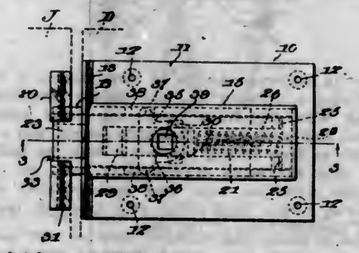
1. The combination, with a bolt, of abutment means, and eccentrically mounted latching means engaging said bolt and pressing it in engagement with said abutment means.

1,634,636. LATCH. FRANCIS M. VANDERVOORT, Pueblo, Colo., assignor to The Positive Lock Company, Pueblo, Colo., a Corporation of Colorado. Filed Aug. 28, 1923. Serial No. 659,779. 34 Claims. (Cl. 292—5.)



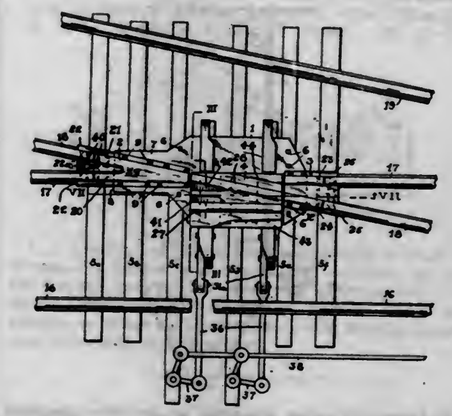
1. A latch comprising expansible latching means swingable to latching position and slidable to unlatched position.

1,634,637. LATCH. FRANCIS M. VANDERVOORT, Pueblo, Colo., assignor to The Positive Lock Company, Pueblo, Colo., a Corporation of Colorado. Filed Sept. 13, 1923. Serial No. 662,466. 33 Claims. (Cl. 292—169.)



1. A latch comprising abutment means, and latching means movable longitudinally and laterally with respect to said abutment means.

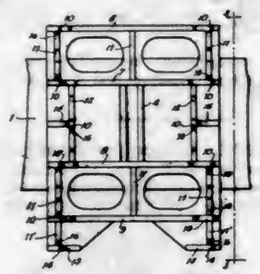
1,634,638. RAILWAY FROG. ANTHONY L. VISSAT, Jeannette Borough, Pa. Filed Aug. 11, 1926. Serial No. 128,596. 28 Claims. (Cl. 246—392.)



1. A movable frog for railway tracks comprising a bed plate mounted at the rail crossing, said bed plate being provided with parallel and transversely disposed slots, a movable frog plate mounted on the bed plate and provided with a pair of rail members in angular relation to each other and so disposed that when the frog plate is in one

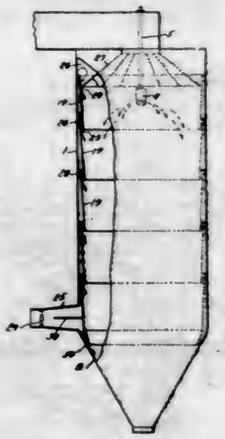
of its positions one of its rail members completes the interruption of one of the fixed track rails and when the frog plate is in its other position its other rail member completes the interruption in the other fixed track rail, said frog plate being provided with depending lugs protruding downwardly through the slots in the bed plate, connections with said lugs for shifting said frog plate, and means for covering the portions of said slots which would otherwise be exposed by the shifting of said frog plate.

1,634,639. TRACTION SHOE. WILLIAM E. WINE, Toledo, Ohio, assignor to The Tractor Grip Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 22, 1925. Serial No. 24,942. 3 Claims. (Cl. 305—13.)



2. As an improved article of manufacture, a friction shoe having a plurality of longitudinally extending ribs provided with projections, transverse webs connecting said ribs, said webs being alternately spaced, and a transverse bar to form driving connection with the teeth of a wheel, said bar being in alinement with the central transverse webs, the webs upon opposite sides of said bar having short longitudinal ribs extended therefrom toward opposite ends of the shoe.

1,634,640. SPRAY PROCESSING APPARATUS. PAUL T. ZIZINIA, Belmar, N. J., assignor to Industrial Spray-Drying Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 20, 1926. Serial No. 136,713. 11 Claims. (Cl. 159—4.)



4. Spray processing apparatus of the class described which comprises a chamber within which the treatment of the material takes place, means for passing a current of heated treating gas through said chamber, means for introducing the said material into the current of treating gas in finely divided condition, and means for directing along the inner walls of the said chamber a separate current of gas of temperature less than that of the incoming heated gas, whereby said walls are cooled and contact of the material being treated with the walls is restricted.

10. Spray drying apparatus of the class described which comprises a drying chamber, means for passing a current of drying gas through said chamber, means for introducing liquid material in finely divided condition into the initial portion of the said current of drying gas, the particles of the sprayed material being carried along during evaporation of the moisture thereof by the current of drying gas in like direction of flow, a discharge opening in said drying chamber permitting the escape of the said drying gas, a converging portion connecting the main body of the drying chamber with the said discharge opening and serving to direct the spent drying gas and the dry powder product to the said opening, means for establishing at various points along the length of the drying chamber and said converging portion moving sheets of gas extending in continuous closed conformation around the inner surfaces of said parts and moving along said surfaces in like direction of flow with the principal current or drying gas and material being treated, whereby objectionable contact of the material being treated with the parts of the apparatus is avoided throughout the entire length of the apparatus.

1,634,641. BEARING FOR LINK CHAINS AND BELTS. SAMUEL J. BENS, New York, N. Y. Filed Feb. 7, 1924, Serial No. 691,247. Renewed Nov. 16, 1926. 4 Claims. (Cl. 74—32.)



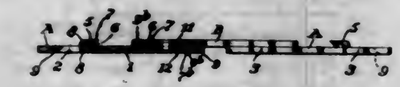
1. A link belt or chain comprising links having overlapping ends, pivot means passing through the overlapped ends, bearing blocks rigidly held in said links, said blocks having a flange at each end thereof overlying the links.

1,634,642. LUBRICANT RETAINER OR DUST COVER. SAMUEL J. BENS, New York, N. Y. Filed Feb. 7, 1924, Serial No. 691,248. Renewed Nov. 16, 1926. 5 Claims. (Cl. 74—32.)



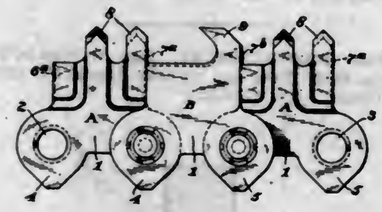
1. A link belt or chain including links having overlapped ends, means passing through the ends of each link to hold the overlapped links together in a pivotal manner, and a lubricant holder on the outside of one of said links covering both pivot means in said link and secured thereto by said pivot means.

1,634,643. INTERLOCKING LINK. SAMUEL J. BENS, New York, N. Y. Filed Feb. 7, 1924, Serial No. 691,249. Renewed Nov. 16, 1926. 5 Claims. (Cl. 143—135.)



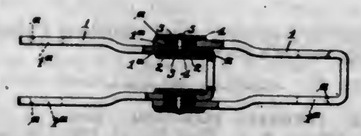
3. A chain saw including individual links having overlapping ends, an aperture in the end of each link, each link having an undercut projection thereon extending within the aperture of the overlapping link, and engaging an undercut portion of the aperture wall.

1,634,644. LINK FOR CHAINS OR BELTS. SAMUEL J. BENS, New York, N. Y. Filed Feb. 7, 1924, Serial No. 691,251. Renewed Nov. 16, 1926. 5 Claims. (Cl. 143—135.)



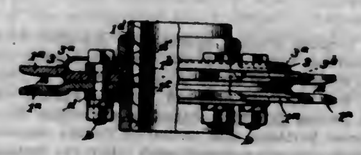
3. A chain or belt including individual links, adjacent links having their ends overlapped, means for securing the overlapped ends together in a pivotal manner, the edges of adjacent links being in contact with each other and overlapping each other in a manner in reverse relation to the overlapped ends.

1,634,645. LINK JOINT FOR CHAINS. SAMUEL J. BENS, New York, N. Y., assignor to Chain Saw Corporation, Wilmington, Del., a Corporation of Delaware. Substitute for application Serial No. 463,833, filed Apr. 23, 1921. This application filed Nov. 16, 1926. Serial No. 148,762. 4 Claims. (Cl. 74—32.)



1. In a link belt or chain joint, a pair of overlapping links having aligning openings, a pair of arc-shaped bushings within the openings, a wear receiving bushing between said arc-shaped bushings and side plates connected together and overlapping said bushings and links.

1,634,646. WHEEL OR SPROCKET SHEAVE. SAMUEL J. BENS, New York, N. Y., assignor to Chain Saw Corporation, Wilmington, Del., a Corporation of Delaware. Substitute for application Serial No. 463,834, filed Apr. 23, 1921. This application filed Nov. 16, 1926. Serial No. 148,763. 4 Claims. (Cl. 74—32.)



2. A pulley or sheave for sprocket chains or link belts having an annular channel on one face thereof open towards the axis of the wheel and ports or ducts leading from said channel to chain carrying portion of the wheel.

1,634,647. SPROCKET CHAIN OR LINK BELT. SAMUEL J. BENS, New York, N. Y., assignor to Chain Saw Corporation, Wilmington, Del., a Corporation of Delaware. Substitute for application Serial No. 463,835, filed Apr. 23, 1921. This application filed Nov. 16, 1926. Serial No. 148,764. 4 Claims. (Cl. 74—32.)



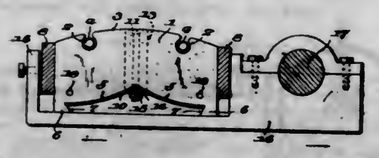
1. A link belt or chain having links provided with laterally extended flanges, and wear plates secured upon the outer faces of said flanges.

1,634,648. INSECT TRAP. ALBERT D. CARDINET, Los Angeles, Calif. Filed Mar. 4, 1926. Serial No. 92,237. 3 Claims. (Cl. 43—107.)



1. An insect trap, including a container, an overhanging cover for said container, and means on said overhanging cover to permit ingress of insects, the container having an overhanging edge co-operating with a corresponding up-turned edge of the cover to provide a substantially irremovable closure and also providing a support for the container.

1,634,649. HEATING AND DRYING DEVICE. FRANK J. COOK, Cleveland, Ohio, assignor of seventy-five per cent to Anne J. Kleuver, Lakewood, Ohio. Filed July 6, 1925. Serial No. 41,632. 7 Claims. (Cl. 34—18.)

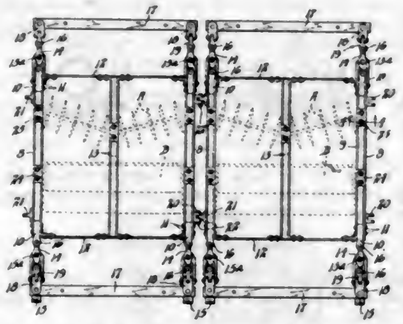


1. A heating and drying device comprising a plurality of supports formed from fire-resisting material, an electric heating element carried by said supports, and a deflector plate arranged beneath said heating element and adapted to direct an air draft over said heating element upon movement of said device.

1,634,650. UNITARY FRAME FOR FARM IMPLEMENTS. ALVIN R. COON, Chester, Mont. Filed Apr. 2, 1926. Serial No. 99,270. 9 Claims. (Cl. 97—233.)

1. A device of the class described having in combination a plurality of wheel supported unitary frames, each having spaced sides, means for hingedly securing said

frames together in tandem arrangement, means for hingedly securing said frames together in side by side arrangement, and means on each of said frames for attaching one or more implements thereto between said sides in a plurality of different lateral positions.

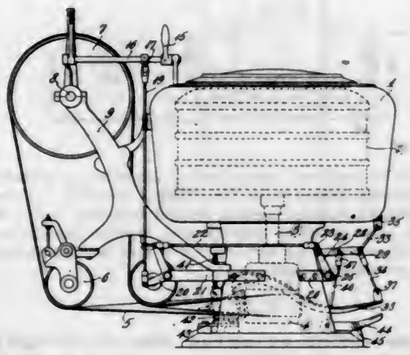


3. A frame of the class described having in combination side members, a plurality of coupling members, one adapted to be hinged adjacent each corner of said frame, and a wheel mounted beneath each coupling member adapted to support said frame.

6. A device of the class described having in combination a plurality of unitary frames, each comprising spaced parallel sides, caster wheels mounted adjacent each corner of said frame, means for removably mounting said caster wheels, means for hingedly attaching two or more of said frames together in side by side arrangement and means for securing two or more of said frames together in tandem arrangement.

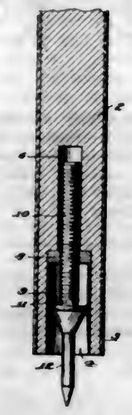
9. A device of the class described having in combination a plurality of unitary frames each comprising spaced vertically slotted sides, a pair of vertically apertured forks at each end of each of said frames and wheeled trucks for said frames each comprising a pair of coupling members having horizontally extending tongues adapted to be hinged to said forks and wheels supporting said coupling members, and swivelled therein.

1,634,651. BRAKE-ACTUATING MECHANISM FOR CENTRIFUGAL MACHINES. WILLIAM COLCLOUGH, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 572,575. 15 Claims. (Cl. 192—10.)



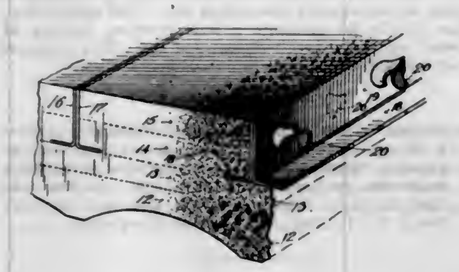
1. A centrifugal extractor, comprising a rotatable basket, a source of power for rotating the basket, means for operatively connecting said basket to and disconnecting the same from said source of power, means for effecting a braking action upon the basket, said two means being so interconnected that actuation of either will effect operation of both, and separate means for operating said braking means independently of said basket and power connecting and disconnecting means.

1,634,652. GOLF ACCESSORY. PAUL A. CZICHOS, Washington, D. C. Filed Apr. 20, 1927. Serial No. 185,211. 20 Claims. (Cl. 273—32.)



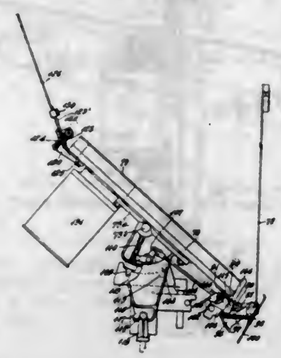
1. A golf tee positioning device, comprising a holder, a height adjuster and a pusher.

1,634,653. TERRAZZO FLOORING. BRUNO O. A. DE PAOLI, Palisade, N. J. Filed Oct. 17, 1921. Serial No. 508,303. 2 Claims. (Cl. 94—18.)



1. In a terrazzo flooring construction provided with a base composition upon which the terrazzo flooring composition is spread metal strips or plates having vertically extending web portions disposed flatwise against each other and having laterally extending anchoring flanges at their lower portions, said anchoring flanges extending in opposite directions away from each other, the vertically extending web portions of said strips having tongues pressed out therefrom, the tongues of one strip being in longitudinal staggered relation with respect to the tongues of the other strip, said strips being placed on said base composition and acting as a depth guide for the terrazzo flooring composition.

1,634,654. SHIRT-IRONING MACHINE. ALBERT J. DREHER, Cincinnati, and DANA H. BENJAMIN, Cleveland Heights, Ohio, assignors to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Dec. 10, 1921. Serial No. 521,423. 23 Claims. (Cl. 68—9.)



1. In an ironing machine, an ironing bed, and a thin metal form upon which a garment is adapted to be dressed, said form being pivotally mounted upon said bed and adapted for swinging movement about a substantially horizontal axis away from said bed so as to enable the garment to be conveniently dressed upon said form.

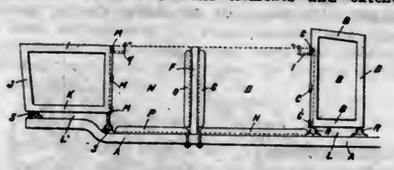
1,634,655. WASHOUT PLUG AND METHOD OF MAKING SAME. STANLEY W. ELSTONE, Walkerville, Ontario, Canada, assignor to Huron Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Jan. 22, 1925. Serial No. 4,109. 8 Claims. (Cl. 220—39.)



8. A closure plug comprising a body threaded for a portion of its length to engage a threaded circular wall and including circular enlargement, an outer extension at one end of the enlargement and a bendable wall projecting from said outer extension, and a gasket fitted to the said enlargement and projecting beyond the same at one end, and having its opposite end clamped to said enlargement by the bendable wall which is deflected inwardly.

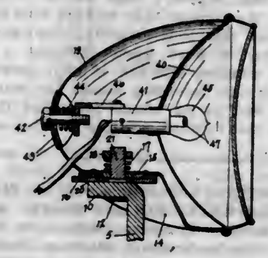
1,634,656. COACH BODY OF AUTOMOBILES. RAYMOND ALBERT FATOUX, Neuilly-sur-Seine, France. Filed Dec. 1, 1925, Serial No. 72,556, and in France Dec. 23, 1924. 2 Claims. (Cl. 296—1.)

1. In an automobile, a coach body consisting of a forward shell element mounted on the chassis by means of ball joints, a rear shell element mounted on the said chassis also by means of ball joints, doors pivotally mounted on one of the shell elements and extending



toward the other element and resilient means for preventing the doors jamming owing to the independent movements of the elements, substantially as described.

1,634,657. ROAD LIGHT LAMP. FAY O. FARWELL, Toledo, Ohio. Filed Jan. 20, 1926. Serial No. 82,422. 3 Claims. (Cl. 240—61.)



1. In a device of the kind described, a bracket including a journal portion, a bolt forming a stub shaft and rotatably mounted on said journal portion to extend at right angles thereto, a lamp rotatably mounted on said bolt, and a single operating means connected to said lamp and movable longitudinally to swing the lamp about said bolt and rotatively to swing the bolt about the journal portion.

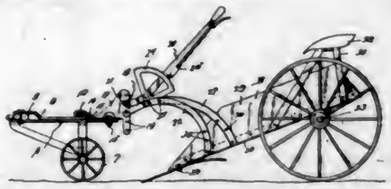
1,634,658. PHOTOPRINTING. EDWARD F. FLAMMER, New York, and HALSEY E. SILLIMAN, Brooklyn, N. Y., assignors, by mesne assignments, to Rainbow Photo-Reproductions, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 2, 1924. Serial No. 741,276. 18 Claims. (Cl. 41—41.5.)

1. The process which consists in exposing a bichromated sensitized colloid film photographically, hardening the light affected portions of the film by treatment with hydroquinone, and printing from the film.

1,634,659. PHOTOPRINTING. EDWARD F. FLAMMER, New York, and HALSEY E. SILLIMAN, Brooklyn, N. Y., assignors to Rainbow Photo-Reproductions, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 11, 1926, Serial No. 80,667, and in Canada Dec. 26, 1925. 8 Claims. (Cl. 41—41.5.)

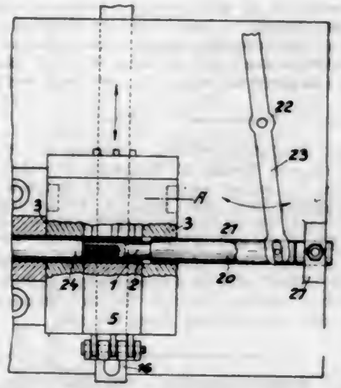
1. The process which consists in providing a colloid film sensitized with a chromic acid salt, exposing the film photographically, washing the film to remove chromic acid salt unaffected by light, subjecting the film to a reagent which acts on the portions of the film which have been unaffected by light to increase the hardness thereof, but which also acts on the light affected portions of the film to increase the hardness thereof to a much greater extent, and without removing the colloid from the first mentioned portions of the film, applying a greasy ink to the film and printing therewith while maintaining moist with water the portions unaffected by the light, the portions which have been affected by light, selectively receiving the ink and depositing it upon the article printed upon.

1,634,660. PEANUT DIGGER. GEORGE D. GRIZZARD, North Emporia, Va. Filed Sept. 7, 1926. Serial No. 133,983. 1 Claim. (Cl. 55—137.)



An agricultural digging device of the class described including in combination, a front wheeled frame, a casting on said frame, a lever pivoted to said casting, a toothed segment pivotally engaged with said lever at an intermediate portion thereof, a detent on said lever engageable with said segment, rods having intermediate portions fixed to the segment, their forward ends straddling the casting, their rear ends extending downwardly and outwardly, a rear wheeled frame including a pair of parallel spaced members attached at their forward ends to said rods, an axle extending across the rear portion of said means, and having wheels journalled thereon, a blade fixed to the forward portions of the means.

1,634,661. CONTRIVANCE FOR ROLLING ZINC AND OTHER SHEET-METAL HOLLOW WARE. JOHANNES GRONEFELD, Berlin, Germany, assignor to R. Sachs Gesellschaft mit beschränkter Haftung, Berlin, Germany, a German Company. Filed Feb. 24, 1926, Serial No. 90,394, and in Germany Mar. 6, 1925. 13 Claims. (Cl. 113—33.)



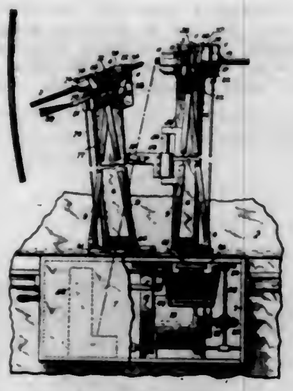
1. A machine for producing cylinders from sheet metal strips comprising a base block having a cylindrical bore therein and a guideway for the sheet metal; a mandrel mounted in said bore; a cutting device mounted on the block and having a knife arranged adjacent the guideway for cutting off the blanks to be formed into cylinders; and a plurality of rods slidably mounted in said block and adapted to feed the blanks of sheet metal into the bore and around the mandrel to form the cylinder.

1,634,662. SOUND-REPRODUCING APPARATUS. MORRIS M. GAUSER, East Orange, N. J., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed June 14, 1920. Serial No. 388,968. 3 Claims. (Cl. 274—35.)

1. In a sound box, a supporting member, a supported member mounted upon the perimeter of said supporting member, tubular cushioning spacing rings interposed between said members, means for compressing said rings in an axial direction whereby said rings will be expanded in a diametrical direction, recesses in the adjacent peripheral surfaces of said members, permitting expansion of portions of said rings into said recesses whereby said members are locked against relative rotation.



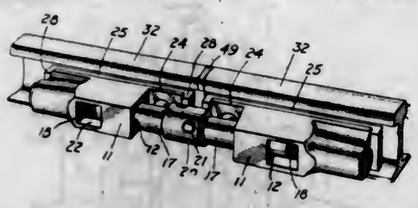
1,634,663. SEARCHLIGHT. THEODORE HALL, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 13, 1920. Serial No. 351,099. 9 Claims. (Cl. 176—51.)



1. In a searchlight, the combination with an electrode holder, of a member rotatable thereon, a threaded member concentric to and normally rotatable with said rotatable member, means for intermittently preventing rotation of said threaded member, a feed roller carried by said rotatable member, and means operable by relative rotation of said members for rotating said roller to feed said electrode axially.

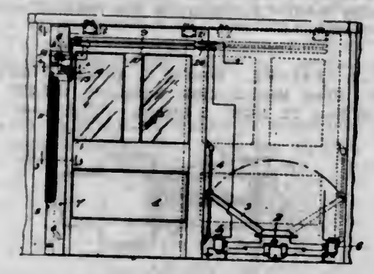
1,634,664. RAIL SPREADER. FORD W. HARRIS, Los Angeles, Calif., assignor to Magnetic Signal Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 23, 1926. Serial No. 89,911. 8 Claims. (Cl. 254—43.)

1. A rail spreader comprising: a pair of blocks having longitudinally elongated openings; bolts adapted to extend through said longitudinally elongated openings for attaching said blocks to adjacent rails, said bolts being adjustable in said longitudinally elongated openings so that said bolts may be aligned with openings in said rails; means for forcing said blocks apart; and adapter



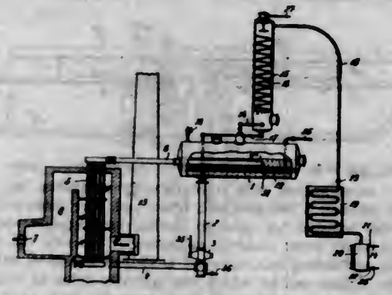
members placed between said blocks and said rails through which thrust is transferred from said blocks to said rails.

1,634,665. CONTROL MECHANISM FOR MOTOR-ACTUATED DOORS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Apr. 11, 1921. Serial No. 460,577. 4 Claims. (Cl. 200—54.)



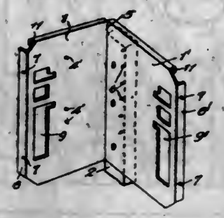
1. A circuit controlled apparatus for door operating motors, including circuit terminals carried at the front edge of the door and extending the substantial height thereof and insulated from each other against contact from vibration and arranged to be manually actuated into engagement so as to establish electric contact therebetween when the door, in closing, encounters an obstruction.

1,634,666. CRACKING OF HYDROCARBONS. EUGENE C. HEATHEL and HARRY L. PELZER, Chicago, Ill., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 8, 1924. Serial No 704,926. 15 Claims. (Cl. 196—55.)



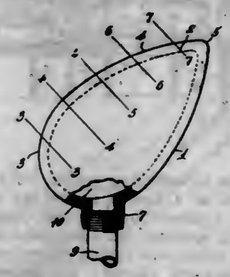
1. The improvement in the cracking of hydrocarbon oils under pressure which comprises heating a charge of the oil in a pressure still to the cracking temperature under pressure, maintaining in said still charge a body of fuller's earth or similar absorbent material supported on a support adapted to permit free passage of oil and extending entirely across the charge of oil in the pressure still, withdrawing oil from beneath said support and circulating it through heating tubes and discharging the oil from said tubes directly into the body of oil above such absorbent material.

1,634,667. DEVICE FOR USE IN APPLYING LOCKS TO DOORS, ETC. GERD HOBBIESIEFKEN, Burlington, Iowa. Filed Mar. 25, 1926. Serial No. 97,349. 4 Claims. (Cl. 33—197.)



1. Means for facilitating the application of mortise locks to doors consisting of a right angle device of sheet metal, one member of which is provided with point projections to mark the location of the door knob and key hole and the other member of which is provided with point projections to mark the location of the lock, the first named member being also provided with openings to mark the location of the locking bolt and latch bolt of the lock upon the door jamb.

1,634,668. PUFF IRON. HARRY C. HOLDEN, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 30, 1922. Serial No. 585,171. 1 Claim. (Cl. 68—26.)

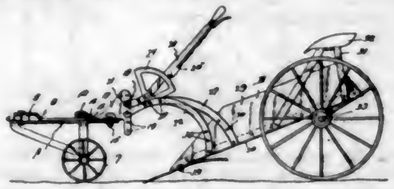


A puff iron, comprising a substantially ovoid body having a rounded heel end portion and a substantially pointed toe end portion, said body near the heel end portion being provided with means for attaching it to a support with its rounded heel end exposed, said body being so formed that its upper surface when on said support has a relatively sharp ridge extending from the toe end toward the heel end, said pointed toe and ridge being thereby presented upwardly for use in opening or ironing pleats, ruffles, folds or the like.

1,634,669. SOUND BOARD FOR PIANOS. GEORGE H. JONES, Oregon, Ill. Filed Sept. 30, 1922. Serial No. 591,619. 3 Claims. (Cl. 84—189.)

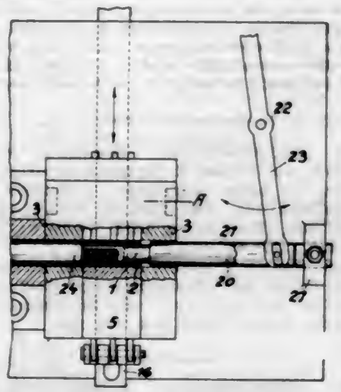
1. The combination with an upright piano having a sound board and a vertical post traversing the back there-

1,634,660. PEANUT DIGGER. GEORGE D. GRIZZARD, North Emporia, Va. Filed Sept. 7, 1926. Serial No. 133,983. 1 Claim. (Cl. 55—137.)



An agricultural digging device of the class described including in combination, a front wheeled frame, a casting on said frame, a lever pivoted to said casting, a toothed segment pivotally engaged with said lever at an intermediate portion thereof, a detent on said lever engageable with said segment, rods having intermediate portions fixed to the segment, their forward ends straddling the casting, their rear ends extending downwardly and outwardly, a rear wheeled frame including a pair of parallel spaced members attached at their forward ends to said rods, an axle extending across the rear portion of said means, and having wheels journalled thereon, a blade fixed to the forward portions of the means.

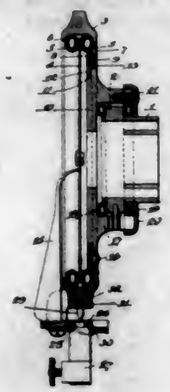
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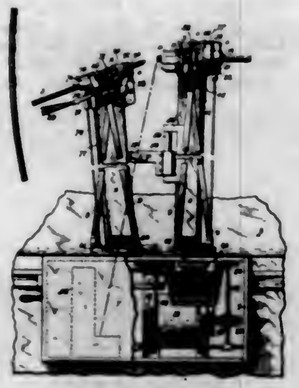
1. A machine for producing cylinders from sheet metal strips comprising a base block having a cylindrical bore therein and a guideway for the sheet metal; a mandrel mounted in said bore; a cutting device mounted on the block and having a knife arranged adjacent the guideway for cutting off the blanks to be formed into cylinders; and a plurality of rods slidably mounted in said block and adapted to feed the blanks of sheet metal into the bore and around the mandrel to form the cylinder.

1,634,662. SOUND-REPRODUCING APPARATUS. MORRIS M. GRUBER, East Orange, N. J., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed June 14, 1920. Serial No. 388,968. 3 Claims. (Cl. 274—35.)

1. In a sound box, a supporting member, a supported member mounted upon the perimeter of said supporting member, tubular cushioning spacing rings interposed between said members, means for compressing said rings in an axial direction whereby said rings will be expanded in a diametrical direction, recesses in the adjacent peripheral surfaces of said members, permitting expansion of portions of said rings into said recesses whereby said members are locked against relative rotation.



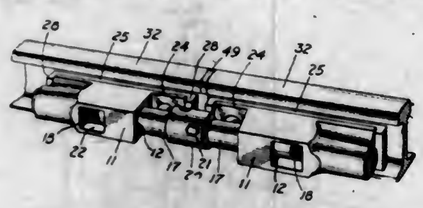
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1. In a searchlight, the combination with an electrode holder, of a member rotatable thereon, a threaded member concentric to and normally rotatable with said rotatable member, means for intermittently preventing rotation of said threaded member, a feed roller carried by said rotatable member, and means operable by relative rotation of said members for rotating said roller to feed said electrode axially.

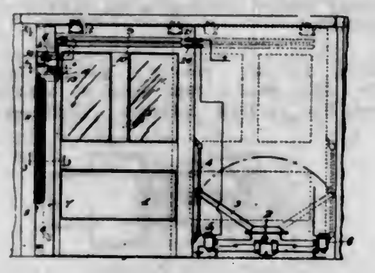
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1. A rail spreader comprising: a pair of blocks having longitudinally elongated openings; bolts adapted to extend through said longitudinally elongated openings for attaching said blocks to adjacent rails, said bolts being adjustable in said longitudinally elongated openings so that said bolts may be aligned with openings in said rails; means for forcing said blocks apart; and adapter



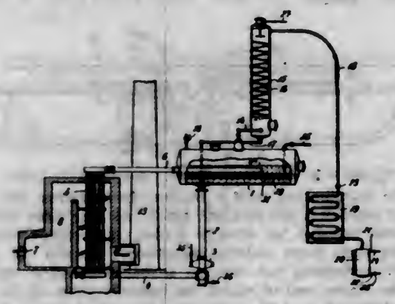
members placed between said blocks and said rails through which thrust is transferred from said blocks to said rails.

1,634,665. CONTROL MECHANISM FOR MOTOR-ACTUATED DOORS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Apr. 11, 1921. Serial No. 460,577. 4 Claims. (Cl. 200—54.)



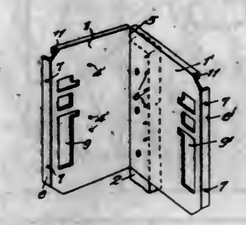
1. A circuit controlled apparatus for door operating motors, including circuit terminals carried at the front edge of the door and extending the substantial height thereof and insulated from each other against contact from vibration and arranged to be manually actuated into engagement so as to establish electric contact therebetween when the door, in closing, encounters an obstruction.

1,634,666. CRACKING OF HYDROCARBONS. EUGENE C. HERTHEL and HARRY L. PELZER, Chicago, Ill., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 8, 1924. Serial No. 704,926. 15 Claims. (Cl. 196—55.)



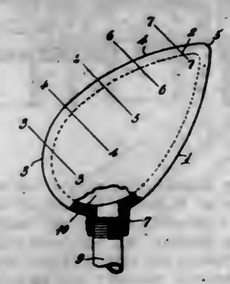
1. The improvement in the cracking of hydrocarbon oils under pressure which comprises heating a charge of the oil in a pressure still to the cracking temperature under pressure, maintaining in said still charge a body of fuller's earth or similar absorbent material supported on a support adapted to permit free passage of oil and extending entirely across the charge of oil in the pressure still, withdrawing oil from beneath said support and circulating it through heating tubes and discharging the oil from said tubes directly into the body of oil above such absorbent material.

1,634,667. DEVICE FOR USE IN APPLYING LOCKS TO DOORS, ETC. GERD HOBBIEBRUNKEN, Burlington, Iowa. Filed Mar. 25, 1926. Serial No. 97,349. 4 Claims. (Cl. 33—197.)



1. Means for facilitating the application of mortise locks to doors consisting of a right angle device of sheet metal, one member of which is provided with point projections to mark the location of the door knob and key hole and the other member of which is provided with point projections to mark the location of the lock, the first named member being also provided with openings to mark the location of the locking bolt and latch bolt of the lock upon the door jamb.

1,634,668. PUFF IRON. HARRY C. HOLDEN, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 30, 1922. Serial No. 585,171. 1 Claim. (Cl. 68—26.)

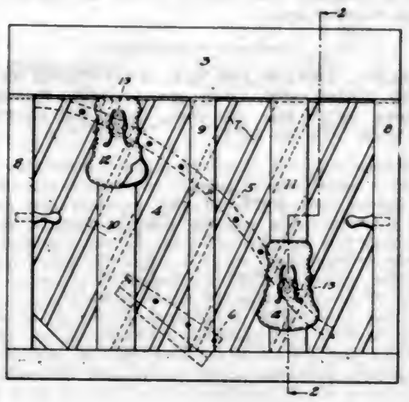


A puff iron, comprising a substantially ovoid body having a rounded heel end portion and a substantially pointed toe end portion, said body near the heel end portion being provided with means for attaching it to a support with its rounded heel end exposed, said body being so formed that its upper surface when on said support has a relatively sharp ridge extending from the toe end toward the heel end, said pointed toe and ridge being thereby presented upwardly for use in opening or ironing pleats, ruffles, folds or the like.

1,634,669. SOUND BOARD FOR PIANOS. GEORGE H. JONES, Oregon, Ill. Filed Sept. 30, 1922. Serial No. 591,619. 3 Claims. (Cl. 84—189.)

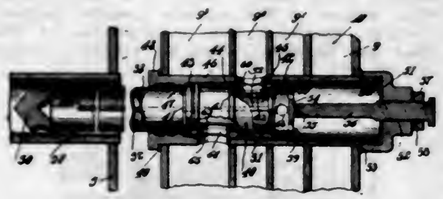
1. The combination with an upright piano having a sound board and a vertical post traversing the back there-

of adjacent the back of the sound board, of a hollow sound body wider than and forming part of said post; and a sound tube secured to and having one end closed



by said sound board, the other end of said tube being secured to and opening into said sound body, substantially as described.

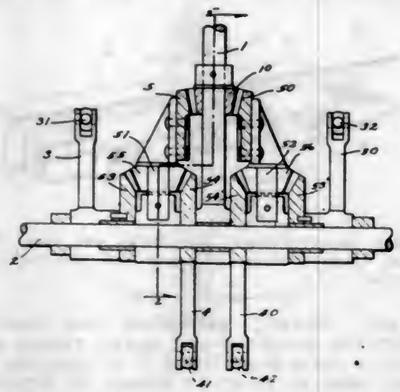
1,634,670. STEAM SUPERHEATING UNIT. TEODORO LARREY, Mexico, Mexico, assignor to himself and Luis Godard, Mexico, Mexico. Filed June 18, 1926. Serial No. 116,896. 3 Claims. (Cl. 122—462.)



1. In a steam superheating system for steam engines, the combination of a header having its interior partitioned to form a plurality of vertical chambers disposed one in front of another; an open-ended tapered sleeve mounted in the header and extending transversely through the several chambers thereof; an open-ended tapered sleeve frictionally engaged in the first-named sleeve and removable through the front end thereof, said sleeves having registering inlet ports which open into one chamber and registering outlet ports which open into another chamber; a tubular superheating unit inserted into and rigidly secured in the rear end of the inner sleeve to be withdrawn with the same through the said front end of the outer sleeve; and releasable fastening means for holding the inner sleeve against withdrawal.

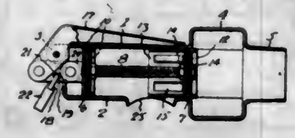
1,634,671. BRAKE EQUALIZER. WILLIAM J. LAURINE, Seattle, Wash. Filed May 20, 1926. Serial No. 110,375. 2 Claims. (Cl. 188—204.)

1. A multiple brake equalizer comprising, in combination with a plurality of members each adapted for operative connection to its respective brake, and with a member movable to initiate the braking effort, differential means connecting the several first members progressively in pairs to the last member, each of said differential means permitting free relative movement of the various



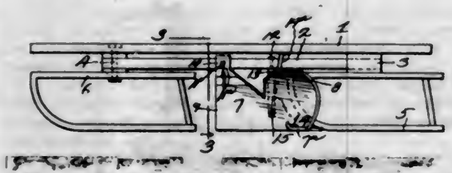
pairs of members within limits, but having limiting means preventing relative movement of the pairs of members therebeyond.

1,634,672. FAUCET. BONNIE L. MALLORY, Cleveland, Ohio. Filed Mar. 2, 1923. Serial No. 622,276. Renewed Nov. 22, 1926. 5 Claims. (Cl. 251—41.)



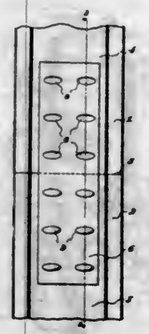
4. A faucet comprising a sheet metal body portion having an attaching portion and a discharge opening, a valve slidably disposed in said body portion, a portion of said body intermediate said discharge opening and attaching portion being enlarged and prismatic in cross section to form a wrench receiving portion, said valve controlling the flow of liquid from said wrench receiving portion to said discharge opening, a link connected to said valve and projecting through said body portion, means for sealing the opening in said body portion through which said link projects, and a lever operatively connected to said link.

1,634,673. SNOWPLOW. LOUIS MARTIN, Muncy, Pa. Filed July 20, 1926. Serial No. 123,676. 1 Claim. (Cl. 37—46.)



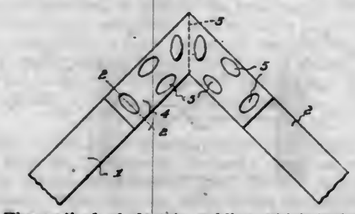
The combination with a rearwardly extending bar disposed beneath a bob-sled and front and rear sleds carried by said bob-sled, of scraper blades, said scraper blades having their front ends in engagement beneath the rearwardly extending bar, opposed U-shaped members carried by the blades and in which the opposite sides of the bar are disposed, a bolt extending through said U-shaped members and the bar, said blades diverging rearwardly and outwardly, a brace connected to the bar rearwardly of the blades, arms carried by said brace and diverging downwardly and outwardly, the outer ends of said arms being anchored to said blades.

1,634,674. METHOD OF CONNECTING METALLIC ELEMENTS. ROYAL MATTICE, Bethlehem, Pa. Filed July 17, 1925. Serial No. 44,340. 4 Claims. (Cl. 219—10.)



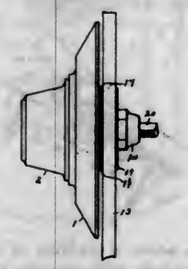
1. The method of connecting metallic members together end to end which comprises electrically welding a plate to said members on each side of the meeting edges thereof in such a manner as to form a plurality of shelves at the points of weld, the longer dimensions of said shelves being disposed opposite the longitudinal direction of said plate.

1,634,675. METHOD OF ELECTRIC WELDING. ROYAL MATTICE, Bethlehem, Pa. Filed Aug. 21, 1925. Serial No. 51,656. 4 Claims. (Cl. 219—10.)



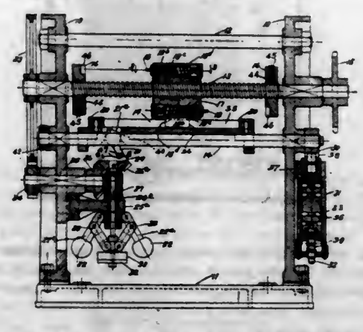
1. The method of electric welding which includes forming in a connecting element an opening, the longitudinal dimension of which is greater than the transverse dimension and then flowing metal into said opening to form a shelf at the place of weld transverse to the line of strain, and having a greater longitudinal dimension than a transverse dimension.

1,634,676. VERNIER DEVICE. THEODORE F. W. MEYER, Elizabeth, N. J., assignor to James R. English, Newark, N. J. Filed Dec. 1, 1922. Serial No. 604,296. 1 Claim. (Cl. 74—7.)



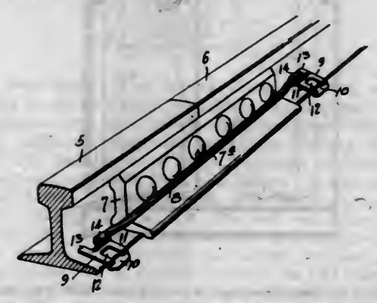
In a vernier device of the class described, the combination of a sleeve shaft having an index disk mounted upon one end thereof and a supporting bracket upon the other end thereof, a driving shaft extending through said sleeve shaft and having a turning knob upon its outer end and a driving pinion at its inner end, clutch members respectively upon said knob and disk whereby said shafts may be manually coupled together to rotate in unison, a gear train carried by said supporting bracket and having a gear in mesh with said pinion, and a frictionally retarded gear in mesh with the last element of said gear train, whereby the free rotation of said knob will communicate a materially slower rotation of said driven shaft.

1,634,677. CONTROLLER. FREDERICK B. MILLER, Scottdale, Pa. Filed July 10, 1923. Serial No. 650,654. 7 Claims. (Cl. 192—140.)



1. A controller comprising a frame, a screw shaft journaled in said frame and adapted to be operated by the source of power to be controlled, a cam shaft journaled in said frame, a traveling nut on said screw shaft, means operable by said nut for operating said cam shaft under normal speed conditions to limit the operation of said source of power, and other means for operating said cam shaft to govern the speed of said source of power.

1,634,678. TERMINAL STRUCTURE FOR RAIL BONDS. KARL J. MOSEBACH, Pittsburgh, Pa. Filed June 23, 1925. Serial No. 39,016. 4 Claims. (Cl. 173—278.)

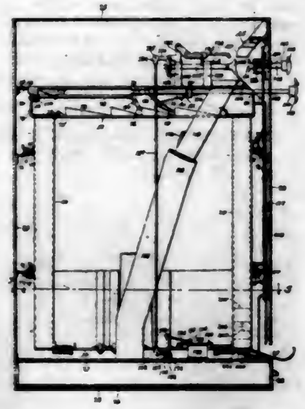


1. Terminal structure comprising a cable, a clip of sheet metal having a portion adapted to engage one side of the rail base, and a portion struck up therefrom adapted to engage the other side of said rail base, an extension on said last-named portion adapted to be secured to the cable end, and another extension on the last-named portion spaced from the cable end in a direction longitudinally thereof.

1,634,679. COIN-CONTROLLED VENDING AND CHANGE-MAKING MACHINE. CLIFTON W. NIXON, New York, N. Y. Filed July 27, 1922. Serial No. 577,822. 22 Claims. (Cl. 194—80.)

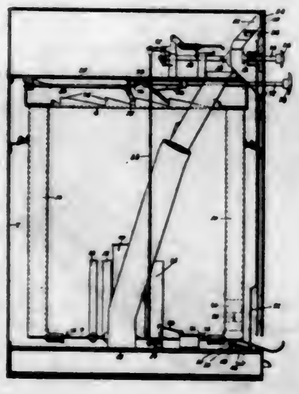
1. A coin-controlled vending and change-making machine comprising a casing, a magazine inclosed by the cas-

ing and provided with a series of groups of stacks capable of holding merchandise and different denominations of coins, a plurality of coin-controlled mechanisms, and



means operable by each coin-controlled mechanism for effecting the discharge of merchandise and coins from a different predetermined number of stacks of each group.

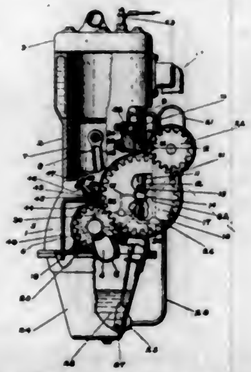
1,634,680. VENDING MACHINE. CLIFTON W. NIXON, New York, N. Y. Original application filed July 27, 1922, Serial No. 577,822. Divided and this application filed June 5, 1924. Serial No. 718,163. 8 Claims. (Cl. 194—1.)



1. In a vending machine, a casing provided with a coin-deposit slot, a movable magazine provided with a merchandise stack, a weighted-pin arranged in the stock to be projected therefrom when there are no articles in the stack, means for closing the coin-deposit slot including a pivoted lever arranged to receive said weighted-pin, and means for riding said weighted-pin upwardly into position to be received by said pivoted lever.

1,634,681. INTERNAL-COMBUSTION ENGINE. FRANK J. OAKES, Indianapolis, Ind. Filed May 21, 1926. Serial No. 110,655. 7 Claims. (Cl. 184—6.)

5. In explosive engines employing timing gears and a substantially oil tight casing to contain same; a means serving to introduce oil into said casing under pressure; an escape valve serving to automatically release such oil as the hydraulic pressure of same reaches a predetermined pressure per square inch, for supplying oil around said gears at a substantially uniform pressure; and a



cesspool means communicated between said introducing means and said casing in which settlings accumulate for clearing the oil.

1,634,682. POSITIONING DEVICE FOR KNITTING-MACHINE ELEMENTS. ALBERT E. PAGE, Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed Dec. 21, 1925. Serial No. 76,585. 6 Claims. (Cl. 66—104.)

1. In a knitting machine, a slotted needle-bed and web-holders, and a positioning bearing for determining the positions of web-holders in respect to the needle-bed, in combination with means for altering the relation position of portions of the positioning bearing in relation to the needle-bed and in the direction of the needle slots in the needle-bed to predetermined extents, and means for fixing the parts together in their altered relation.

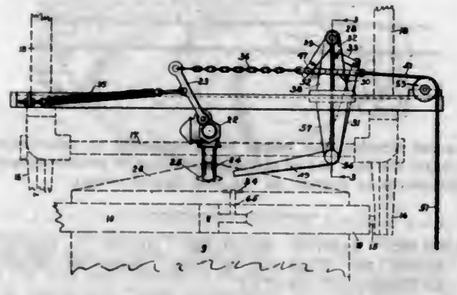
1,634,683. TRACTION WHEEL. KARL PROBST, Toledo, Ohio. Filed Aug. 18, 1924. Serial No. 732,621. 10 Claims. (Cl. 305—13.)



8. In a traction wheel, a plurality of traction elements connected to the wheel, each traction element having a roller, the wheel having a plurality of pairs of parallel surfaces terminating in a cylindrical surface, each roller fitting a pair of the said parallel surfaces, and the cylindrical surface and movable along the plane surfaces, the plane surfaces extending equi-distant inside and outside

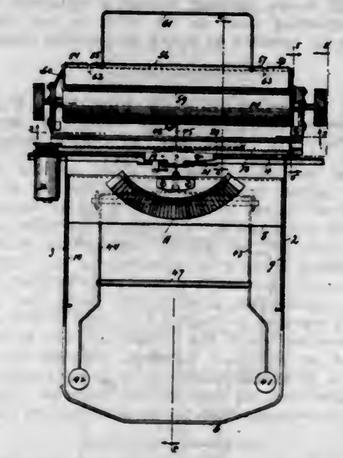
of the wheel, the parallel plane surfaces being separated by a distance substantially equal to the diameter of the roller, and the cylindrical surface located at the outside ends of the plane surfaces.

1,634,684. TOGGLE MECHANISM. CARL S. REIGER, St. Louis, Mo., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a Corporation of New York. Filed May 15, 1923. Serial No. 639,078. 9 Claims. (Cl. 249—1.)



1. An automatic weighing machine having, in combination, a weighing receptacle, means for movably supporting the receptacle, means for delivering material into the receptacle, a valve for controlling and cutting off the delivery of material, a toggle operating to lock the valve in open position when the toggle is straightened, a spring operating to close the valve when the toggle is broken, and means operating to initiate the breaking of the toggle when the weighing receptacle is depressed a predetermined amount comprising a lever connected to said toggle and tripping means for said lever adapted to contact therewith when said receptacle has been lowered the predetermined amount.

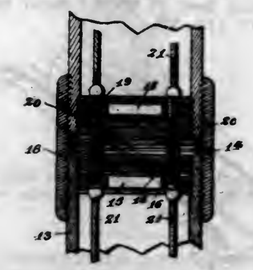
1,634,685. CHILD'S TYPEWRITING MACHINE. LUDWIG REISCHL, Nuremberg, Germany, assignor to Bing Werke (formerly Gebrüder Bing A. G.), Nuremberg, Germany. Filed Mar. 16, 1926, Serial No. 95,003, and in Germany Mar. 21, 1925. 4 Claims. (Cl. 197—73.)



1. In a typewriting machine of the type described, the combination with the frame, a carriage supported thereby and a shaft rotatably journalled in said carriage, of a paper-roller, a holder therefor, a paper-guide cooperating with said paper-roller, the said holder and paper-guide

both being mounted on the said shaft, a shift-key and a lever controlled thereby and adapted to engage said holder for rocking the same upon the depression of said shift-key.

1,634,686. WELL-DRILLING TOOL. EDWARD A. ROBINSON, Atlanta, Ga. Filed Dec. 10, 1926. Serial No. 153,883. 8 Claims. (Cl. 255—28.)



8. A device of the character described comprising a plurality of pipe sections adapted to detachably carry a tool at the lower end thereof and an auxiliary connection between said sections and between the tool and said sections comprising a ring threadedly carried within each end of said sections and in the upper end of the tool having a pair of openings arranged at opposite sides thereof and a pair of cable sections arranged within each pipe section, one end of each cable section having a threaded plug insertable in an opening in one of the rings and the opposite end of the cable having a threaded socket insertable in an opening in the opposite ring whereby to form a continuous connection between said cable sections.

1,634,687. DISPLAY BLOCK FOR MOUNTING ARTIFICIAL TEETH. JOSEPH A. SANDERS, Philadelphia, Pa., assignor to The Dentists' Supply Company, a Corporation of New York. Filed Sept. 2, 1922. Serial No. 585,842. 4 Claims. (Cl. 211—34.)



1. A tooth display block for dental use, consisting of an elongated pre-molded block of pliable wax material having artificial teeth attached thereon, combined with an integral elongated trough-like reinforcing backing structure of thin sheet metal of the same length as the wax block and having a back plate upon which the wax block rests and having integral opposing side flanges extending upward at right angles to the back and embracing the respective sides of the wax block, said backing structure open at its two opposite ends and having portions projecting into the body of the wax whereby the wax block is mechanically held to the backing structure in closed relation.

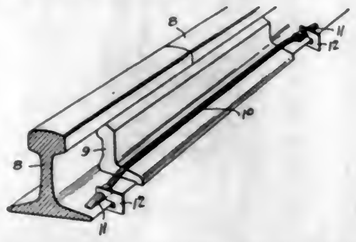
1,634,688. ANIMAL TRAP. JAMES E. SAPP, Bainbridge, Ga., assignor of one-half to Roland Bower, Bainbridge, Ga. Filed Feb. 8, 1926. Serial No. 86,838. 5 Claims. (Cl. 43—88.)



1. An animal trap including a base plate having a passage extending therethrough, jaws lying normally on one

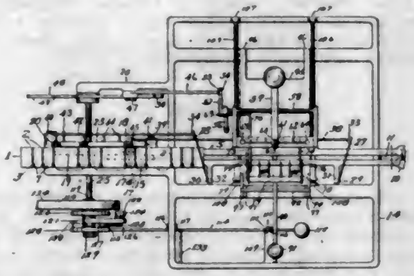
side of said base plate, a spring on the opposite side of said base plate for closing said jaws, the latter being projectable through said passage and connected to said spring.

1,634,689. ELECTRICAL TERMINAL. EDUARD SCHENK, Pittsburgh, Pa., assignor to Mosebach Electric & Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 13, 1924. Serial No. 749,640. 2 Claims. (Cl. 173—278.)



1. A conductor terminal comprising a longitudinally recessed member of decreasing depth toward one end thereof and adapted to contain one end of a conductor of smaller diameter than the depth of the deeper portion of the recess, a plate disposed across the conductor and between the walls of the recess at said deeper portion, and means for securing said plate and conductor in position in said recess.

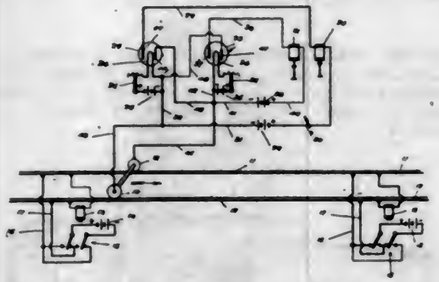
1,634,690. CIGAR-BUNCHING MACHINE. WALTER H. SCHUSSLER, Philadelphia, Pa., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,578. 3 Claims. (Cl. 131—39.)



3. In a cigar bunching machine, leaf feeding mechanism, cutting mechanism to which the leaves are fed and which cut a leaf at a time into sprigs, weighing mechanism to which the leaves pass from said cutting mechanism in which the leaves are assembled, and from which they are discharged when a predetermined weight of sprigs is contained therein, and means controlled by the discharge operation of said weighing mechanism to stop the machine.

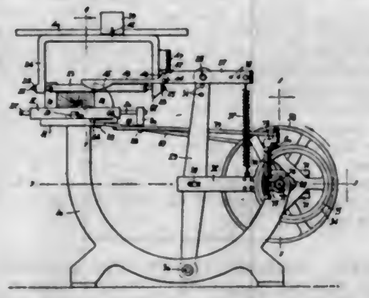
1,634,691. AUTOMATIC TRAIN CONTROL. DANIEL HERBERT SCHWEYER, Easton, Pa. Filed Apr. 26, 1924. Serial No. 709,140. 12 Claims. (Cl. 246—73.)

1. The combination with the traffic rails of a track and means for supplying and controlling the flow of electrical current in said rails, of a vehicle equipment including a circuit connected in electrical contact with said rails to receive current therefrom, two electrical valves each having three electrodes two of which are connected in said circuit, a circuit for each of said valves including a source of electrical energy and one of said two electrodes and the third electrode of the corresponding valve for the flow of current in the last named circuit dependent on the flow of current in the first named circuit, and translating means controlled by each of the last



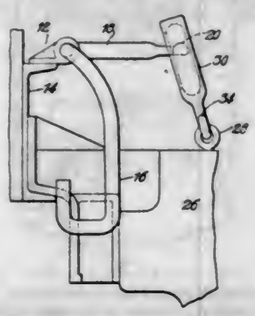
named circuits, the valves being arranged to selectively control the last named circuits according to predetermined differences in current in the first named circuit.

1,634,692. SAWING MACHINE. DANIEL C. SLAGHT, Easton, Pa. Filed Oct. 3, 1925. Serial No. 60,227. 10 Claims. (Cl. 29—73.)



1. In a sawing machine, a rotatable shaft, an eccentric mounted adjustably on the shaft to change the eccentricity thereof, a saw operably connected with said eccentric, and means operably connected with said eccentric for adjusting same on the shaft in any angular position of the eccentric or during the rotation thereof.

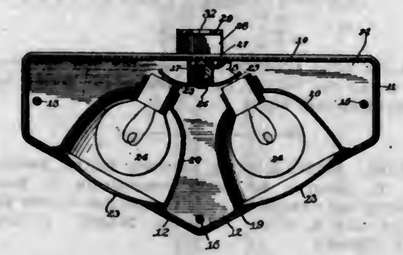
1,634,693. COUPLER-RELEASE RIGGING. WILLIAM C. SLEEMAN, Birmingham, and ANDREW J. MONTEE, Pratt City, Ala. Filed Nov. 23, 1926. Serial No. 150,251. 5 Claims. (Cl. 213—170.)



1. In combination with the locking pin of a car coupler, a releasing mechanism including a link having one end which engages the locking pin, and an operating rod

having a crank arm with a ball-like portion formed at the end thereof, said link having an elongated socket formed therein for coaction with said ball-like portion of said link.

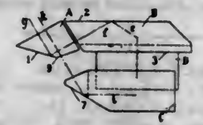
1,634,694. AUXILIARY HEADLIGHT. HARVEY G. SMITH, Salina, Kans. Filed July 21, 1926. Serial No. 124,029. 4 Claims. (Cl. 240—7.1.)



2. A device of the character described including a substantially triangular-shaped casing having a back wall and angularly disposed front walls, a contact supported by the back wall, angularly disposed reflectors secured to said walls, and lamps mounted in said reflectors and engaging the ends of the contact.

4. A device of the character described including a casing having angularly disposed front walls and a back wall, an insulating block fixed to the back wall, a flat spring contact fixed to said block and projecting at its ends at opposite sides of the block, angularly disposed reflectors carried by said front walls, and lamps mounted in said reflectors and having terminals engaging the ends of said contacts, the lamps flexing the contact longitudinally whereby the contact is held under tension for maintaining tight engagement between the contact and said terminals as well as holding the lamps against rattling.

1,634,695. EYEPIECE PRISM COMBINATION FOR USE IN RANGEFINDERS OF THE SELF-CONTAINED BASE TYPE. JOHN MARTIN STRANG, Anniesland, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Filed Feb. 7, 1922, Serial No. 534,746, and in Great Britain Feb. 15, 1921. 6 Claims. (Cl. 88—1.)



1. An eyepiece prism combination for use in rangefinders of the self-contained base type having, for the reflection of the beam of light from one of the telescope systems, reflecting surfaces, two of which are parallel to each other, substantially parallel to the plane of triangulation, and perpendicular to a third surface, these parallel surfaces being each contiguous to the said third surface, said third surface being perpendicular to the plane of triangulation and inclined at an angle of 45° to the base of the rangefinder, said three surfaces in the process of reflection operating to divide the beam, to reflect divided parts of the beam differently, in regard to order of reflection, and to cause the parts reflected to unite and reform the beam for the purposes set forth.

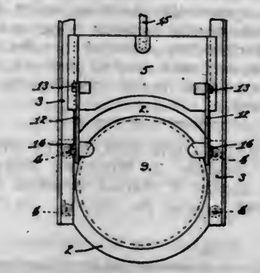
1,634,696. PLAYING-CARD HOLDER. VALENTIN CONSTANT TENEAU, Pelham, N. Y. Filed Feb. 23, 1927. Serial No. 170,128. 4 Claims. (Cl. 273—150.)

1. In a playing card holder, a pair of plates axially secured together in direct face abutting relation, said plates being provided at corresponding sides with registering reentrant portions, whereby the device is adapted to fit between the thumb and forefinger of the player's hand with the axis of the device adjacent the base of



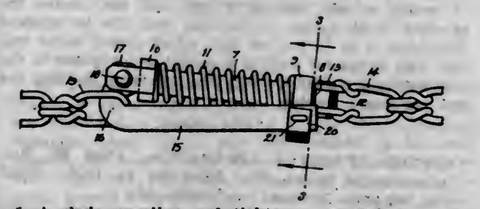
the thumb, said plates being resilient whereby playing cards may be introdnced between the plates to be gripped thereby.

1,634,697. CONVERTIBLE AUTOMATIC FLOODGATE AND CONTROLLABLE HEADGATE. KARL JOHAN THORSEN, Oakland, Calif., assignor to California Corrugated Culvert Company, Oakland, Calif., a Corporation of California. Filed Aug. 11, 1924. Serial No. 731,342. 4 Claims. (Cl. 251—19.)



1. A structure for the described purpose comprising a flanged member adapted to be attached to the end of a conduit, said flanged member having a seat formed at the inner portion thereof; a pair of spaced parallel guide members secured to the said flanged member at opposite sides thereof and rising therefrom; a carrier member extending between and slidably mounted in said guides for movement in a plane substantially parallel with said seat; means associated with said carrier member for moving it in said guides; and a gate member pivotally connected with said carrier member and capable both of movement with said carrier member in a plane substantially parallel to said seat, and of free swinging movement, independent of said sliding movement, to and away from its closed position upon said seat.

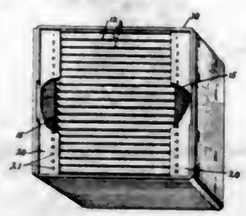
1,634,698. CHAIN COUPLING AND TIGHTENER. LEONARD TRAVIS, Sidney, Iowa. Filed Feb. 25, 1927. Serial No. 170,904. 4 Claims. (Cl. 24—239.)



1. A chain coupling and tightener comprising a pair of overlapping bars, said bars having T-heads at their overlapping ends, a coiled spring surrounding said bars

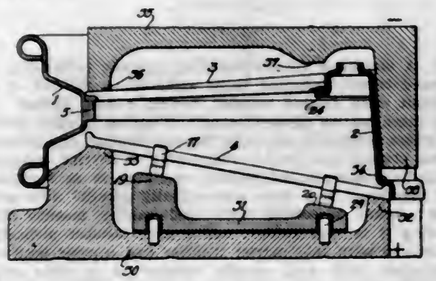
and abutting at its ends against said heads, and a lever having a hook at one end pivoted to the end portion of one of said bars opposite to the head of said bar, said head having a bent back extension forming a hook to receive said lever.

1,634,699. FILING AND SHIPPING RECEPTACLE. HUBERT S. UPJOHN, Los Angeles, Calif. Filed Sept. 26, 1925. Serial No. 58,761. 1 Claim. (Cl. 206—62.)



In a device of the class described, a receptacle, a plurality of partitions in said receptacle, said partitions having aligning apertures therein near each end thereof, an assembling and holding rod inserted in each of said apertures, a plurality of spacing members having apertures therein arranged on said rods and between said partitions to space said partitions apart intermediate their ends, said spacing members being secured to said partitions, a flexible strip arranged upon the outer end of said partitions, and said spacing members, said flexible strip having a portion thereof overlying the top of said spacing members.

1,634,700. METHOD AND APPARATUS FOR MAKING WHEELS. HERBERT H. WILLIAMS, Brooklyn, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Aug. 27, 1926. Serial No. 131,835. 10 Claims. (Cl. 29—174.)



1. In the manufacture of a spoked wheel, the method which consists in assembling a plurality of spokes in proper relative positions and holding them so by means separate from the hub and rim, applying them thus assembled to a hub and rim and welding them to the hub and rim.

8. An apparatus for the manufacture of a spoked wheel, comprising in combination means for welding a first set of spokes at one side to a hub and rim, means for effecting axial motion of the hub and rim in opposite directions so as to put the first set of spokes under tension, and means for welding a second set of spokes to the said hub and rim at the opposite side while holding the first set under tension.

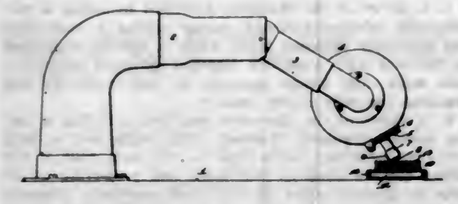
1,634,701. SPRAYING APPARATUS. JOHN W. WILLIAMS, South Miami, Fla. Filed Oct. 14, 1926. Serial No. 141,552. 7 Claims. (Cl. 299—39.)

1. In combination, a platform, a spray pipe, spray nozzles attached to the pipe at intervals, a pair of booms pivotally mounted on the platform to extend outwardly therefrom, means for suspending the spray pipes from the booms, means for simultaneously raising one boom



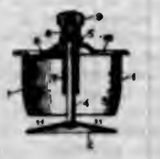
while the other boom is being lowered and vice versa, and means for raising and lowering the booms independently of each other.

1,634,702. NEEDLE REST. JOSEPH WOLFF, Brooklyn, N. Y., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed May 5, 1919. Serial No. 294,800. 2 Claims. (Cl. 274—9.)



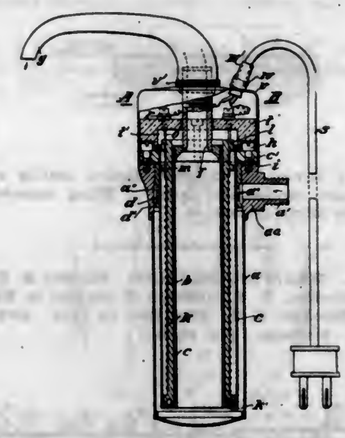
1. In a phonograph reproducer support, a stylus bar, a stylus carried by said stylus bar, said stylus projecting beyond and being of less diameter than said stylus bar, a rest to support said stylus bar and stylus when in inoperative position, said rest comprising a pad having an elastic surface, and a plurality of erect, elastic columnar members projecting above said surface a distance slightly greater than the distance from the end of said stylus bar to the point of said stylus, said members being spaced apart a distance greater than the diameter of the stylus and less than the diameter of the stylus bar, to permit said stylus to pass freely between said members but to cause the tops of a plurality of said members to engage said stylus bar, whereby the weight of the stylus bar is borne by said members while the stylus projects below the tops of and is surrounded by said columnar members.

1,634,703. NEEDLE RECEPTACLE. JOSEPH WOLFF, Brooklyn, N. Y., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,396. 7 Claims. (Cl. 206—1.)



1. A receptacle for phonograph needles or the like, comprising an inverted cup having an orifice of small dimension formed in the upper, or otherwise closed, end thereof, a reciprocating member positioned adjacent the open month of said cup and adapted to be reciprocated alternately to positions in contact with and spaced from the rim thereof, and when in contact with said rim to form a closure for the mouth of said cup, and means extending above the closed end of said cup to reciprocate said closure.

1,634,704. WATER HEATER. HERMANN BRAND, Berlin, Germany. Filed Dec. 20, 1926, Serial No. 156,041, and in Germany Dec. 22, 1925. 4 Claims. (Cl. 219—39.)



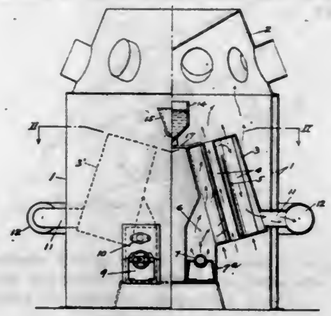
1. A water heater comprising in combination, an outer cylindrical container having an enlarged extension member adapted to connection with a source of water supply, a double-walled hollow cylinder fitted within said outer container and forming therewith an annular water space between opposing walls thereof, said double-walled cylinder being secured upon the extension member of the outer container in a fluid tight connection therewith, a heating element protectively fitted between the walls of said double-walled cylinder in fluid tight segregation from the water space of the heater, means for heating said heating element and means for discharging heated fluid from said container centrally of said double-walled cylinder and heating element.

1,634,705. DRAINER. HAZEL M. BRIDGES, Malden, Mass., assignor to Silex Company, Malden, Mass., a Corporation of Connecticut. Filed Aug. 2, 1926. Serial No. 126,092. 3 Claims. (Cl. 53—3.)



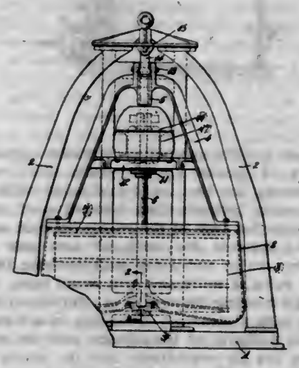
1. The combination with a glass coffee receptacle having a glass funnel depending therefrom of a perforated non-metallic drainer disc, a cloth strainer over said disc and a coiled spring attached to said drainer and depending through said funnel, said spring being normally shorter than the length of said funnel, and adapted, when extended, to be caught on the lower end of said funnel, and hold the drainer in position.

1,634,706. HEATING FURNACE. EDGAR E. CARROLL and FRANCIS B. CULBERTSON, Portland, Oreg. Filed Oct. 25, 1926. Serial No. 144,199. 10 Claims. (Cl. 126—116.)



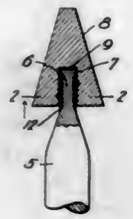
1. In a furnace, a casing having warm air outlets; a plurality of separate and distinct heating units located within the casing, each unit including a box-like structure extending across the furnace from front to back, a plurality of air passing tubes for passing air through the box-like structure and separately from the products of combustion, a burner chamber communicating with said box-like structure at its lowermost place and constituting a part of said heating unit, a burner in said burner chamber, said box-like structure having vents along the bottom edge of its wall that is opposite said burner chamber, said box-like structure and said burner chamber constituting a combustion and heating chamber; collecting headers connecting with the vents of the respective units for carrying off the products of combustion.

1,634,707. OVERDRIVEN EXTRACTOR. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 2, 1921. Serial No. 482,176. 1 Claim. (Cl. 308—142.)



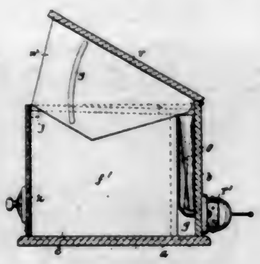
An extractor, comprising curb and basket members arranged to swing together about a joint from which they are suspended, a basket spindle having three separated bearings, upper, lower, and intermediate, in the curb member, the basket being secured to the spindle between the lower and intermediate bearings, and an electric motor having a rotatable part directly connected to said spindle between the upper and intermediate bearings for driving the spindle.

1,634,708. GRINDER. HERMAN E. S. CHAYES, New York, N. Y., assignor, by mesne assignments, to Chayes Dental Instrument Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 7, 1921, Serial No. 505,981. Renewed July 3, 1925. 3 Claims. (Cl. 51—206.)



1. In a rotatable grinder, a metal socket member for the grinder member, said socket member being provided with a hollow lateral projection for anchoring engagement with the grinder member, and a shaft member formed to fit the socket, said shaft being provided with channels and a fusible metal filling for the hollow projections and channels and attaching the socket to the shaft.

1,634,709. WIRELESS-APPARATUS CABINET STRUCTURE. GEORGE W. CISCO, Hawthorne, N. J. Filed Mar. 3, 1923. Serial No. 622,634. 3 Claims. (Cl. 274—2.)



3. A cabinet for the apparatus described including two spaced pairs of spaced upright walls, rear walls respectively joining the two inner and outer walls of said pairs and forming between them a sound space, means to form the bottom for each of the spaces between said pairs of walls and between the walls of each pair and between the rear walls, and a top wall covering the spaces between the pairs of walls and said sound space and having a passage forming the outlet of said sound space, in combination with a structure consisting of a lid covering said top wall inclusive of its passage and two wings depending from the lid respectively into the spaces between the walls of said pairs of walls, the lid being pivotally movable on a horizontal axis near said passage.

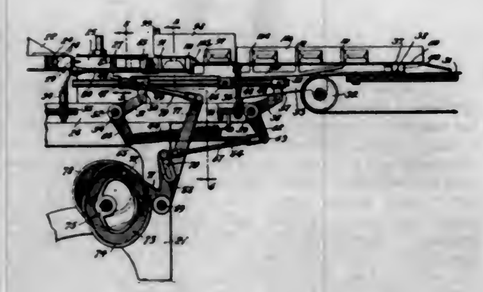
1,634,710. FILLED GUMMED CLOTH AND PROCESS OF MAKING THE SAME. CHARLES H. CROWELL, Brooklyn, N. Y. Filed Feb. 7, 1923. Serial No. 617,531. 8 Claims. (Cl. 91—68.)

8. The filled cloth comprising a body of cloth in substantially its original unshrunk condition and having on one side of the cloth a coating of filling composition entering the pores of the fabric and forming over the surface a substantially continuous layer, the other side of



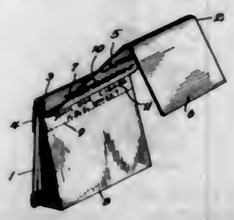
said cloth having an exposed adhesive coating and a united inner incorporated layer of filling material engaging the fabric threads.

1,634,711. WRAPPING MACHINE. MILFORD B. FERGUSON, Brooklyn, N. Y., assignor of one-half to Edward Haas, Brooklyn, N. Y. Filed Dec. 15, 1925. Serial No. 75,498. 8 Claims. (Cl. 93—2.)



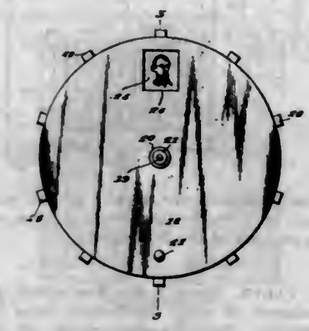
1. A machine for wrapping articles comprising, means for receiving a partially wrapped article having the two wider end flaps projecting longitudinally from the article, two stationary members spaced from the ends of the article and adapted to engage the inner surfaces of one pair of flaps, means arranged to move between the ends of the article and the members to fold the flaps against the article, the members serving to exert a drag on the flaps as they are folded against the article, and means for folding the other flaps against the ends of the article.

1,634,712. COMBINATION MATCH PACKET AND PAD. WILLIAM FRIEDMAN, New York, N. Y. Filed Apr. 20, 1925. Serial No. 24,479. 3 Claims. (Cl. 206—29.)



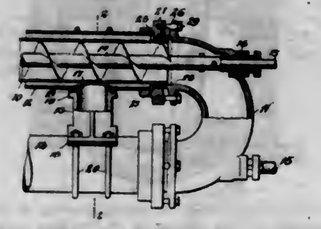
1. An article of the class described, comprising a strip of members having individual utility independent of each other, said members being so arranged as to constitute a relatively rigid support, and a pad of paper attached thereto and adapted to lie thereagainst, the leaves of said pad being of such a character as to require an auxiliary support for the purpose of writing thereon, whereby said strip of members may function as the necessary support to permit the pad to be used as a writing pad.

1,634,713. EDUCATIONAL DEVICE. MILDRED A. GAINES, Farmville, Va. Filed June 23, 1926. Serial No. 117,900. 4 Claims. (Cl. 35—9.)



1. An educational device comprising a body having circumferentially spaced pockets therein, cards adapted to be removably positioned within the pockets and having indicia thereon, and a cover movably mounted upon the body and having an opening therein arranged to singly disclose the spaced indicia.

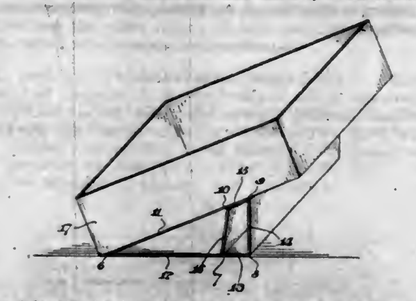
1,634,714. HEAT INTERCHANGER. NICOLAI H. HILLER and EDWARD B. MCCABE, Carbondale, Pa., assignors to Carbondale Machine Company, Carbondale, Pa., a Corporation of Pennsylvania. Filed Feb. 6, 1925. Serial No. 7,220. 10 Claims. (Cl. 257—247.)



1. In combination, a pair of inner tubes, a return bend connecting said tubes together in series with fixed centers, a pair of outer tubes, stuffing boxes at the ends of said outer tubes, encircling said inner tubes, and permitting limited lateral movement of each outer tube in respect to its inner tube, each of said outer tubes having an opening in the side thereof, and a connecting member registering with said openings.

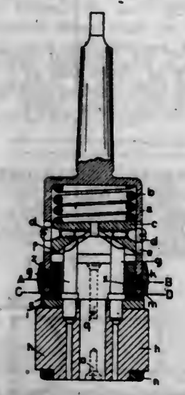
1,634,715. EASEL. HARRY G. HUEBNER, Philadelphia, Pa., assignor to Albert Eichhorn & Son, a Copartnership consisting of the following members: Jesse Eichhorn, Ida Bethel, Lillie Griffith, Charles Griffith, and Harry G. Huebner, Philadelphia, Pa. Filed Oct. 4, 1924. Serial No. 741,682. 1 Claim. (Cl. 211—24.)

An easel, comprising a plurality of extensions each in hinged relationship with an adjacent extension, said extensions adapted to assume a triangular configuration, and also to lie flat with one extension folded upon another, and a transversely extending strut in hinged relationship with one extension and entirely enclosed within



the triangle, having a free end adapted to engage a non-adjacent extension to maintain the triangular configuration when in operative supporting position.

1,634,716. DRILL SOCKET. WILHELM KISMAIER, Esslingen-on-the-Neckar, Germany. Filed Apr. 1, 1926, Serial No. 99,177, and in Germany Jan. 15, 1925. 2 Claims. (Cl. 77—55.)



1. A drill holder comprising in combination a casing, a longitudinally movable disc located within said casing, means connecting said disc to said casing and adapted to restrain a turning movement of said disc, a compression spring located in said casing and operating upon one face of said disc, the other face of said disc having grooves formed therein, said grooves being substantially radial and being also inclined to the longitudinal axis of the casing, radially movable gripping jaws adapted to grip the drill and located in said casing on that side of said disc having said grooves formed therein, and pins connected to said jaws and extending towards said disc, said pins having ends adapted to normally engage said grooves, said pins being movable in unison in all directions with said gripping jaws.

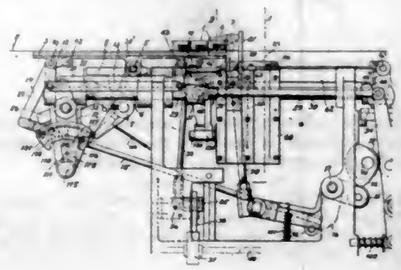
1,634,717. DENTAL IMPRESSION TRAY. GRANT HOBART LIGHT, Lebanon, Pa. Filed Aug. 3, 1925. Serial No. 47,970. 11 Claims. (Cl. 32—6.)



1. A dental device for making impressions of plastic material comprising component parts interconnected for

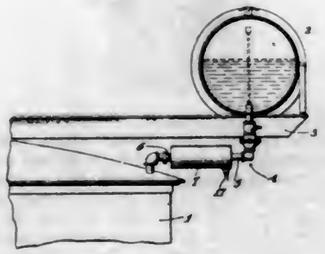
relative movement, and a common actuator adapted to simultaneously shift the parts to effect both longitudinal and lateral contraction of the device after placement in a patient's mouth.

1,634,718. ADJUSTING MECHANISM. FRANCIS X. MALOCSAY, Upper Saddle River, N. J., assignor to International Banding Machine Company, a Corporation of New York. Filed May 21, 1923. Serial No. 640,464. 19 Claims. (Cl. 131—61.)



1. In a device of the character described, means for feeding a plurality of cigars one at a time to feeding position, and means for adjusting said first named means corresponding to various sized cigars.

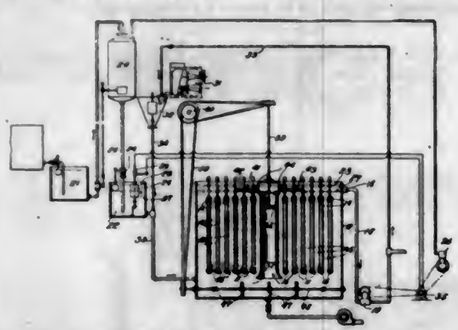
1,634,719. HEATER FOR TRANSFORMER OIL. DONALD GRATTAN MCARN, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 96,823. 8 Claims. (Cl. 219—19.)



1. The combination with a transformer casing and an oil expansion tank therefor having a piping connection therewith, of a self-contained heater comprising an electrical winding and a casing entirely enclosing the same, said casing having a longitudinal bore within which a portion of said piping is snugly disposed and adapted to be slid relative thereto.

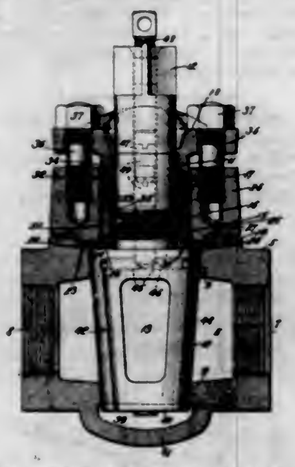
1,634,720. APPARATUS FOR PRECIPITATING AND FILTERING. LOUIS D. MILLS, Redwood City, and THOMAS B. CROWE, Palo Alto, Calif., assignors to The Merrill Company, San Francisco, Calif., a Corporation of California. Filed May 8, 1924. Serial No. 711,923. 4 Claims. (Cl. 210—181.)

1. An apparatus for precipitating and filtering from solution comprising, a tank, means for introducing a solution containing particles of solids in suspension into the tank, a series of vertically arranged filter units in the tank, a vertically arranged conduit in the tank, means for drawing the solution in the tank up through the conduit, and means located above the discharge end of the conduit for preventing the solution drawn up through the



conduit from rupturing the surface of the solution in the tank and for directing the flowing solution outwardly over the upper ends of the filter units.

1,634,721. VALVE. SVEN JOHAN NORDSTROM, Saratoga, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed Feb. 1, 1926. Serial No. 85,119. 8 Claims. (Cl. 251—97.)

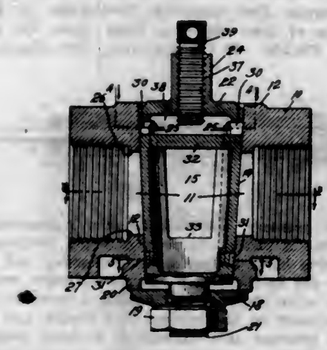


1. A valve comprising, a casing having a passageway therethrough, a plug seated in the casing and having a hole adapted to register with the passageway, one side of the casing being provided with an annular recess above the larger end of the plug, a flexible ring located within the recess, a cover adapted to be secured to the casing and to hold the outer rim of the ring tightly against the casing, an internally threaded collar mounted on the inner edge of the ring and extending outwardly, a stem projecting outwardly from the plug and having a threaded section engaged by the collar, means for adjustably exerting a yielding pressure on the outer end of the collar, and means for lifting the plug from its seat so that a film of lubricant may be spread between the plug and its seat.

1,634,722. VALVE. SVEN JOHAN NORDSTROM, San Francisco, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a Corporation of Delaware. Filed June 12, 1926. Serial No. 115,413. 5 Claims. (Cl. 251—93.)

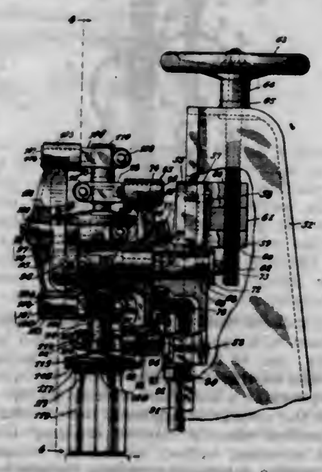
1. A valve comprising, a casing having a longitudinal passageway therethrough and a tapered valve seat formed

transversely of the passageway, a tapered plug seated in the valve seat and having a hole adapted to register with the passageway, means for holding the plug against its seat, the valve seat being provided with four longitudinal grooves spaced substantially 90° apart extending above and below, respectively, the planes passing through the upper and lower sides of the passageway through the valve seat, the bearing surface of the plug being provided at the larger end of the plug with two transverse grooves lying in the plane passing through the upper ends



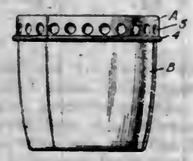
of the longitudinal grooves and at the smaller end of the plug with two transverse grooves lying in the plane passing through the lower ends of the longitudinal grooves, each pair of transverse grooves being substantially 90° in length and arranged parallel with the hole through the plug, the ends of each pair of transverse groovs being spaced substantially 90° apart, a reservoir in the plug for containing lubricant, connections between the reservoir and one pair of transverse grooves, and means for putting the lubricant in the reservoir under pressure to force it into the grooves.

1,634,723. FRICTION-CAP MACHINE. ABRAHAM PODEL, Long Island City, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Sept. 20, 1923. Serial No. 663,860. 9 Claims. (Cl. 226—80.)



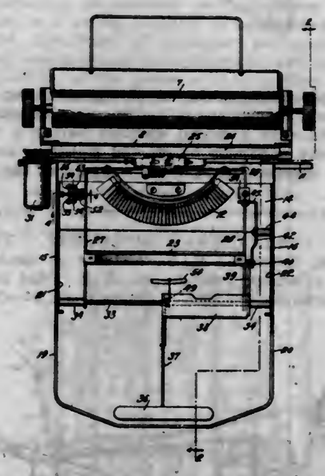
9. A closure applying machine, comprising a pair of rotating members driven from the same source of power, said members having independent axes of rotation, a plurality of closure applying elements, individual stems secured to said closure applying elements and individual pairs of means secured to said stems, one of the means of each pair being pivoted to one of said rotating members and the other means of each pair being pivoted to the other of said rotating members.

1,634,724. SEALING CAP AND PACKAGE. GEORGE RAMSEY, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Jan. 27, 1921. Serial No. 440,300. 3 Claims. (Cl. 215—38.)



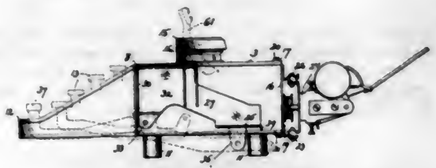
1. A closure cap comprising a cover portion, a cylindrical skirt depending from said cover, a plurality of rounded sealing buttons in said cylindrical skirt, the depth of said buttons being small as compared with the diameter thereof, and said buttons being spaced from each other a distance substantially equal to the diameter of a button, the portion of the skirt between the buttons being cylindrical before application to a vessel and deformed as a result of application.

1,634,725. CHILD'S TYPEWRITING MACHINE. LUDWIG REISCHL, Nuremberg, Germany, assignor to Bing Werke, Nuremberg, Germany. Filed Feb. 19, 1926, Serial No. 89,255, and in Germany Feb. 21, 1925. 8 Claims. (Cl. 197—82.)



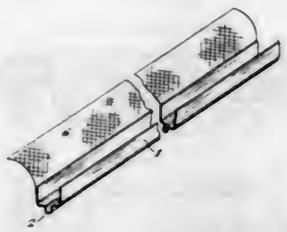
1. In a typewriting machine of the class described, a frame, a paper roller carriage, a rack on the carriage, a pawl for cooperating with the rack, a stud secured transversely in the frame, a U-shaped yoke on which the pawl is mounted, said yoke being pivotally mounted at the ends of its arms on the stud, a space key lever mounted on the stud, and an intermediate lever pivoted in the frame, said intermediate lever having a loose connection with the space key lever and bearing upon the yoke, so as to depress the cross-piece thereof when the space key lever is depressed.

1,634,726. CHILD'S TYPEWRITING MACHINE. LUDWIG REISCHL, Nuremberg, Germany, assignor to Bing Werke, Nuremberg, Germany. Filed May 19, 1926, Serial No. 110,052, and in Germany June 2, 1925. 9 Claims. (Cl. 197—186.)



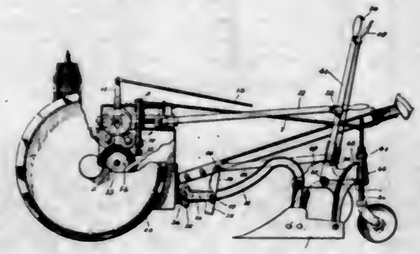
1. In a child's typewriting machine, the combination of a one-piece sheet metal casing substantially U-shaped in cross-section and comprising a recessed top-wall and side-walls, a transverse rear wall adapted to be secured to said top wall and said side walls and a separate one-piece U-shaped sheet-metal supporting frame adapted to be received within said casing and supporting the entire mechanism and keys of the machine.

1,634,727. MEANS FOR DEVELOPING AND TRANSPLANTING PLANTS. WILLIAM ORMISTON ROY, Montreal, Quebec, Canada. Filed Aug. 16, 1924. Serial No. 732,495. 3 Claims. (Cl. 47—37.)



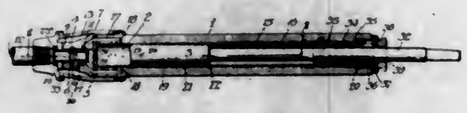
1. A transplanting shield for plants, consisting of an elongated body, impervious to rootlets, open at both ends and provided with a lateral aperture having a flexible covering, fully permeable by air and moisture, normally closing the aperture to hold the contents of the shield therein.

1,634,728. AGRICULTURAL IMPLEMENT. WILLIAM F. SMITH, Brooklyn, N. Y., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Filed Dec. 17, 1921. Serial No. 523,135. 6 Claims. (Cl. 97—50.)



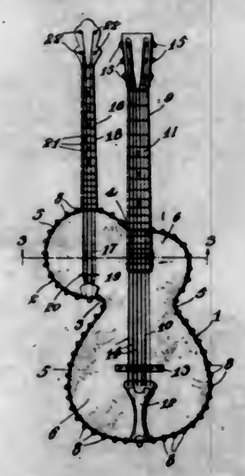
1. In a vehicle, a motor for driving the vehicle, an agricultural implement mounted on a beam, a journaled connection between said vehicle and beam, a manually rotatable lever supported by the beam, means responsive to rotation of said lever for simultaneously raising the ends of said beam connected to the vehicle and said implement, a bar adapted to be detachably connected to the said rotatable lever, and means operated by the motor for reciprocating the bar and thereby rotating the said lever.

1,634,729. FLUID-PRESSURE-OPERATED HAMMER. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 11, 1920. Serial No. 423,264. 15 Claims. (Cl. 121—27.)



1. A fluid pressure operated hammer comprising a cylinder having a piston chamber, a piston reciprocable therein, a valve block having a valve chamber and closing the rear end of the piston chamber, a valve reciprocable in the valve chamber and having a pressure area constantly exposed to the motive fluid supply and having a larger pressure area exposed to variable pressure, said hammer having a constantly open by-pass between said supply and said larger pressure area, and a passage from said by-pass to the rear end of the piston chamber, said passage being controlled by the piston in its reciprocations.

1,634,730. STRINGED MUSICAL INSTRUMENT. FRANK TRAVAGLINI, Philadelphia, Pa. Filed Mar. 10, 1924. Serial No. 697,977. 3 Claims. (Cl. 84—263.)

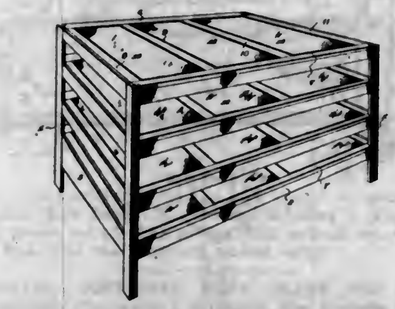


3. In a stringed musical instrument an elongated sound body formed with oppositely curving top and bottom enlargements; one of the top enlargements being circular in form and curving topwardly beyond the other of the top enlargements; a sheepskin covering for the elongated body and the circular enlargement thereon and provided with a beaded edge; a member engaging said beaded edge and extending entirely around the elongated body and the circular enlargement thereon; means for holding said member in adjusted position, a banjo neck having an extension passing through the center of the circular extension, parallel to and extending slightly beyond the guitar neck.

1,634,731. PROCESS OF PRODUCING SAND MOLDS FOR MOLDING STONE PATTERN PLATES. KARL WERNER, Dresden, Germany. Filed Jan. 19, 1925. Serial No. 3,541. 2 Claims. (Cl. 18—47.)

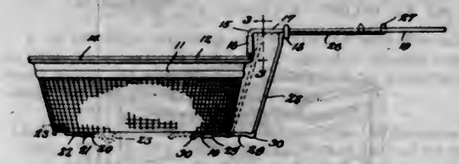
1. The process of producing sand molds for molding stone pattern plates consisting in molding the sand first, impregnating its surface shortly before use by powdering it with pulverized resins and slightly heating it, whereupon the liquid modelling mass is poured in.

1,634,732. SHOW CASE. JOHN WILLIAMS, Washington, D. C. Filed Feb. 23, 1926. Serial No. 90,052. 4 Claims. (Cl. 211—14.)



1. A counter show case of the type that is inaccessible from the front thereof and accessible from the rear, comprising a plurality of fixed forwardly inclined receptacles arranged in spaced relation to each other, a transparent, removable and tiltable cover for each receptacle, said covers being arranged to be tilted from the rear of the case, and means to automatically engage the several covers when they are swung to raised position, whereby ready access to the several receptacles may be had.

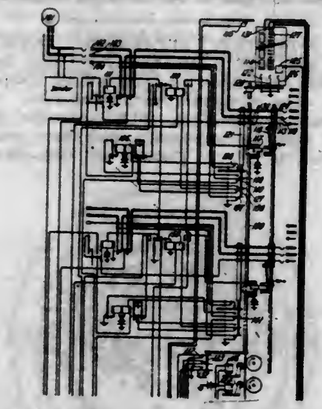
1,634,733. FRYING BASKET. WALTER BRUCE WILLS, Baltimore, Md. Filed Sept. 30, 1925. Serial No. 59,514. 1 Claim. (Cl. 53—7.)



A utensil of the kind described having a plurality of supporting arms pivoted beneath the bottom of utensil eccentrically thereof and arranged to protrude beyond said bottom when swung into one position and to be housed beneath said bottom when swung into a second position, a further supporting arm located beneath the bottom and movable inwardly and outwardly thereof independently of the first arms, and a handle extending from the utensil and supporting the last mentioned arm movably into and out of protruded position.

1,634,734. TELEPHONE-EXCHANGE SYSTEM. WILLIAM G. BLAUVELT, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 7, 1926. Serial No. 107,473. 5 Claims. (Cl. 179—18.)

1. In a telephone exchange system, a selector switch, a register sender, a plurality of groups of trunks having terminals and accessible through said selector switch, means for identifying the sleeve terminals of busy trunks, and means associated with said selector switch for causing the operation of said switch to select a particular group of trunks and to find an idle trunk in said group, said means being held operated continuously during the



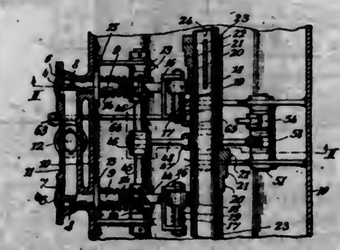
operation of said switch, under the control of said sender during group selection and under the control of the sleeve terminal of busy trunks during trunk hunting.

1,634,735. PROCESS FOR PRODUCTION OF HYDROCYANIC ACID. GEORG BREDIG and EGON ELÖD, Karlsruhe, Germany. Filed Jan. 28, 1924, Serial No. 689,156, and in Germany Dec. 7, 1922. 22 Claims. (Cl. 23—151.)

1. Process for the production of hydrocyanic acid by the interaction of ammonia and carbon monoxide in a heated condition in the presence of a catalyst comprising an oxide of an element of rare earth metal group and in the absence of oxygen.

22. Process for the production of hydrocyanic acid by the interaction of ammonia and an excess of carbon monoxide in a heated condition in combination with considerable quantities of hydrogen for protecting the ammonia employed and the hydrocyanic acid formed from decomposition, in the presence of a catalyst comprising a mixture of cerium oxide and aluminium oxide in the proportion of 2 to 1.

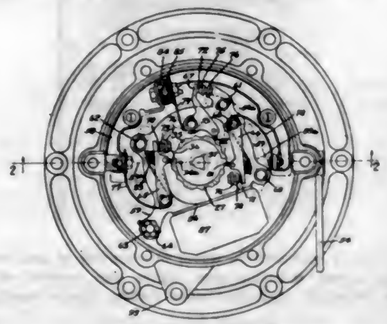
1,634,736. VALVE GEAR FOR POWER ENGINES. JACOB BUCHLI, Winterthur, Switzerland. Filed Nov. 23, 1925, Serial No. 70,910, and in Germany Dec. 31, 1924. 6 Claims. (Cl. 121—167.)



1. In a power engine, in combination, a working cylinder, valves to control the admission of the working fluid to said cylinder, a cam shaft provided with cams of different throw to control the operation of said valves, means to cause an axial displacement of said cam shaft, a roller operatively connected to each valve and cooperating with said cams, said operative connection between the valve and its roller permitting of a displacement of said roller in its axial direction to take part in

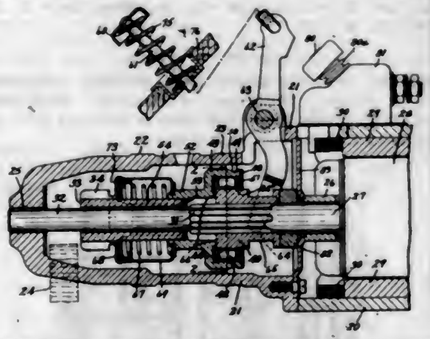
the displacement movements of said cam shaft, when the roller has to cooperate with a cam of a larger throw, and resilient means opposing said displacement movement of said roller to return it into its initial position.

1,634,737. IGNITION APPARATUS. WILLIAM A. CHRYST and JOHN H. HUNT, Dayton, Ohio, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Original application filed Dec. 22, 1917, Serial No. 208,369. Divided and this application filed Sept. 26, 1924. Serial No. 740,102. 11 Claims. (Cl. 200—21.)



3. An ignition device comprising, in combination, a timer cam; a plurality of circuit interrupters including stationary contacts and cooperating contact arms having cam followers cooperating with the cam; a supporting plate for said interrupters; and means for adjusting the supporting plate relative to the cam for changing concurrently, the relative angular location of one of the interrupters to the cam to a greater degree than the relative angular location of the other interrupter to the cam.

1,634,738. ENGINE-STARTING APPARATUS. WILLIAM A. CHRYST, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 27, 1925. Serial No. 52,928. 3 Claims. (Cl. 74—7.)



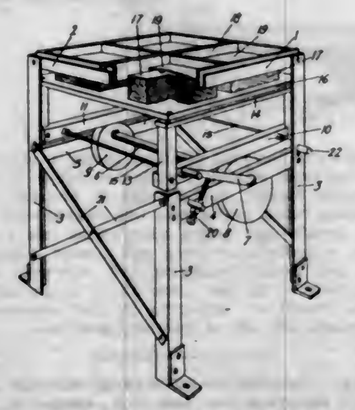
3. Engine starting apparatus comprising, in combination, a motor, a shaft driven by the motor, an overrunning clutch including a shell member, a cam member within the shell and rollers between the clutch members, said cam member being connected with the shaft for rotation with the shaft and sliding movement thereon, an internally splined tubular part connected with the clutch shell and slidable along the shaft, a pinion adapted to mesh with a gear of the engine to be started and having an externally splined hub cooperating with the tubular part of the clutch shell, a spring surrounding the shaft and located between the clutch and pinion for transmitting motion from the clutch to the pinion in one direction, means surrounding spring for transmitting motion from the clutch to the pinion in the opposite direction, a motor switch, and means for closing the switch and moving the clutch and pinion, said spring yielding in case of pinion tooth abutment to permit closing the motor switch.

1,634,739. FENCEPOST. CHASE COLVIN, South Charleston, Ohio. Filed Dec. 24, 1923. Serial No. 682,478. 8 Claims. (Cl. 189—29.)



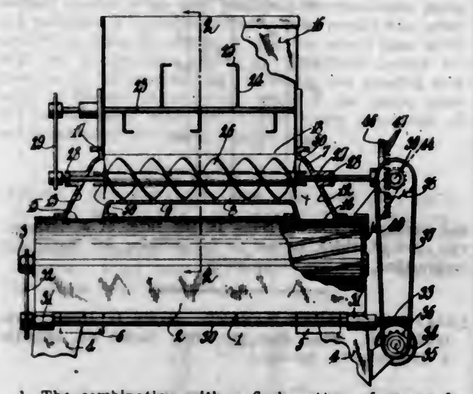
1. The combination with a fence post comprising a body portion having a flat face, of a face plate engaging the flat face of said body portion and having parts extending across the respective edges of said post and pressed into engagement with the rear face thereof, said body portion having a lateral projection substantially in the plane of said face to limit the vertical movement of said face plate relatively thereto.

1,634,740. APPARATUS FOR MAKING TILE. ALBERT C. DALE, Columbus, Ohio. Filed Apr. 26, 1926. Serial No. 104,567. 5 Claims. (Cl. 25—41.)



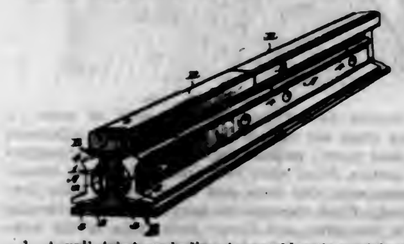
1. Apparatus for making tiles comprising a movable frame, a plate mounted upon the top of said frame, pallet blocks resting upon said plate and secured thereto pallets mounted upon said blocks, means for supporting said frame, means for actuating said supporting means to raise and lower said frame, and means adapted to engage said actuating means to limit the lowermost position of said frame.

1,634,741. FLOCK-CUTTING MACHINE. WILLIAM J. DECOTEAU, Claremont, N. H., assignor to Claremont Waste Manufacturing Company, a Corporation of New Hampshire. Filed May 12, 1925. Serial No. 29,813. 43 Claims. (Cl. 83—6.)



1. The combination with a flock cutter, of means for feeding flock thereto by pressure, including a receptacle and means for effecting substantially uniform conveyance of flock from the receptacle to said cutter.

1,634,742. COMPOSITE WEAR PLATE FOR RAIL JOINTS. CLARKSON A. DISSOW, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1927. Serial No. 168,704. 8 Claims. (Cl. 238—244.)



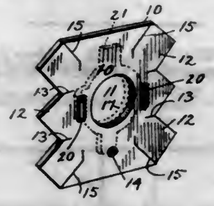
1. A rail joint including in combination with the rails, a joint bar of uniform section throughout, a flanged metal wear plate, and separate filler abrasion plates cooperative with the flanges of said wear plate.

1,634,743. SIGN HOLDER. MATT DYER, Whittenburg, Tex. Filed Feb. 1, 1927. Serial No. 165,184. 1 Claim. (Cl. 40—13.)



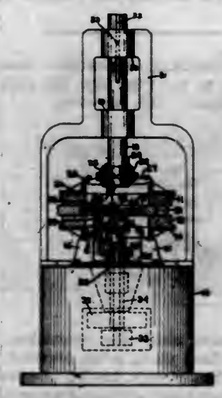
A sign holder comprising a rectangular base having a marginal flange projecting to one side thereof, a rectangular frame arranged upon the base within the flange, said frame being hinged to the base along one edge thereof, the opposite edge of the frame and the corresponding marginal flange of the base having coacting latching means, the outer face of the frame having a flexible transparent sheet secured thereto, the latching means including a latch element secured to the frame by securing elements extending through the transparent sheet.

1,634,744. NUT LOCK. ISAAC L. EDWARDS, Aurora, Ill. Filed May 14, 1923. Serial No. 638,966. 4 Claims. (Cl. 151—3.)



1. A nut lock formed of a substantially rectangular plate of bendable material, the plate having on opposite sides a straight line of straight sided angular projections, the sides of the projections converging outward and the two lines of projections being symmetrical and each line forming a zigzag contour, the other two sides of the plate being straight and incisions extending obliquely inward from each extremity of said straight edges.

1,634,745. LAPPING MACHINE AND METHOD OF TRUING THE LAPPING ELEMENTS. WARREN F. FRASER, Westboro, Mass. Filed Oct. 8, 1924. Serial No. 742,477. 6 Claims. (Cl. 51—278.)



1. The method of truing two opposed lap faces to bring them into parallel planes comprising the steps of relatively moving an abrasive element of wearable material having extensive plane surfaces between and in contact with said lap faces to abrade the same, reversing said element and repeating the abrading operation upon the laps with said element in its reversed position.

1,634,746. REVERSIBLE TOWEL RACK. GEORGE E. HARRIS, Swissvale, Pa. Filed Sept. 29, 1923. Serial No. 665,689. 4 Claims. (Cl. 45—32.)

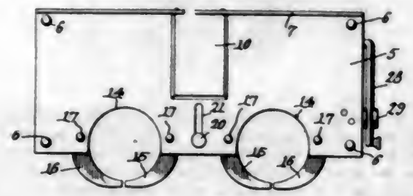
1. A reversible towel rack comprising an attaching base, flanges protruding from said base, lugs extending from said base and disposed above and below said flanges.

and a supporting member carrying a plurality of horizontally spaced article carrying arms including a pawl pivotally secured to the flanges of said base, the said pawl



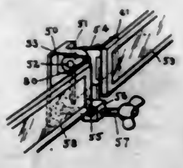
being adapted to engage either of said lugs to hold said supporting member in a substantially horizontal plane in either of the reversed positions of said base.

1,634,747. BOTTLE HOLDER. JESSE L. FRIESNER, Lima, Ohio. Filed Aug. 16, 1926. Serial No. 129,551. 3 Claims. (Cl. 232—41.)



1. The combination with a structure having a bottle receiving recess and opposed jaws pivotally mounted at opposite sides of the recess, each jaw having an outer arm and an inner arm, the corresponding arms of the jaws converging, of a bolt slidable into engagement with one of the jaws, a tumbler adapted to rest upon the bolt, said tumbler being movable by gravity into position back of the bolt when the bolt is brought to jaw engaging position, and means for shifting the tumbler to release the bolt.

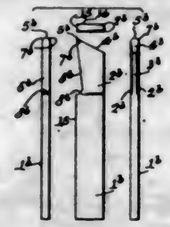
1,634,748. AUTOMOBILE MIRROR. ERIC ISCHINGER, East Rochester, N. Y. Filed Apr. 22, 1921. Serial No. 463,557. 5 Claims. (Cl. 45—97.)



1. In a compound hinge for automobile mirrors, the combination of a base plate, a lug provided on said base plate, a pair of hinges each having one leaf pivoted on said lug, a trunnion block supported by said hinges, a rotating screw stud mounted to turn in said base and threaded thru said trunnion block to connect the free end of said hinges to said base plate, said trunnion block being adapted to move toward and away from said base plate on the rotation of said screw stud.

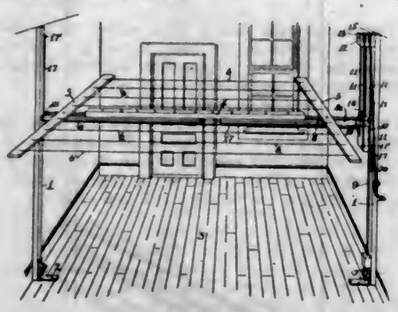
1,634,749. RIPPING HEAD. AKLAS J. JOHNSON, JOSEPH BOILEAU, and ELMER A. FINDELL, Missoula, Mont. Filed July 13, 1926. Serial No. 122,153. 1 Claim. (Cl. 144—241.)

In a device of the class described, a tool the opposite edge surfaces of which are parallel, the tool being provided in its sides with recesses defining a thinned bit, the end surface of the bit being disposed at an acute angle to form a point at the extremity of one of said edge surfaces of the bit, the corners of the point being bevelled laterally in opposite directions at said edge surface, the



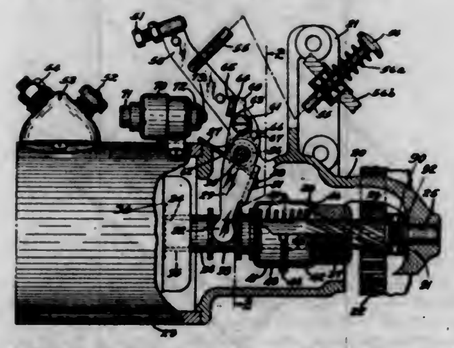
end surface of the bit being in the form of a hexagon, two sides of which, formed by the recesses, are materially longer than the remaining sides.

1,634,750. CLOTHES HANGER. DAVID D. JONES, Oakland, Calif. Filed Jan. 19, 1927. Serial No. 162,019. 2 Claims. (Cl. 68—34.)



1. A clothes hanger comprising a pair of posts; a supporting cross bar carried by and vertically adjustable between said posts; parallel spaced side bars rectangular in cross section fitted upon said cross bar; wires extending between said side bars and having their ends bent and pivotally fitted through the bars from one horizontal surface to the other and thence bent again in the same direction as the approach of said wires to the bars.

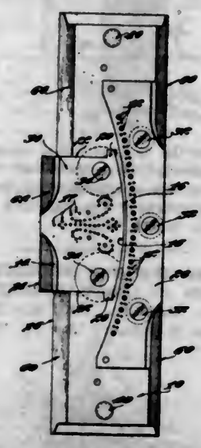
1,634,751. ENGINE-STARTING APPARATUS. FREDERICK C. KROEGER, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 6, 1924. Serial No. 711,393. 5 Claims. (Cl. 290—38.)



1. Engine starting apparatus comprising, in combination, an electric motor; means for connecting the motor with a gear of the engine to be started including a gear

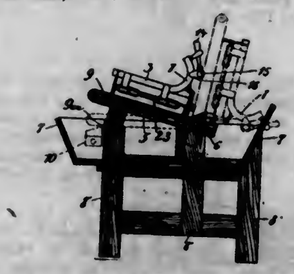
movable into mesh with said engine gear and including devices whereby the motor gear is automatically demeshed from the engine gear when the engine starts; a motor switch; a pedal-operated member for operating the motor switch; means for transmitting motion from said pedal member to the motor gear including disconnectible parts and including a spring which yields to permit the pedal member to close the switch in case the motor gear teeth abut the engine gear teeth; and electrical means responsive to self-operation of the engine for causing said parts to become disconnected, whereby the motor gear will be demeshed when the engine starts regardless of manipulation of the pedal member.

1,634,752. COMBINATION DIE FOR USE IN PERFORATING MACHINES. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1924. Serial No. 686,815. 10 Claims. (Cl. 164—93.)



1. A combination die comprising a body-portion provided with perforating tubes and an open lateral recess and a center-piece having perforating tubes and removably mounted within said recess, said center-piece being provided on its reverse face with lugs projecting over onto the reverse face of said body-portion for supporting said center-piece within said recess when said die is in a position with its reverse face uppermost.

1,634,753. MOLDING MACHINE. MARTIN MENZEL, Ruhland, Germany. Filed Jan. 28, 1926, Serial No. 84,351, and in Germany Jan. 24, 1925. 2 Claims. (Cl. 25—43.)



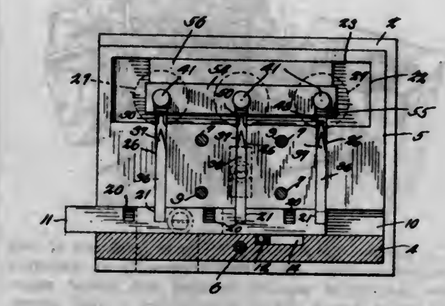
1. Molding machine for manufacturing partly curved concrete sections comprising a frame, a mold having a straight and a curved portion, and means for so adjusting said mold with regard to said frame that in one of its positions said straight portion is substantially vertical and said curved portion is below said straight portion and in another position said straight portion is substantially horizontal and said curved portion is above it.

1,634,754. GUN BARREL. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company. Filed Oct. 25, 1926, Serial No. 144,067, and in France Jan. 14, 1926. 9 Claims. (Cl. 89—16.)



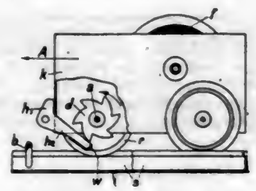
1. A gun comprising a rifled firing tube and a jacket, the rear end of said tube extending into said jacket and having the outer diameter of the rear portion thereof less than the inner diameter of the jacket, and screw-threaded means for removably securing said firing tube to said jacket, the threads of said means being formed in a direction opposite to the rifling of the tube and being provided adjacent the front end of the jacket whereby said firing tube is readily removable from the jacket which assists in withstanding the transverse stresses set up in the rear portion of said tube during firing of the gun.

1,634,755. LOCK. EDWARD G. PRYOR, Pueblo, Colo. Filed Sept. 20, 1926. Serial No. 136,564. 4 Claims. (Cl. 70—53.)



1. In a device of the class described, a frame, a locking bolt mounted for straight-line reciprocation on the frame, a bolt holder provided intermediate its ends with a recess, the bolt holder having straight-line movement on the frame, in a direction at right angles to the line of reciprocation of the bolt, into and out of engagement at one end, with the bolt, a tumbler journaled on the frame and cooperating with the other end of the bolt holder to maintain the bolt holder in engagement with the bolt, the tumbler having an opening receiving said other end of the bolt holder to permit the first-specified end of the bolt holder to be disengaged from the bolt when the bolt holder is moved in one direction, and a shifting member mounted to move on the frame, the shifting member being movable in the recess of the bolt holder to move the bolt holder in said direction.

1,634,756. TOY. EMIL SCHLIEDERER, Nuremberg, Germany, assignor to the Firm: Bingwerke, vorm. Gebr. Bing Aktiengesellschaft. Filed Nov. 22, 1926, Serial No. 150,060, and in Germany Dec. 7, 1925. 4 Claims. (Cl. 188—111.)

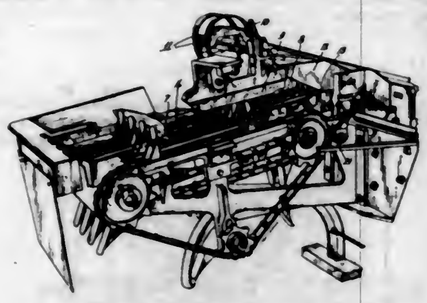


1. Toy comprising a track, a pair of wheels adapted to travel on said track, a ratchet wheel associated with said wheels, a pawl adapted to cooperate with said ratchet wheel in arresting said pair of wheels and means associated with said track for bringing said pawl in engagement with said ratchet wheel.

2,634,757. PROCESS OF TREATING TUSSAH SILK. WILHELM HELMUT SCHWEITZER, Heidelberg, Germany. Filed June 10, 1924. Serial No. 719,133. 4 Claims. (Cl. 8—2.)

1. The process of treating tussah silk fibres, artificial silk or other vegetable fibres, which consists in subjecting the fibres to chloride of lime in quantity substantially exceeding that in use for bleaching purposes.

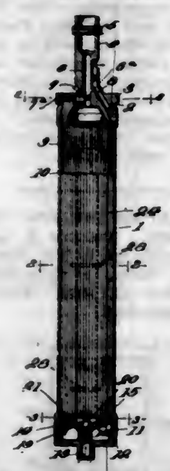
1,634,758. CORN-HUSKING MACHINE. MILLAR W. SELLS, Buffalo, N. Y., assignor to Peerless Husker Company, Buffalo, N. Y. Filed Nov. 3, 1925. Serial No. 66,661. 13 Claims. (Cl. 130—5.)



1. A machine for removing the husks from ears of corn in successive stages comprising a plurality of conveying means moving in parallel relation and spaced apart, fluted rotary means located between two of said conveying means and deriving rotary movements from contact with said conveying means, said rotary means adapted to engage each ear of corn in passing and move it laterally for alignment, gaging means against which said ears are moved into alignment, severing means located in the path of said aligned ears for removing a portion of the husks therefrom, other conveying means for receiving said ears and moving them in an axial direction with rotary means for effecting the final removal of the husks from said ears.

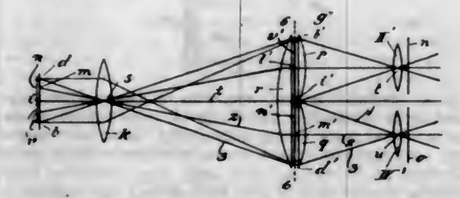
1,634,759. CENTRIFUGAL MILK SEPARATOR. PHILIP M. SHARPLES, West Chester, Pa., assignor to The Sharples Separator Company, West Chester, Pa., a Corporation of Pennsylvania. Filed July 30, 1924. Serial No. 729,136. 12 Claims. (Cl. 233—29.)

1. A centrifugal cream separator including a rotated bowl having a skimmed milk outlet and a cream outlet, a liner for said bowl comprising a plurality of relatively thin plates forming milk separating channels therebetween, and means for delivering the whole milk to the bowl in a restricted area toward the axis of rotation



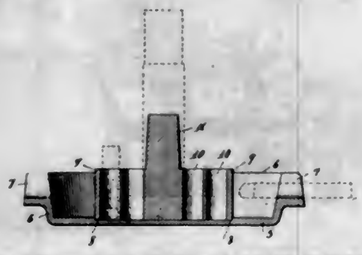
from and adjacent the skimmed milk zone, whereby the cream content separated from the whole milk may flow in a continuous direction approaching the central axis of the bowl, and whereby the skimmed milk may be separated from the whole milk.

1,634,760. APPARATUS FOR PROJECTING MULTI-COLOR IMAGES IN CINEMATOGRAPHY. WALTER THORNER, Berlin, Germany. Filed May 14, 1924, Serial No. 713,341, and in Germany May 24, 1923. 4 Claims. (Cl. 88—16.4.)



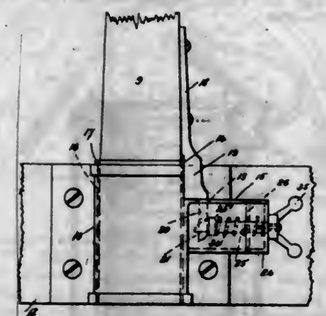
1. A system of the class described, comprising means for producing enlarged images of the successive film sections containing cooperating color records, and separate means one for each of the images of the color records for projecting said enlarged images of the color records.

1,634,761. ASH RECEIVER. JAMES Y. TICE, Bloomfield, N. J. Filed May 15, 1926. Serial No. 109,206. 1 Claim. (Cl. 131—51.)



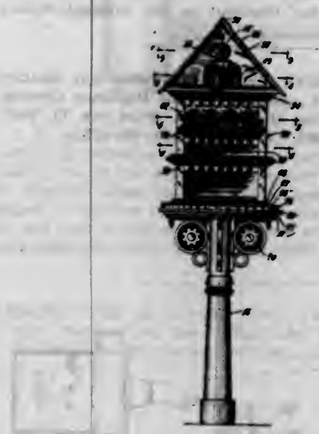
The ash-receiver described comprising a tray having a shallow recess in the upper face of its bottom, a vertically disposed cylindrical member fitted in said recess with an annular space therearound, said cylindrical member having a plurality of holes extended entirely therethrough, each adapted to receive a cigarette end.

1,634,762. STAKEHOLDER. CELSO TREVANI, Hopedale, Mass. Filed Sept. 2, 1926. Serial No. 133,164. 4 Claims. (Cl. 296—43.)



3. In a stake holder, a stake socket, a stake slidable in the socket, a locking arm having its upper part rigidly secured to the stake and provided with a lower end portion which projects below the top of the socket and has a locking lug at its bottom which is offset from the side of the socket, and a retractible spring-actuated locking bolt supported by the socket and engaging with the locking lug.

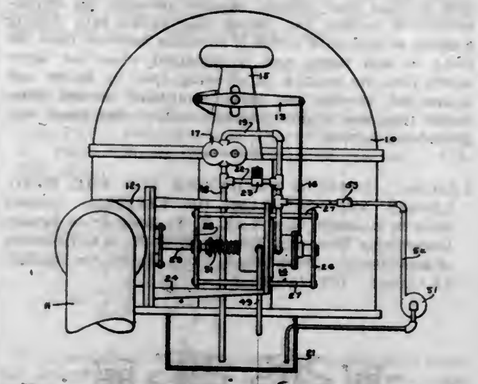
1,634,763. BIRD HOUSE. PETER TROSKI, Arista, W. Va. Filed Nov. 26, 1926. Serial No. 150,641. 1 Claim. (Cl. 119—23.)



A bird house comprising a pole, brackets on said pole, discs on said pole and brackets, a rectangular frame on said discs, a V-shaped roof on said frame, floors in said frame, compartments on said floors, said compartments being enterable through openings in said frame, and feed boxes in each of said compartments.

1,634,764. VALVE-OPERATING MECHANISM. JOSEPH BANCROFT WILSON, Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 23, 1925. Serial No. 77,417. 8 Claims. (Cl. 137—158.)

1. The combination with a prime mover having a valve to be operated, of means responsive to the speed of the prime mover, and a fluid pressure operated relay for transmitting movements of the means responsive to speed to the valve, comprising an operating cylinder, a reciprocable piston therein, a stem for the piston having ports



therein for the admission and exhaust of fluid under pressure thereto, a valve surrounding the stem and having fluid admission and exhaust ports cooperating with the ports of the piston stem, and operating means connecting the speed responsive means and the valve.

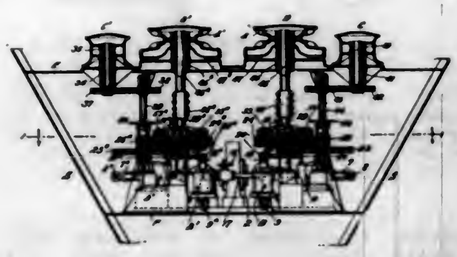
1,634,765. ADVERTISING AND AMUSEMENT APPARATUS. HIRSH W. YANKELEWITZ, Newark, N. J. Filed June 26, 1926. Serial No. 118,664. 16 Claims. (Cl. 40—30.)



1. Apparatus of the character described, comprising a support, a dummy figure mounted on said support and including two sections pivotally connected at one end and normally disposed in side-by-side relation, one of said sections having the end opposite said pivotal connection connected to said support and forming the arms and hands of said figure, the other section constituting the trunk or body and feet of the figure and said pivotal connection corresponding to the shoulders of the figure, so that the figure normally appears to stand in upright position on its feet, whereby pivotal movement of the second-mentioned section into endwise relation to the first-mentioned section causes the figure to appear to stand on its hands upon said support, a device to be

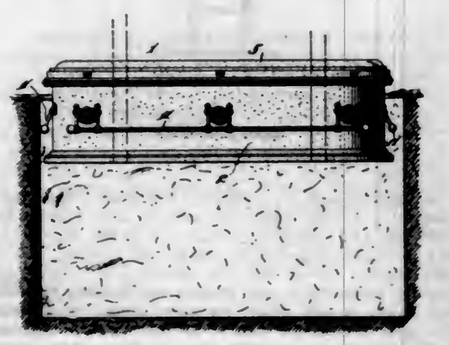
displayed mounted upon the second-mentioned section and movable into and out of display position on the side thereof corresponding to the back of the figure, and an operative connection between said device and the other of said sections whereby relative pivotal movement of said sections into endwise relation reverses the second-mentioned section and moves said device into display position so that said device is normally invisible from the front of said figure and is displayed when the figure moves into the position of standing upon its hands, and means for moving the second-mentioned section alternately from one of said positions to the other about said pivotal connection.

1,634,766. DRIVING MECHANISM FOR THE WINDLASSES AND CAPSTANS OF VESSELS. GEORGE EUGENE BARRETT, New York, N. Y., assignor to Lenher Engineering Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 8, 1927. Serial No. 166,623. 14 Claims. (Cl. 74—7.)



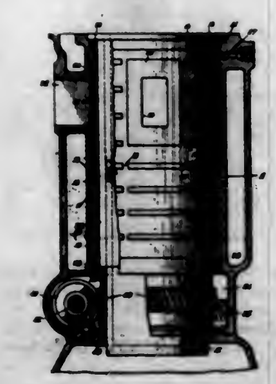
1. In a mechanism of the character described, the combination with driving means and driven means, of transmission mechanism connecting them, and consisting essentially of a pair of parallel shafts, a gear wheel loose on one shaft, means for locking it thereto, a pinion loose on the other shaft, means for locking it thereto, said pinion engaging said gear, and a train of gears on said shafts between the said pinion and the driving means, all arranged so that either or both shafts may be actuated.

1,634,767. BURIAL CASKET OR COFFIN. NICHOLAS N. BARRON, Newark, N. J. Filed Sept. 10, 1925. Serial No. 55,473. 3 Claims. (Cl. 27—3.)



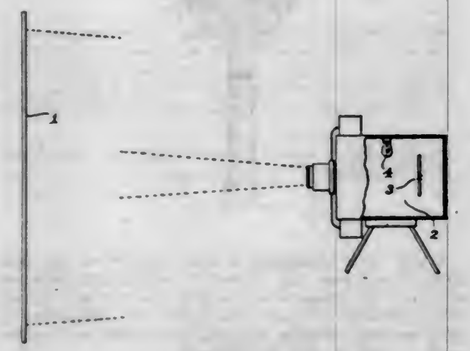
1. A coffin or casket comprising a body and a lid, each consisting of an outer shell of mineral substance and an inner shell of fibrous material arranged to provide a space between them, and a moisture-proof material filling said space, consisting of a mixture of tar, wax, asbestos and shellac.

1,634,768. ENGINE LUBRICATION. CLARENCE E. BONNER, New York, N. Y., assignor to Bonner-Charter Corporation, Dover, Del., a Corporation of Delaware. Filed May 15, 1925. Serial No. 30,417. 14 Claims. (Cl. 123—190.)



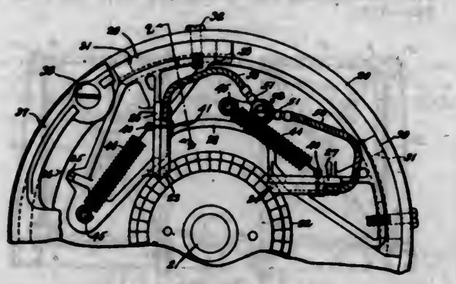
1. Machine construction comprising a fixed member, a liner fitted in said member, a movable member inside said liner, said liner being formed of porous material, and means for supplying lubricant to the external surface of said liner.

1,634,769. FRAMING DEVICE. AUSTIN DAY BRIXEY, New York, N. Y., assignor to The Replitura Corporation, a Corporation of New York. Filed Oct. 11, 1919. Serial No. 330,097. 3 Claims. (Cl. 88—17.)



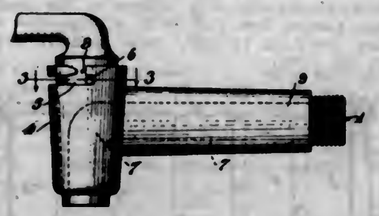
3. A moving picture projecting apparatus including a projecting light and an auxiliary framing light within said apparatus and of less intensity than said projecting light for illuminating the projector window so as to render the pictures on the film easily discernible for facilitating the framing operation.

1,634,770. DYNAMO. JOHN G. CAMPBELL, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 14, 1925. Serial No. 62,488. 4 Claims. (Cl. 171—323.)



4. A dynamo brush-rigging comprising, in combination, a brush for engaging the dynamo commutator, a rigid brush pad substantially coextensive with one side only of the brush and provided with an opening, and a single coiled spring connected with the brush through said opening and inclined from the pad toward the commutator.

1,634,771. FAUCET OR VALVE. ROY A. CARD, Washington, D. C. Filed Aug. 2, 1926. Serial No. 126,535. 3 Claims. (Cl. 251—95.)



1. In a rotary valve, a casing, a tapered plug therein having a projection thereon, said casing being provided with a slot in the wall thereof to receive said projection to normally retain the plug in the casing and limit the degree of rotation of the plug, said slot opening through an end wall of the casing to permit removal of the plug only when the valve is in partly open position.

1,634,772. PEN OR PENCIL CLIP. CLARENCE C. CHRISMAN, Martinsburg, Mo. Filed Aug. 10, 1926. Serial No. 128,348. 10 Claims. (Cl. 24—11.)



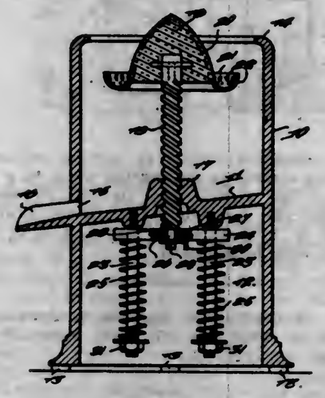
1. A pen or pencil clip comprising a substantially semi-circular body formed of metal having a certain degree of resiliency, the end portions of which body constitute inwardly curved ears that are adapted to receive a pen or pencil and a double spring, one part of which is formed integral with and depends from the intermediate portion of the semi-circular body and the other part of which extends upwardly in front of the depending portion of said double spring and the upper portion of which upwardly extending part terminates between the pen or pencil engaging ears.

1,634,773. PULLEY. WILLIAM A. COVENTRY, Lancaster, Pa., assignor to Grey Iron Casting Company, Mount Joy, Pa., a Corporation of Pennsylvania. Filed May 8, 1924. Serial No. 711,787. 2 Claims. (Cl. 254—197.)



1. A pulley device comprising a cast metal guide member provided with a body receiving recess and with openings adapted to act as rope guides; a one piece cast metal body member; and a stud integral with said body member and passing into said guide member, the stud having its end enlarged to secure the two members together and the base of said body member interfitting with said recesses to oppose rotation of the guide member about the stud.

1,634,774. FRUIT-JUICE EXTRACTOR. FRED ENSSLE, Roselle, N. J. Filed Aug. 10, 1925. Serial No. 49,329. 14 Claims. (Cl. 146—3.)

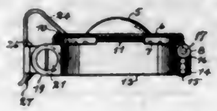


1. In a device of the class described, a receptacle having a bottom provided with a threaded opening surrounded by a guard flange upstanding from said bottom and also having a lateral discharge extending from said bottom, a threaded member operative through the threaded opening, and an extractor element attached to the threaded memoer.

1,634,775. CLOSURE CAP FOR GAS TANKS AND RADIATORS. LOUIS E. FOGEL, Brooklyn, N. Y. Filed Mar. 10, 1925. Serial No. 14,365. 2 Claims. (Cl. 220—24.)

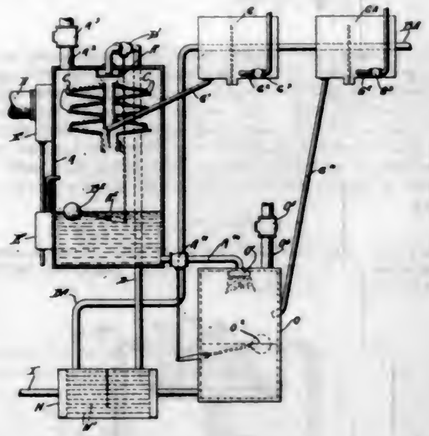
1. A closure cap for tanks and the like comprising a cap member having a hinging member projecting therefrom, a supporting member for said closure member, said supporting member being formed of two parts hinged together, a thimble in one said part and a screw extend-

ing through the other said part and into said thimble, for retaining said parts in adjustable relation and a latch for said cap, said latch comprising a plate having



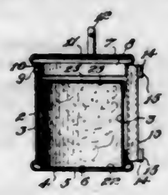
inwardly projecting portions rotatable upon said thimble and a hooked portion adapted to engage upon said cap when said cap is closed.

1,634,776. DEAERATING WATER. GEORGE H. GIBSON, Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 18, 1920. Serial No. 411,232. 12 Claims. (Cl. 183—2.5.)



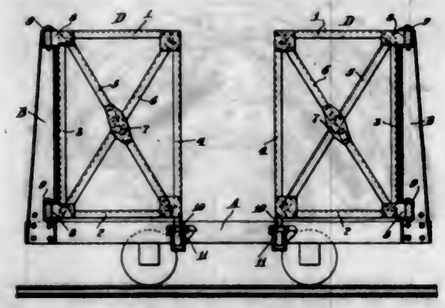
1. The continuous method of treating air-containing water which consists in heating the water to a temperature above 212° F. to liberate air from the water and then cooling the water to a temperature substantially below 212° F. by transferring heat from it to the air-containing water being heated.

1,634,777. RECEPTACLE. SAMUEL B. GIRDLER, Montclair, N. J. Filed Jan. 27, 1925. Serial No. 5,009. 9 Claims. (Cl. 206—16.)



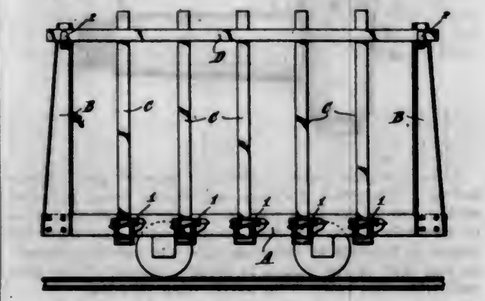
1. A used safety razor blade receiver comprising a permanent outer casing having a slotted cover, an inner removable and discardable receptacle of inferior material having closed ends, the upper end of said inner receptacle having a slot for alignment with the slotted cover of said outer casing, and means to prevent accidental displacement of said inner receptacle from operative assembled relation to said outer casing.

1,634,778. VEHICLE FOR THE TRANSPORTATION OF SUGAR CANE AND THE LIKE. LOUIS D. GREGG, Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1925. Serial No. 1,646. 5 Claims. (Cl. 105—378.)



1. A vehicle of the character described which comprises an underframe and two spaced walls and which on its discharge side is provided with a door hinged to a wall to swing about a vertical axis, said discharge side having no fixed connection between the walls above the underframe.

1,634,779. CANE CAR AND THE LIKE. LOUIS D. GREGG, Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1925. Serial No. 1,647. 5 Claims. (Cl. 105—378.)



1. In an open-top vehicle of the character described, the combination with an underframe and two spaced walls of a discharge side closure which comprises a bar and means for releasably securing the bar in horizontal position to the walls above the underframe, the said bar being movable when released to clear the side of the vehicle.

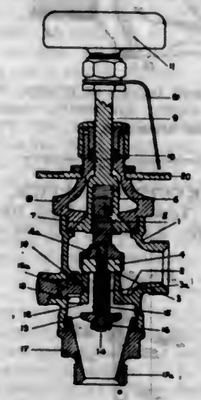
1,634,780. AIR-COOLED PNEUMATIC HAMMER. CHARLES H. HANSELER, Philadelphia, Pa. Filed Oct. 23, 1920. Serial No. 419,018. 5 Claims. (Cl. 121—31.)



1. In a pneumatic hammer, a cylinder having a piston chamber, a piston in said chamber, means to control motive fluid to effect the reciprocations of said piston,

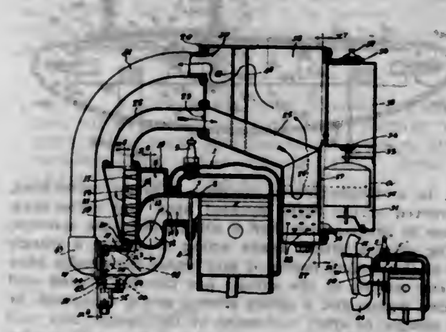
said cylinder being provided with a plurality of longitudinally extending exhaust grooves distributed around its circumference to form a series of heat radiating surfaces, and separate means surrounding the cylinder to cover the major portions of said grooves.

1,634,781. VALVE. J EVERETT HALL, Erie, Pa., assignor to American Sterilizer Company, Erie, Pa., a Corporation of Pennsylvania. Filed Jan. 10, 1925. Serial No. 1,564. 6 Claims. (Cl. 277—53.)



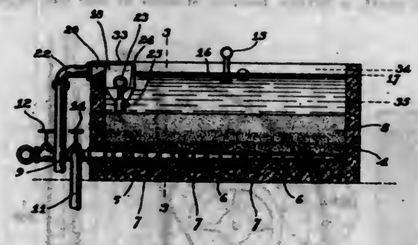
1. In a valve the combination of a valve body having a valve passage with oppositely faced seats; a main valve seating surface closing on one seat and closing the valve passage; an auxiliary valve head seating on the opposite seat as the main valve is opened and means permitting a limited flow around the auxiliary valve when seated.

1,634,782. CARBURETING APPARATUS. WALTER G. HEMENWAY, Los Angeles, Calif. Filed Mar. 24, 1920. Serial No. 368,355. Renewed Dec. 15, 1926. 6 Claims. (Cl. 123—25.)



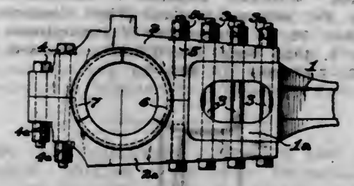
1. In a carbureting apparatus, operating at various degrees of engine suction, a mixing chamber, means to discharge fuel into the mixing chamber, a tank adapted to hold a liquid body, a tube in the tank having ports at different levels below the surface of the liquid to supply air to the tank in accordance with the degree of vacuum produced in the tank outside of the tube, a manifold having an exhaust chamber and having air passages adjacent the exhaust chamber, means connecting said air passages with the tube, and a tube connecting the tank above the liquid level with the mixing chamber.

1,634,783. WATER FILTER. CHURCHILL HUNGERFORD, Wenonah, N. J. Filed Nov. 12, 1921. Serial No. 514,535. 13 Claims. (Cl. 210—136.)



1. In a filter and in combination, a tank, a sand bed therein, means to feed wash water to the tank and the sand bed below the normal level of the latter, and walls forming a wash water passage leading from the interior of the tank and having a water inlet opening within the tank and above the normal sand level, said passage including a sand collecting chamber and a part connecting it to said opening and being of less area than the area of the chamber, whereby the velocity of the wash water will be reduced as it passes through the chamber.

1,634,784. LOCOMOTIVE MAIN ROD. JULIUS KINDERVATER, Richmond, Va. Filed Apr. 19, 1926. Serial No. 103,103. 2 Claims. (Cl. 287—93.)

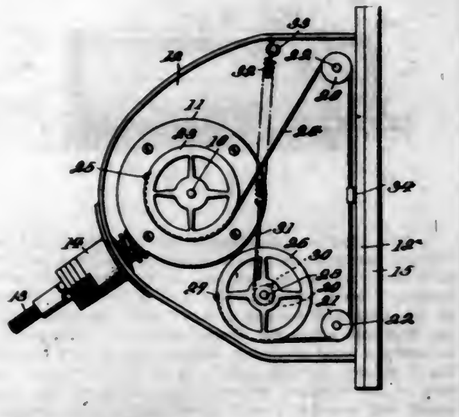


1. In a locomotive main connecting rod, the combination of a body; an enlarged head at one end thereof; a pair of straps, each having a recess intermediate its length, and a recess at its rear end, the intermediate recesses being of a form to provide a crank pin cavity, when the straps are assembled, and the rear recesses being of a form to provide a cavity for the head of the body, the straps having faces intermediate the crank pin and head cavities, adapted to abut when the straps are assembled, and faces forward of the crank pin cavity, adapted to abut when the straps are assembled; bolts passing vertically through the straps and head for securing the straps to the head; and a bolt passing vertically through the straps forward of the crank pin cavity.

1,634,785. MOVEMENT-CONVERTING DEVICE FOR METERS. LLOYD ALAN LAFLIN, Lake Forest, Ill., assignor to Elgin National Watch Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 11, 1926. Serial No. 147,792. 3 Claims. (Cl. 116—129.)

3. In a measuring and indicating instrument having a small horizontal dimension of its parts to permit contiguous mounting of a number of instruments on a board of restricted width, a meter with an oscillated indicating shaft, said meter being of larger diameter and lesser thickness than such dimension, a casing having a front wall with a straight slot therein, said wall being in a plane parallel to the axis of said shaft a rectilinear scale on said front wall adjacent said slot, an index movable along said slot to cooperate with said scale, and

means actuated by said shaft to move said index by equal linear distances for equal angular movements of said shaft, said actuated means including a drum secured to said shaft, a flexible member secured by one end to said



drum, and a take-up device connected to the other end of the flexible member to maintain the same under tension, the total width of said scale and slot being substantially that of the thickness of said meter.

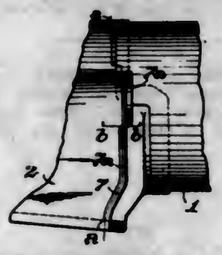
1,634,786. WHEEL. HERBERT V. LUDWICK, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 1, 1922, Serial No. 578,896. Renewed Mar. 8, 1927. 7 Claims. (Cl. 301—9.)



1. In a wheel the combination of a hub having a radial flange and a tapered driving shoulder of non-circular cross section at the base of said flange, a disc having a central opening therein and an integral annular rib surrounding said opening, said disc having a driving seat at the inner edge of said rib fitting said shoulder, and releasable means for maintaining the disc on the hub in contact with the flange and with said seat and shoulder in driving engagement.

1,634,787. STEAM BOILER. JOHN R. MAGARVEY, Schenectady, N. Y. Filed Aug. 27, 1926. Serial No. 131,875. 1 Claim. (Cl. 122—512.)

In a tubular steam boiler, the combination of a plurality of fire tubes; a front tube sheet, connected to the forward ends of said tubes; a rear tube sheet, connected to the rear ends of said tubes, and having a flange turned inwardly, that is, on the water side thereof, from its top to the commencing point of its connection to



the boiler shell, and turned in reverse direction for the remainder of its depth; and rivets, connecting said tube sheets to the boiler structure.

1,634,788. HAIR-CUTTING DEVICE. NORMAN MCGLASHAN, New York, N. Y. Filed Mar. 6, 1924. Serial No. 697,242. 5 Claims. (Cl. 30—12.)



1. A hair cutting device comprising a comb having a longitudinal slot at one end thereof, a cutting blade loosely mounted in said slot, and a spring actuated means engaging said blade for removably securing it against movement in the slot.

1,634,789. SHINGLE-PLANING MACHINE. CHARLES J. MELBY, Everett, Wash. Filed June 9, 1926. Serial No. 114,616. 3 Claims. (Cl. 144—127.)



1. In a shingle-planing machine, a rotary cutter-head, a grooved planer knife mounted upon said cutter-head, means to progressively feed a shingle upon the machine, spring pressed lifting means acting to elevate a shingle out of the cutting region of said planer knife until after an end portion of the shingle has traveled beyond said cutting region, and a spring pressed means engageable by the shingle to effect movement of the shingle into said cutting region for grooving the shingle from said portion to the other end of the shingle.

1,634,790. ART OF MOTHPROOFING. MICHAEL G. MINAEFF and ALBERT PARSONS SACHS, New York, N. Y., assignors, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,529. 18 Claims. (Cl. 167—6.)

1. A substantially neutral moth proofing composition containing a soluble silico fluoride.

1,634,791. MOTHPROOFING COMPOSITION. MICHAEL G. MINAEFF, New York, N. Y., assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,562. 17 Claims. (Cl. 167—6.)

17. A moth proofing composition embodying a chemical capable of rendering woolens immune from the attacks of moth larvæ and in solution therewith an acid in a quantity less than .1%.

1,634,792. MOTHPROOFING COMPOSITION. MICHAEL G. MINAEFF, New York, N. Y., assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed June 24, 1924. Serial No. 722,064. 6 Claims. (Cl. 167—6.)

1. A moth proofing composition containing sodium oleate, gelatine, and a soluble fluoride.

1,634,793. ART OF MOTHPROOFING. MICHAEL G. MINAEFF, Brooklyn, N. Y., assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 17, 1925. Serial No. 44,362. 8 Claims. (Cl. 167—6.)

1. A moth proofing composition containing a sulphonated derivative of a fatty acid capable of enhancing the wetting power of said composition.

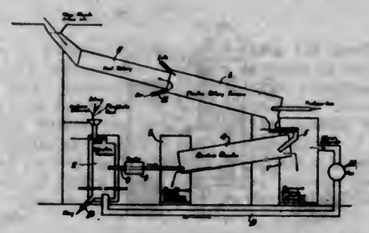
1,634,794. MOTHPROOFED ARTICLE. MICHAEL G. MINAEFF, Brooklyn, and ALBERT PARSONS SACHS, New York, N. Y., assignors, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 17, 1925. Serial No. 44,363. 8 Claims. (Cl. 167—6.)

1. As a new article of manufacture, animal fibers impregnated with a moth repellent composition resulting from a mixture of compounds of fluorine, silicon and aluminum.

1,634,795. PROCESS OF PRODUCING PHOSPHORUS NITRIDE AND CERTAIN READILY-VOLATILE HALIDES. CLAUDE G. MINER, Berkeley, Calif. Filed July 25, 1925. Serial No. 46,114. 8 Claims. (Cl. 23—191.)

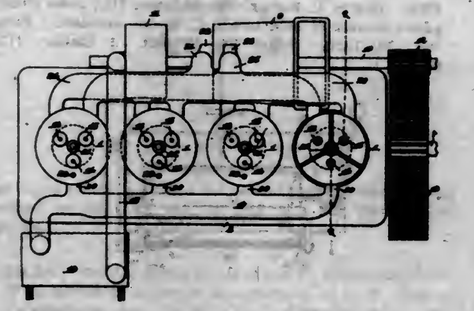
1. The process of producing phosphorus nitride and a halide which comprises causing a phosphorus halide to react with a nitride of a metallic element at a temperature between 183° C. and 560° C. to produce phosphorus nitride and a halide, and separating the halide from the phosphorus nitride.

1,634,796. PROCESS OF CONTINUOUSLY PRODUCING PHOSPHORUS NITRIDE AND CERTAIN HALIDES FROM RAW MATERIALS. CLAUDE G. MINER, Berkeley, Calif. Filed July 25, 1925. Serial No. 46,115. 8 Claims. (Cl. 23—191.)



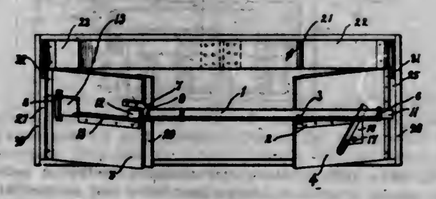
1. The process of producing phosphorus nitride which comprises forming volatile phosphorus chloride and contacting the volatile chloride as formed with a nitride of a metallic element at a temperature between 183° C. and 560° C.

1,634,797. POWER PLANT. EARLE R. NEWTON, New York, N. Y., assignor to Curtis Gas Engine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 18, 1920. Serial No. 359,569. 7 Claims. (Cl. 60—13.)



1. A compound power unit comprising a four cycle internal combustion engine of the type characterized by the cylinders of said engine being charged with precompressed air to a pressure substantially above normal atmospheric pressure, and a secondary expansion apparatus operating on the exhaust gas from said engine, means for so charging said cylinders, means for releasing exhaust gas from said cylinders at or near the end of the expansion strokes and at a pressure substantially above atmospheric pressure, means for driving out with precompressed air the gas remaining after the exhaust strokes at an approximately constant pressure substantially above atmospheric pressure, and means for utilizing the gas from said engine in said secondary apparatus by expansion to substantially atmospheric pressure.

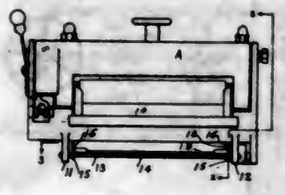
1,634,798. GRAIN-DUMPING END GATE FOR GRAIN WAGONS. WILLIAM A. ORENDORFF, Bloomington, Ill. Filed June 28, 1926. Serial No. 119,121. 2 Claims. (Cl. 296—50.)



1. In a grain dumping end gate of the character described having a frame member with upright hinge pins and a pair of closure members, a lock member comprising in cooperative combination, a sliding latch, a bracket supported on one of said closure members for the pivotal support of said latch nearer one end than the other, a bracket support for said latch on the other of said closure members; a limiting bracket for providing a predetermined open limit for said closure members; said latch member comprising an angle bar having an upright and a horizontal face, said horizontal face turned up at each end; a pivotally mounted lock member for said latch positioned at one end thereof and secured to said pivot mounting bracket, an engaging bracket member for slidably engaging the end of said latch member

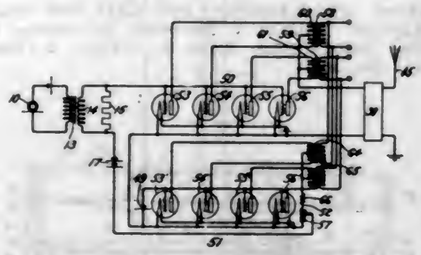
opposite said lock member; whereby said closure members may be securely held together to prevent loss of grain in wagons and when opened held into a predetermined open limit.

1,634,799. ADJUSTABLE DRAIN BOARD FOR WRINGERS. EDWIN C. ROCKE, Bloomington, Ill.; John Rocke administrator of said Edwin C. Rocke, deceased. Filed Oct. 30, 1922. Serial No. 598,039. 1 Claim. (Cl. 68—32.)



In a device of the class described, the combination with a wringer mechanism, of a drain board mounted therebelow in the frame portion of the wringer mechanism, a rod member supporting said drain board in a slidable manner, bearings for said rod, a positioning lug on one of the bearings adapted to engage apertures in the drain board, and spring means anchored on said rod member and adapted to urge the drain board toward the lug member in a tensioned manner.

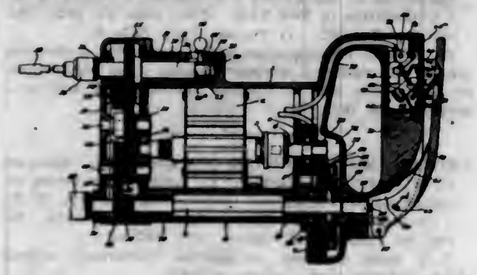
1,634,800. RECTIFYING AND MODULATING SYSTEM. JOHN C. SCHELLENG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 22, 1923. Serial No. 682,182. 5 Claims. (Cl. 179—171.)



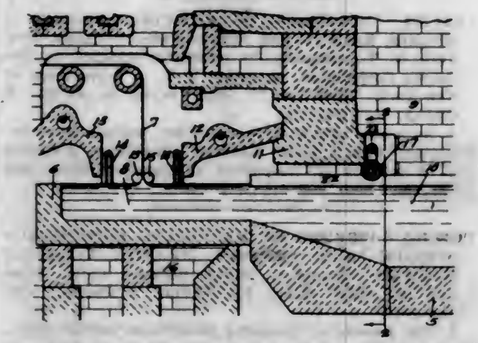
1. In a radiant energy transmission system, a source of signals, a space discharge modulator and an oscillator arranged to supply energy to an antenna, said oscillator and said modulator being controlled by said source of signals and being supplied with energy from a three-phase source of current, and said modulator and oscillator having means connected thereto for impressing ripple potentials upon the grids of said modulator to suppress ripple variations in the current flowing between said modulator and oscillator.

1,634,801. PORTABLE HAND TOOL. FRANKLIN SCHNEIDER, Cleveland, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Continuation of application filed May 9, 1923, Serial No. 637,795. This application filed Oct. 15, 1923. Serial No. 668,628. 3 Claims. (Cl. 192—0.02.)

1. In a motor hand tool, a motor, a tool spindle, driving connections between said motor and said tool spindle and including a clutch having interlocking parts, a controller for said motor, and hand operated means for operating said clutch and said controller, said means being so arranged as to couple the clutch prior to the actuation of the controller to start the motor.

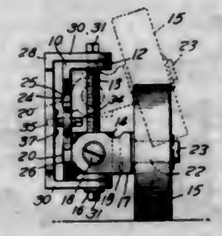


1,634,802. DRAWING SHEET GLASS. JAMES B. SMALL and FRANK J. KINCAID, Charleston, W. Va., assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 9, 1924. Serial No. 711,975. 4 Claims. (Cl. 49—17.)



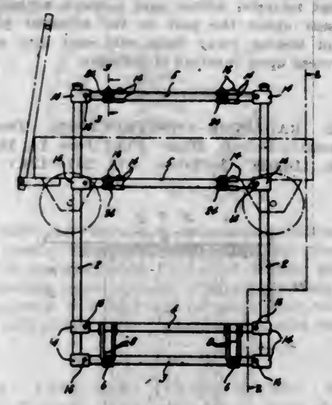
1. In the method of drawing sheet glass, wherein molten glass is continuously flowed from a tank furnace into a shallow receptacle, and drawn away therefrom in sheet form, the process of removing heat from the glass as it flows into the receptacle by placing a heat-absorbing body closely adjacent the surface of this glass.

1,634,803. PARKING DEVICE. CHARLES SPIRO, New York, N. Y. Filed Jan. 13, 1927. Serial No. 160,886. 20 Claims. (Cl. 280—44.)



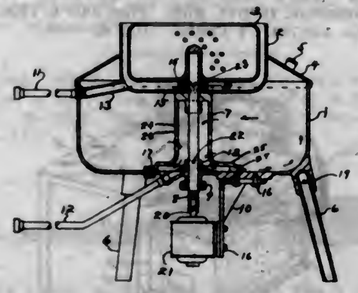
1. A parking device including a support, a rotatable screw retained thereon against axial movement, a traveling block held against rotation upon said screw, a journal extended from the block at an angle to the axis of the screw, and a traction wheel directly mounted upon said journal.

1,634,804. DISPLAY RACK. WILLIAM H. STANSFIELD, Auburn, N. Y. Filed Mar. 11, 1924. Serial No. 698,350. 4 Claims. (Cl. 211—20.)



1. A display rack structure comprising two bars of similar polygonal cross-section, a clamp mounted on one of the bars for clamping the same to the second bar, said clamp comprising opposed clamping members, each having lateral flanges for engaging the sides of the first bar, jaws carried by said clamping members for embracing the first bar, and a bolt extending through the clamping members and first bar for holding the clamping members to the first bar and for relatively actuating the clamping members to clamp and unclamp the bars.

1,634,805. WASHING MACHINE. CHARLES F. STAPLES, Detroit, Mich. Filed Apr. 21, 1924. Serial No. 707,914. 3 Claims. (Cl. 68—37.)



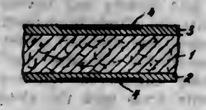
3. In a washing machine, a washing tub having an open top, a compartment having a surrounding wall provided with openings therethrough and extending upwardly from the bottom of the washing tub, a rinsing tub supported within the open top of the washing tub, a shaft extending through said compartment, a pump mounted on said shaft and located in said compartment a perforated basket within said rinsing tub and mounted on the upper end of said shaft, and means for rotating said shaft.

1,634,806. MILK-BOTTLE COVER. ANDREW STRAND, Minneapolis, Minn. Filed Aug. 24, 1925. Serial No. 51,958. 2 Claims. (Cl. 215—38.)

1. A closure for a milk bottle including, an arm depending from and supported by a cover member, a spring means formed integrally with said arm and projecting from the same to form a snap lock for holding the cover to the neck of a bottle and ticket holding means formed on the free end of said arm for the purpose specified.



1,634,807. WALL BOARD. HOWARD F. WEISS, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed Oct. 2, 1925. Serial No. 60,029. 5 Claims. (Cl. 154—45.9.)



1. A wall board faced with a liner having a cleavage plane, the layers of the liner being more readily separable in some portions of said cleavage plane than in other portions and being adapted to be separated in said readily separable portions to secure it to a support.

1,634,808. WALL CONSTRUCTION. HOWARD F. WEISS, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Original application filed Oct. 2, 1925, Serial No. 60,029. Divided and this application filed Apr. 28, 1926. Serial No. 105,162. 12 Claims. (Cl. 72—16.)



1. A wall comprising studding, lined boards nailed thereto with their edges adjacent one another, the lining on one side of said boards adjacent the edge being of decreased thickness to form a recess, and an inset of lining material arranged in said recess flush with the wall surface and covering the joints and nails.

1,634,809. WALL BOARD. HOWARD F. WEISS, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed Apr. 28, 1926. Serial No. 105,163. 12 Claims. (Cl. 154—45.9.)



1. A wall board consisting essentially of a core, liners arranged on each surface of said core, and a nailing strip arranged beneath and in contact with one of said liners,

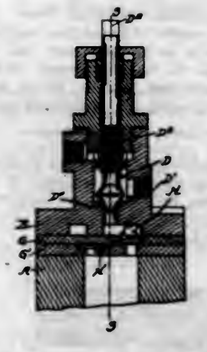
said nailing strip and said liner being separable whereby the nailing strip may be exposed and a nail driven through it and said wall board and then concealed by said liner.

1,634,810. RENEWABLE FUSE PLUG. HARRY J. WHEELER, Kansas City, Mo. Filed June 14, 1926. Serial No. 115,830. 1 Claim. (Cl. 200—129.)



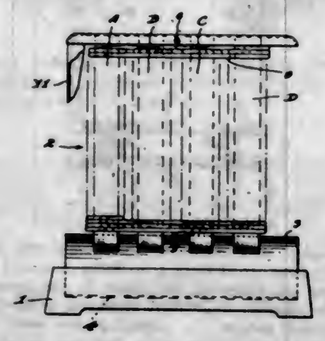
A renewable fuse plug, consisting of an insulator body having twin non-metallic sockets provided with inner annular shoulders and with diametrically opposite guiding slots opening at their upper ends in the shoulders and having portions of the slots cut back to form housings, the floors of said sockets having recessed gaps therein provided with vertical faces, terminals extending into the housings in said sockets and having angularly disposed yielding portions normally extending inwardly of the sockets, non-metallic individual socket engaging members having diametrically opposite ribs on their sides adapted to slidably engage the guiding slots in said sockets and slidably press back the yielding portions of said terminals into the housings in the sockets and cap portions adapted to close the upper ends of the sockets and the guiding slots therein, the lower ends of said socket engaging members having recessed gaps therein provided with vertical walls and located between the ribs thereon and fuse engaging grooves in the ends of the ribs communicating with said gaps in the members, said grooves being limited to receive single fuse elements and non-metallic washers mounted on said members to hold the fuse elements in place, and fusible elements loosely carried by said socket engaging members and having their end portions formed up on the outer sides of the ribs thereon and adapted to slidably contact the yielding portions of said terminals when the socket engaging members are pushed to place in the sockets.

1,634,811. PUMP. THOMAS C. WHITEHEAD, Detroit, Mich. Filed July 23, 1923. Serial No. 653,232. 6 Claims. (Cl. 230—34.)



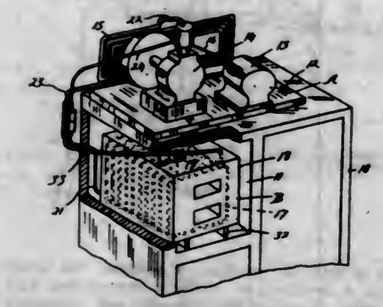
1. In a pump, the combination with a block having a plurality of cylinders therein, of a head, a pair of duplicate reversely arranged plates clamped between said head and blocks, each plate having a series of segmental recesses opposite each cylinder and on one side of the common central plane of said cylinders, and a series of ports registering with said cylinders on the opposite side of said common central plane, the ports of one plate also registering with the recesses of the other plate, and strips of resilient material within said recesses normally lying flat to seat about the port in the adjacent plate but capable of bowing away from said seat into said segmental recess upon reversal of pressure.

1,634,812. RADIATOR CONSTRUCTION. THOMAS C. WHITEHEAD, Detroit, Mich. Filed June 14, 1926. Serial No. 116,028. 5 Claims. (Cl. 257—124.)



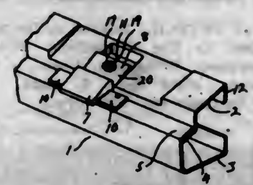
2. A radiator having a plurality of laterally spaced upright coils, the convolutions of each coil being tangentially connected to the convolutions of each adjacent coil, the uppermost convolution of one of the intermediate coils having a lateral extension forming an inlet passage and the lowermost convolution of one of the intermediate coils having a lateral extension forming an outlet passage.

1,634,813. REFRIGERATING APPARATUS. THOMAS C. WHITEHEAD, Detroit, Mich. Filed July 6, 1926. Serial No. 120,714. 4 Claims. (Cl. 62—116.)



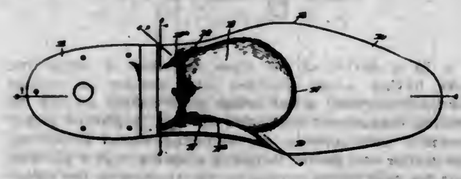
1. A refrigerating apparatus formed of two separate units one of which consists of a base and a motor, compressor and condenser mounted on said base, the other unit including an expansion coil, said second unit being mounted within a refrigerator box, conduits connected to said condenser and compressor, corresponding conduits connected to said expansion coil and a valved coupling element comprising heads connected to the ends of each set of conduits, said heads being provided with passages extending longitudinally thereof and connecting with the aforesaid conduits, valves carried by said heads for closing said passages and means for securing the said heads together.

1,634,814. ADJUSTABLE STRIKER PLATE. CLIFFORD J. WILLIAMS, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 15, 1924. Serial No. 756,141. 12 Claims. (Cl. 292—340.)



1. A device of the class described including a supporting member, a striker plate adjustable transversely thereof, a lug projecting from said striker plate, and means movable longitudinally of said supporting member and engageable with said lug for controlling the adjustment of said striker plate transversely of said supporting member.

1,634,815. LAST FOR MAKING SHOES. SETON J. ALLEN, Vineland, N. J., assignor to Mary Schonwald Allen, Vineland, N. J. Filed Dec. 16, 1926. Serial No. 155,318. 6 Claims. (Cl. 12—136.)



1. A shoe last, having a longitudinally extending, transversely curved and twisted depressed surface in the arch portion of its bottom face, extending from the heel portion to the ball of the toe portion, the forward and intermediate portions of said depressed arch portion surface being concavely curved and tapering toward the heel portion, the portion of said arch portion adjacent said heel portion being slightly convexly curved.

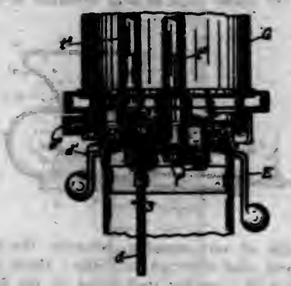
1,634,816. SHOE. SETON J. ALLEN, Vineland, N. J., assignor to Mary Schonwald Allen, Vineland, N. J. Filed Dec. 20, 1926. Serial No. 155,843. 2 Claims. (Cl. 36—71.)



1. In a shoe, an inner sole provided with a convexly elevated and twisted section arranged therein to fit the metatarsal and longitudinal arches of the foot, a yielding patch filler attached to the lower side of said inner sole, disposed in and substantially conforming to said convexly elevated twisted section, throughout substantially the entire area thereof, reinforcing said convexly elevated twisted section, and holding said section in formed shape, and a resilient shank, secured to said patch and inner sole, supporting said patch and inner sole in formed shape.

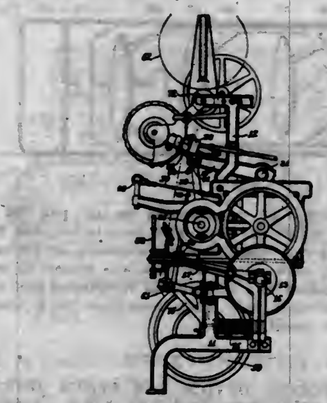
1,634,817. SAFETY MECHANISM FOR DISPENSING APPARATUS. LINNAEUS E. BAKER, Fort Wayne, Ind., assignor to Wayne Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Apr. 19, 1924. Serial No. 707,704. 6 Claims. (Cl. 221—100.)

1. In combination with a dispensing apparatus having a storage tank below, a dispensing container above, a fill pipe connecting said tank and said container, a foot valve for said fill pipe, a suction pump in said fill pipe line, means independent of said fill pipe line for draining



the contents of said container back to said tank; and a valved fluid by-pass between said means and the suction side of said pump.

1,634,818. LOOM. WILLIAM H. BAKER, Montreal, Quebec, Canada, assignor to F. Wilson Fairman, Montreal, Canada. Original application filed Dec. 17, 1921, Serial No. 523,140. Divided and this application filed Oct. 21, 1925. Serial No. 63,889. 5 Claims. (Cl. 139—115.)

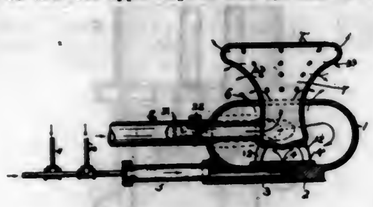


1. In a loom, the combination with a moving lay, protector-mechanism including shuttle-controlled engaging elements at both sides of the loom moving with the lay, and a warp-guide with which the warp engages on its way from the warp-beam, of individual control-members which are located opposite each other laterally of the loom without positive connection with each other, and actuated by means of said shuttle-controlled engaging elements and movement-resisting means combined with the individual control-members adapted to absorb yieldingly the momentum of the lay in the beating-up movement and thereby bring the lay to rest yieldingly before completion of such movement, with the individually movable control-members correlated with opposite ends of the warp-guide to produce warp-slackening movement of the warp-guide.

1,634,819. OIL BURNER. SOLOMON W. BATES, Portland, Me.; Frank E. Haines executor of said Solomon W. Bates, deceased. Filed July 31, 1924. Serial No. 729,228. 1 Claim. (Cl. 158—28.)

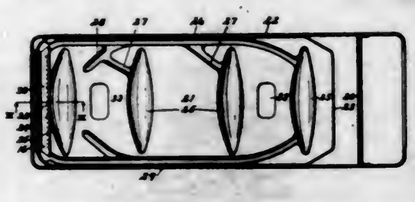
A burner comprising, in combination, a mixing chamber having separate inlets for fuel and for primary air sufficient to support combustion and having a flame discharge

opening at its top; and a hollow flame spreader mounted centrally on the bottom of said chamber having connection with an air supply and extending upward through said flame discharge opening with its walls diverging outward so that the upper edge of said spreader is laterally



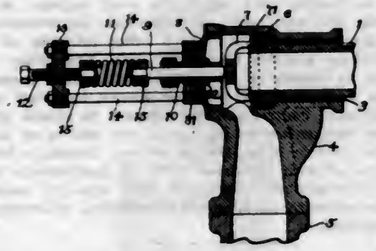
beyond the edge of said opening, whereby the flame is gradually spread and directed laterally; there being a closed top on said spreader and holes in its diverging walls above said flame opening for escape of heated air from the interior of said spreader into this diverging flame.

1,634,820. LUBRICATING SYSTEM. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 21, 1921. Serial No. 463,185. 15 Claims. (Cl. 184—13.)



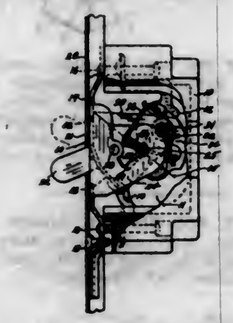
1. As an article of manufacture, an oil pan for a multi-cylinder engine provided with receptacles, one for each connecting rod, and also with a groove or channel extending along each side of the pan, the groove on one side being connected to a plurality of receptacles and the groove on the other side being connected to a lesser number of said receptacles.

1,634,821. PACKING DEVICE FOR STEAM JOINTS OF DRIER CYLINDERS AND THE LIKE. ARTHUR BIRCH, Arlington, Mass. Filed Oct. 9, 1924. Serial No. 742,600. 4 Claims. (Cl. 285—184.)



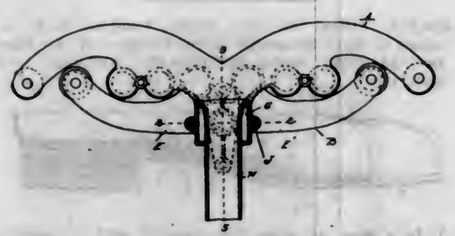
1. The combination with a rotary cylinder having a hollow journal, a chambered bearing within which said journal rotates, said parts providing for flow of fluid through said journal between the bearing-chamber and the interior of the cylinder, packing around said journal within which the latter rotates, and a compression-spider for said packing, of spring-pressure devices located visibly externally of the said bearing, operatively combined with said spider, and including a screw by which the tension of the spring is adjusted as required.

1,634,822. SNAP SWITCH. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 5, 1922. Serial No. 586,158. 12 Claims. (Cl. 200—67.)



1. In a device of the class described, a supporting yoke having wings provided with notches, a contact carrier comprising a flat bridge piece having an edge in rocking engagement with said notches, a pivoted rocker provided with recesses, an operating means connecting the carrier and rocker including a spring, and a pin support for said spring carried in the recesses in the rocker and held therein by said spring.

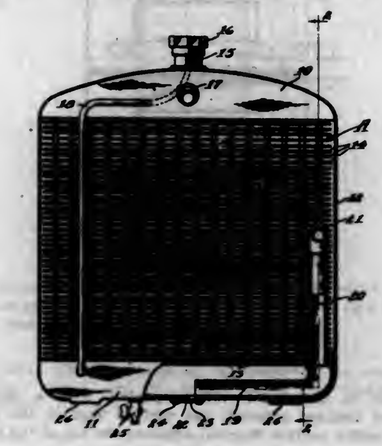
1,634,823. MANIFOLD FOR MULTICYLINDER INTERNAL-COMBUSTION ENGINES. ALANSON P. BRUSH, Detroit, Mich. Filed June 11, 1920. Serial No. 388,189. 5 Claims. (Cl. 123—122.)



1. In a multi-cylinder engine, the combination with an intake conduit having a plurality of symmetrically arranged branches, of a venturi in advance of said branches for symmetrizing the stream before sub-dividing the same, and a heated chamber communicating with said conduit in alignment with said venturi for receiving and trapping any portion of the liquid fuel thrown out of the stream by its inertia and for vaporizing and returning the same.

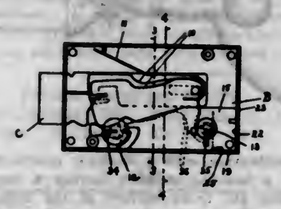
1,634,824. RADIATOR. SUMNER BOYD CHILSON, Minneapolis, Minn. Filed Oct. 22, 1924. Serial No. 745,112. 8 Claims. (Cl. 257—125.)

1. In a radiator, a core including ducts for the passage of water therethrough and fins associated with said ducts for cooling the same, a tank at the top of the core feeding into said ducts, a tank at the bottom of the core into which said ducts empty, an egress conduit embodied in the lower tank structure, said conduit opening midway between the ends of said tank at the bottom thereof and extending along said bottom to one end of the tank and within the same and thence upward to the



top of the tank, and a pipe rising through the core from said conduit to a point substantially medially of the top and bottom of said core, said pipe having a fitting turned rearwardly through the core and accessible at the back thereof, the fins of the core providing cooling elements for said pipe and fitting.

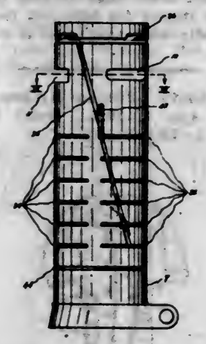
1,634,825. LOCK. CLAUS DIETRICH, St. Paul, Minn. Filed May 8, 1925. Serial No. 28,613. 9 Claims. (Cl. 70—69.)



1. A lock including a pair of key plugs, lever tumblers operable by keys adapted to fit into said plugs, one of said plugs forming means for receiving a pass bank key and the other of said plugs being operated by the key of an individual and safety plate means associated with said plugs in a manner to be operated in unison to release the key plug for the individual and a key for operating the same by releasing the safety means from said plug by the bank pass key.

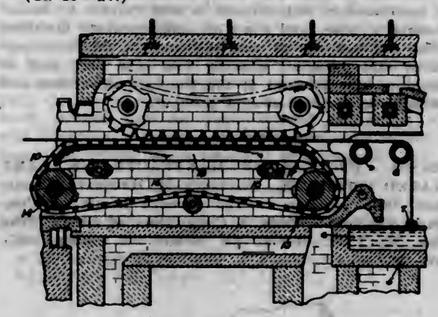
1,634,826. LUBRICATION OF SLEEVE-VALVE ENGINES. WALTER S. FIERCE, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 30, 1926. Serial No. 145,301. 17 Claims. (Cl. 123—75.)

1. In an internal combustion engine of the reciprocating sleeve valve type, means forming a passageway for lubricant upward from the engine crank case longitudinally of the sleeves, means forming a passageway for lubricant downward toward the crank case longitudinally of the sleeves, said upward and downward passageways



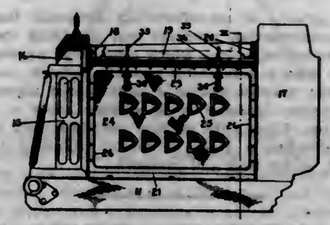
being isolated from each other throughout their length, and means whereby lubricant is caused to circulate within said passageways.

1,634,827. DRAW-TABLE RAIL. JOHN L. DRAKE, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 13, 1924. Serial No. 743,215. 2 Claims. (Cl. 49—17.)



1. In combination with a drawing and flattening table for sheet glass, comprising a pair of rotary cylindrical drums and a flexible link belt adapted to travel around the drums, of a plurality of rails arranged between the drums, each of said rails having a curved end formed on a radius identical with the radius of the said drums.

1,634,828. MOTOR VEHICLE. WILLIAM R. GORDON, Toledo, Ohio. Filed Oct. 25, 1920. Serial No. 419,406. 5 Claims. (Cl. 180—69.)



1. In a motor vehicle, a substantially vertical hood panel normally anchored along one edge, means for releasably securing the opposite edge thereof comprising a

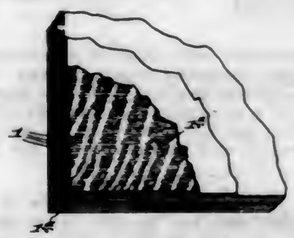
spring tending to exert pressure on said hood panel away from its anchored edge, a cam for putting said spring under tension and an inclined plate secured to the vehicle adjacent the lower edge of said panel and positioned outwardly thereof for deflecting the lower edge of said panel inwardly when said panel is lowered from its normal position.

1,634,829. GARMENT. PHILLIP HALPERIN, Los Angeles, Calif. Filed Aug. 1, 1925. Serial No. 47,510. 3 Claims. (Cl. 2—79.)



1. In a garment, in combination, a rear part, a channel stitched to said rear part, a removable part-elastic belt positioned in and stitched to said channel by means of coarse stitches, and a set of complementary fasteners on the end portions of said belt and on the front portion of said garment, whereby said rear part may be secured to said garment at the front or unfastened and lowered over the rear of said garment.

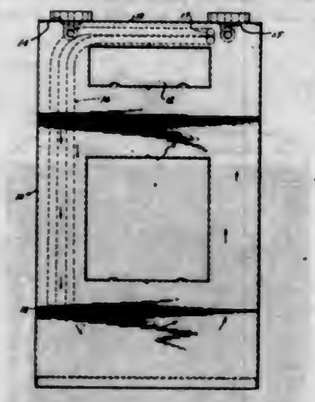
1,634,830. PROCESS OF MANUFACTURING LAMINATED PRODUCTS. CLARENCE M. HARGRAVE, Cincinnati, Ohio, assignor to The Formica Insulation Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 17, 1926. Serial No. 88,855. 5 Claims. (Cl. 41—26.)



1. The process of manufacturing composite laminated phenolic condensation products and providing the same with a decorative surface which comprises: impregnating the fabric with a potentially reactive phenolic condensation product varnish having a light-colored pigment embodied therein, applying to a surface sheet a desired design in ink, dipping the surface sheet in a clear varnish, and consolidating a stack of sheets, including the surface sheet, under heat and pressure.

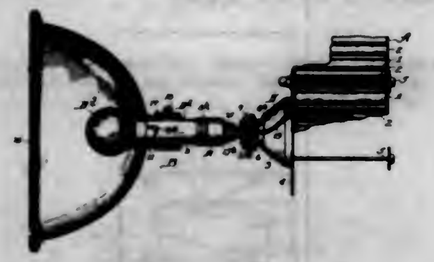
1,634,831. REFRIGERATING APPARATUS. FRED J. HEIDEMAN, Detroit, Mich. Filed Sept. 21, 1925. Serial No. 57,790. 5 Claims. (Cl. 62—95.)

1. In a refrigerating apparatus, a brine tank formed with a separate top wall, a walled opening formed in said tank and extending therethrough from side to side, and an expansion coil comprising a series of substantially L-shape loops insertable in said tank through the top



thereof to clear said walled opening, with a portion thereof disposed adjacent one vertical wall of the tank and another portion disposed adjacent the top of the tank.

1,634,832. ELECTRIC LAMP. WOLFGANG HERMANN, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1924. Serial No. 743,062. 2 Claims. (Cl. 240—8.11.)

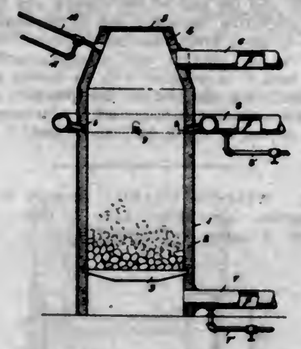


2. The combination with a radiator provided with air passages, of a bracket member having a base portion bearing against the front surface of the radiator, bolts extending through the air passages of the radiator and securing said bracket to the radiator, a nipple equipped with a tubular stem and ball, a socket member carried by said bracket and provided with a part-spherical inner surface, a nut threaded on said socket member and provided with a part-spherical surface, said ball being clamped between said socket member and nut and the tubular stem of said nipple extending through said nut, an electric connector comprising a metallic shell having screw connection with said nipple, a lamp bulb mounted in said connector, and a reflector mounted on and secured to said metallic shell.

1,634,833. ART OF OPERATING WATER-GAS GENERATORS. FRANK A. HOWARD, Westfield, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed Apr. 1, 1920. Serial No. 370,510. 4 Claims. (Cl. 48—200.)

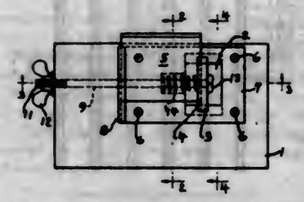
2. The improvement in the art of operating a water gas generator which consists in dividing the fuel in such

generator into two superimposed zones, air blasting the lower zone separately, independently controlling the temperature of the upper zone, producing water gas in



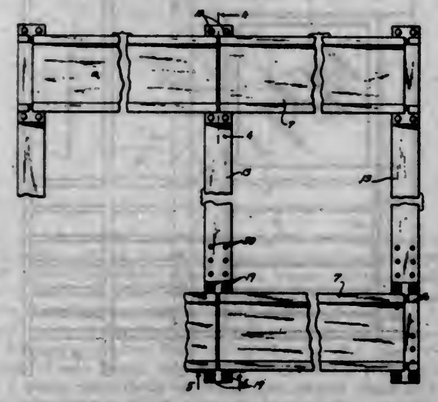
the lower zone, then introducing oil into the upper zone, and separately removing the vapors formed in said upper zone therefrom.

1,634,834. CLAMP. CARL G. E. JOHNSON, Los Angeles, Calif. Filed Jan. 25, 1926. Serial No. 83,498. 3 Claims. (Cl. 81—32.)



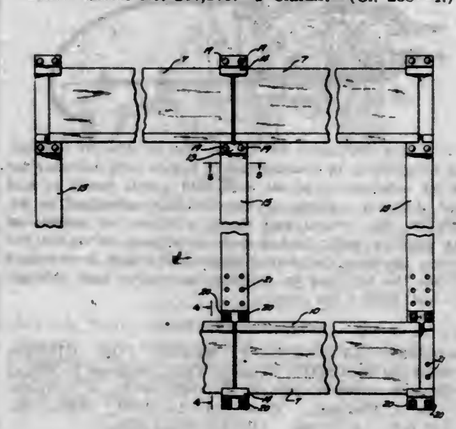
1. In a clamp for scraper blades, in combination, a base, a plate of substantial length and width positioned on said base, one end of said plate being upturned to form a stationary jaw, a movable jaw extending upwardly through said opening and positioned within said base and adapted for movement relative to said fixed jaw, and a resiliently mounted adjustable means associated with said base and said movable jaw whereby a scraper blade may be adjustably held between said jaw.

1,634,835. TRACK CONSTRUCTION. BENJAMIN H. LAMPERT, Oshkosh, Wis. Filed Jan. 17, 1927. Serial No. 161,633. 9 Claims. (Cl. 238—10.)



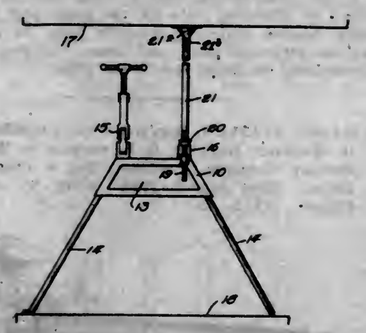
1. In a track construction, the combination of a plurality of angled track sections for wheel vehicles, angled connectors interlocking with adjacent ends of said track sections to prevent longitudinal displacement thereof, and means for preventing lateral displacement of said track sections.

1,634,836. SECTIONAL-TRACK CONSTRUCTION. BENJAMIN H. LAMPERT, Oshkosh, Wis. Filed Feb. 10, 1927. Serial No. 167,175. 5 Claims. (Cl. 238—4.)



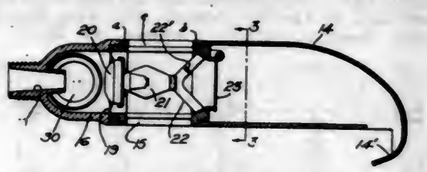
1. In a track construction, the combination of a plurality of track sections, each having a base portion and an inner side flange, means for connecting adjacent ends of said track sections together to prevent longitudinal displacement thereof comprising an angle lug engageable with the outer side of the base portions of adjoining track sections and an angle bracket engageable with said flanges of adjoining track sections, and means for preventing lateral displacement of said track sections.

1,634,837. VISE STAND. OTTAR S. LEE, Chicago, Ill., assignor to Nye Tool & Machine Works, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1927. Serial No. 159,601. 2 Claims. (Cl. 81—41.)



1. In combination, a vise-stand having a vise thereon for clamping a pipe to be operated on, and means cooperating with said stand and a fixed structure above it for resisting force applied to the stand and tending to tilt the latter, and comprising a bracket presenting an angular recess at its underside at which it fits over the edge portion of the top of the stand and engages the upper and side surfaces of said top, and stop means interposed between, and engaging said bracket and said fixed structure.

1,634,838. FIRE-PROTECTIVE DEVICE. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Oct. 4, 1924. Serial No. 741,753. 17 Claims. (Cl. 169—39.)



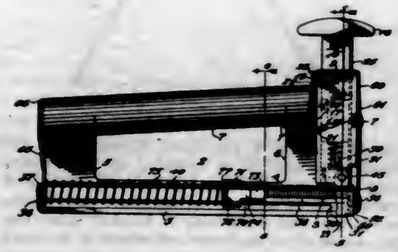
1. A fire protective device for the exterior of a building comprising, in combination, a nozzle with deflector for its jet, adapted to be set with said nozzle inside of and said deflector outside of the building, arranged to return the jet toward and spread it over the outside of the building wall; and a heat responsive valve for the nozzle, the heat responsive element of which is arranged within the building in position to receive heat through the wall from a fire outside.

1,634,839. ATTACHMENT MEANS FOR HINGES. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 13, 1924. Serial No. 743,441. 13 Claims. (Cl. 16—137.)



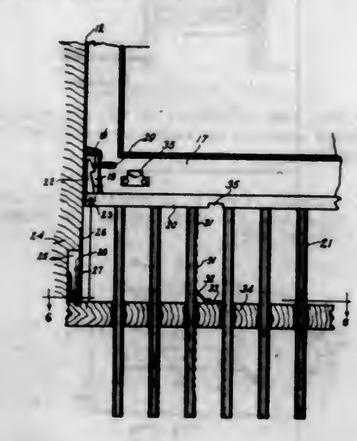
1. The combination with a hinge part, of a hollow pillar, an attaching plate for the hinge part within the pillar, tongues projecting inwardly from the pillar holding the attaching plate, and means engaging the plate for securing the hinge part to the pillar.

1,634,840. STAPLING MACHINE OR TACKER. ARTHUR H. MAYNARD, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me., a Corporation of Maine. Filed Aug. 7, 1925. Serial No. 48,771. 20 Claims. (Cl. 1—49.)



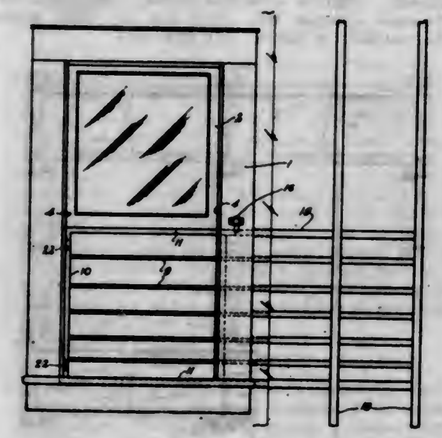
10. In a device of the type specified, the combination of a frame provided with a handle and a vertical housing spaced away from the end of the handle to provide an opening therebetween, a plunger slidable in said housing and formed with a slot on its side, a latch extending loosely through the opening between the end of the handle and the side of the housing and formed with a detent projecting through a slot in the housing to hold the latch in place while adapting its projection to engage the slot in the plunger, and a spring acting on the latch to hold it in position with its detent normally in engagement with the slot in the plunger, said spring adapted for compression to permit the latch to be readily attached to and detached from the frame.

1,634,841. WINDOW GUARD. ARTHUR T. MCWANE, Birmingham, Ala. Filed June 8, 1923. Serial No. 644,260. 8 Claims. (Cl. 20—71.)



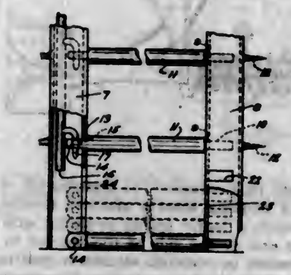
1. A sash guard having means operable to interlock it with a sash, and readily accessible means to provide for unlocking the guard from the sash which is operable only when the sash is in its closed position.

1,634,842. WINDOW GUARD. ARTHUR T. MCWANE, Birmingham, Ala. Filed June 8, 1923. Serial No. 644,261. 3 Claims. (Cl. 20—71.)



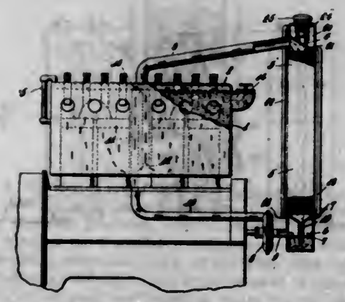
1. In combination with a sash frame having guides for its upper and lower slidable sashes, of a guard comprising a rigid frame with a vertical bar at one side and horizontal bars attached thereto at one end and left free at the other end, and tubular guides mounted to open through a sash guide at one side and adapted to receive said bars, there being a countersunk recess in the sash guide to seat said vertical bar flush with said sash guide.

1,634,843. WINDOW GUARD. ARTHUR T. MCWANE, Birmingham, Ala. Filed July 6, 1926. Serial No. 120,598. 2 Claims. (Cl. 20—71.)



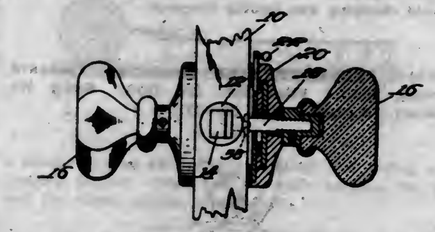
1. A window guard comprising a plurality of bars and mounting elements for said bars disposed in the plane of the parting strip between the window sashes, said elements comprising sockets to receive the ends of the bars, and a locking device housed in one of said elements and movable into position to lock or release all of said bars simultaneously, said bar mounting elements being provided at their bases with rack means to hold the dismounted guard bars.

1,634,844. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. WELLINGTON W. MUIR, Lockport, N. Y. Filed Feb. 15, 1922. Serial No. 536,824. 7 Claims. (Cl. 123—174.)



1. In an internal combustion engine, the combination of a jacket; filling means for providing said jacket with such a restricted vapor space that a vapor will be passed out of said jacket at low engine temperatures, a mixed vapor and liquid at higher engine temperatures, and a liquid alone at the highest engine temperatures; means to circulate a cooling fluid out of the top and into the bottom of said jacket, said means comprising a condenser and a pump respectively extending and located below said jacket; a second filling means for said jacket disposed above said restricted space; and valveless means located in said steam space adapted to prevent the liquid from leaving said jacket when the engine stops.

1,634,845. LOCK SPINDLE. FRANZ NETSCHERT, Glendale, Calif., assignor to Technical Glass Company, Inc., Los Angeles, Calif., a Corporation of California. Filed July 22, 1926. Serial No. 124,116. 4 Claims. (Cl. 292—359.)



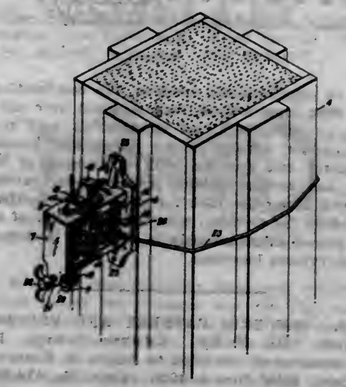
1. A lock spindle, including separable parts, and means for normally retaining said parts in position as a single operating unit, said means including a pin extending from one of the parts into the body of the other, and a helical spring surrounding said pin.

1,634,846. TOY AEROPLANE VEHICLE. IRA G. NICKS, Denver, Colo., assignor to The Joy Toy Manufacturing Company, Denver, Colo., a Corporation of Colorado. Filed Mar. 20, 1926. Serial No. 96,269. 1 Claim. (Cl. 155—22.)



A toy vehicle, wheeled supports, a seat secured to the supports, the seat having its sides cut out to receive the legs of the occupant, forward extending side walls on the seat, a table member secured on the side walls in advance of said cut outs and a transverse handle bar secured at the rear edge of and lying in approximately the plane of said table.

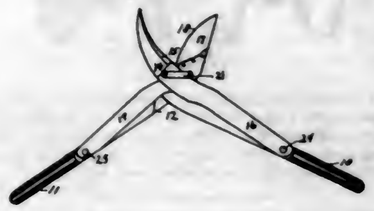
1,634,847. WIRE TIE CLAMP. DOMINIC D. PASQUALLE, Benning, D. C. Filed Mar. 22, 1926. Serial No. 96,643. 6 Claims. (Cl. 24—19.)



1. A wire tie clamp including an integral base and frame, three intermeshing clamping and feeding elements rotatably mounted in said frame, a loop element engaged

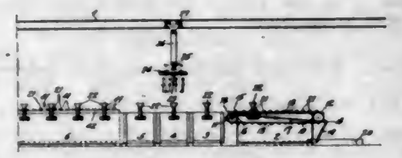
with said clamping and feeding elements whereby rotation of the latter will enlarge or reduce the loop, certain of said clamping and feeding elements being adjustable relative to the other clamping and feeding element, means for effecting such adjustment, and means for rotating the said clamping and feeding elements.

1,634,848. PRUNING SHEARS. NICHOLAS C. PERRAKIS, Fresno, Calif. Filed Dec. 20, 1926. Serial No. 156,031. 6 Claims. (Cl. 30—11.)



1. A pruning shears consisting of a concave holding blade and a convex cutting blade each of which is rigidly attached to a lever, said levers being connected together by a link pivotally attached to said lever intermediate of the ends and adjacent to the blades, said blades being assembled so that the cutting blade can pass the holding blade adjacent to a side face of the holding blade; and two handles pivoted together at one end, one of said links connecting the levers being pivoted to the handles at the common point where the handles are pivoted together, said levers being pivoted near the ends opposite to the blades, to the handles intermediate the ends of said handles.

1,634,849. ELECTROPLATING MACHINE. EVERTON B. POWELL, Newark, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed July 16, 1926. Serial No. 122,900. 7 Claims. (Cl. 204—5.)

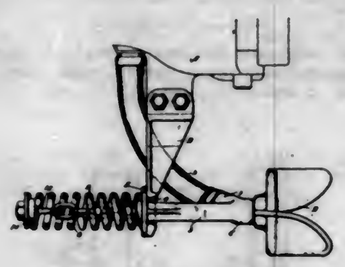


1. In an electroplating machine, the combination of a tank, a fixed longitudinal track mounted over the same, a truck on said track, an elevator on said truck, a cathode carrier adapted to be raised and lowered by said elevator and provided with a plurality of cathode hangers, and vertical guiding means on the carrier and at intervals along the tank for guiding the carrier as it is lowered by the elevator, whereby a plurality of articles may be placed simultaneously in the tank in definite positions in various locations.

1,634,850. ELECTRIC BATTERY AND PROCESS OF MAKING THE SAME. EMMETT POWERS, Denver, Colo., assignor of one-third to Austin R. Kracaw, Denver, Colo. Filed June 8, 1926. Serial No. 114,571. 13 Claims. (Cl. 136—158.)

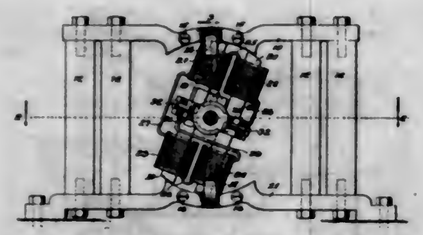
1. In a battery, an electrolyte comprising a mixture of silic and phosphoric acids.

1,634,851. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH ROBINSON, New York, N. Y. Filed Oct. 18, 1921, Serial No. 508,582. Renewed Dec. 13, 1926. 6 Claims. (Cl. 285—58.)



1. In a train pipe connecter, in combination, a supporting bracket, a coupling member mounted thereon for universal movement, a buffer spring co-acting with the coupling member and at one side of the bracket to normally hold said member in coupling alignment position on the bracket and permit yielding and other movements thereof, and tying means to connect the bracket and spring together, consisting of a flexible tie member engaging the spring at one end and passing through the bracket to the side opposite the spring, and a removable bearing element connecting said tie member to the bracket, located on the last mentioned side of the bracket, and forming a bearing for the tie member stationary relatively to the bracket, the coupling member comprising spaced sides between which the bearing element is accessible from lateral directions to facilitate application and removal thereof.

1,634,852. ELECTRIC MOTOR. HENRY K. SANDELL, Chicago, Ill. Filed Mar. 27, 1924. Serial No. 702,298. 3 Claims. (Cl. 172—36.)

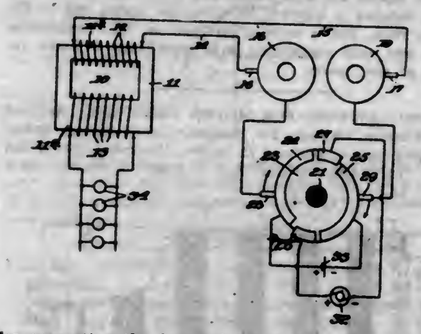


1. In an electric motor, an armature, field members located about said armature, said field members having opposed pole pieces, windings on said armature, relative high voltage means for supplying current to the armature windings as they pass the pole pieces, and means for continuing the armature current comprising a lower voltage supply.

1,634,853. TRANSFORMING SYSTEM. HENRY K. SANDELL, Chicago, Ill. Filed Mar. 27, 1924. Serial No. 702,299. 2 Claims. (Cl. 175—364.)

1. A transforming system comprising a magnetic core of O-shape, one side being of larger cross sectional area than the other, primary and secondary windings thereon, the primary being on the side of smaller cross section,

a source of high voltage direct current, means for intermittently passing said current through said primary winding in alternately reversed directions, and means



for connecting the free ends of the primary winding to permit a current to flow after the energizing current has been cut off.

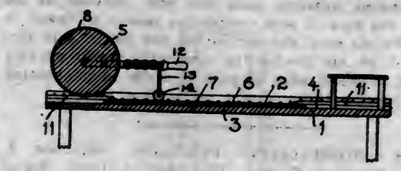
1,634,854. ELECTRIC ELEVATOR. THOMAS F. SCOLLARD, Warsaw, Ind. Filed July 2, 1924. Serial No. 723,782. 1 Claim. (Cl. 187—19.)



In a device of the character described, an elevator shaft having rack bars arranged at its corners, a vertically movable platform, shafts mounted under the platform, pinions on the shafts adjacent to the ends thereof and meshing with the teeth of the rack bars, pinions on the shafts intermediate the ends thereof, a shaft having worms at its ends and meshing with the last mentioned pinions, and means on the platform for imparting rotary motion to the last mentioned shaft to raise and lower the platform.

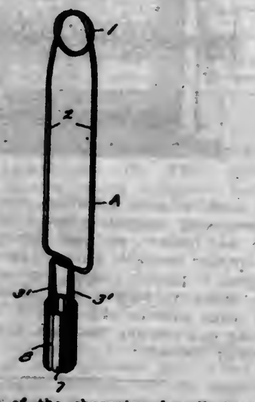
1,634,855. PRINTING APPARATUS. OSCAR SIVERTZEN, Trondhjem, Norway. Filed Jan. 19, 1924, Serial No. 687,386, and in Norway Feb. 3, 1923. Renewed Apr. 30, 1927. 1 Claim. (Cl. 101—212.)

In combination a table an elastic support thereon adapted to receive a plate of glass, a stepped rail at each longitudinal side of the table and having a raised portion extending above the surface of the glass plate, and having a roller supporting surface substantially flush with the surface of the glass plate, pegs arranged at spaced apart intervals in the rails at the glass plate surface level, a roller supported upon the rails and held between the rises of the raised portion thereof, depressions in the periphery of the roller corresponding to said pegs,



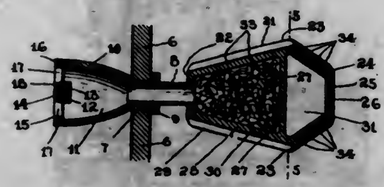
a handle pivoted axially of said roller and having a depending support resting on the rails between the pegs and the raised portion of the rails.

1,634,856. ARTICLE LIFTER. FRANK W. SKROCH, Jamestown, N. Dak. Filed Aug. 7, 1925. Serial No. 48,858. 1 Claim. (Cl. 294—99.)



An article holder of the character described comprising a handle constituting a spring at one end terminating in diverging arms, said arms being bent inwardly of their forward ends to set up overlapping right angled portions and having their forward terminals bent to extend forwardly in substantially parallel relation, said forwardly extending terminals being flattened, a pair of substantially semi-cylindrical members arranged in edge opposed relation, and means for securing the flattened terminals across the outer surface of said members.

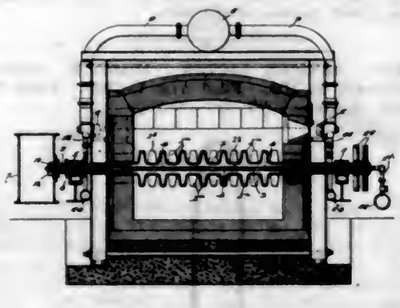
1,634,857. COMBUSTION APPARATUS. ROBERT J. SOVERSION, New York, N. Y. Filed Nov. 13, 1925. Serial No. 68,788. 2 Claims. (Cl. 110—175.)



1. A device of the character described, comprising a combustion means for furnaces and the like, including a member mounted in the fire door of such furnace, an air valve, a pipe mounted in said fire door arranged to connect said combustion means with said air valve, said combustion means being of hollow unitary structure in double frusto pyramidal form having their bases joined and a baffle extending across the hollow space at said juncture and having formed therewith and extending

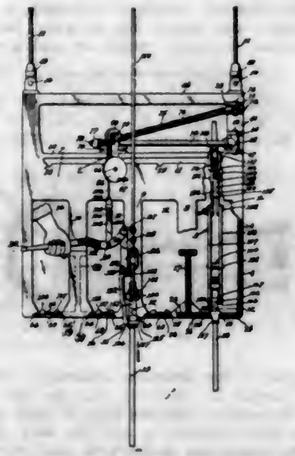
longitudinally thereof a plurality of super-heating fins, a plurality of apertures cut in the walls of said combustion means on one of said frusto pyramidal ends of said combustion means adjacent said fins and disposed at an angle to the axis of said combustion means arranged to project the air over and within the fire box of said furnace, and an air pre-heating conductive baffle packing composed of coiled wire adapted to assist in pre-heating the air passing through said combustion means.

1,634,858. NORMALIZING FURNACE. WILLIAM J. STOOP, Wheeling, W. Va. Filed Dec. 5, 1925. Serial No. 73,496. 8 Claims. (Cl. 263—6.)



1. In combination in a furnace, means for heating the same, means for supporting and moving metallic sheets through said furnace, said last named means comprising hollow circular rotatable discs, staggered in position and overlapping to provide closely disposed contacting points for the sheets to support and move the same in one normal plane substantially without sagging, means for supporting and rotating the discs, and means for cooling the interior thereof.

1,634,859. ROD RACK. ROBERT M. TIBBETTS, Long Beach, Calif., assignor, by direct and mesne assignments, of seventy-two and one-half per cent to Willard L. Burrough and twenty-seven and one-half per cent to David G. Lorraine, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,165. 18 Claims. (Cl. 255—1.)



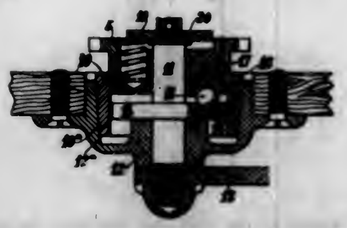
14. A rod rack construction comprising a storage rack, an engaging member having a squared recess open at one side, a supporting arm for said member extending upwardly therefrom so that said member is adapted to be shifted laterally for receiving the squared portion of the coupling of a sucker rod in said recess with the collar of said coupling resting upon the wall of the recess, suspension means for said supporting arm whereby the engaging member is adapted to carry the sucker rod to the storage rack, and a connection between said suspension means and said supporting arm permitting relative rotation of said parts.

1,634,860. AWNING FOR MOTOR VEHICLES. ARTHUR H. WATSON, Chicago, Ill., assignor, by direct and mesne assignments, to Richard C. Potter, Riverside, Ill. Filed Nov. 12, 1925. Serial No. 68,526. 1 Claim. (Cl. 156—15.)



The combination with a vehicle having window sashes, of fastener members secured to the sashes, an awning strip, end plates fixed to the outer ends of the strip forming end closures for the awnings, plate engaging members carried by the sashes for securing the plates to opposite side portions of the sash, and complementary fastener members carried by the awning strip for engaging with the first named fastener members.

1,634,861. OPERATING APPARATUS FOR VERTICALLY-SLIDING PANELS. CHARLES TORRES WEYMANN, Paris, France. Filed Oct. 1, 1923, Serial No. 666,045, and in France May 4, 1923. 4 Claims. (Cl. 192—8.)



1. In a window raising and lowering device, the combination of a frame, an axle supported by the frame, a crank for rotating said axle, a plate movable with said axle and having semi-spherical cups therein, a wheel mounted loosely on said axle and having an annular friction member, said wheel having semi-spherical cups corresponding to those of the plate, balls interposed between the plate and wheel and resting in said cups, a friction member fixed to the frame and engaging the wheel for preventing accidental rotation of the wheel, and springs for forcing the friction members together.

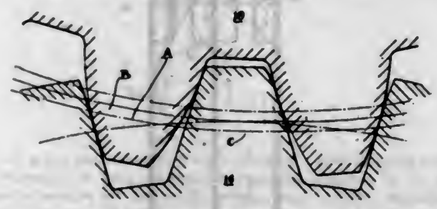
1,634,862. CORNER PIECE FOR BUILDINGS. SAM YODER, Blackwell, Okla. Filed June 8, 1925. Serial No. 35,625. 1 Claim. (Cl. 72—121.)

A device of the class described including a pair of wall end receiving members, each member comprising a pair of right angularly disposed legs, one leg being larger than the other of each member, the long leg of one member being substantially alined with the short leg of the other member, the short legs of the members being right angularly disposed to each other and the long legs of the members being right angularly disposed to each other, and



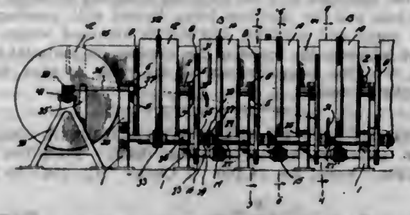
a member including a body portion having its ends bent over upon itself and integrally merging into the terminals of the short legs for connecting said first mentioned members together.

1,634,863. REDUCTION GEARING. ROBERT C. ALLEN, Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, a Corporation of Pennsylvania. Filed May 10, 1921. Serial No. 468,294. 5 Claims. (Cl. 51—278.)



1. A process of grinding gears which consists in loading a gear to be ground, driving the gear by a plurality of pinions acting successively and independently and having relatively different diameters, and supplying an abrasive to the contacting portions, the distance between the centers of the gear and the several driving pinions being constant.

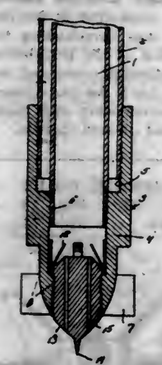
1,634,864. SPRING MOTOR. ASA M. BABCOCK, Lorain, Ohio. Filed June 4, 1926. Serial No. 113,731. 4 Claims. (Cl. 185—40.)



1. A spring motor, comprising a support, a plurality of shafts mounted in said support for independent rotation in one direction only, a plurality of driving drums mounted on said shafts for independent rotation, a driven shaft rotatable in said support and having driving connection with said driving drums, and means operable to independently rotate the first mentioned shafts to wind the springs in said drums in a predetermined manner.

1,634,865. CORE DRILL. WALTER C. BARNES, Taft, Calif. Filed June 23, 1926. Serial No. 118,026. 1 Claim. (Cl. 255—72.)

In a core drill, an inner barrel, a casing surrounding the same, a core bit secured on the lower end thereof, said bit being provided with the usual laterally extending blade and core attacher spring, a removable solid plug threaded in the bit to provide a closure for the lower end of the inner barrel, the upper end of the plug being beveled, the lower end of the plug extending beyond the bottom of the bit and being shaped to a continuation of the lower exterior portion of the bit, a ground engaging element formed on the lower end of the plug for prevent-



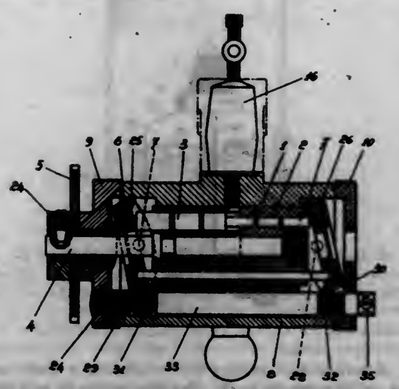
ing the rotation thereof in order to facilitate the removal of the core bit from the plug, said plug being provided with longitudinally extending passages to permit a fluid to enter the inner barrel.

1,634,866. INTERNAL-COMBUSTION ENGINE WITH CYLINDERS ARRANGED IN TWO OPPOSITE LINES. JEAN JOSEPH MARIE BERTRAND and LOUIS JOSEPH HENRI SOLANET, Paris, France. Filed Apr. 20, 1922, Serial No. 555,734, and in France May 13, 1921. 5 Claims. (Cl. 123—56.)



2. An internal combustion engine comprising a plurality of groups of four cylinders and having the $4p$ cylinders of the engine arranged in two opposite lines with their axes parallel, in which the cranks of each group of four cylinders lie in a single plane and the p crank shafts of the various groups of four cylinders are identical, placed end to end and displaced equally relatively to one another.

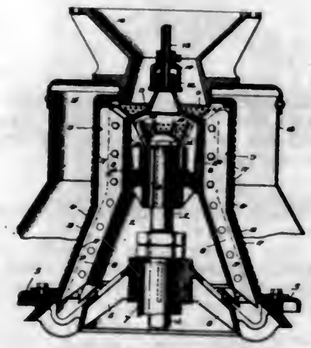
1,634,867. PUMP. ROMUALDO BORLETTI, Milan, Italy. Filed Aug. 20, 1924, Serial No. 733,202, and in Italy Jan. 30, 1924. 2 Claims. (Cl. 103—38.)



1. A pump of the character described including a casing, a rotor rotatably mounted therein and provided with cylinders, pistons arranged in the cylinders and

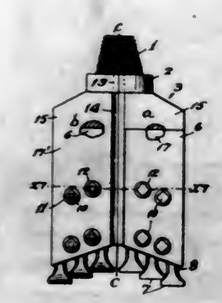
projecting beyond the edge of the rotor, apertured rings arranged at an inclination of the respective ends of the casing and contacting with the projecting ends of the pistons, a bar also slidably mounted through the rotor and of a length longer than the combined length of the pistons and loosely connected at its ends with the apertures in the rings, caps surrounding the rings and each provided on a portion of the peripheries with teeth, and a screwed spindle adjustably engaged with the casing and also provided with teeth for engagement with the teeth on the caps to simultaneously shift both of the rings and caps upon adjustment of said spindle.

1,634,868. CENTRIFUGAL DRIER. GUY H. ELMORE, Swarthmore, Pa. Filed Feb. 18, 1922. Serial No. 537,627. 6 Claims. (Cl. 210—76.)



1. A screen shell or basket for centrifugal driers, consisting of a circular casting provided with a plurality of rows or tiers of pockets or recesses in its inner surface spaced apart end to end, and a series of circumferential grooves in its outer surface of a depth to open into said pockets, the pockets and grooves being arranged in planes perpendicular to the axis of rotation of the shell or basket; whereby there is formed a perfectly balanced integral shell.

1,634,869. ROTARY WELL-DRILLING BIT. GEORGE GARTLING, Los Angeles, Calif. Filed Mar. 28, 1922. Serial No. 547,410. 7 Claims. (Cl. 255—61.)

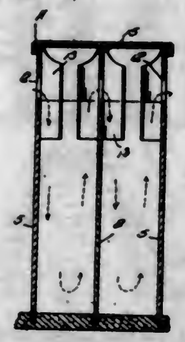


1. A rotary well drilling bit comprising a body having gains on its forward faces; clamping pieces in said gains; cutters having shanks between the clamping pieces and floor of the gains; and means to secure the cutter shanks between the clamping pieces and the floor of the gains.

1,634,870. PROCESS FOR THE PRODUCTION OF AMMONIUM CHLORIDE AND ALKALI-METAL SULPHATE. OTTO GRANGROSS, Grunewald, near Berlin, Germany, assignor to the Firm Continentale Aktiengesellschaft für Chemie, Berlin, Germany. Filed May 22, 1925, Serial No. 32,215, and in Germany June 11, 1924. 6 Claims. (Cl. 23—100.)

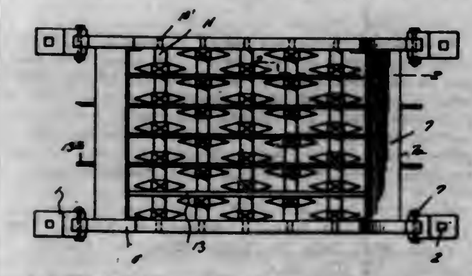
1. A dry process for the production of ammonium chloride and alkali metal sulphate consisting in heating a mechanical mixture of ammonium sulphate and alkali-metal chloride in the presence of gases, said gases being generated during said heating of said mixtures by adding an alkali-metal compound thereto which when heated will split off such gases.

1,634,871. SEPTIC TANK. ANDREW LEE HEPLER, Mathews, Va. Filed Sept. 1, 1926. Serial No. 133,004. 3 Claims. (Cl. 210—6.)



1. In a septic tank of the class described, a pair of complementary half sections, laterally extending flanges formed on the vertical side edges of the sections, a vertical partition wall arranged between the sections, the edges of the partition being disposed between the inner opposed faces of the laterally extending flanges, securing means extending through the lateral flanges and the edges of the vertical partition wall, vertical tubes arranged over the lateral flanges of the sections and the edge portions of the partition wall for receiving a sealing material, said sections and the partition being formed with openings in the upper end portions, and shields arranged within the tank adjacent the openings for causing the material flowing into the compartments of the tank to pass downwardly therein.

1,634,872. CATTLE GUARD FOR RAILWAYS. JOSEPH F. HOLLENBACK, Canyon Creek, Mont. Filed Dec. 29, 1925. Serial No. 78,180. 1 Claim. (Cl. 256—16.)



A cattle guard comprising anchor members adapted to be affixed on sleepers or ties, a pair of side bars engaged with the anchor members, said side bars having beveled ends, transverse end members interposed between and fixed to the side bars and having inclined portions, longitudinal spaced plates disposed between the side bars and

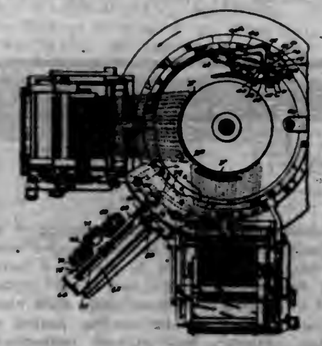
interposed between and fixed to the end members, some of said plates being depended below the side bars and other plates to rest on sleepers and ties and constitute auxiliary supports, and means calculated to discourage cattle from traversing the guard disposed between the sides and the longitudinal plates.

1,634,873. SCALP-PATTING DEVICE. THOMAS F. HOMAN, Cincinnati, Ohio. Filed Dec. 2, 1924. Serial No. 753,460. 1 Claim. (Cl. 128—64.)



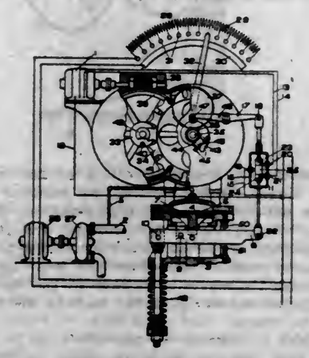
A scalp patting device consisting of a sheath of flexible, yielding and fluid impervious material adapted to fit the scalp portion of the head snugly, said sheath consisting of an outer and inner covering and separated by a series of stud walls integrally formed upon the outside surface of the inner covering, spacing apart and forming circuitous passages throughout the sheath, arched flexible diaphragms integral with the outside surface of the inner covering and arising upwardly from the bases of the stud walls to the underside of the outside covering, said arched flexible diaphragms being normally away from the scalp and adapted to be forced downwardly and in contact with the scalp to produce a patting action and back again when the passages are subjected to fluid pressure and pulsating action, an inlet and outlet for the introduction and expulsion of fluids communicating with the passages at the opposite extremes of the sheath.

1,634,874. KNITTING MACHINE. KENNETH HOWIE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Original application filed Aug. 6, 1924, Serial No. 730,462. Divided and this application filed Mar. 18, 1926. Serial No. 95,611. 4 Claims. (Cl. 66—140.)



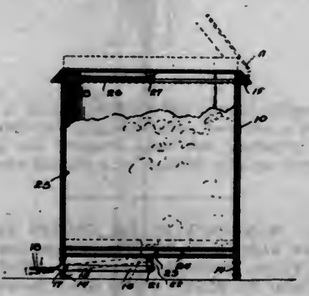
1. In combination in a circular knitting machine, a pair of yarn fingers mounted to move radially of the machine, a cam on the fixed base with pattern means for moving said cam into the path of movement of either one finger or the other, a detent for each finger for holding it in yarn feeding position, cam means for operating the detents to release the fingers, and means for returning the fingers to non-feeding position when released by said detent, substantially as described.

1,634,875. REGULATOR. JAMES LEWIS KIMBALL, Salem, Mass. Filed June 1, 1925. Serial No. 34,039. 12 Claims. (Cl. 103—25.)



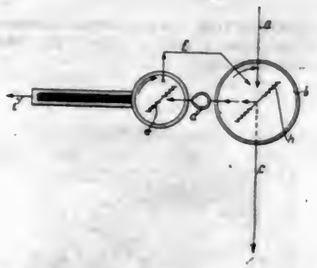
1. In a regulator, a controlling device, a motor and means connecting the motor with the controlling device to effect the operation of the controlling device at predetermined points in the operation of the motor, said motor having an effective period of operation in which it operates the controlling device, and a non-effective period of operation, in which the motor is disengaged from the controlling device, means to effect the starting and stopping of motor during the non-effective period of operation of the controlling device.

1,634,876. RECEPTACLE. LEWIS A. MARCUS, New York, N. Y. Filed May 5, 1925. Serial No. 28,151. 2 Claims. (Cl. 220—36.)



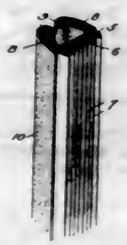
1. In an apparatus of the character described, in combination, inner and outer receptacles, one of which is movable relatively to the other, a single closure for said receptacles, means for raising the inner receptacle whereby it cooperates with the under surface of the closure to automatically raise the same, said means comprising a foot lever, a member carried by one end of said lever engaging the under side of the inner receptacle, and a reinforcing member extending across the under side of the outer receptacle for supporting the inner receptacle, and thru which said first named member is disposed.

1,634,877. MANUFACTURE OF WHITING. PHILIP M. MCHUGH, Pelham Manor, N. Y., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 13, 1924, Serial No. 698,843, and in Germany Mar. 14, 1923. 8 Claims. (Cl. 209—2.)



1. A method for the classification of fine solids suspended in liquid which comprises the removal of a portion of the undersize hydraulically; removing the remaining solids which comprise the oversize and the residue of the undersize, subjecting such remainder to a classifying step for separating said residue from the oversize, and returning the separated residue to the hydraulic removal step independently of the feed to the classifying step.

1,634,878. RUNWAY FOR WINDOWS. CARLOS J. MCKINNEY, Detroit, Mich., assignor to The Republic Rubber Company, Youngstown, Ohio, a Corporation of Ohio. Filed Aug. 13, 1926. Serial No. 128,992. 3 Claims. (Cl. 296—44.5.)



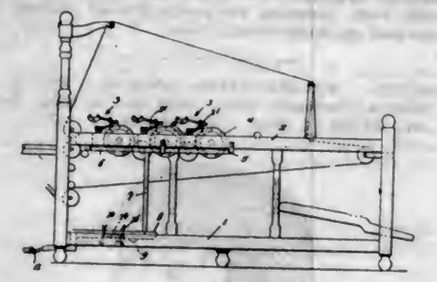
1. A flexible runway for windows having a base provided with a series of serrations upon its under surface, and also projecting side walls arranged and adapted to contact with opposite surfaces of a slidable window pane.

1,634,879. MANUFACTURE OF PECTIN PRODUCTS. DINSHAW RATTONJI NANJI, Birmingham, and FREDERIC JAMES PATON, Smethwick, England. Filed Jan. 15, 1926, Serial No. 81,593, and in Great Britain Dec. 28, 1925. 9 Claims. (Cl. 99—11.)

9. A process of extracting or removing pectin from materials containing pectinous substances by treatment of the materials with dilute solutions of salts capable of rendering soluble substantially the whole of the pectinous content.

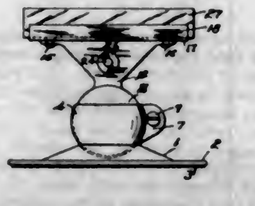
1,634,880. RULING MACHINE. FELIX MEERNSKY, Leavenworth, Kans. Filed Jan. 5, 1926. Serial No. 79,354. 3 Claims. (Cl. 33—39.)

1. As a new manufacture, an attachment for an automatic ruling machine adapted for simultaneously raising a plurality of pen equipped striker beams, comprising a rock shaft, means for mounting the rock shaft on said ruling machine, an operating lever, an operating connection between the lever and said rock shaft, and a



plurality of separate devices associated with the rock shaft and adapted for cooperation with said striker beams.

1,634,881. RAZOR-HONE HOLDER. FRANK J. MIRGON, San Francisco, Calif. Filed Jan. 26, 1925. Serial No. 4,804. 1 Claim. (Cl. 51—211.)



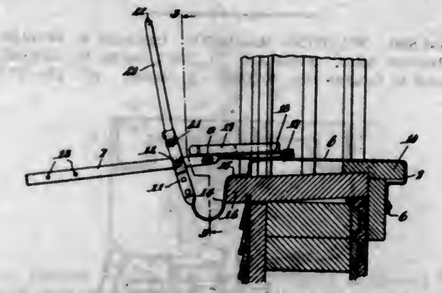
A razor hone holder comprising hone holding means mounted on a spherical member, a base having a raised central portion, a depression in said central portion adapted to receive said spherical member, a split partly spherical shell, ears on the free ends of said shell, said ears having a bolt and wingnut, and tabs on the bottom portion of said shell adapted to engage slots in said raised portion of the base.

1,634,882. DRIER. RICHARD REED MORRILL, Palo Alto, Calif., assignor, by mesne assignments, to Oliver Oil-Gas Burner and Machine Company, St. Louis, Mo., a Corporation of Delaware. Filed Nov. 29, 1922. Serial No. 603,959. 14 Claims. (Cl. 34—39.)



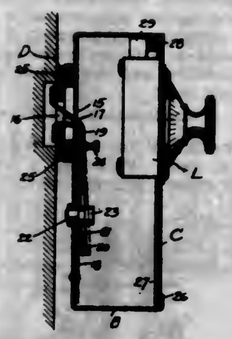
1. A heating system for driers consisting of a drying chamber, material supporting means arranged therein and spaced from the top thereof to provide a mixing and tempering chamber in the upper end of said drying chamber, a hot air chamber communicating with one end of said drying chamber for introducing heated air into said mixing chamber, and exhaust connections communicating with the lower portion of said drying chamber for conveying from the lower portion of said drying chamber the chilled air.

1,634,883. WINDOW SEAT. JOHN D. ORLOWSKI, Chicago, Ill. Filed Apr. 10, 1926. Serial No. 101,037. 7 Claims. (Cl. 304—24.)



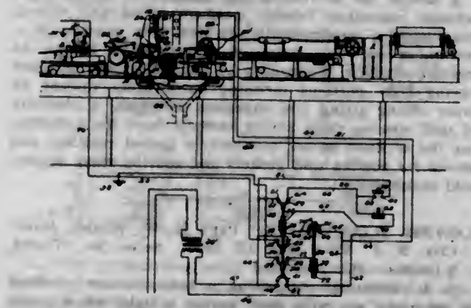
1. A device of the class described comprising a main frame provided at its inner end with hook elements to engage the inner ledge of a window sill; a seat frame pivotally mounted on said main frame and arranged to rest on the outer ledge of said window sill; and a seat on said seat frame, substantially as described.

1,634,884. SAFETY DEPOSIT RECEPTACLE. EDWARD S. PERR, Los Angeles, Calif. Filed May 19, 1926. Serial No. 110,198. 10 Claims. (Cl. 109—1.)



1. In combination, a slotted wall bracket, a receptacle having a slot in the rear wall thereof, attaching means extended through the slot of the receptacle and engaging within the slot of the bracket for securing the receptacle to the bracket, a portion of said means being applied from the interior of the receptacle, a closure for the receptacle, and locking means for the closure.

1,634,885. PAPER-MAKING MACHINE. FRANK A. PESCHL, Jackson Heights, N. Y. Filed Mar. 22, 1926. Serial No. 96,405. 48 Claims. (Cl. 92—38.)



1. In a paper making machine, the combination of means for feeding the paper web, means for causing the break of said web, and means controlled by an abnormal condition of the paper web, for actuating said breaking means.

1,634,886. DOOR STOP. CLAUDE C. READ, Detroit, Mich. Filed Sept. 8, 1922. Serial No. 586,856. 1 Claim. (Cl. 292—338.)



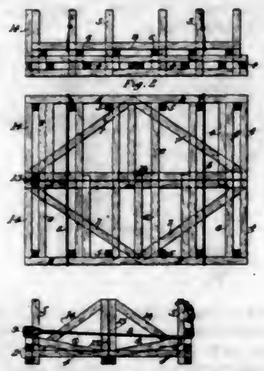
A door stop of the class described comprising a channel shaped supporting member deeper at one end than at the other, and having the edges of the end walls angularly turned to provide outwardly projecting aligning flanges at opposite sides for attachment to a supporting surface; a knuckle formed on the lower edge of the base of said supporting member centrally thereof; a stop member comprising a straight main body portion; knuckles formed on said main body portion at opposite sides thereof for embracing the knuckle on said supporting member; a pintle projected through said knuckles for hingedly mounting said main body portion on said supporting member; a tongue projecting outwardly from said main body portion between said knuckles and curved, intermediate its ends, for permitting engagement of the same with said supporting member when moved to a predetermined position relatively thereto, said tongue projecting into the deeper end of said channel between the base of said supporting member and the supporting surface.

1,634,887. GOLF CLUB. CHARLES RIGBY, Cincinnati, Ohio. Filed Apr. 18, 1927. Serial No. 184,784. 7 Claims. (Cl. 273—80.)



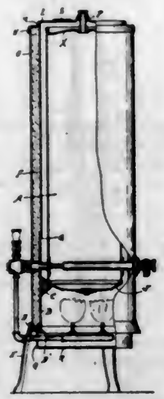
1. A golf club comprising a handle-section and a head-section, one of said sections provided with a taper bore and the other of said sections provided with a tapered shank forming a wedge connection between said sections, a sleeve rotatable about the proximate ends of said sections, means to hold said sleeve to one of said sections in both directions lengthwise of said sleeve during rotation of said sleeve, and a bayonet slot and pin connection between said sleeve and the other of said sections.

1,634,888. AUTOMATICALLY-DISCHARGING RAFT. GEORGE W. ROBERTS, Vancouver, British Columbia, Canada. Filed Aug. 30, 1926, Serial No. 132,533, and in Canada June 30, 1926. 3 Claims. (Cl. 9—15.)



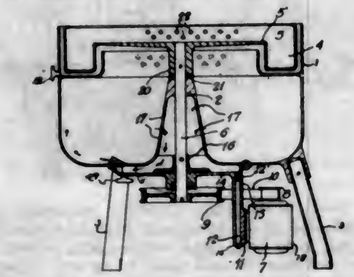
1. A rectangular framework of spars, said framework being separable along its longitudinal centre line into two approximately similar portions, each of said portions having transverse members sloping downwardly from the outside wall to the longitudinal centre, the said outer wall consisting of intersecting vertical and horizontal members, cables at suitable intervals adapted to unite the two said separable portions, said cables secured to top horizontal member of said outer wall of one separable portion; said cables being passed below the corresponding top horizontal member of the other said separable portion, and means adapted to releasably secure the ends of said cable to the said vertical members.

1,634,889. WATER HEATER. FRANK W. SHUELL, Detroit, Mich., assignor to Everhot Heater Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 4, 1924. Serial No. 690,613. 1 Claim. (Cl. 122—19.)



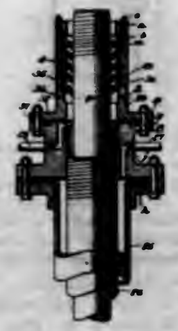
In a water heater, the combination with a vertically arranged cylindrical tank, of a casing formed of cast metal having inwardly extending lugs for engaging and supporting said tank, said lugs being fashioned to guide said tank into concentric relation with said casing, a sheet metal jacket extending upward from said casing and surrounding said tank, an outlet conduit from said tank arranged at the center of the upper end thereof, and a metal cap apertured for the passage of said outlet and engaging the upper end of said jacket to hold the same in concentric relation to the tank.

1,634,890. WASHING MACHINE. CHARLES F. STAPLES, Detroit, Mich. Filed Aug. 21, 1923, Serial No. 658,645, and in Canada Oct. 9, 1922. 3 Claims. (Cl. 68—37.)



1. In a washing machine, the combination of a washing container having a perforated compartment extending upwardly from the bottom thereof, said container having an annular liquid container compartment in the upper portion thereof, a perforated container positioned in said annular compartment, independent outlets for said container and said annular compartment, a shaft extending through said perforated compartment, a liquid agitating means positioned in said perforated compartment, said perforated container and said liquid agitating means mounted on said shaft.

1,634,891. PACKING DEVICE. WILLIAM A. TROUT, Long Beach, Calif. Filed Nov. 9, 1922. Serial No. 599,748. 1 Claim. (Cl. 166—10.)



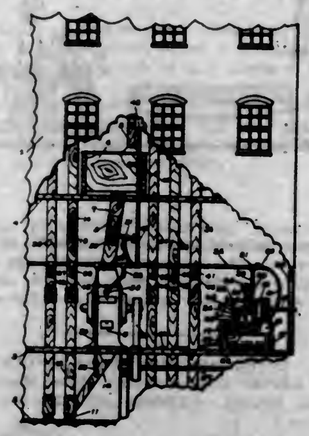
A device for preventing the passage of oil and gas between concentric tubular members of oil well strings comprising a longitudinally divided body portion of a section of an outer string of said members having an interior shoulder, a plurality of annular gasket members having body portions inclining downwardly toward an inner tubing string and engaging therewith, a plurality of split spacing rings having inclined faces for maintaining the inclined gasket members in spaced relation, and means for holding said gaskets and spacing rings against said shoulder.

1,634,892. CLOTHESPIN. PAUL H. W. WENDT, Jersey City, N. J. Filed Mar. 17, 1927. Serial No. 175,993. 3 Claims. (Cl. 24—139.)

1. A clothes-pin comprising a body member provided at its upper end with jaws having a bight which yields to clamp a clothesline, with a forwardly curved lower portion to receive the goods to be suspended, and a clamping member pivotally connected at one end to one of said jaws and provided with a vertical elongated opening adapted to pass over the said curved portion of the body member and clamp the clothes against both sides thereof.

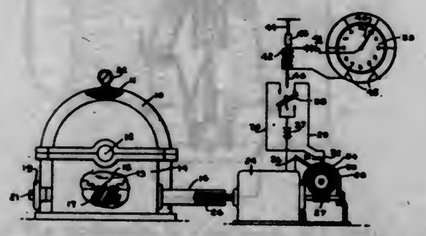


1,634,893. PURIFYING MECHANISM AND METHOD. ALMOND E. WILSON, Indianapolis, Ind. Filed July 22, 1926. Serial No. 124,283. 5 Claims. (Cl. 83—28.)



1. The method of treating grain as it is being converted into grist, consisting in injecting an insecticide into columns of the grist as it passes to and from and through a grist mill, for preventing insects, vermin and the like subsequently attacking and destroying the grist.

1,634,894. TURBINE-COOLING MEANS. ROBERT C. ALLEN, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 23, 1925. Serial No. 77,419. 10 Claims. (Cl. 253—39.)



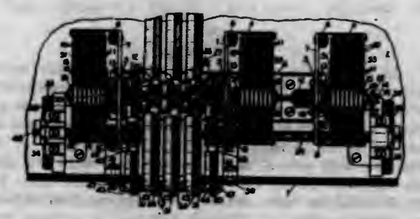
1. The combination with an idle turbine having a heated rotor, of means other than motive fluid for turning the rotor, and means determined by the rate of cooling of the mass of the rotor for periodically stopping and starting the turning means.

1,634,895. RESILIENT SUPPORT FOR VEHICLE BODIES. WILLIAM N. AMORY, New York, N. Y., assignor to Arch-Cushion Corporation, a Corporation of New York. Filed Aug. 5, 1921, Serial No. 490,081. Renewed Mar. 23, 1927. 5 Claims. (Cl. 267—65.)



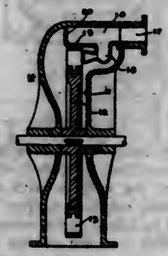
1. In combination with a vehicle, a number of hollow arched rubber cushions interposed between the axles or running gear and body in a manner to support the weight of the body, the material arch in each cushion being adequate to support its own proportion of the total weight without material assistance from air pressure.

1,634,896. RADIO APPARATUS. LLOYD B. COGSWELL, West Springfield, Mass. Filed Mar. 25, 1926. Serial No. 97,249. 2 Claims. (Cl. 175—41.5.)



1. In radio apparatus, three condensers, including the same number of sets of rotor plates and shafts therefor, two of said shafts having juxtaposed terminals, bearings for said shafts, a rod secured to one of said shafts and passing through the axial center of another of said shafts into the axial center of the third shaft, and digital actuating means mounted on said juxtaposed terminals and the part of said rod which is between said terminals.

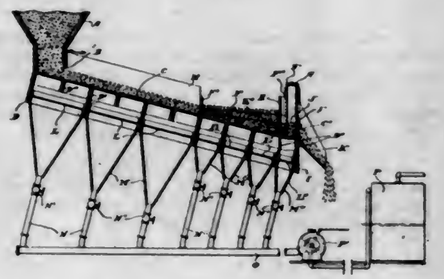
1,634,897. TURBINE. DAVID C. DAVIS, Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,300. 7 Claims. (Cl. 253—39.)



1. In a turbine, a rotor, a row of blades mounted on the rotor and adapted to be loosened upon the attainment of an excessive speed, means for admitting motive fluid

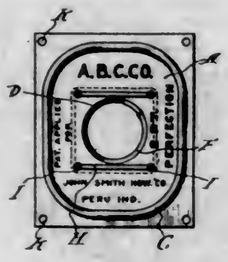
to the turbine and directing it against the rotor, and means made effective by a loosened blade for rendering the incoming motive fluid ineffective for driving the rotor but permitting said motive fluid to pass through the turbine.

1,634,898. MINERAL SEPARATOR. GEORGE R. DELAMATER, Harrisburg, Pa. Filed Oct. 24, 1922. Serial No. 596,576. 6 Claims. (Cl. 209—476.)



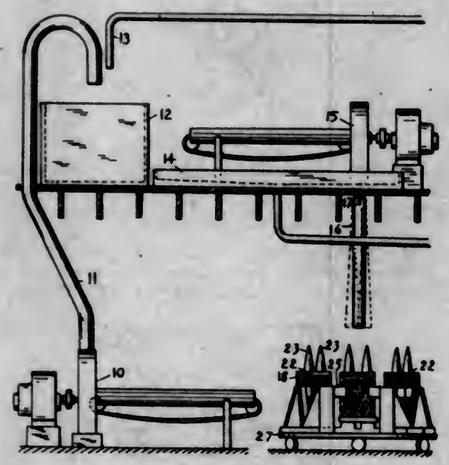
1. In a mineral separator, an inclined screen having sides providing a channel that has a lower contracting section of increasing depth, a gate extending across said section at the lower end thereof with its lower edge disposed so as to permit the movement thereunder of materials on said screen, and a second gate with its upper edge disposed above the lower edge of said gate first named so as to form therewith a mineral seal between said gates.

1,634,899. WIRE REEL. JOHN E. FREDRICK, Kokomo, Ind. Filed July 20, 1925. Serial No. 44,710. 3 Claims. (Cl. 242—123.)



1. In a reel, the combination of a pair of head plates of rectangular formation composed of sheet metal and each provided near its margin with a continuous bead extending in parallel relation to the sides and rounded across the corners to afford plain corner portions of relatively increased area outside of the bead, each corner portion having formed near the peak of its corner an aperture adapted to receive a binding wire, said corner portions being bendable outside of the bead to embrace the bundle carried by the reel, and spaced connecting rods secured at their ends to the respective head plates at points inside of the bead, substantially as described.

1,634,900. MOLD FOR BUILDING BLOCKS AND PROCESS OF MOLDING. RICHARD B. FULLER, Lawrence, N. Y., assignor to Stockade Building System, Inc., a Corporation of New York. Filed Dec. 31, 1924. Serial No. 758,991. 3 Claims. (Cl. 18—48.)



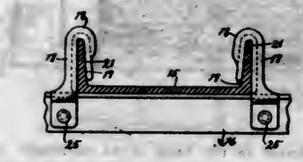
1. An open-top mold with perforated walls in combination with a core extending upward through the mold and terminating in a streamline point above the top of the mold, and means for blowing material into the mold.

1,634,901. INTERNAL-COMBUSTION ENGINE. WILLIAM J. GANNET, Cleveland, Ohio. Filed May 25, 1922. Serial No. 563,641. 4 Claims. (Cl. 123—65.)



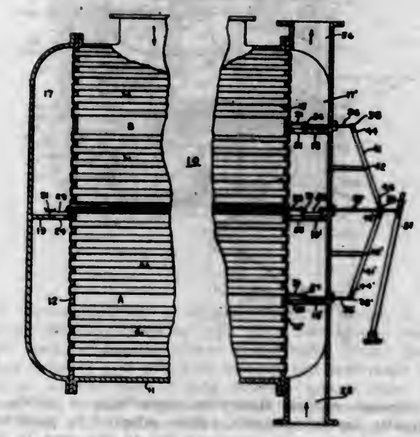
1. In an internal combustion engine of the class described, the combination with the engine cylinder having an inlet port positioned laterally thereof, of a reciprocatory piston having a plurality of charge-pocket compartments traveling in said cylinder and adapted to clear the port at the extremity of its out-stroke, an oscillating valve member normally closing said port and angularly cut away to afford a variable clearance therewith, and automatic means connected with said piston for variably opening said valve, substantially as set forth.

1,634,902. BRAKE-BEAM SAFETY HANGER. JULIUS H. GIMPEL, Decatur, Ill. Filed June 26, 1925. Serial No. 39,640. 3 Claims. (Cl. 188—210.)



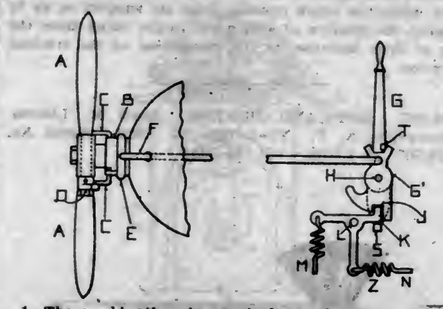
1. A safety support for brake mechanism, comprising a plurality of hook members having a T-shaped channel in the lower portion of each of said members, a rigid bar having a T-shaped upper portion slidably mounted in said channel for forming an interlocking connection between said hook members and said bar, and means extending transversely through said bar and members for securing said bar to said members.

1,634,903. SURFACE CONDENSER. FRANCIS HODGKINSON, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1925. Serial No. 46,989. 12 Claims. (Cl. 257—240.)



1. The combination in a condenser, of a casing, a plurality of groups of cooling tubes therein, each group being composed of a plurality of sub-groups, means for connecting the sub-groups of a group either in series or in parallel with respect to the flow of cooling fluid and means for connecting the groups in series in either case.

1,634,904. AIRPLANE STOP. CHARLES FRANCIS JENKINS, Washington, D. C. Filed May 21, 1927. Serial No. 193,258. 5 Claims. (Cl. 244—2.)



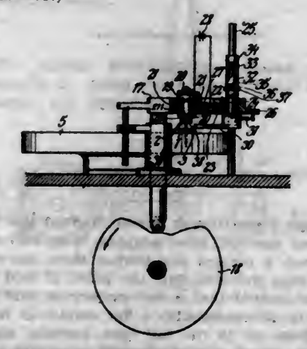
1. The combination, in an airplane, of a motor therein, a supporting landing gear therefor, a propeller driven by said motor, reversing gear for said propeller, and means for preventing the use of said propeller-reversing gear except when said supporting gear contacts with the ground.

1,634,905. FUSE PLUG AND SOCKET. CHARLES BROOKE JONES, above Cynwyd, Pa. Filed Mar. 29, 1921. Serial No. 456,599. 13 Claims. (Cl. 200—129.)



1. In a fuse plug and socket, the combination of a base having, a bore and grooves in communication with the bore, the base being recessed about the bore, contacts within the base at a greater distance from the center than the bore and passing through the base, binding posts on the upper side of the base engaging said contacts, a plug having a diameter corresponding to the bore, contacts carried by the plug adapted to fit within the grooves and engage with the first named contacts and a stop limiting the insertion of the plug to bring the contacts in line for engagement.

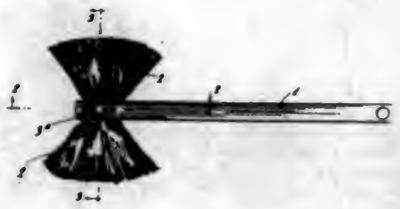
1,634,906. METHOD AND APPARATUS FOR MAKING LANTERN WHEELS FOR CLOCKS AND OTHER PURPOSES. HERBERT KIENZLE, Schwenningen-on-the-Neckar, Germany. Filed Oct. 3, 1922, Serial No. 592,048, and in Germany Oct. 11, 1921. 18 Claims. (Cl. 29—88.)



1. The method of applying pins to a pinless lantern-wheel blank, which consists in mechanically supporting

the pinless blank, inserting a group of pin-forming wires simultaneously into a corresponding group of pin-receiving holes of such blank, and then riveting the ends of such wires while the blank remains upon its support so as to preserve the relation of said wires to the blank from the time of their insertion to the completion of the riveting operation.

1,634,907. MOP AND DUSTER. JOHN M. LESTER, Bronxville, N. Y. Filed June 17, 1926. Serial No. 116,507. 1 Claim. (Cl. 15—147.)



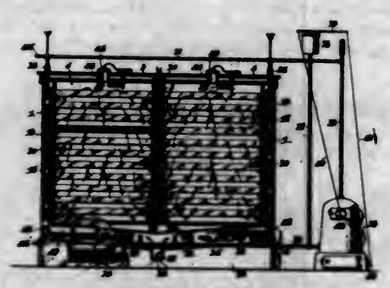
A device of the class described comprising a handle, a bunch of strands located on one side of the handle extending in a direction transversely across the same, and securing means comprising a staple extending across the outer portion and against the sides of the strands gripping the mid-portion of the strands tightly against the handle between their ends on one side of the handle and keeping the strands from displacement endwise and laterally of the handle, the ends of the staple extending crosswise through the handle and being clenched on its side opposite the strands.

1,634,908. WRENCH. ERNEST E. LYNCH and HOMER A. MEAD, Turlock, Calif., assignors to Masterench Corporation, a Corporation of California. Filed Mar. 3, 1924. Serial No. 696,548. 1 Claim. (Cl. 81—99.)



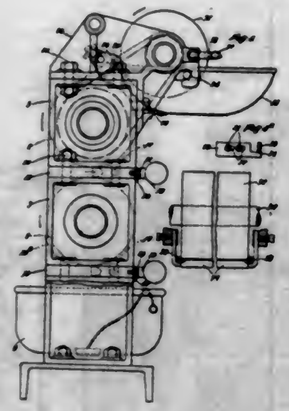
In a wrench comprising a handle, a fixed jaw on said handle having two flat faces adapted to fit two sides of a hexagon nut, a pivoted jaw having three flat surfaces adapted to fit a hexagon nut, the pivot of said pivoted jaw being so located that a flat surface on said pivoted jaw will be in alinement with a flat surface of fixed jaw when said jaws are in the full open position, said fixed jaw having a curved surface adapted to engage one side of a hexagon nut while said pivoted jaw is in engagement with two sides thereof.

1,634,909. INCUBATOR. JOHN F. MACKAY, Lancaster, Pa. Filed Mar. 1, 1924. Serial No. 696,123. 26 Claims. (Cl. 119—42.)



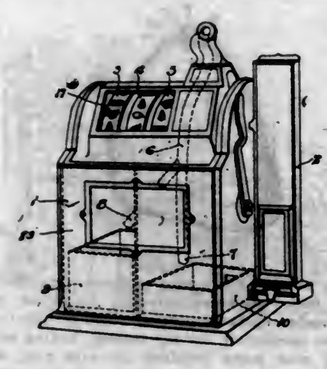
1. An incubator in the form of an enclosure comprising an incubating compartment with hollow walls each affording up and down air circulation therethrough, and coil banks extending across the incubator bottom and vertically within the hollow walls effective to flow fluid heating medium in a reverse direction to that of the entering air whereby a circulatory atmosphere of even temperature is ensured.

1,634,910. COOLING APPARATUS FOR CREAM AND OTHER VISCOUS LIQUIDS. PRYCE MATTHEWS, West Kensington, London, and ANDRÉ BRACHER, Berrow, Burnham-on-Sea, England. Filed Dec. 24, 1926, Serial No. 156,958, and in Great Britain Aug. 18, 1925. 5 Claims. (Cl. 99—2.)



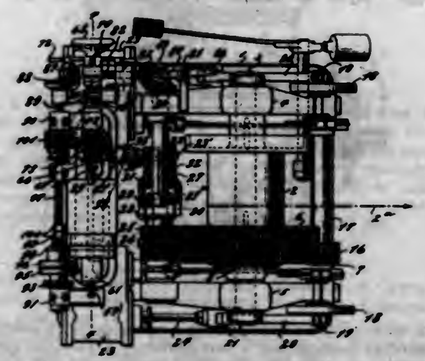
1. Cream cooling apparatus comprising a series of internally cooled rotatable rollers adapted to positively transfer the cream from one roller to the next in the series by the said rollers revolving in the same direction to one another in contiguous relationship and a scraper adapted to remove the cream from the last roller in the series and to transfer it to a collecting receptacle, the cooling means for said rollers causing the circulation of a cooling medium successively from one roller to the other, the cooling medium entering the last roller and leaving the first roller in the series, so that the cream is gradually cooled as it passes over the series of rollers.

1,634,911. VENDING MACHINE. MONROE L. MELETIO, St. Louis, Mo. Filed Jan. 6, 1926. Serial No. 79,583. 4 Claims. (Cl. 194—1.)



2. A vending machine of the profit-sharing type having a profit-sharing delivery chute and an interchangeable front, said front being constructed to enclose said profit-sharing chute within said vending machine when applied thereto.

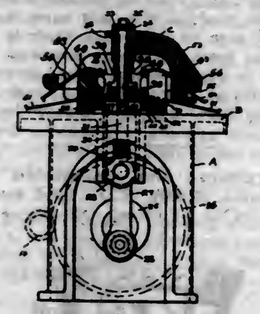
1,634,912. ENGINE. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 5, 1923. Serial No. 649,680. 8 Claims. (Cl. 254—172.)



1. In combination, a winding drum, a motor, a rotatable member driven by said motor and located beside said drum, a yielding power transmitting device interposed between said rotatable member and said drum and located at the side of said member remote from the drum, and means responsive to relative movements of said drum and said member for controlling power supply to said motor.

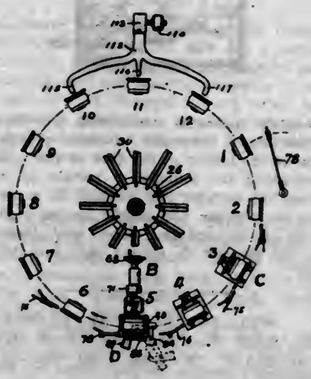
1,634,913. METHOD AND APPARATUS FOR BENDING SPOKES. THOMAS F. RAINSFORD, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a Corporation of Michigan. Filed Mar. 16, 1925. Serial No. 15,982. 11 Claims. (Cl. 153—48.)

1. A spoke-bending machine for wheel spokes, comprising a support for said wheel, a bending element, a fulcrum adapted for contact with a spoke intermediate the point of connection of the spoke with the hub of the



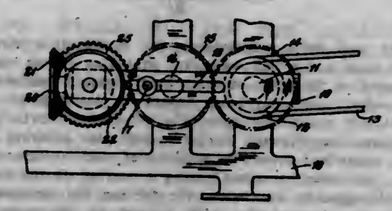
wheel and the outer end of the spoke, and means for relatively moving the bending element and wheel for bending a spoke about the said fulcrum.

1,634,914. CENTRIFUGAL CASTING APPARATUS. LUDWIG REICHOLD, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed June 20, 1924. Serial No. 721,200. 38 Claims. (Cl. 22—64.)



11. In a centrifugal casting apparatus, a revolving turret and a plurality of molds carried thereby and adapted in the movement of the turret to be presented in succession to a casting station, means at such station for rotating a mold, and means for coupling the mold to its rotating means.

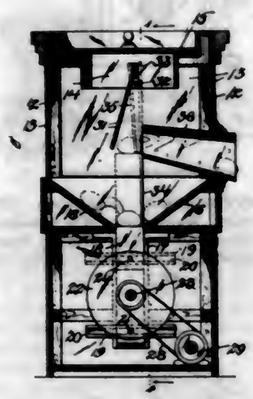
1,634,915. LOOM MOVEMENT. FRIEDRICH ROLAND, Paterson, N. J. Filed Oct. 6, 1926. Serial No. 139,863. 3 Claims. (Cl. 139—190.)



1. A batten operating device for looms comprising a plurality of intermeshing gears journaled on shafts arranged in the frame of the loom, a means for transmit-

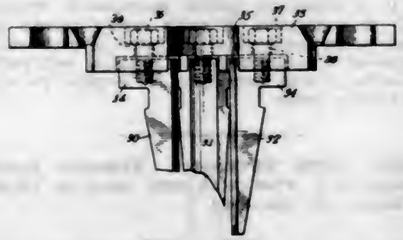
ting the power from a source of power to one of said gears, one of said gears having a bevel face, a slotted member having a stub shaft at one end, a bevel gear on said stub shaft meshing with said bevel face, a crank shaft, a bevel gear on said crank shaft in mesh with said last named bevel gear, and a means on one of said gears adapted to engage the slot of said member to delay the batten motion at the inner end of its path for allowing the spools more time for passing through the warp.

1,634,916. MACHINE FOR DISPENSING ARTICLES. SAMUEL SAMBOR, Newark, N. J. Filed Sept. 11, 1926. Serial No. 134,763. 1 Claim. (Cl. 211—8.)



A dispensing apparatus comprising a holder with an inclined bottom, a vertically movable plunger forming the bottom of the holder at the foot of the incline, means for reciprocating the plunger, a paddle pivoted to the holder above the plunger and adapted to be swept across the top of the plunger, the paddle having a pivoted connection and an inclined face above said connection, and a rod on the plunger to engage said face to move the paddle.

1,634,917. WELL-DRILLING APPARATUS. WALDO SHELDON, South Norwalk, Conn. Filed Mar. 4, 1926. Serial No. 92,126. 19 Claims. (Cl. 255—23.)



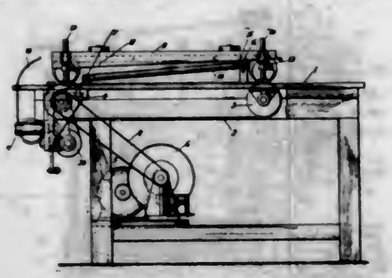
1. In well drilling apparatus, the combination with a rotary table and a tapered socket partaking of the rotary movement of the table, of a sectional clamp overstanding said socket and comprising separable clamp plates independently engageable about the sides of the drill pipe extending down through the table, drill pipe gripping segments dependent from the sections of said overstanding clamp, said clamp sections having a bearing on the heads of said segments and means for forcing the sections of the clamps downwardly with respect to the table to thereby force the pipe gripping segments downwardly in the socket and into gripping engagement with the drill pipe.

1,634,918. LATCH DEVICE FOR HAND BAGS. SAMUEL STEINMAN, Brooklyn, N. Y. Filed Nov. 3, 1925. Serial No. 66,486. 1 Claim. (Cl. 292—194.)



In a bag of the type having a frame comprising front and rear frame members pivotally connected to each other, separated upstanding front posts provided on said front frame member at the top thereof, having separated upstanding rear posts provided on said rear member, said rear posts being substantially aligned with said front posts, and a latch member located intermediate said rear posts and pivotally connected thereto, said latch member having a tongue adapted to enter between the front posts and also having a head adapted to engage the front faces of said front posts, said front faces of said front posts being planar and the engaging surfaces of said head being correspondingly shaped.

1,634,919. MACHINE FOR WRAPPING TIRE TAPE OR THE LIKE. HORACE D. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 26, 1924. Serial No. 688,690. 4 Claims. (Cl. 93—5.)

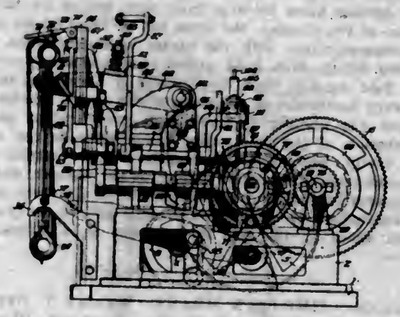


1. In a machine for applying a wrapper to cylindrical objects, in combination, a belt conveyor, a yieldable pressure bar provided with guiding flanges, said bar being mounted above said conveyor and spaced therefrom to guide and roll the object, a pair of inclined folding rollers at the sides of the conveyor belt for acting upon the edges of the wrapper to fold it progressively from the periphery to the center of the object, a chute for receiving the object from the conveyor, and yieldable pressure rollers arranged transversely of the chute to compress the folds of the wrapper onto the side faces of the object.

1,634,920. TIRE-STRIPPING MACHINE. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 19, 1921. Serial No. 523,420. 10 Claims. (Cl. 18—2.)

6. In a machine of the character described, a plurality of arms movable radially of the core, means on said arms to engage the bead of a tire, pivots for said arms about which they oscillate circumferentially of the tire,

means to move the arms simultaneously radially of the tire and a rotating power shaft, a second shaft, driving connections between the power shaft and the second shaft,



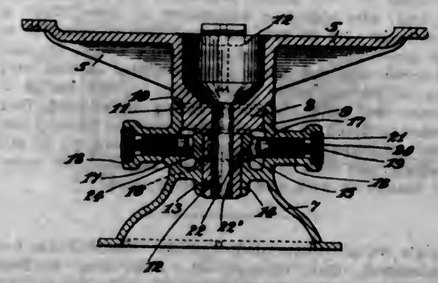
means connected with the second shaft to move the arm about the core, and means to interrupt the connection between the two said shafts.

1,634,921. FRAME FOR PHOTOGRAPHS, DISPLAY CARDS, AND THE LIKE. JOSEPH KALLMAN STRAUS, Jamaica, N. Y., assignor to The Ullman Manufacturing Company, Long Island City, N. Y., a Corporation of West Virginia. Filed Dec. 21, 1926. Serial No. 156,078. 4 Claims. (Cl. 40—152.)



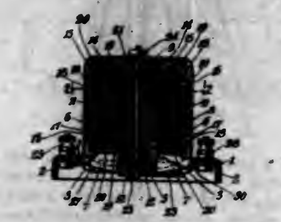
1. A device of the character described comprising a frame piece provided with a projecting flange and further provided with a slot, a covering carried by said frame piece and provided with a portion bent partially around said flange, and a binding strip secured to said covering and to said frame piece, said binding strip being provided with a portion extending into said slot.

1,634,922. REVOLVING CHAIR. RAYMOND F. STUBBLEBINE, Philadelphia, and JOSEPH V. DOLAN, Ardmore, Pa., assignors to The American Motor Body Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 18, 1924. Serial No. 707,845. 4 Claims. (Cl. 155—96.)



1. In a chair of the character described, in combination, two chair elements, one rotatably supporting the other, a gear-like member on one of said elements, and a spring-pressed latch on the other element, said latch engaging endwise between the teeth of said gear-like member, whereby relative rotative movement between the said elements is yieldingly restrained, said latch having a convex outer extremity, and said gear-like member having complementary shaped surfaces between its teeth to receive said latch extremity, whereby, when said latch extremity is seated between the teeth of said gear-like member, separation between the said two elements is prevented in a direction perpendicular to the plane of rotation of the chair.

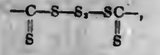
1,634,923. TRANSFORMER. LOUIS H. THULLEN, Upper Montclair, N. J., assignor, by mesne assignments, to J. C. Thullen, Leetonia, Ohio. Filed July 15, 1924. Serial No. 726,067. 25 Claims. (Cl. 175—356.)



1. A transformer having a substantially closed magnetic circuit comprising a central core and a surrounding magnetic structure, and energizing turns about said core and surrounded by said surrounding magnetic structure, a substantial part of said magnetic circuit being made up of a mixture of iron dust and a binder in which mixture the volume of the binder is from about 2% to about 10% of the volume of iron dust.

1,634,924. ACCELERATOR FOR THE VULCANIZATION OF RUBBER. GEORGE STAFFORD WHITBY, Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y., a Corporation of New York. Filed Jan. 27, 1926. Serial No. 84,152. 23 Claims. (Cl. 18—53.)

3. A process of treating rubber or similar material which comprises incorporating with the rubber a vulcanizing agent, an amine, and an organic compound comprising the group



and vulcanizing the rubber.

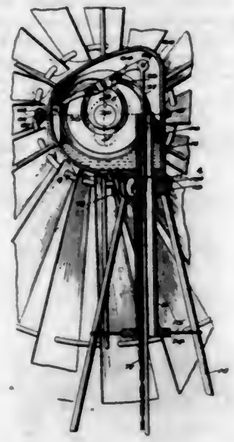
23. The method of vulcanizing rubber without the addition of sulfur, which comprises subjecting the rubber to vulcanization with an organic polysulfide of the general formula $(-CS)_2S_x$ (where x is a number greater than 2) as the vulcanizing agent.

1,634,925. ACCELERATOR FOR THE VULCANIZATION OF RUBBER. GEORGE STAFFORD WHITBY, Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y., a Corporation of New York. Filed Jan. 27, 1926. Serial No. 84,154. 35 Claims. (Cl. 18—53.)

2. A process of treating rubber or similar material which comprises incorporating with the rubber compound a vulcanizing agent and a substituted thiuram polysulphide containing more than four atoms of sulphur per molecule, and vulcanizing.

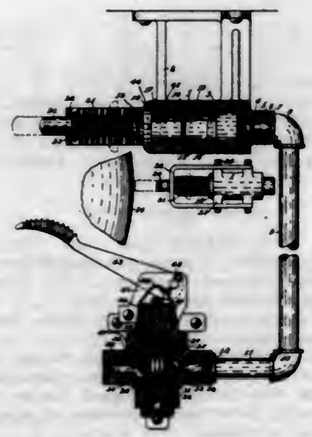
20. A vulcanized rubber derived from rubber or similar material in which is incorporated a vulcanizing agent and a substituted thiuram polysulphide containing more than four atoms of sulphur per molecule.

1,634,926. WINDMILL. JOHN H. WILSON, Mitchell, Nebr., assignor, by mesne assignments, to James T. Whitehead, Mitchell, Nebr. Filed Mar. 17, 1924, Serial No. 699,916. Renewed Apr. 27, 1927. 5 Claims. (Cl. 74—14.)



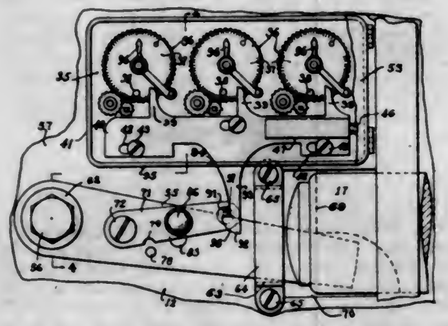
1. In a device of the character described, a housing having a horizontally disposed bearing extending from one side thereof, a horizontal shaft rotatably mounted in said bearing, an actuating member fixed to the outer end of said shaft, a cam fixed to the inner end of the shaft and operating in the housing, said cam having a double groove in its exposed face, a lever having one end fulcrumed on the housing for vertical swinging movement about a horizontal axis, the other end of the lever being adapted for connection with a pump rod, and a follower operating in the grooves of the cam and pivotally connected to the lever intermediate its ends.

1,634,927. PERCUSSIVE DEVICE. ALBERTO I. WOODRING, Waterloo, Iowa, assignor to National Safety Devices Company, Waterloo, Iowa. Filed Feb. 13, 1926. Serial No. 88,143. 2 Claims. (Cl. 121—2.)



1. In a device of the character described, a cylinder having an open and a closed end, the latter having a relatively small inlet port in controlled communication with a source of fluid under pressure, a cup-shaped plunger fitted within and to reciprocate in said cylinder and having an outer striker stem, a compression spring anchored to resiliently engage the outer end of said plunger, said plunger having a medial groove around it and having holes leading from said groove to the interior of the plunger, the open end of the plunger being in communication with the cavity of the cylinder, said groove filling with fluid under compression to exhaust the fluid quickly when the groove is uncovered in the outward movement of the plunger, the spring reacting to return the plunger to close said groove upon partial exhaustion of the fluid under compression in the cylinder cavity, whereby the spring is kept in partial compression during the reciprocations of the plunger, and the reciprocations of the plunger are limited in their length to approximately the width of said groove to produce rapid blows by the said striker stem upon a resonant device.

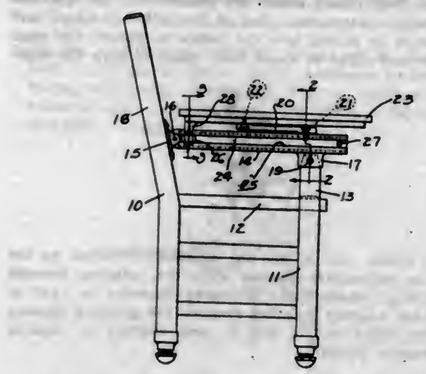
1,634,928. TIME-LOCK MEANS. WILLIAM T. BENHAM, Norwood, and JOHN E. DWYER, Cincinnati, Ohio, assignors to The Hall's Safe Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 16, 1924. Serial No. 713,769. 5 Claims. (Cl. 70—26.)



1. In time lock means of the character described, the combination of a safe-door, a time-clock means comprising a casing mounted on said safe-door, latching means controlled by the latter, bolt-works for locking said safe-door, said safe-door comprising an inner plate as an integral part of said safe-door and independent of said time-clock casing, and obstructing means for said bolt-works, said obstructing means mounted on said inner plate of said safe-door independent of said casing in manner that said time-clock casing is relieved from stresses produced on said obstructing means by said bolt-works and said stresses are communicated directly to said safe-door, and said latching means arranged for operative connection with said obstructing means.

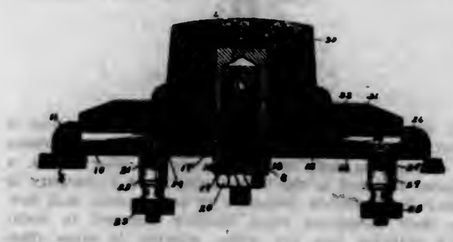
1,634,929. SWINGING TABLE. ADOLF BLITZ and ALBERT S. KUX, Chicago, Ill. Filed Aug. 8, 1925. Serial No. 49,062. 11 Claims. (Cl. 155—128.)

1. In combination a supporting member having a longitudinal groove therein, an arm pivotally supported at one end by the member and adjacent one end of the member, a table connected with the arm for movement on an upright pivot, a roller movable in the said groove,



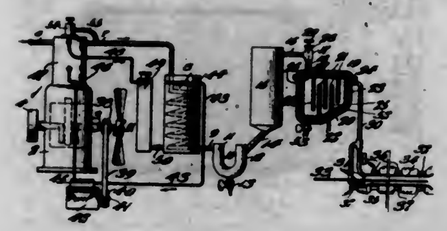
and a support for the table, the last said support depending from the table and to which support the roller is connected.

1,634,930. VARIABLE CONDENSER. CARL P. BROCKWAY, Toledo, Ohio, assignor to The Arcturus Radio Co., Harrison, N. J., a Corporation of Delaware. Filed Nov. 22, 1923. Serial No. 676,224. 8 Claims. (Cl. 175—41.5.)



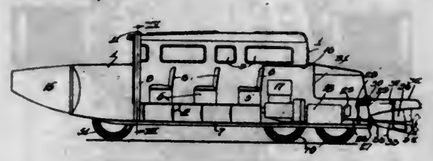
1. In a condenser, a pair of resilient bowed plates, said plates being bowed in the same direction but in different degrees; means to cause said plates to approach a relative uniformity of curvature and to thereafter move closer together whereby the capacity of said plates is gradually varied.

1,634,931. AIR-DRYING SYSTEM. HARRY C. COLE, Philadelphia, Pa. Filed Mar. 5, 1926. Serial No. 92,402. 2 Claims. (Cl. 62—135.)



1. An apparatus for drying air comprising an air compressor, a condenser, a pump, a radiator, a suction pipe leading from said condenser to said pump, a discharge pipe leading from the pump to the water jacket of the compressor, a discharge pipe leading from the water jacket of the compressor to said radiator, a connection from said radiator to the lower portion of said condenser, a discharge pipe for the compressed air leading from said compressor through said condenser, a trap into which the air passes after leaving the condenser, a storage tank at a higher level than said trap, and having a pipe leading from the bottom thereof to said trap, whereby any water of condensation gravitates into said trap, an insulated expansion chamber provided with baffles, and a pipe leading from said storage chamber to said expansion chamber, and provided with a valve.

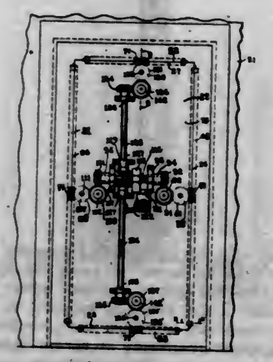
1,634,932. AUTO MARINE VEHICLE. ALBERT E. COOK, Evanston, Ill., assignor to Charles B. Cook, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,732. 16 Claims. (Cl. 115—1.)



1. An auto marine vehicle comprising a body, pontoons movably mounted thereon, means for adjusting the pontoons, retaining means for holding the pontoons in their adjusted positions, driving means within said body, a reversible bow section for increasing the length of the vehicle, a housing pivoted to the rear end of the body to increase the length of the vehicle, and propeller means in said housing adapted to be connected to receive a drive from said driving means.

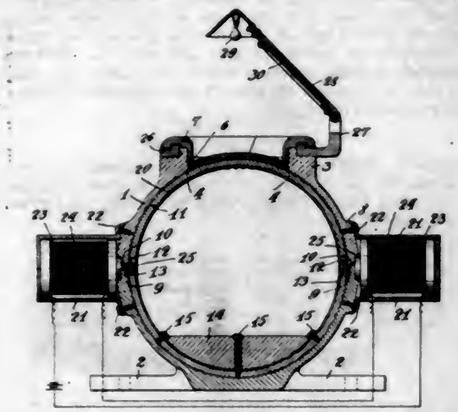
2. A land and water vehicle of the class described comprising a body, a reversible bow section at the front end of said body and a pivoted propeller section connected with the rear end of the body.

1,634,933. LOCKING MECHANISM FOR SAFES. HARRY M. DALTON, Cincinnati, Ohio, assignor to The Hall's Safe Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 3, 1924. Serial No. 710,930. 21 Claims. (Cl. 109—3.)



1. In locking mechanism for a safe, the combination with a door and a wall of a door-opening, of a pluripart rotatable locking-bar having an axis of rotation extending lengthwise of a joint between said door and said wall, said locking-bar extending substantially throughout the length of said joint, the parts of said bar having a parting plan between them extending lengthwise of said joint, means for rotating said bar for locating said plane coincident with said joint for unlocked relation of said door or crosswise of said joint for locked relation of said door, and means for maintaining said locking-bar in said last-named relation.

1,634,934. INCLINOMETER. JOHN S. DONALDSON, New York, N. Y. Filed Oct. 30, 1919. Serial No. 334,415. 30 Claims. (Cl. 33—206.)



1. An inclinometer, comprising the combination of an eccentrically weighted member, a support for said member in which it is free to turn in all directions, magnetic elements attached to said eccentrically weighted member and said support respectively to prevent said member turning relative to the support about the normally vertical axis of the support, and means for measuring the displacement of the support relative to the member.

1,634,935. LIFT FOR SUCKER RODS, PIPES, AND THE LIKE. WALTER W. DONNELLY, Fort Worth, Tex. Filed Dec. 1, 1924. Serial No. 753,381. 2 Claims. (Cl. 294—104.)



1. A fishing tool having a casing provided with a passage for the heads of sucker rods and for the passage of pipes and a crescent-shaped shoulder off-set in one side of said passage, a lift pivotally mounted in one side of said casing above said shoulder and provided with arms for catching under the welds of sucker rods and under the collars of pipes for lifting purposes, and shoulders depending from said lift on both sides of the pivotal connection and flat on the bottom edges and resting on said crescent-shaped shoulder to support said lift on said shoulder.

1,634,936. MEANS FOR SECURING NAME PLATES AND THE LIKE. ALBERT HENRY EDDY, Pawtucket, R. I., assignor to A. L. Newman Company, Cranston, R. I., a Corporation of Rhode Island. Filed May 27, 1925. Serial No. 33,224. 5 Claims. (Cl. 40—20.)

1. Means for receiving a name-plate, emblem, or other article to a radiator shell or other structure having a circular orifice, comprising a disk-like element attached to the plate in spaced relation thereto and formed with at least four radial arms, the diameter of the disk-element being greater than that of the orifice to adapt said element to be forced into the orifice to distort the arms into arcuate shape to cause their edges to grip the walls



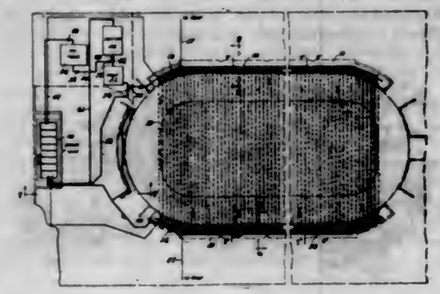
of the orifice, and a disk-like member connected to the plate in concentric relation with the gripping element and having substantially the same diameter as that of the orifice whereby it serves to guide the gripping element into the orifice and to hold it from canting or twisting with respect thereto.

1,634,937. ATTACHING MEANS FOR NAME PLATES AND OTHER ARTICLES. ALBERT H. EDDY, Pawtucket, R. I., assignor to A. L. Newman Company, Cranston, R. I., a Corporation of Rhode Island. Filed Feb. 3, 1926. Serial No. 85,720. 5 Claims. (Cl. 40—20.)



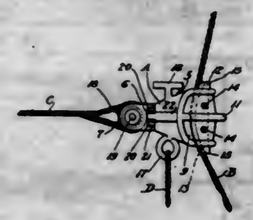
1. Means for attaching a name-plate or other device to another object or structure having an orifice, comprising in combination with the name-plate or other device, a member fastened to the back thereof, and a plurality of radial dogs rockably connected to said member and having their peripheral edges radially disposed to resist their entrance into the orifice whereby to cause them to be canted back in inclined relation to frictionally grip the interior of the orifice.

1,634,938. ICE-SKATING RINK. GEORGE C. FUNK, Brookline, Mass. Filed Oct. 16, 1926. Serial No. 141,946. 22 Claims. (Cl. 62—170.)



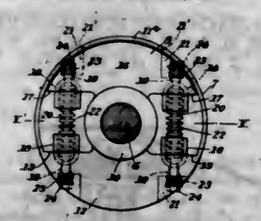
1. A skating floor comprising in combination with a supporting structure, a layer of thermal insulating material on said supporting structure, a waterproof layer on said insulating layer, a layer of dry sand on said water-proofing layer, a wearing floor having a floating support on said sand layer, pipes for the circulation of heat transferring medium embedded in said floating floor structure and means for circulating a heat transferring medium through said pipes, including connections yieldable to permit of the floating action of the floor.

1,634,939. SPUDDING SHOE. CHARLES E. GALLMAN and FRANK HAIRE, Tulsa, Okla., assignors to Oil Well Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1921. Serial No. 500,826. 4 Claims. (Cl. 255—33.)



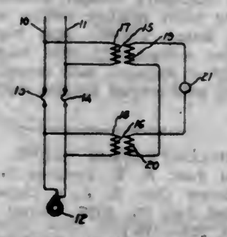
1. A spudding shoe comprising an integral body having a relatively wide thin hook-shaped portion at one end and means at the other end thereof to which a jerk line may be attached, an integral strengthening rib extending around the hooked portion of the body, and a rope engaging surface inside said hook portion and supported throughout its length by the hook portion.

1,634,940. FLEXIBLE SHAFT COUPLING. EDGAR E. GREVE, Bellevue, Pa. Filed May 18, 1922. Serial No. 561,849. 6 Claims. (Cl. 64—96.)



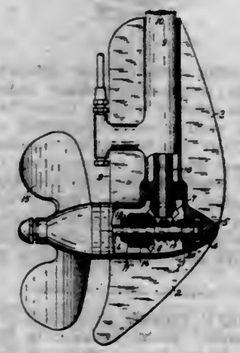
1. A shaft coupling comprising a pair of opposed members having cooperating parts forming a spherical joint therebetween, each having a single offset segment-shaped projection thereon, yieldable means interposed between the faces of the segmental projections of the two members, and a movable member passed through the said projections for connecting the opposed members.

1,634,941. SIGNALING SYSTEM. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Nov. 22, 1924. Serial No. 751,713. 4 Claims. (Cl. 177—311.)



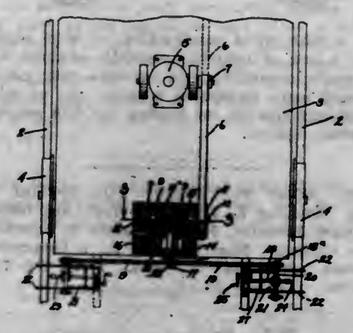
1. A signaling system comprising in combination with alternating current electrical supply mains or the like, protective means for opening the circuit through said supply mains upon the occurrence of abnormal conditions therein, a pair of transformers connected to said supply mains on opposite sides of said protective means respectively, whereby one of said transformers is de-energized upon the operation of said protective means, connections whereby the output circuits of said transformers are connected in opposition, a signaling device operated by one of said transformers when the other is deenergized.

1,634,942. OUTBOARD-MOTOR DRIVE. HERBERT J. HILLBORN, Milwaukee, Wis., assignor to Evinrude Motor Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 18, 1926. Serial No. 136,220. 7 Claims. (Cl. 115—17.)



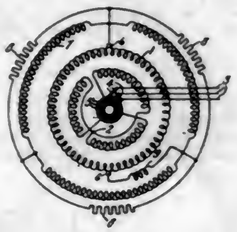
1. The combination with the submersible gear housing of an outboard motor, and a propeller drive therethrough including a power shaft and a propeller shaft with interconnecting gearing, of a slip clutch incorporated in said drive within said housing.

1,634,943. MEANS FOR OPERATING TRACK DRILLS. ERNEST J. HONL, Sleepy Eye, Minn. Filed June 25, 1924. Serial No. 722,419. 1 Claim. (Cl. 77—8.)



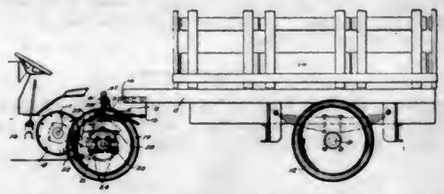
The combination with a main drive shaft having a sprocket wheel on one end, means for mounting the shaft on a railroad car approximately equidistant from the track rails, a drill normally hand operable and having a frame adapted to be positioned on the ground adjacent either rail, said frame including an upward extension, means for clamping the drill frame to an adjacent rail, a supplemental shaft horizontally journaled in the upper part of the upward extension of the drill frame and having sprocket wheels on its opposite ends, and a sprocket chain for connecting the sprocket wheel on the main drive shaft with either of the sprocket wheels on the supplemental shaft.

1,634,944. ALTERNATING-CURRENT MOTOR. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 23, 1924. Serial No. 708,552. 3 Claims. (Cl. 172—274.)



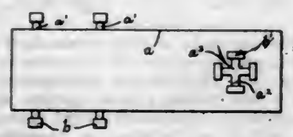
1. An alternating current motor comprising two relatively movable polyphase windings inductively associated with each other to produce torque for accelerating said motor; an exciting circuit including a commutator winding inductively and immovably associated with one of said polyphase windings for supplying the excitation of said motor; means permanently associated with said circuit for limiting its current during acceleration of said motor, and means permanently connected across the different phases of the other of said polyphase windings for improving the starting characteristics of said motor.

1,634,945. FIFTH-WHEEL CONSTRUCTION. IRVING H. JUDD, Detroit, Mich., assignor to Whitehead and Kales, Inc., River Rouge, Mich., a Corporation of Michigan. Filed May 4, 1925. Serial No. 27,963. 21 Claims. (Cl. 280—33.1.)



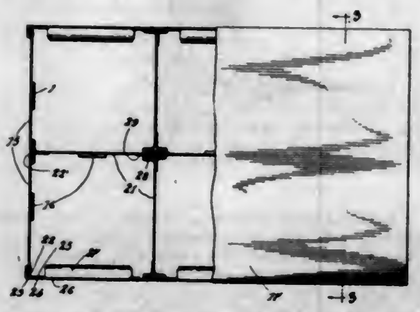
1. In a fifth wheel construction, a main supporting member, a pair of relatively rotatable sections, a king-pin pivotally connecting said sections, and means engaging said main supporting member, one of said sections and said king-pin for holding the fifth wheel parts in assembled relation.

1,634,946. BODY SUSPENSION FOR MOTOR VEHICLES. WILLIAM B. JUPP, New York, and GEORGE O. HANSHEW, Brooklyn, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 27, 1924. Serial No. 716,081. 9 Claims. (Cl. 296—35.)



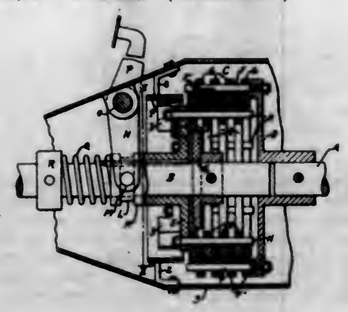
1. In combination with the chassis frame and body of a motor vehicle, arms carried on opposite sides near one end of the body, block supporting means carried upon opposite sides of the frame and having means to receive the ends of the arms, blocks of yielding nonmetallic material carried by the supporting means and engaging the ends of the arms, respectively, arms adjacent the median line of the vehicle and radiating from a single point of support on the body near the other end thereof to provide, in effect a single support, block supporting means carried with the chassis frame and having means to receive the ends of said last mentioned arms, and blocks of yielding non-metallic material contained within said last mentioned means and engaging the ends of the arms.

1,634,947. SHEET-METAL SEAM. JOSEPH A. LACHAINE, Lowell, Mass. Filed June 19, 1926. Serial No. 117,061. 4 Claims. (Cl. 189—36.)



1. A sheet metal seam comprising a flat thin plate, hook-shaped portions formed integrally with said plate, oppositely disposed hook-shaped members secured to said plate, and interlocking means slidingly engageable with said hook-shaped element to hold the same firmly together.

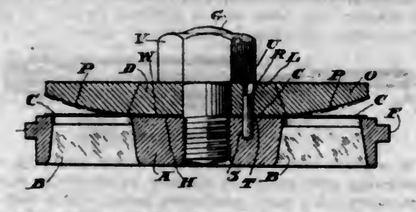
1,634,948. ATTACHMENT FOR CLUTCHES. SAMUEL B. LAMBERT, St. Louis, Mo. Filed Nov. 9, 1925. Serial No. 67,817. 2 Claims. (Cl. 192—147.)



1. In combination with a clutch having a portion capable of free rotation when said clutch is disengaged, a pivoted friction device supported by and rotatable with said freely rotatable portion, a stationary element, said pivoted friction device being thrown outwardly by centrifugal force when said clutch is disengaged and into contact with said stationary element whereby the speed of rotation of said freely rotating portion of the clutch is retarded, and means whereby said friction device is withdrawn from contact with said stationary element when the clutch is engaged, said means comprising an arm with which said pivoted friction device is caused to contact.

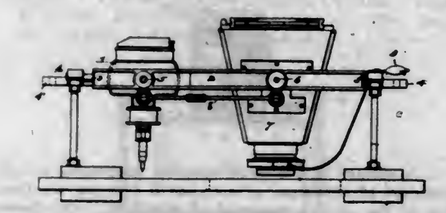
1,634,949. AIR-COMPRESSOR VALVE. JOHN LE VALLEY, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 23, 1925. Serial No. 45,449. 6 Claims. (Cl. 251—119.)

1. A valve assembly including a valve seat having radially extending ports, a valve having a central solid portion with radially extending fingers adapted to cooperate with said ports, and a stop plate for said valve having radially extending fingers adapted to clamp the valve over an area extending outwardly beyond the bases of



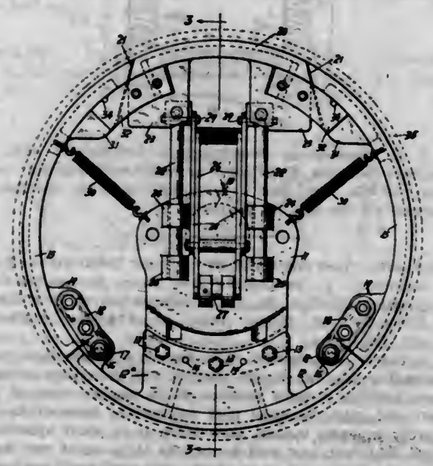
the valve fingers rigidly to the valve seat and curved on the lower faces to permit raising of the valve fingers and to limit bending thereof.

1,634,950. STABILIZER. ARSENE N. LUCIAN, Philadelphia, Pa. Filed Mar. 1, 1923. Serial No. 622,198. 5 Claims. (Cl. 74—78.)



1. A stabilizer comprising a gyroscope, an instrument carrier directly controlled by said gyroscope, an instrument seated on said carrier, and a plurality of vertical posts for supporting said instrument from beneath so that it may be lifted off the carrier without disturbing the gyroscope.

1,634,951. COLLAPSIBLE DRUM. FREEMAN D. MASON, Akron, Ohio, assignor to The Bridgewater Machine Company, Akron, Ohio, a Corporation of Ohio. Filed July 7, 1926. Serial No. 120,991. 7 Claims. (Cl. 154—9.)



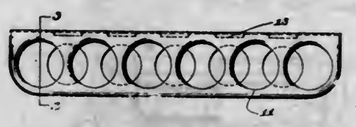
1. A collapsible drum construction for use in building tires by the flat band method, said construction including a chuck, a drum section removably secured on the chuck, drum sections hinged on the opposite ends of the first section, and a key section movably mounted on the chuck for operation between the free ends of the hinged sections, means on the chuck for moving the key section radially inwardly, and yielding means normally urging the free ends of the hinged sections inwardly, said hinged sections having cam surfaces thereon for riding on said key section.

1,634,952. SURFACING-MACHINE SPINDLE ATTACHMENT. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 7, 1924. Serial No. 730,775. 4 Claims. (Cl. 51—119.)



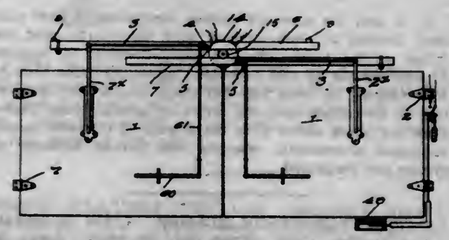
4. In a device of the character described a spindle having an elongated slot near its end, a tubular slide on the end of the spindle, a second tubular slide on the first, a pin extending thru the two slides into the elongated slot, a spring between the end of the spindle and the end of the second slide adapted to press the parts away from each other, a rotatable plate in the end of the second slide eccentrically pivoted with respect to the axis of the spindle and a bearing pin on the plate intermediate its center and edge.

1,634,953. CARTRIDGE RACK. MILO MCCUNE and CHARLES L. PAULUS, Dayton, Ohio. Filed June 9, 1923. Serial No. 644,439. 3 Claims. (Cl. 211—14.)



1. An ammunition rack comprising a back plate, an upper plate at the top of the back plate, a lower plate at the bottom of the back plate, a bottom plate, a front plate between the lower and bottom plates, and side plates interconnecting the back, upper and lower plates, all of said plates being formed of a single sheet of metal, and holes in said upper and lower plates for mounting ammunition cartridges.

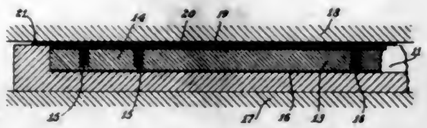
1,634,954. GARAGE-DOOR-ACTUATING MEANS. THOMAS MCINERNEY, Williamsport, Pa. Filed Nov. 5, 1925. Serial No. 67,069. 2 Claims. (Cl. 268—33.)



1. Door opening and closing means comprising rack bars connected with and adapted to transmit motion to doors, one of the said rack bars being provided with protuberances, an electric motor for actuating said bars, a

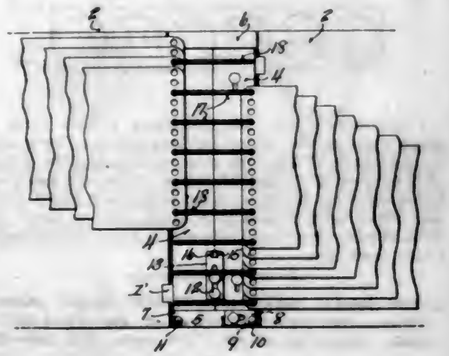
source of electric energy, jack switches arranged in a normally open circuit with the motor and source of energy and having members arranged to directly cooperate with the protuberances of said rack bar, and means for closing the circuit; the connections between the rack bars and the doors each made of an upright fixed to and spaced from the door, and a link interposed between and loosely connected to a rack bar and the upper portion of said upright.

1,634,955. METHOD OF MAKING PATTERNED RUBBER SHEETING. TOD J. MELL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 751,873. 10 Claims. (Cl. 18—61.)



1. The method of making patterned rubber sheeting which comprises forming a matrix of soft-rubber composition, filling the interstices of said matrix with a different soft-rubber composition by flowing it thereinto by pressure, and slicing the resulting structure into a plurality of sheets by cutting it throughout an extended plane passing through the two compositions, the said compositions being subjected to vulcanization before the slicing operation.

1,634,956. UNIT FOR HOLDING THE LEAVES IN VISIBLE-RECORD SYSTEMS. HENRY C. MILLER, Milwaukee, Wis.; First Wisconsin Trust Company, Milwaukee, Wis., executor of said Henry C. Miller, deceased. Filed Mar. 29, 1926. Serial No. 98,399. 5 Claims. (Cl. 129—9.)



1. A unit for a record system comprising a base plate, bars carried at each side of said base plate, said bars lying in the same plane, a double series of impaling prongs carried by and extending upwardly from each bar and adapted to form together rings continuous from one bar to the other bar, one series of prongs being shorter than the other series with the prongs of different lengths arranged alternately, whereby the breaks between the prongs are staggered.

1,634,957. ELECTRODE HOLDER. LOUIS E. MULLER, Los Angeles, Calif. Filed Oct. 26, 1925. Serial No. 64,842. 9 Claims. (Cl. 219—8.)

1. In an electrode holder of the general character described: a longitudinally extending conductive organization; a laterally apertured insulating grip member surrounding a portion thereof; and means, near one end of said grip member, for supporting the same in spaced relationship to said conductive organization,—said conductive organization comprising a central element formed



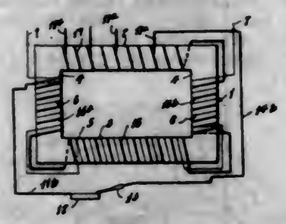
of a resilient metal and provided, within said grip, with ventilating apertures, and disposed substantially parallel with wires, of a more conductive metal, whose ends are secured thereto.

1,634,958. CLOSURE FOR LIQUID-HOLDING TANKS, VATS, AND STILLS. ALBERT H. NOYES, Chicago, Ill., assignor to Hills-McCanna Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 15, 1924. Serial No. 692,944. 4 Claims. (Cl. 220—39.)



1. A closure of the class specified comprising a body composed of aluminum bronze, and a shoe on the inner face of the closure composed of aluminum, said closure being provided with screw threads which are applied to both the body and shoe.

1,634,959. TRANSFORMER FOR ELECTRIC-ARC CUTTING, REPAIRING, AND WELDING APPARATUS. FREDERICK C. OWEN, Fayetteville, N. C. Filed Nov. 19, 1925. Serial No. 70,085. 4 Claims. (Cl. 171—119.)

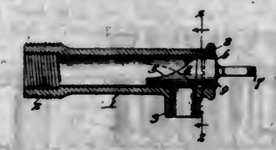


1. A transformer comprising a rectangular core, a primary winding distributed around three adjacent legs only of the core, and a secondary winding distributed around all the legs of the core.

1,634,960. BIB OR FAUCET. HENRY D. RAHLING, East Aurora, N. Y., assignor to Steel Drum Accessories Corporation, Buffalo, N. Y., a Corporation of New York. Filed May 17, 1924. Serial No. 714,020. 1 Claim. (Cl. 251—97.)

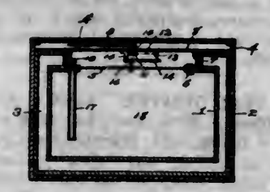
A faucet comprising a body having a longitudinal bore extending the full length thereof, the rear part of said bore forming a main passage which has an inlet at its rear end, and the front part having the form of an inwardly tapering conical seat which is in axial alinement with said rear part and having its large outer end flush with the front end of the body, and said body having a lateral outlet port extending through said seat; an inwardly tapering conical rotary plug insertable into said seat from the front end of said body and provided at its outer end with means for turning the same, and having

its periphery constructed to form a solid wall and a clearance on diametrically opposite sides thereof whereby the solid wall of the plug in one rotary position of the same will close said outlet port and the clearance of the plug in another position of the same will uncover said port; and means for preventing complete withdrawal of



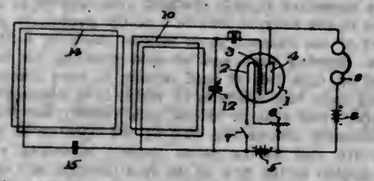
said plug but causing the same to be tightened when turned into a position for closing said outlet port and loosened when the plug is turned into a position for uncovering said outlet, said means comprising a helical groove in the periphery of the plug, and an internal projection in the body engaging with said groove.

1,634,961. PRESSURE-RESPONSIVE DEVICE. DACHE M. REEVES, Belleville, Ill. Filed Mar. 12, 1923. Serial No. 624,678. 1 Claim. (Cl. 264—1.)



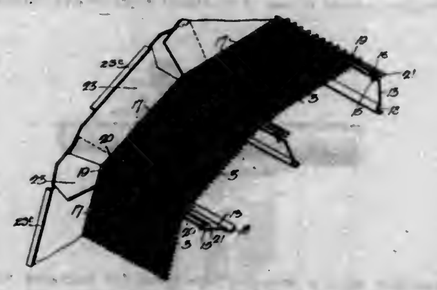
In an instrument for measuring the rate of variance in atmospheric pressure, an outer casing, a shell in the casing having an open end, a diaphragm extending across the open end of said shell forming together with the inner wall of said shell an air chamber of maximum size relative to the instrument as a whole, an air inlet in said casing for admitting air to the outer face of said diaphragm, a capillary air leak into said air chamber, an indicating arm and means between said arm and said diaphragm for transmitting the motion of said diaphragm to said arm.

1,634,962. RADIO RECEIVING SYSTEM. RUDOLPH SACHTLEBER, Brooklyn, N. Y. Filed Sept. 22, 1924. Serial No. 738,967. 1 Claim. (Cl. 250—27.)



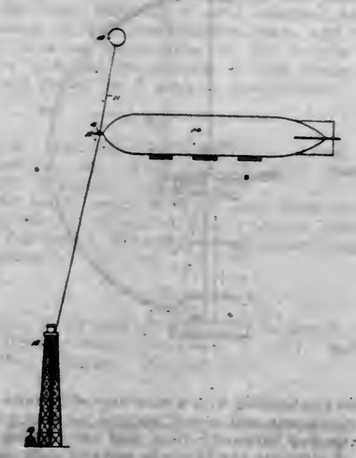
Radio receiving apparatus comprising in combination an electron tube having grid, filament and plate electrodes, an input circuit including said grid and filament electrodes, an output including said plate and filament electrodes, and a pair of radiofrequency energy collecting loops superimposed upon each other and connected directly across said input and output circuits, one of said loops having a conductor of greater length than the conductor forming the other of said loops, said conductors being positioned immediately adjacent each other throughout the length of said shorter conductor and arranged to regeneratively amplify incoming signaling energy below the point of oscillation, said conductors having adjacent ends thereof connected electrostatically.

1,634,963. SCREEN CONVEYER. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,221. 11 Claims. (Cl. 198—194.)



5. The combination in a screen conveyer, of two side chains consisting of links pivotally connected; a girt extending from one link to the other at one side of the pivot line of the links of the chain; screen sections, one end of each screen section being attached to the girt and extending beyond the girt, and the other end of the section extending short of the girt but to the pivot line of the links; and transverse pivot pins connecting the screen sections on the pivot line of the links.

1,634,964. MOORING DIRIGIBLE AIRCRAFT. JOSEPH A. STEINMETZ, Philadelphia, Pa. Filed Dec. 29, 1925. Serial No. 78,107. 4 Claims. (Cl. 244—2.)

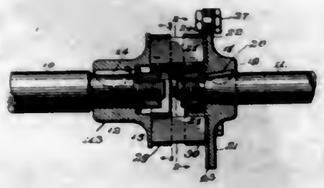


1. The method of mooring aircraft which consists in lifting a mooring line by a captive aircraft to an elevation at which a dirigible may be safely navigated, and clutching a dirigible aircraft to said cable by devices carried by said dirigible aircraft.

1,634,965. FLEXIBLE COUPLING. CHARLES F. TAYLOR, Montclair, N. J. Filed Aug. 7, 1923. Serial No. 656,195. 1 Claim. (Cl. 64—26.)

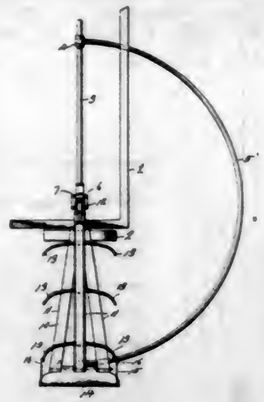
In combination, in a means for coupling two shaft members, a pair of disk-like coupling members having hub portions provided with a plurality of recesses formed therein, flexible coupling means mounted in said recesses

and forming the sole coupling means between said disk like members, and a loosely mounted metallic band concentrically surrounding said flexible coupling means to limit motion thereof radially with respect to said shaft, one of said disk-like coupling members having a plurality of apertures disposed adjacent its periphery, a disk like member secured to one of said shaft members and similarly



provided with a series of apertures for engaging with the apertured disk of said coupling member, said apertured disk members having an unequal number of apertures to provide a vernier adjustment of the initial stress on said flexible members, means for securing said disk like members in adjusted position, and means for securing the other of said coupling members to the other of said shaft members.

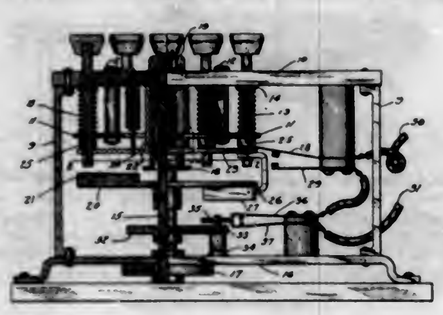
1,634,966. SHOCKER ATTACHMENT. CALVIN W. TYSON, Prairie Depot, Ohio. Filed Dec. 30, 1925. Serial No. 78,368. 2 Claims. (Cl. 56—79.)



1. The combination with a corn harvester frame corner, a wheel adjacent said corner, an axle for said wheel, an arm extending outwardly from said axle outside of the wheel, of a tiltable and arcuately movable stalk cradle, an arcuate track connected to the axle extension and arching the corner of the frame, one end of said cradle being movable on said track, a support extending to a position above the wheel, the other end of said cradle being pivotally and detachably connected to said support and movable to a position over the wheel.

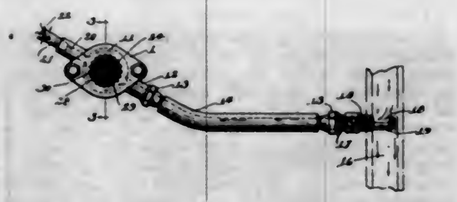
1,634,967. TRANSMITTER. RAYMOND E. VAUGHAN, Piqua, and WARREN S. D. LELAND, Dayton, Ohio. Filed Sept. 23, 1922. Serial No. 590,068. 2 Claims. (Cl. 177—380.)

1. In a transmitter, in combination, electrical connections adapted to be connected to an external circuit, a circuit breaker, for said connections, a rotatable member operably connected to said circuit breaker, a spring for rotating said member, a stop on said member, a plurality of keys adapted when pressed to be moved into the path of said stop at different points along said path,



means for normally preventing rotation of said member, two contacts in said electrical connections interconnected with said rotation preventing means for closing said contacts when any of said keys is pressed, for the purpose described.

1,634,968. FUEL HEATER. LOWELL C. WEINBERG, Seattle, Wash. Filed Dec. 15, 1924. Serial No. 756,050. 1 Claim. (Cl. 123—122.)

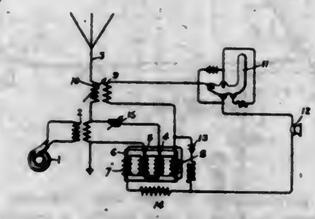


In a device for vaporizing fuel for internal combustion engines, in combination, a cored aluminum casting having a cylindrical opening therethrough, a chamber in said casting surrounding and co-axial with said opening, a pipe connected to said chamber and adapted to be connected to the exhaust manifold of the engine, to conduct a part of the exhaust gases to said chamber, a flat wire screen covering each end of said opening, an asbestos gasket on each side of said casting to heat insulate the casting from fuel conduits to which it is connected, and a copper strip bent to extend substantially one-fourth of the distance around the wall of the opening in contact therewith and having parts thereof extending radially and parallel to the flow of the fuel through said opening.

1,634,969. ESTER-RESIN COMPOSITION AND METHOD OF PREPARATION. JAMES G. E. WRIGHT, Alplaus, N. Y., and WILLARD J. BARTLETT, East Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed June 13, 1924. Serial No. 719,825. 7 Claims. (Cl. 260—8.)

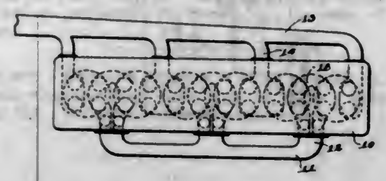
1. The method of treating a resin comprising a compound of glycerine and a polybasic acid in the fusible stage which consists in dispersing said resin in an inert fluid medium and heating the resulting dispersion to a sufficiently high temperature to partially condense said resin and then separating the resin from said medium.

1,634,970. METHOD OF AND MEANS FOR CONTROLLING ALTERNATING CURRENTS. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Nov. 20, 1914, Serial No. 873,110, Patent No. 1,522,221. Divided and this application filed May 24, 1924. Serial No. 715,723. 6 Claims. (Cl. 179—171.)



3. The method of producing a pulsating current which consists in applying to a variable resistance device from a circuit external to that in which the resistance is connected an electromotive force which varies as an inverse function of the variations in said resistance.

1,634,971. VALVE-PORT ARRANGEMENT FOR INTERNAL-COMBUSTION ENGINES. GLENN D. ANGLE, Detroit, Mich., and HAROLD E. MOREHOUSE, Dayton, Ohio. Filed Oct. 31, 1924. Serial No. 747,009. 6 Claims. (Cl. 123—52.)



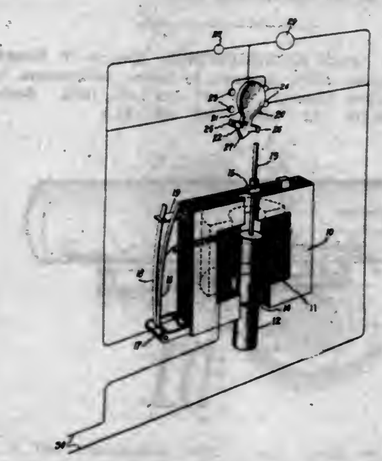
6. In an engine containing a plurality of pairs of power cylinders, a main intake manifold, passages leading from said manifold for each cylinder, each passage joining with the next adjacent passage to form a continuous circuit therewith.

1,634,972. LOCK BUTT FOR ASPHALT SHINGLES. NEWELL R. BARTLETT, Springfield, Mass. Filed Mar. 11, 1926. Serial No. 93,886. 4 Claims. (Cl. 108—7.)



3. A shingle element formed with intersecting slits at an angle to the adjacent sides of the shingle and extending past their intersecting point, whereby the material of the shingle may be bent backward parallel with the adjacent sides to form locking tongues, as described.

1,634,973. CONTROLLING DEVICE AND SYSTEM EMPLOYING THE SAME. HAROLD W. BROWN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 17, 1924. Serial No. 756,608. 12 Claims. (Cl. 200—88.)

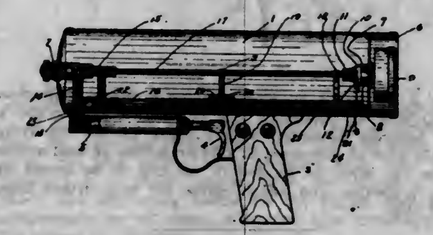


1. The combination with relatively movable members adapted to be moved into a plurality of co-operating relations, of an electromagnet having a movable magnetic member mechanically arranged for imparting relative movements to said members to bring the same into each of said relations, and a thermal responsive element for controlling the relative movements of said members to bring the same into one of said relations upon the energization of said electromagnet when said thermal element is at one temperature and into another of said relations upon the energization of said electro-magnet when said element is at a higher temperature.

1,634,974. FACIAL COMPOSITION. MAURO BUCCI, Philadelphia, Pa. Filed Aug. 21, 1925. Serial No. 51,622. 2 Claims. (Cl. 167—9.)

1. The herein described facial composition consisting of apple juice, virgin clay, denatured alcohol, lemon juice, honey and cream, triturated to emulsified composition substantially as set forth.

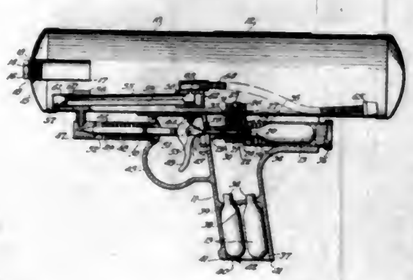
1,634,975. FIRE EXTINGUISHER. GEORGE W. BURKE, Jr., Dayton, Ohio. Filed Oct. 7, 1922. Serial No. 593,034. 1 Claim. (Cl. 299—95.)



In a fire extinguisher, a cylindrical fluid container, a discharge opening near one end thereof, a cylindrical tight fitting end piece open at the rear end for closing the rear end of the container, and having a pressure gauge enclosed therein flush with the rear end thereof, a pipe extending inwardly from the discharge opening,

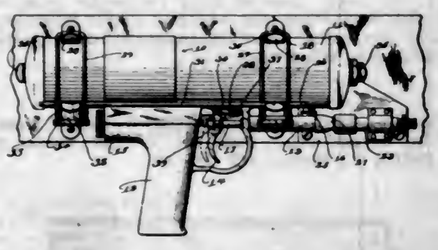
a swivel valve comprising a tube and valve closures therefor, means for mounting said tube on the pipe and end closure, a laterally extending pistol grip extending from a side of the container near the center thereof and a finger operated valve adjacent thereto for controlling the discharge of fire extinguisher fluid.

1,634,976. FIRE EXTINGUISHER. GEORGE W. BURKE, Jr., Dayton, Ohio, assignor, by mesne assignments, to Battle-Fyre Company. Filed Jan. 25, 1924. Serial No. 688,480. 12 Claims. (Cl. 169—31.)



1. In a pistol type fire extinguisher, a barrel-like container for extinguishing fluid under pressure, a controlled outlet at the forward end of said container, a feed pipe extending longitudinally within said container and communicating with said outlet at its front end and having its rear end spaced farther from the wall of the container than the front end, said pipe having a front intake and a rear intake port, interconnected valves controlling said intake ports, and a universally movable intake tube for the rear intake port of said feed pipe.

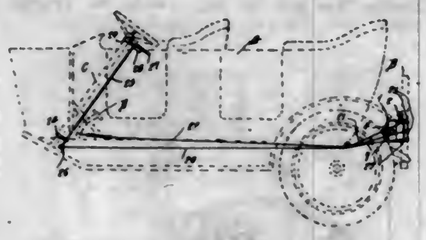
1,634,977. FIRE-EXTINGUISHING APPARATUS FOR AIRCRAFT. GEORGE W. BURKE, Jr., Dayton, Ohio. Filed July 12, 1924. Serial No. 725,595. 8 Claims. (Cl. 169—31.)



1. A holder for an article having a lateral projection, comprising an open-sided clip to embrace the article, a bar hingedly connected with a prong of the clip lying in the path of movement of said projection on said article when the latter is rotated in the clip to be moved by said projection and afford egress for said article from said clip.

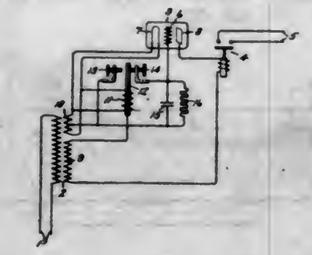
1,634,978. TRAFFIC SIGNAL FOR MOTOR VEHICLES. NEWTON M. BUTTS, Sr., Xenia, Ohio. Filed Feb. 6, 1926. Serial No. 86,512. 2 Claims. (Cl. 116—45.)

1. A traffic signal for vehicles comprising a lamp casing, a light diffusing panel in said casing, a signal casing surrounding said panel each of said panels having cut out direction indications therein, and extending outwardly of said lamp casing, shafts journaled in the side walls of the signal casing, each of said shafts carrying a direction indicating panel, means to normally hold said direction indicating panels in inoperative positions sub-



stantially perpendicular to the light diffusing panel, a pulley secured to each of said shafts, a flexible member secured to each pulley, and means engaging said flexible members to actuate the shafts and move the direction indicating panels into positions substantially parallel to the light diffusing panel.

1,634,979. CONTROL APPARATUS. EMMETT F. CARTER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 10, 1925. Serial No. 68,243. 6 Claims. (Cl. 175—320.)

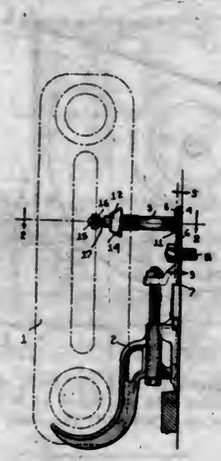


1. The combination of an electrical valve comprising a grip for controlling the transmission of current between its cathode and anode, current supply means comprising circuits for transmitting heating current to said cathode and for transmitting current between said cathode and anode, a time delay device connected between said grid and cathode, and means operable in response to energization of said supply means successively to connect said cathode to said anode through said device for storing energy in said device and to connect said cathode to said anode independently of said device through a circuit wherein the current increases at a rate dependent on the rate at which energy is dissipated from said device.

1,634,980. MANUFACTURE AND PRODUCTION OF THREADS, FILAMENTS, STRIPS, OR FILMS FROM CELLULOSE ESTERS. LOUIS CLÉMENT and CLÉRY RIVIÈRE, Pantin, France, assignors of one-half to Courtaulds Limited, London, England. Filed Nov. 17, 1924. Serial No. 750,474, and in Great Britain Jan. 5, 1924. 5 Claims. (Cl. 18—54.)

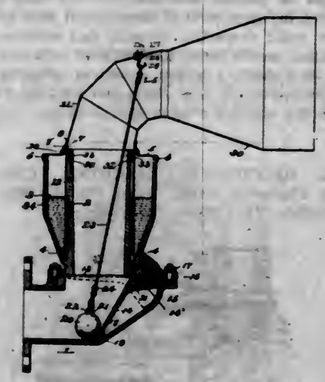
1. The manufacture of cellulosic products which comprises introducing a solution containing only cellulose ester and a solvent miscible with oil, into a setting bath comprising a saponifiable oil as the active setting agent.

1,634,981. RADIATOR HANGER. CHARLES HARRY COBB, San Francisco, Calif. Filed Aug. 18, 1925. Serial No. 50,973. 1 Claim. (Cl. 248—17.)



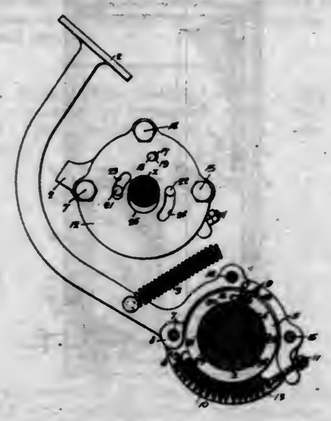
A radiator hanger comprising a lateral support consisting of a distance post provided at its outer end with radiator section engaging means, a base member having a pocket defined by a depending lip, the base member having a transversely elongated opening directly below said lip, and a flange bounding the side and bottom edges of said opening, the distance post being insertible through said opening and having a tongue engaging behind said lip, and a transverse rib bearing on the edge of said flange.

1,634,982. HANGAR FLOOR VALVE. MATT Q. CORBETT, Carnegie, Pa. Filed Apr. 11, 1923. Serial No. 631,331. 7 Claims. (Cl. 284—4.)



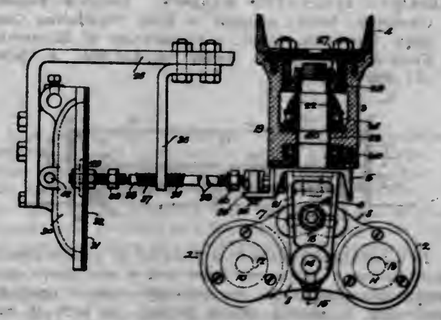
1. In combination, a lower and upper casing and a valve therebetween, said upper casing being provided with a water seal, a cap mounted on said water seal, an elbow adapted to engage said upper casing and said water seal and having a flange to engage said cap on said upper casing, said valve being normally closed when said elbow is disconnected from said upper casing.

1,634,983. CLUTCH-CONTROL DEVICE. WALTER COTTRELL, Philadelphia, Pa. Filed May 12, 1925. Serial No. 29,780. 9 Claims. (Cl. 192—99.)



1. The combination with a rock shaft, of resilient means opposing rotation of the shaft in one direction, a lever journaled on the shaft and having an operative connection with the shaft whereby the shaft may be rotated in opposition to said resilient means, and mechanism automatically operative in the normal movement of said lever to rotate the shaft to momentarily release the shaft from the lever following a predetermined movement of the shaft.

1,634,984. SHEET STRAIGHTENER. CHARLES A. DICKHAUT, Saugerties, N. Y. Filed Dec. 29, 1925. Serial No. 78,182. 26 Claims. (Cl. 271—2.6.)

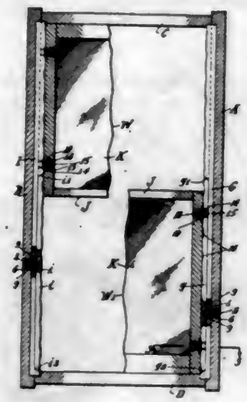


1. In a sheet straightener, the combination of two connected parallel rotatable rollers extending transversely of the direction of sheet movement and so arranged that the travelling sheet passes over one and under the other, the said rollers being arranged with their axes normally in a plane parallel with the planes of the sheet, and supporting means for the rollers permitting adjustment thereof about a pivotal axis transverse of the planes of the sheet.

1,634,985. WINDOW. HARRY DONATH, Philadelphia, Pa. Filed Mar. 2, 1926. Serial No. 91,664. 15 Claims. (Cl. 20—45.)

1. The combination with the parallel spaced jambs defining a window opening, of a runner mounted for recip-

rocatory movement on one of said jambs and comprising a rib, a window in said opening slidable on said rib,

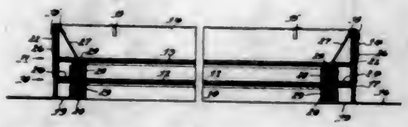


means for balancing said runner and window, and means for tilting said window and rib to an angular position with respect to said jamb.

1,634,986. PROCESS OF TREATING CELLULOSE ACETATE. EDWARD S. FARROW, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 12, 1925. Serial No. 62,214. 3 Claims. (Cl. 260—102.)

1. In the process of making acetone-soluble cellulose acetate the step of treating chloroform-soluble cellulose acetate, while in solution in acetic acid with a mixture of phosphoric acid and water.

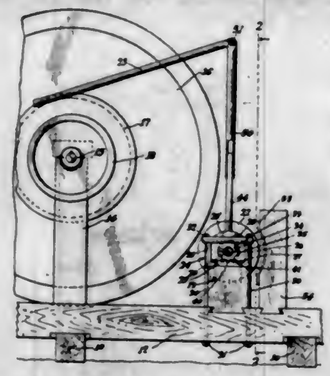
1,634,987. INSULATED WINDOW. LOUIS J. FEDDER, Owatonna, Minn., assignor to King Ventilating Company, Owatonna, Minn., a Corporation of Minnesota. Filed June 15, 1923. Serial No. 645,584. 1 Claim. (Cl. 108—16.)



In a rectangular window, a plurality of similar frames, each having a continuous inner and a continuous outer gutter extending around the four sides thereof, upwardly projecting U shaped flanges formed on each of said frames and arranged to nest one within another to mount successive panes one above another, the gutters of the upper panes being disposed to rest upon the lower panes, insulating material arranged in the inner gutters to support the panes, the outer gutters being arranged to carry off water from beneath the outer edges of the panes and means for securing the several frames one upon another and for holding the top pane in the uppermost frame.

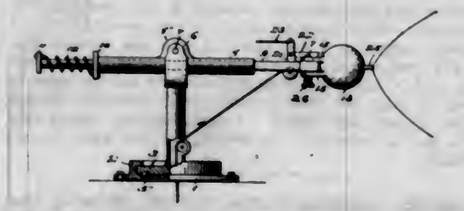
1,634,988. SAND REEL. CHARLES F. FERNALD, Los Angeles, Calif., assignor of one-half to James W. Swartzlander, Los Angeles, Calif. Filed Feb. 6, 1925. Serial No. 7,300. 1 Claim. (Cl. 308—59.)

A bearing for sand reel shafts comprising a bearing in which the shaft is rotatable, gear teeth formed upon one member of said bearing, a box having teeth provided thereon upon which said gear teeth may rest and mesh, a cap for said box for maintaining the teeth upon said



bearing in engagement with the teeth on said box, and means for rotating said bearing so as to cause it to move within said box and thus shift the shaft.

1,634,989. MOORING MAST. IRA F. FRAVEL, Washington, D. C. Filed Nov. 15, 1924. Serial No. 750,143. 4 Claims. (Cl. 244—2.)



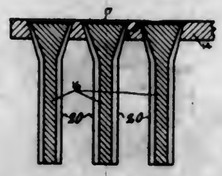
1. A rigid airship mooring mast comprising an upright capable of rotary movement within a base plate, a horizontally extending tube having a point intermediate the ends thereof attached to said upright in such a manner as to allow of pivotal movement of the tube upwardly and downwardly in a vertical plane about said upright as a pivot, a shaft extending through and slidable in said tube, resilient means interposed between adjacent ends of said tube and shaft, a hollow spherical coupling member pivotally connected to said shaft and adapted to receive and retain the coupling stud of said airship.

1,634,990. CALCULATING MACHINE. CARL M. F. FRIDEN, Piedmont, Calif. Filed Oct. 8, 1924. Serial No. 742,353. 15 Claims. (Cl. 235—82.)



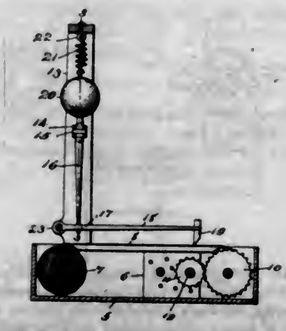
1. In a calculating machine, a rotatable calculating mechanism, a device for rotating said mechanism, means for introducing values into said mechanism, means for locking the parts of the calculating mechanism in adjusted position and means including two rotary elements having relative rotational lag for holding said locking means in engagement with said parts during the application of a rotational force to said rotating device.

1,634,991. FURNACE GRATE. JOSEPH HENRY FRYER, Toronto, Ontario, Canada. Filed Apr. 29, 1926. Serial No. 105,416. 3 Claims. (Cl. 126—152.)



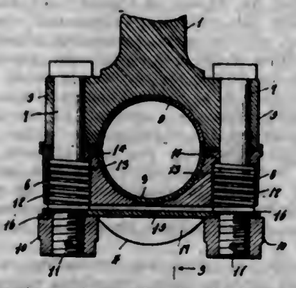
1. In a furnace grate, a bed plate having a plurality of spaced holes, and a solid metal insert removably suspended in each of said holes sized to extend below said plate and having a plurality of spaced vertically-arranged ribs in the periphery thereof forming air preheating passages to the fire-box of said furnace.

1,634,992. RECORDING ACCELEROMETER. GRANDISON GARDNER, Dayton, Ohio. Filed Mar. 29, 1923. Serial No. 628,664. 4 Claims. (Cl. 234—1.)



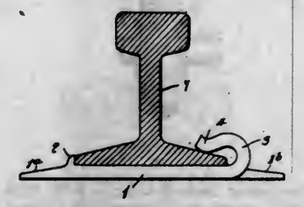
4. A recording accelerometer including a movable record strip, a frame, a stylus arm on said frame and capable of movement relative thereto, a lever pivotally carried by said frame having a weight on the upper end thereof and a connection with the stylus arm at the lower end thereof, and spring means connected to said weight and said frame for resiliently retaining said lever in one position.

1,634,993. SELF-ADJUSTING CONNECTING-ROD BEARING. MERLIN D. GREENIG, La Harpe, Ill. Filed Oct. 26, 1926. Serial No. 144,293. 1 Claim. (Cl. 308—67.)



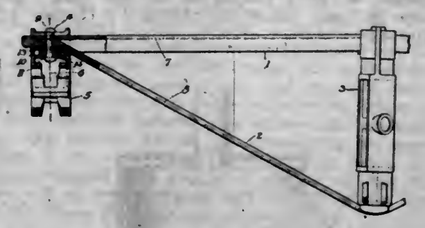
A connecting rod provided in the lower end thereof with a recess, bolts carried by the connecting rod at opposite sides of the recess, a bearing cap applied to said end of the connecting rod and provided in its upper side with a recess registering with said first named recess, the bearing cap being provided in its lower side with a recess, lugs carried by the bearing cap and apertured for the reception of the bolts, the lower portions of the lugs being counterbored, a bar mounted upon the bolts and extending through the lower recess of the bearing cap, and springs mounted upon the bolts and resting at their lower ends on the bar, the springs extending into the counterbored portions of the lugs and contacting with the bottom walls of said portions.

1,634,994. COMBINED RAIL ANCHOR AND TIE PLATE. WILLIAM P. HESTERLY, Lufkin, Tex. Filed Sept. 24, 1925. Serial No. 58,398. 1 Claim. (Cl. 238—304.)



A tie plate having a rib located inwardly beyond one side edge thereof, relatively spaced resilient jaws located at the corners and inwardly beyond the other side edge thereof, that portion of the tie plate located outwardly beyond the rib being greater in length than that portion located outwardly beyond the jaws, and said jaws being located at the ends of said latter portion and having upwardly curved inner terminals.

1,634,995. BRAKE BEAM. CHARLES F. HUNTOON, Chicago, Ill. Filed Oct. 9, 1924. Serial No. 742,585. 4 Claims. (Cl. 188—228.)



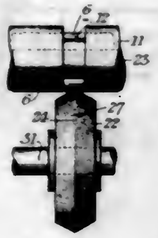
1. A brake beam comprising tension and compression members directly connected together at their ends, a brake head at the end of the beam having an opening into which said members extend, a filler block arranged at one side of said members and inserted in said opening between said members and the head, and means for locking said filler block and brake head to said members.

1,634,996. BAND PRESS FOR SHOE-SOLE PRESSES. CULLEN L. HUNTOON, Los Angeles, Calif. Filed Nov. 22, 1926. Serial No. 149,927. 8 Claims. (Cl. 12—38.)



1. A band press comprising a shank, a work mounting device attached to the shank, a web connected to the shank having a series of openings therethrough, and elastic bands in said openings, said bands being stretchable over the work mounting device.

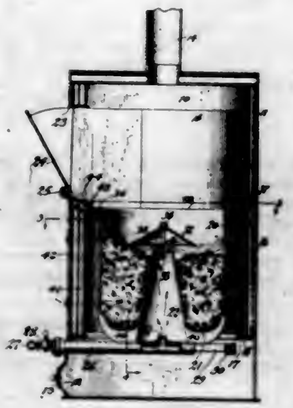
1,634,997. METHOD AND APPARATUS FOR MAKING PAPER STRIPS WITH THINNED EDGES. JOHN G. JONES, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,794. 14 Claims. (Cl. 164—61.)



1. The method of making a paper strip with a thinned edge including grinding an unsupported portion of a paper strip, the grinding being continued until the paper is severed.

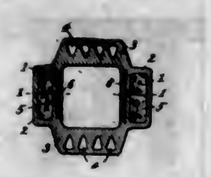
9. In a machine of the class described, a support for guiding paper past a station, said support having grooves longitudinal of the path of the paper, means for drawing a strip of paper under tension over said grooved support, and abrading means positioned to groove and sever the paper as it is held taut over the grooves.

1,634,998. INCINERATOR. EDWARD KENER, Jr., Buffalo, N. Y., assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y., a Corporation of New York. Filed July 18, 1924. Serial No. 726,730. 7 Claims. (Cl. 110—18.)



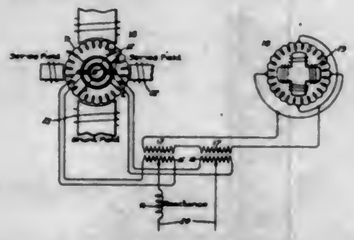
1. A refuse incinerator comprising a combustion chamber, an imperforate pot having a closed bottom and sides and an open top and pivotally mounted within said chamber so as to be capable of moving into a normal upright position in which the same receives and holds the material to be destroyed or inclined so that its top opens laterally for discharging the contents of the pot, and a burner arranged below the pot, said chamber being provided in the upper part of its enclosure with an inlet door which permits of introducing material into the pot and a discharge door in the lower part of said enclosure for permitting removal of the residue from said pot.

1,634,999. INGOT MOLD. REINHOLD CARL KRAUSE, Youngstown, Ohio. Filed Mar. 24, 1926. Serial No. 96,984. 9 Claims. (Cl. 22—139.)



1. An ingot mold having two of its opposite sides insulated against heat absorption and radiation, and the other two opposite sides provided with extended and increased heat absorbing and radiating means and surfaces.

1,635,000. CONTINUOUS-CURRENT GENERATOR. THOMAS C. LENNOX, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,491. 1 Claim. (Cl. 171—252.)

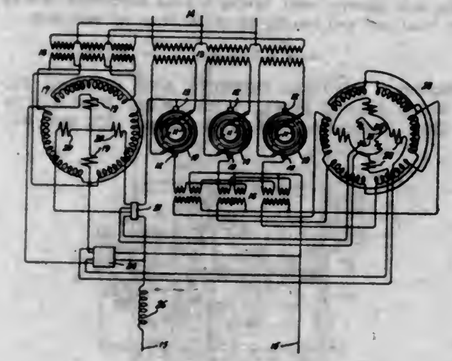


Apparatus for producing direct currents comprising a polyphase alternating current generator, mechanical rectifiers connected between the different phases of said generator and a direct current line, said rectifiers being arranged to completely open the circuit between their direct and alternating contacts at the point of reversal of the wave being rectified, an auxiliary alternating current generator driving in synchronism with said polyphase generator and rectifiers arranged and connected to oppose the voltage between rectifiers, said generator having shunt and series fields in quadrature supplied from the direct current line.

1,635,001. SYNCHRONOUS RECTIFIER. THOMAS C. LENNOX, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,492. 3 Claims. (Cl. 171—123.)

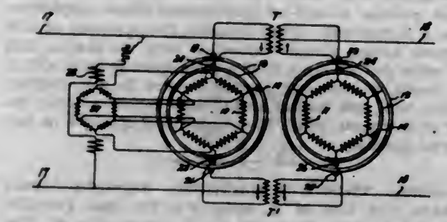
1. Apparatus for converting alternating current to direct current, or vice versa, comprising polyphase mechanical rectifiers of the open circuit type, together with an alternator for driving the rectifiers in phase with the alternating voltage to be rectified and an alternator having a frequency which is a multiple of the rectifying frequency connected for opposing the voltage between rectifiers while permitting the flow of load currents through the rectifiers, said alternators each having two sets of field windings in quadrature, one for supplying normal excitation and the other for overcoming the reactive voltage of the rectifier circuits due to load currents.

2. Apparatus for converting alternating current to direct current, or vice versa, comprising polyphase mechanical rectifying contactors each of which is arranged to be open circuited at the instant when the alternating voltage connected thereto reverses, means for driving said rectifiers in phase with such alternating voltage, an alternating current generator of double the frequency of rectification connected to oppose the voltage between rectifiers and preventing the flow of short circuit currents between rectifiers while permitting the flow of load currents through the rectifiers, said generator having two sets of field coils in quadrature, one for supply-



ing normal excitation and the other for supplying an excitation which is proportional to the load current through said rectifying apparatus.

1,635,002. CONTINUOUS-CURRENT TRANSFORMER. THOMAS C. LENNOX, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,494. 5 Claims. Cl. 171—123.)

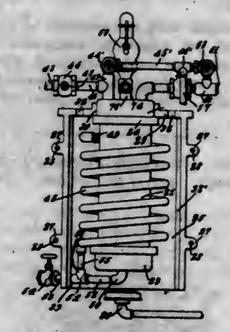


1. Apparatus for converting direct current of one voltage to direct current of a different voltage comprising a main polyphase transforming apparatus having mechanical rectifying devices associated with its primary and secondary windings such that the circuit between the cooperating rectifying contacts are completely opened at the point of reversal of the alternating current wave, a brush transformer having its primary winding connected between the primary rectifying contacts of the same polarity and its secondary winding connected between the secondary rectifying contacts of the same polarity, said brush transformer having the same ratio of transformation as the main transformer, whereby the voltage of commutation of the primary is balanced against the voltage of commutation of the secondary.

2. Apparatus for converting direct current of one voltage to direct current of another voltage comprising a main polyphase transforming apparatus arranged to be connected between direct current circuits by means of mechanical rectifying devices respectively associated with the primary and secondary windings of said main transformer, an auxiliary brush transformer having its primary winding connected across the primary rectifying contacts of one polarity, and its secondary connected across the secondary rectifying contacts of the same polarity, said brush transformer having the same ratio of transformation as the main transformer and terminals at neutral points of said brush transformer windings for connection to direct current lines of corresponding polarity.

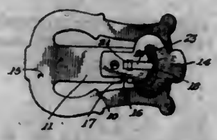
3. Apparatus as claimed in claim 2, characterized by the provision of an auxiliary synchronous alternator driven in synchronism with the rectifiers for producing the exciting current for said transformers.

1,635,003. WATER HEATER. CLAUDE LE ROY LEWIS, Omaha, Nebr., assignor of one-third to G. W. Street and one-third to John Walker, Omaha, Nebr. Filed Nov. 9, 1925. Serial No. 67,860. 9 Claims. (Cl. 122—245.)



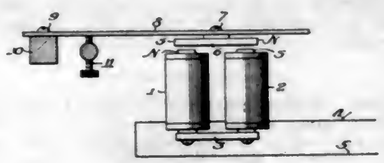
1. In a water heater for the purpose set forth, a water tank adapted to be arranged over a heating element and having a peripheral support in proximity to its upper end, a water heating coil surrounding the tank and having its upper end opening into the tank below and in proximity to said support, said coil having its lower end depending below the tank and opening into the bottom of the latter centrally thereof, and a suspended jacket enclosing and spaced from said coil, said jacket having an open lower end positioned below the bottom of the tank, and said jacket having an inwardly extending upper end abutting against and surrounding the upper portion of the tank below the top of the latter, and further engaging said peripheral support whereby the jacket will be suspended from said support and the tank extended above the upper end of the jacket.

1,635,004. REED TRIMMER. WALTER MAJESKI, Hoboken, N. J. Filed Feb. 28, 1925. Serial No. 12,805. 6 Claims. (Cl. 144—146.)



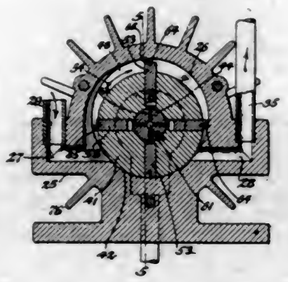
1. A clipper for trimming the ends of reeds, comprising a body portion having a cutting edge, a member movable transversely relative thereto and provided with a coacting cutting edge, said member provided with a finger piece secured to the side thereof opposite the body portion and providing an offset continuation of said member, said finger piece provided with a slot, a lever provided with an inturned end extending through the slot and spaced in advance of the cutting edge on said member to form a stop for the end of the reed to be clipped, a strap for rockably mounting the lever in position on the finger piece to permit said stop to be removed from its position in advance of the cutting edges when the member is advanced towards the body portion.

1,635,005. SLOW MAGNET. NILS E. NORSTROM, Chicago, Ill. Filed Dec. 16, 1926. Serial No. 155,152. 1 Claim. (Cl. 175—336.)



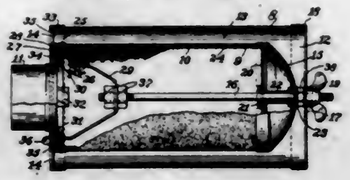
A magnet provided with connections to a source of alternating current, an armature composed of hardened steel, and an armature lever arranged to support the armature so that both ends thereof approach and recede simultaneously with respect to the poles of the magnet.

1,635,006. PUMP. WILLIAM OLIVER, Lockport, N. Y. Filed Oct. 7, 1925. Serial No. 61,099. 3 Claims. (Cl. 230—152.)



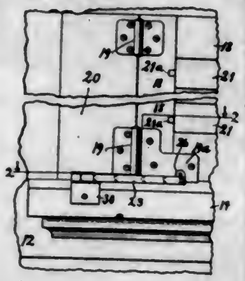
1. In a refrigerating apparatus, a compressor pump provided with a cylinder having an inlet and an outlet, a rotor arranged within said cylinder and provided with a plurality of radial pockets, and a plurality of piston blades one slidable radially in each of said pockets and each having its outer end engaging the bore of said cylinder and having its outer front corner removed to form a liquid film receiving pocket between the outer front part of the respective blade and the bore of said cylinder.

1,635,007. AIR CLEANER FOR AUTOMOBILES AND THE LIKE. FREDERICK STRATTNER OREM, Baltimore, Md. Filed Feb. 6, 1926. Serial No. 86,532. 3 Claims. (Cl. 183—73.)



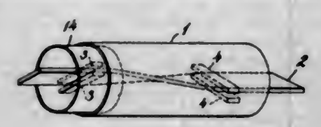
1. An air cleaner for automobile engines comprising an outer imperforate casing open to the atmosphere at its opposite ends, an air filtering unit within said casing with a space between it and said casing and surrounding the filtering unit, said space providing a conduit for a current of air passed through the open ended casing, whereby said current of air will contact with the filtering unit longitudinally thereof to clear it of dust particles, said filtering unit having a head completely closing its front end and having an outlet from its rear end.

1,635,008. SHUTTER OPENING AND CLOSING DEVICE. JOHN C. PORTZ, St. Paul, Minn. Filed Apr. 28, 1926. Serial No. 105,148. 2 Claims. (Cl. 268—93.)



1. The combination with a house wall and a window frame therein and window sashes in the frame and a shutter hinged to fold toward the outside of the wall when opened, of a shutter opening and closing device comprising an actuating rod slidable through an aperture in the wall below the window sill and having its outer portion formed of knee-jointed links adapted to form a horizontally curved segment, the outer end of said segment having pivotal connection with the shutter and the other end having a handle piece operable from within the house, a channeled bracket secured in the aperture in the wall and having anti-friction rollers guiding the rod at the point where it changes from straight to segmental position.

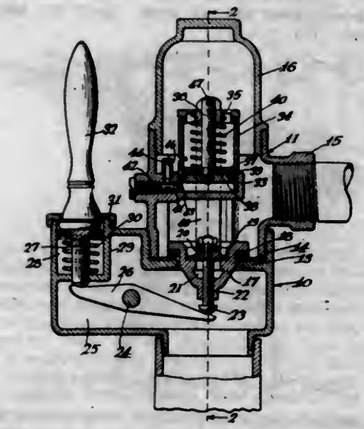
1,635,009. TWISTING MACHINE. SYLVANUS ALBERT REED, New York, N. Y., assignor to The Reed Propeller Co., Inc., New York, N. Y., a Corporation of New York. Filed June 9, 1925, Serial No. 35,947, and in France Oct. 15, 1924. 9 Claims. (Cl. 153—78.)



1. In a machine for twisting metal plates and other objects, holding means for engaging the work at spaced points, and tubular connections between said holding means constructed and arranged so that torque stress is transmitted from one to the other of said holding means and thence to the work.

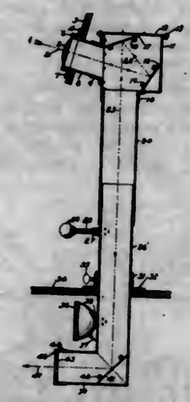
1,635,010. FLUSH VALVE. ELIAS B. ROSE, Los Angeles, Calif. Filed Mar. 4, 1926. Serial No. 92,262. 4 Claims. (Cl. 137—93.)

1. A flush valve comprising a body formed of upper and lower sections, the lower section having an outlet and a valve seat therein, a closure adapted to seat thereon, means for unseating the closure associated with the lower section, the upper section having a lateral inlet and being adjustable upon the lower section, whereby the position of the inlet with respect to said means may be varied, and a dashpot mounted in the upper section,



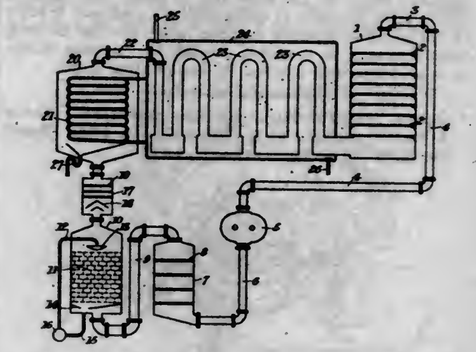
the piston of which is connected by means of a swiveled connection to the valve closure so as to be operable thereby.

1,635,011. VEHICLE PERISCOPE. LUTHER SADLER, Los Angeles, Calif. Filed Oct. 15, 1925. Serial No. 62,541. 2 Claims. (Cl. 88—1.)



1. In a vehicle having a floor and a dash, an eyepiece tube mounted horizontally in said dash, an eyepiece mounted in said tube and disposed on one side of said dash, a mirror chamber communicating with said tube and disposed on the other side of said dash, a plurality of mirrors in said mirror chamber, a vertical tube communicating with said mirror chamber and extending below said floor, said vertical tube being provided with a telescopic joint, a mirror in the lower end of said vertical tube, a horizontal objective tube communicating with said vertical tube at the lower end thereof, an objective disposed in said objective tube, a spot light mounted on said objective tube, and a handle for directing said objective and said spot light.

1,635,012. PROCESS OF DRYING ALKALI CELLULOSE. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 24, 1921. Serial No. 472,295. 2 Claims. (Cl. 34—24.)

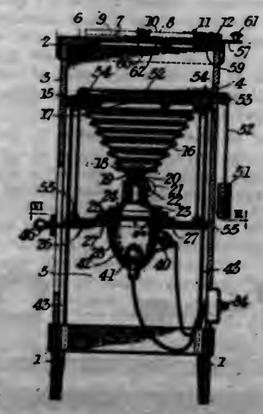


1. The process of drying alkali cellulose for making haze-free cellulose ether containing an excess of water, which comprises the steps of lowering the water vapor in air containing carbon dioxide, removing said carbon dioxide and then passing said air into contact with said alkali cellulose.

1,635,013. PROCESS FOR REDUCING THE VISCOSITY CHARACTERISTICS OF CELLULOSE ETHERS. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 16, 1925. Serial No. 75,889. 2 Claims. (Cl. 260—152.)

1. The process of reducing the viscosity characteristics of cellulose ether, which comprises bringing said ether into solid colloidized form with a greater acidity than pH5, and heating said ether while in said form at a temperature between 50° C. and its decomposition temperature until its viscosity characteristics are lowered.

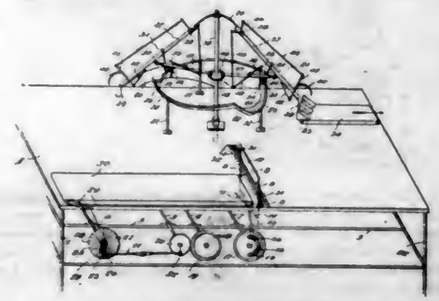
1,635,014. PHOTOGRAPHIC-PRINTING MACHINE. GEORGE A. SMITH, Baltimore, Md., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 2, 1924. Serial No. 753,510. 13 Claims. (Cl. 88—24.)



1. In a printing machine, the combination with a panel adapted to support a negative and a sheet of sensitised material, of a source of light spaced from the panel and an objective between the light source and the panel, and

means for controlling the light rays projected by the panel including a masking device, a slideway carried by the printer for the masking device, a plurality of stops at fixed predetermined positions along the slideway, a plurality of contacts on the masking device adapted to engage the stops on the slide and to locate the masking device in a plurality of predetermined positions relative to the objective whereby printing light rays and masking light rays may be projected through the masking device in a predetermined relation by the printing panel.

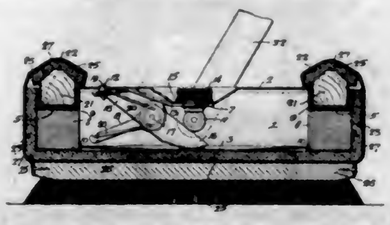
1,635,015. CONFECTION-COATING MACHINE. LOUIS A. SMITH, Auburn, N. Y. Filed Feb. 10, 1925. Serial No. 8,264. 6 Claims. (Cl. 91—4.)



1. A machine of the class described comprising a conveyor to support an edible body, means for intermittently driving said conveyor to advance the body, a transverse cutter at the end of said conveyor and means for operating said cutter after each advancement of the block to cut a slice from the latter, a second and transverse conveyor for receiving the slices and delivering them at a predetermined point, and means movable by said point for receiving the slices from said second conveyor, dipping them in a coating fluid held in a pan and discharging the coated slices.

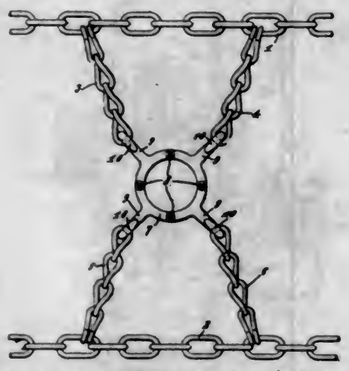
6. A machine of the class described comprising a rotary upright shaft, an inclined arm pivoted at its upper end to said shaft and carrying relatively movable jaws at its lower end, a second arm pivoted to the shaft and having a roller upon which the first named arm rests, said second named arm also having a transverse roller, an annular stationary track upon which the second roller rests, said track having cam means for effecting lowering and raising of the second arm at one point and similar movements thereof at another point, a vertically movable jaw-controlling member mounted on said second arm, connecting means between said controlling member and at least one of the aforesaid jaws, and a stationary track in the downward path of said controlling member adjacent the aforesaid other point for operating said member to open the jaws.

1,635,016. FLOOR POLISHER. ALOIS F. STEIERT and OSCAR W. LINKE, Philadelphia, Pa. Filed June 2, 1925. Serial No. 34,317. 12 Claims. (Cl. 91—39.)



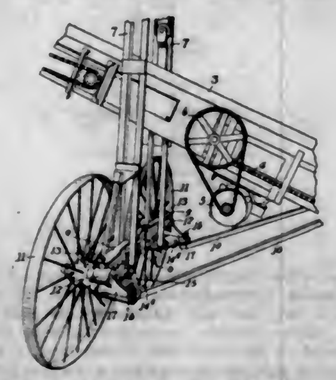
7. A polishing device comprising a casing adapted to hold a polishing medium and having discharge means for said medium, surface-treating elements detachably secured to one side of said casing, and a surface-treating element secured on the other side of said casing solely by means of said detachable elements.

1,635,017. ANTISKID DEVICE. APSALON A. SUNDS, Ute, Iowa. Filed Apr. 21, 1926. Serial No. 103,538. 1 Claim. (Cl. 152—14.)



An anti-skid device comprising a body portion in the form of an annulus of cylindrical cross section, a series of spaced, tapered calks formed integral with and disposed at right angles to the outer face of said annulus, and a series of radially disposed coupling members formed integral with the outer side edge of said annulus and of cylindrical cross section, each of said coupling members having the outer portion thereof inturned upon itself to provide a bill spaced from and arranged exteriorly of the outer side edge of said annulus, said coupling members providing means for connecting said body portion with a series of tread chain elements to position the body portion centrally of the tread of a tire, said coupling members alternately disposed with respect to said calks and arranged in pairs, the coupling members of each pair being oppositely disposed with respect to each other and extending in the same plane.

1,635,018. TRUCK. HENRY B. WALKER, Marion, Ohio, assignor to The Fairfield Engineering Company, Marion, Ohio, a Corporation of Ohio. Filed Apr. 21, 1926. Serial No. 103,465. 1 Claim. (Cl. 280—80.)



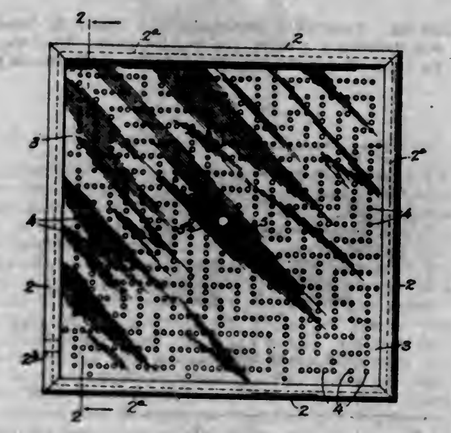
The combination with a truck bolster, of a channel iron having its web vertically disposed, and one flange of materially greater width than the other flange, a spindle disposed between the flanges and pivotally connected thereto, an axle connected to the spindle, a radially extending projection on the spindle, and means for detachably connecting said projection to said wider flange at a plurality of arcuately spaced points.

1,635,019. GANG DISK PLOW. STOKELY D. WALTON, Imperial, Calif. Filed Dec. 10, 1925. Serial No. 74,495. 1 Claim. (Cl. 97—53.)



In a disk plow, a support, external sleeve-like hangers vertically disposed and adjustably secured at intervals to the support, ground working elements, standards for said elements and rotatable in the hangers, adjustable means on the standards to sustain the same in selected vertical adjustment, arms on the standards and each having a fork, a bracket on the support beyond the standards, a link pivoted in the forks and having a spring at one end connected to the bracket, and means at the end of the link opposite the spring for moving said link against the resistance of said spring to turn the standards.

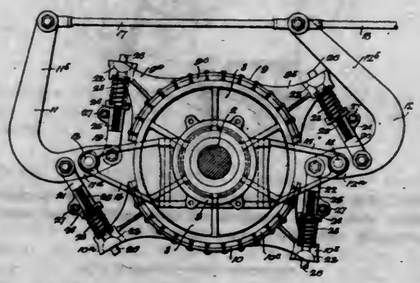
1,635,020. GAME APPARATUS. CLYDE H. WILKINS, Lyndon, Ill. Filed May 1, 1926. Serial No. 106,040. 3 Claims. (Cl. 273—109.)



1. A game apparatus, comprising a casing having an opening in its side, a transparent closure for the casing having an opening therein; and a plurality of studs in said casing arranged in rows at angles to each other, the studs in each row being normally spaced relatively close together, and some of the studs being omitted to permit access from one row to another; whereby at least one continuous open passage will be provided from the opening in the closure to the opening in the side of the casing.

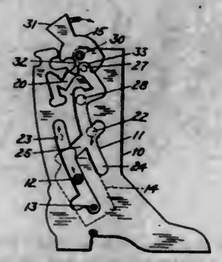
1,635,021. BRAKE. WALTER S. ADAMS, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 3, 1925. Serial No. 41,288. 2 Claims. (Cl. 188—75.)

1. The combination in a brake mechanism of a rotatable brake drum, two operating levers respectively mounted for movement about two fixed axes at opposite sides of the axis of the drum, means for moving the two levers in unison, two brake shoes adapted to engage the drum at opposite sides thereof and midway between the two pivotal axes, a pair of links having ball-and-socket connections with the respective ends of one shoe and also having pivotal connections with the respective operating levers at the same sides of the pivotal axes thereof, and a second pair of links having ball-and-socket con-



nections with the respective ends of the other shoe and also having pivotal connections and the respective operating levers at the same sides of the pivotal axes thereof and opposite to the points of connection of the first said links, each of the said links comprising male and female members threaded together with a ball element formed on the male member and with the said male member provided with a projection beyond the ball element whereby the said member may be turned.

1,635,022. PUZZLE. JOHN S. ALLEN, Worcester, Mass. Filed Jan. 25, 1927. Serial No. 163,532. 2 Claims. (Cl. 273—153.)

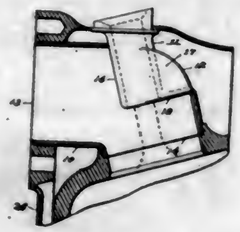


1. A puzzle comprising a plate having a tortuous passage provided with a constricted portion, a rider having pins of different sizes, one of which will and another which will not pass through the constricted portion, and a swinging gate having a recess arranged to cooperate with an enlarged portion of the passage which is so constructed that a pin of the rider may engage therein and be swung to a position outside of the gate, said parts being so arranged that the smaller pin must pass into the constricted portion of the passage before the other pin can be carried outwardly by the gate.

1,635,023. ENGINE-CYLINDER VALVE PORT AND STEM-GUIDE STRUCTURE. GLENN D. ANGLE, Dayton, Ohio. Filed Dec. 30, 1920. Serial No. 434,132. 4 Claims. (Cl. 123—17.)

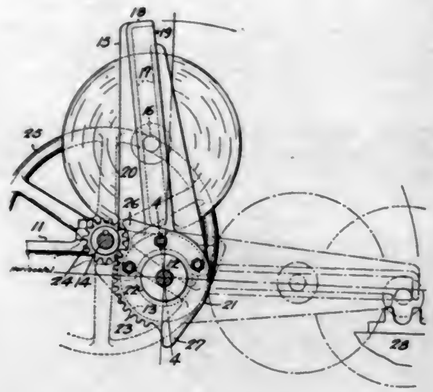
1. An engine cylinder valve port and stem guide structure, comprising a tubular main body having a radius bend and a reception orifice in the outer wall of such bend, a valve stem guide formed separately from said

main body and having a water receiving and cooling pocket cast integral therewith, said guide being inserted through said orifice and permanently attached to said



main body in such a manner that the water pocket is wholly within the confines of said radius bend and in conformity with the contour thereof.

1,635,024. CLOTH-ROLL MOUNTING FOR LOOMS. WILLIAM H. BAKER, Montreal, Quebec, Canada. Filed Jan. 15, 1923. Serial No. 612,809. 10 Claims. (Cl. 139—308.)



1. In a loom, a frame, a sand roll rotatably mounted on said frame, a cloth roll core and guides for the ends of said core pivotally supported to swing about the axis of the sand roll with the periphery of the cloth roll continuously in contact with that of the sand roll.

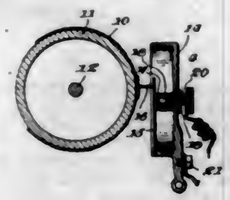
1,635,025. QUENCHING FLUID. GUY M. BALL, Dayton, Ohio. Filed July 25, 1924. Serial No. 728,185. Renewed Dec. 9, 1926. 5 Claims. (Cl. 148—18.)

4. A quenching solution for hardening ferrous metals, consisting of the following ingredients in the approximate ratio named: sodium chloride, 2 lbs.; potassium cyanide, ¼ lb.; borax, 1 lb.; water, 1 gal.

1,635,026. CELLULOSE ACETATE AND PROCESS OF MAKING THE SAME. RICHARD BAYBUTT and EDWARD S. FARROW, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 20, 1926. Serial No. 123,791. 9 Claims. (Cl. 260—102.)

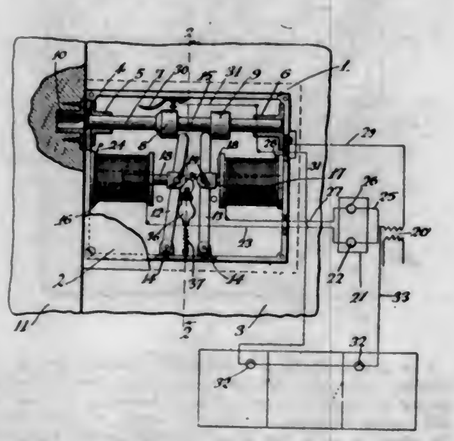
1. In the process of manufacturing acetone-soluble cellulose acetate, hydrolyzing chloroform-soluble cellulose acetate powder, the sizes of the particles of which are at most of the order of 1/300th of an inch, said particles containing penetrant material, said hydrolysis being carried out in an aqueous solution of an acid until said powder becomes soluble in acetone.

1,635,027. METHOD AND MEANS OF TRANSMITTING PICTURES. EDOUARD BELIN, Paris, France. Filed Feb. 9, 1925. Serial No. 8,022. 2 Claims. (Cl. 178—7.)



1. Means for modulating a current with non-oscillatory variations comprising a variable resistance of the carbon button microphone type having a stationary button and a pressure button in engagement therewith carried by an aperiodic support responsive to the modulations to be impressed.

1,635,028. ELECTRIC DOOR LOCK. HARRY B. BURR and MEDFORD A. GRIEVE, Los Angeles, Calif. Filed May 10, 1926. Serial No. 108,035. 3 Claims. (Cl. 70—50.)



1. An electric door lock comprising in combination a housing having a slidable bolt, a pair of spaced shoulders on the bolt, a pair of levers pivotally mounted in the housing, having their free ends adapted to engage the said shoulders, electro-magnetic devices operatively connected to each of the levers, a circuit for each device having a separate switch, one of said devices actuating its lever to slide the bolt to lock a door or the like, and the other to retract the bolt, each of said devices causing a movement by means of the shoulders on the bolt of the other lever.

1,635,029. FILM CUT-OUT. HENRY E. BUTLER, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1926. Serial No. 157,215. 3 Claims. (Cl. 200—118.)



1. A film cutout comprising metal plates united by an adhesive and provided with an insulating film between them, the adhesive and film, being separate from each other.

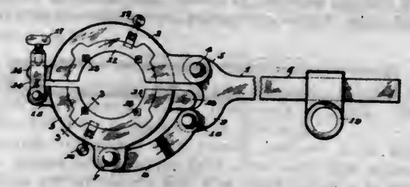
1,635,030. FOLDABLE EASEL MOUNT. JAMES A. CAMERON, Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 757,051. 1 Claim. (Cl. 40—150.)



A foldable easel mount for pictures comprising a picture-receiving panel having a front wall and a rear wall, said panel being provided with two side wings adapted to be swung into folded position against the rear face of the panel and to be swung into easel-supporting position at an acute angle to the rear face of said panel, the material at the joints between the panel and wings being flexed to normally spring the wings toward and adjacent said rear face of the panel and toward and adjacent the hereinafter mentioned shouldered tongue, said rear wall being provided with a shouldered tongue of springy material adapted to swing against the rear face of the panel into folded position, and to swing about a fixed upper horizontal fold to bring its shoulders into engagement with the free edges of said wings and retain them in easel-supporting position, the spring of the material at said fold tending to move said tongue downward toward its said folded position and forcibly retain said shoulders against said edges of the wings, said tongues and said wings having smooth inclined cam edges, whereby said easel mount may be changed from folded to easel position by merely swinging up said tongue beyond its easel position and releasing it, said smooth inclined cam edges sliding over each other to cam the wings apart until the parts reach easel position, said tongues having shoulders to limit said sliding when the easel position is reached.

1,635,031. GO-AROUND TONGS FOR DRILLING MACHINES. JOHN W. CHAMPION, Corsicana, Tex. Filed Sept. 29, 1925. Serial No. 59,311. 4 Claims. (Cl. 81—66.)

1. A pipe wrench including a pair of independent substantially semicircular jaws, an arm to which one of said jaws is directly pivoted, a link pivotally connected to the other jaw and to the arm, means for detachably connecting the ends of said jaws remote from said arm, and

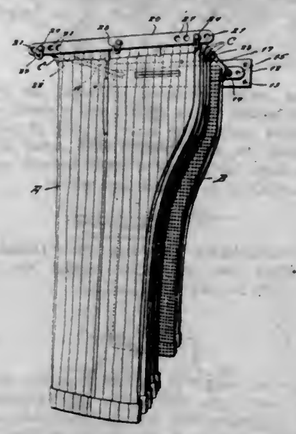


cooperating means on said arm and one of said jaws to cause the jaws to grip a pipe as the arm is moved laterally.

1,635,032. BRAILLE MATRIX. NANCY D'WOLF CLARK, Glen Head, and ALMA B. ARMSTRONG, New York, N. Y., assignors to The American National Red Cross, a Corporation. Original application filed Dec. 24, 1925. Serial No. 77,616. Divided and this application filed Apr. 15, 1926. Serial No. 102,334. 1 Claim. (Cl. 101—28.)

A Braille matrix for embossing paper, comprising an embossed sheet of oiled bond paper provided on its rear face with a layer of glue and dental plaster filling the embossings to thereby reinforce them and a coating of shellac covering and protecting the exposed face of the reinforcing layer.

1,635,033. TROUSERS HANGER. MONROE S. CLAWSON, Montclair, N. J. Filed May 23, 1925. Serial No. 32,428. 10 Claims. (Cl. 211—17.)



1. A garment hanger comprising a relatively stationary member including a plurality of spaced horizontally extending supporting elements, and a second member including horizontal supporting elements telescopically engaged with the first named supporting elements, all of said supporting elements being adapted for insertion through the belt straps at the front and rear of trousers for effecting suspension thereof and maintaining them taut at the waists thereof.

1,635,034. LEVEL. LEWIS E. CORYELL, Portland, Oreg. Filed Sept. 22, 1926. Serial No. 136,935. 1 Claim. (Cl. 33—209.)

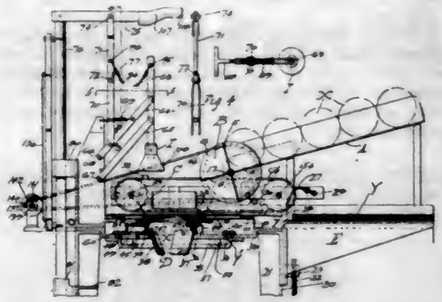
A level having, in combination, a longitudinal split frame having a groove formed between the parts thereof, said groove having the side portions of each end thereof

partially closed; a transparent closed tube member, the ends of which are closed to said partially closed frame ends, said transparent tube member having a colored liquid therein sufficient to extend approximately midway in the ends of said rectanguler frame when horizontally



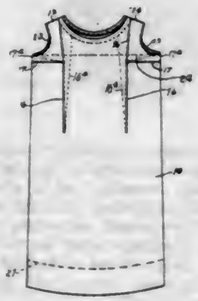
placed in a vertical plane; and means for pivotally mounting said level on a fixed support, said means consisting of a base having a V slot formed in the bottom thereof for engaging the under side of a nail-head, said base having upwardly and inwardly turned sides adapted to slidably engage the lower edge of said straight edge.

1,635,035. MACHINE FOR WRAPPING FRUIT AND OTHER ARTICLES. RAYMOND A. DICKINSON, Appleton, N. Y. Filed Feb. 20, 1926. Serial No. 89,787. 43 Claims. (Cl. 93—5.)



28. In an article wrapping machine, the combination of a rotary holder for an article and a sheet of material to be wrapped around the same, a pair of reciprocatory plates adapted to move toward each other to twist together the edge portions of a sheet around said article, and a cam adapted to actuate said plates.

1,635,036. GARMENT. MARTHA FERN DODGE, Winfield, Kans. Filed Mar. 30, 1925. Serial No. 19,425. 5 Claims. (Cl. 2—73.)



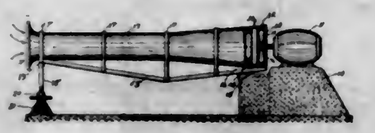
1. An undergarment having a front length of a width which will extend past the sides of the wearer and a back width filling the space between the edges of the front width, horizontally disposed darts below the arms location of the garment, and vertically disposed darts at the sides of the garment in the front tapering from the shoulders to the waistline portion of the garment.

1,635,037. MEANS FOR AGITATING AND STIRRING MOLTEN METAL IN OPEN-HEARTH AND LIKE FURNACES. JOHN EDWARDS, Swansea, England. Filed May 7, 1926, Serial No. 107,393, and in Great Britain Sept. 28, 1925. 6 Claims. (Cl. 259—144.)



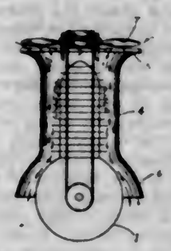
1. A device for agitating molten metal in an open hearth furnace comprising a shaft, agitating means carried by said shaft, means for rotating said shaft, means for tilting said shaft, and means for longitudinally advancing and retracting said shaft.

1,635,038. WIND TUNNEL FOR FLIGHT OF MODELS. ELISHA N. FALES, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,366. 10 Claims. (Cl. 35—12.)



1. In combination a pivoted wind tunnel for the aerodynamic testing of freely suspended aerial models, and means for adjusting the angular position thereof.

1,635,039. MEANS FOR COOLING HEATED SURFACES. ELISHA N. FALES, Lake Forest, Ill. Filed Mar. 21, 1923. Serial No. 626,548. 1 Claim. (Cl. 123—171.)



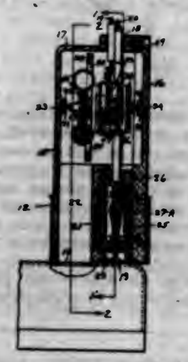
Cooling means for the cylinders of an internal combustion engine including a plurality of cooling flanges on the cylinders interposed with each other said flanges having uniformly increasing and decreasing diameters and an air confining jacket surrounding the cylinders and spaced therefrom, and having entrance and exit passages located to cause a turbulent air current past the cylinders by contact with the flanges of different sizes at right angles thereto.

1,635,040. FLOWMETER. ELISHA N. FALES, Lake Forest, Ill. Filed June 9, 1923. Serial No. 644,516. 5 Claims. (Cl. 73—167.)



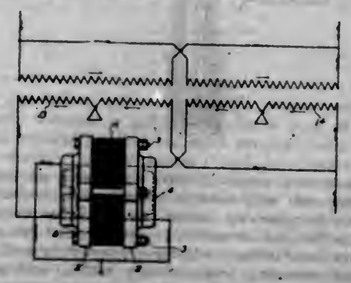
1. A flowmeter comprising a fluid passage having normally a Venturi shape and having a yielding wall permitting collapse of the passage as the flow increases.

1,635,041. CONTROL FOR ELECTRIC FLATIRONS. JOHN HARPER, Portland, Oreg. Filed Apr. 29, 1925. Serial No. 26,643. 4 Claims. (Cl. 200—140.)



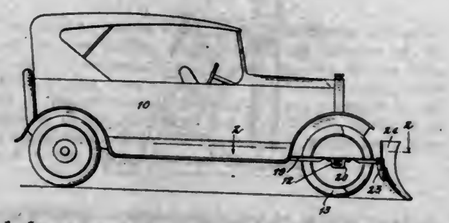
1. A temperature controlled switch having a casing a rotatable disk mounted in said casing; a mercury reservoir bulb mounted on said disk below its center of rotation; an overflow bulb above said reservoir bulb; a tube connecting said reservoir and overflow bulb; a mercury containing contact chamber on said disks; a pair of spaced electrodes normally touching the mercury in said container; and means for unbalancing said disk in a manner to raise one of said electrodes out of said mercury.

1,635,042. REACTOR. JOSEPH S. HEBREW, Masury, Ohio, and EDWARD E. ROAS, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 11, 1925. Serial No. 29,287. 9 Claims. (Cl. 175—356.)



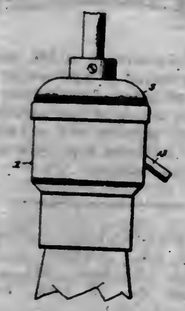
1. In an electrical reactor, a plurality of laminations, a pair of end frames, means for clamping the end frames and laminations together, a bushing having a plurality of straight passageways extending longitudinally of the reactor, and electrical conductors constituting portions of electrical circuits in said passageways whereby the current traversing one of the conductors influences the value of the current traversing the other conductor or conductors.

1,635,043. AUTOMOBILE SNOWPLOW. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed Aug. 5, 1926. Serial No. 127,337. 3 Claims. (Cl. 37—42.)



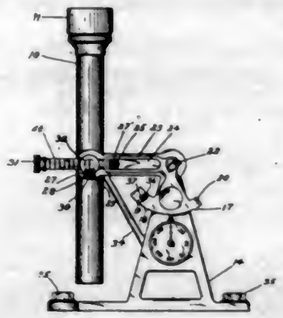
1. In an automobile, the combination with its truck frame including a crossbar, a bar having curved outer ends attached to said crossbar intermediate its ends, side bars having curved inner ends attached to the curved ends of said first named bar, brackets for securing said bars intermediate their ends to the front axle of a car, a front crossbar, and a plurality of snow removing implements attached to said front crossbar in front of the car wheels.

1,635,044. ELECTRIC SWITCH. WILLIAM ILB, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 20, 1925. Serial No. 31,649. 1 Claim. (Cl. 173—346.)



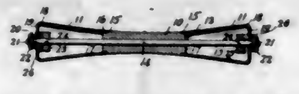
An electric switch including a bracket having spaced vertical sides provided with upper and lower relatively narrow arms arranged in pairs and extending from the sides of the bracket in the planes of the said sides and curved downwardly and upwardly respectively toward each other and provided at their extremities with outwardly extending laterally projecting lugs and having at their bases inwardly extending laterally projecting lugs located in the crotches formed by the arms and the sides of the bracket, an operating lever pivotally mounted within the bracket and having spaced sides adjacent the sides of the bracket and arranged to swing between and have their movement limited by the laterally projecting lugs at the bases of the arms, a yoke pivotally mounted on the sides of the bracket at the outer faces thereof and arranged to swing between and have its upward and downward movement limited by the outwardly extending laterally projecting lugs, a rocking plate mounted between the sides of the operating lever, a pin mounted at its terminals on the yoke and the said plate, and a coiled spring disposed on the pin and interposed between the yoke and the plate.

1,635,045. GROUND-SPEED INDICATOR. ROBERT KAUCH, Dayton, Ohio. Filed Oct. 31, 1922. Serial No. 598,154. 6 Claims. (Cl. 33—46.5.)



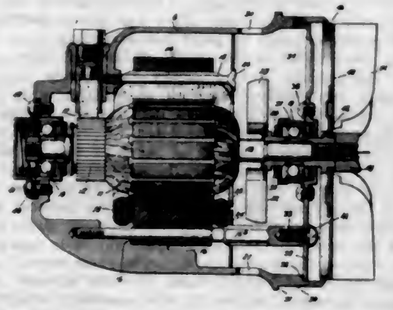
1. An apparatus of the class described, comprising a pivoted sighting member, a stop watch mechanism, a lever pivoted adjacent thereto and having means for starting and stopping said mechanism, and a link carried by said sighting member for movement therewith and having a pivoted sliding connection with said lever whereby a setting for altitude may be effected.

1,635,046. HAIR CURLER. JACOB KREISBERG, New York, N. Y. Filed Feb. 16, 1927. Serial No. 168,484. 15 Claims. (Cl. 132—34.)



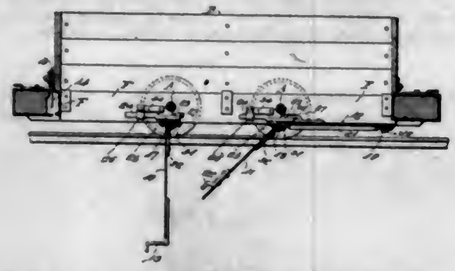
1. In a hair curling stick, a middle section adapted to have the ends of a strand of hair wound thereabout, and to receive the middle hairs of the strand on the rotation of said section, and a pair of end sections, each adapted to have the outside hairs of the strand wound thereon and each mounted coaxially with, and for rotation relatively to said middle section.

1,635,047. DYNAMO-ELECTRIC MACHINE. HENRY T. LANG, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Co., Inc., Cleveland, Ohio, a Corporation of New York. Filed Mar. 10, 1925. Serial No. 14,358. 6 Claims. (Cl. 172—36.)



1. In a dynamo-electric machine, the combination of an armature, a shaft therefor, bearings for the shaft, a field magnet structure which encloses the armature, a casing for the armature and magnet and on which the latter is supported, a thin metal disk member which is seated on the casing at one end thereof, carries one of the shaft bearings and serves to separate the machine parts from the device cooperating therewith, and means for anchoring said member in place and also for preventing the central portion thereof from vibrating.

1,635,048. DROP-BOTTOM MINE CAR. SAM H. MCCRARY, Knoxville, Tenn., assignor of one-half to William A. Fowler, Knoxville, Tenn. Filed Nov. 22, 1926. Serial No. 150,029. 4 Claims. (Cl. 105—364.)



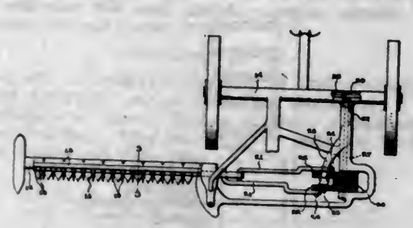
2. In a car whose bottom embodies a downwardly swingable section, a transverse shaft extending across the car body at one end of said section, a pair of pinions mounted on said shaft and having integral arms secured to said section, said arms, pinions and shaft hingedly mounting said section for downward swinging, and bolts slidably mounted on the car body for normally holding another bottom section, said bolts having rack teeth with which said pinions mesh, whereby retraction of the bolts is effected by rotation of the pinions incident to downward swinging of the first mentioned bottom section.

1,635,049. EXPULSION FUSE. RICHARD R. MCGEE, Ballston Lake, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 13, 1925. Serial No. 43,106. 4 Claims. (Cl. 200—127.)



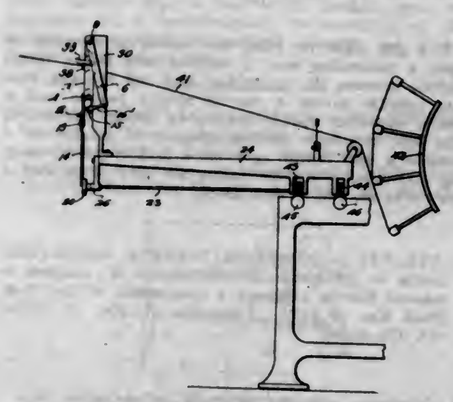
1. An electric expulsion fuse comprising an elongated insulating shell with metallic end terminals, one of which terminals is releasably sealed and the other unsealed, a short fusible link connected to said sealed terminal, a relatively non-fusible conductor connected to said fusible link and extending longitudinally within said shell to the unsealed terminal thereof, and spring means normally maintaining tension on said fusible link through said non-fusible conductor and acting to withdraw said conductor from the shell upon melting of the said link.

1,635,050. MOWER. ARCHIE MCKELLAR, Wausau, Wis. Filed Nov. 16, 1926. Serial No. 148,652. 1 Claim. (Cl. 56—275.)



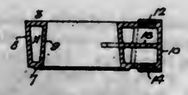
A mower comprising a frame having a finger bar extending laterally therefrom, cutter bars carried by the finger bar and arranged in superposed relation, the lower cutter bar being slidably supported on the finger bar and the upper cutter bar being slidably supported on the lower cutter bar, a driven shaft extending forwardly of the frame, a stub shaft paralleling said latter shaft and journaled in the extremity of an overhanging arm carried by the frame, spur gears carried at the extremities of the stub shaft and on opposite sides of said arm and provided with wrist pins disposed eccentrically of the gears and having a relative angular displacement of one hundred and eighty degrees, links connecting the wrist pins respectively with the cutter bars, and a gear carried by the first said shaft and meshing with said spur gears.

1,635,051. AUTOMATIC REED-SAVING DEVICE. OTTO B. MEYERS, Quakertown, Pa. Filed Mar. 8, 1926. Serial No. 93,326. 3 Claims. (Cl. 28—54.)



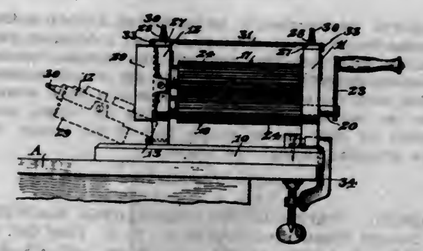
1. An attachment for the reed of a warper; wherein the warper includes a carriage having a pair of arms extending vertically therefrom, said carriage being movable transversely of the warper; said attachment comprising a pair of brackets slidably mounted in the arms for vertical reciprocation independent of the reed and longitudinally of its dents, means for reciprocating the brackets vertically, a rod extending between the lower ends of the brackets and journaled therein, a second pair of brackets having their lower ends on the rod to pivotally mount the second brackets in relation to the first brackets, said second bracket reciprocating in unison with the first brackets, a bar extending between the second brackets.

1,635,052. TANK HEATER. ABRAM C. MOTT, Jr., Lansdale, Pa., assignor to Abram Cox Stove Company, Lansdale, Pa., a Corporation of Pennsylvania. Filed Feb. 24, 1926. Serial No. 90,348. 1 Claim. (Cl. 122—209.)



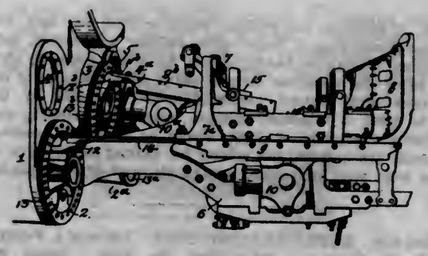
The combination in a hot water heater, of a cast metal water section having an extension, the interior of the extension communicating with the interior of the body portion of the heater; openings in the upper and lower ends of the extension; circulating pipes attached to the extension at the openings; and a horizontal partition in the extension for deflecting the incoming water and directing it to the body portion of the heater.

1,635,053. MEAT TENDERER. WILLIAM WALTER MYERS, Stony Point, N. C. Filed Mar. 14, 1927. Serial No. 175,278. 2 Claims. (Cl. 17—26.)



1. A machine for the purpose set forth comprising a base, a standard fixed thereto, a movable standard arranged thereover and spaced from the other standard, means for swingingly connecting the movable standard at its lower end to the base, superposed journals carried by the movable standard and provided with sockets, corrugated rollers arranged between the standards and including spindles removably mounted in said journals and in the fixed standard whereby on the swinging of the movable standard said rollers can be completely detached, means for maintaining said movable standard in an upright position, and gears connected with said journals for operating the rollers in reversed directions to each other.

1,635,054. LOCOMOTIVE CROSSHEAD GUIDE. LAWRENCE L. NEEBE, Woodbury, N. J. Filed Dec. 13, 1926. Serial No. 154,590. 3 Claims. (Cl. 105—37.)



1. The combination in a three-cylinder locomotive, of a main frame; a cylinder structure; three guides; crossheads mounted to slide on the guides; brackets on the

heads of the cylinders, the central guide being directly attached to the bracket of the head of the central cylinder; and bars connecting the side guides to the brackets of the heads of the side cylinders.

1,635,055. ALLOY FILAMENT. ALADAR PACZ, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Jan. 15, 1920. Serial No. 351,665. 8 Claims. (Cl. 176—132.)

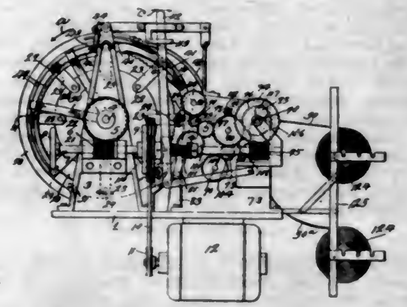
1. A filament for incandescent lamps consisting of tungsten with less than 1% of zirconium.

1,635,056. OUTLET. HENRY T. PAISTE, Philadelphia, Pa., assignor to H. T. Paiste Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 1, 1925. Serial No. 40,863. 3 Claims. (Cl. 173—330.)



1. The combination in an outlet, of a body portion having two T-shaped openings therein; a terminal plate in line with each opening; and two parallel terminal members projecting from each plate, one of said members being solid, the other having a tongue bent down between the two members, the member having the tongue being slotted at right angles to the face of the tongue, the slot extending through the tongue.

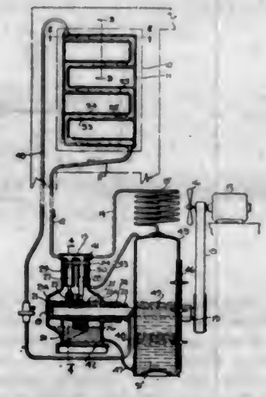
1,635,057. PAPER-RECEPTACLE-MAKING MACHINE. IGNAZIO PIERMATTEI, Landisville, N. J. Filed Oct. 20, 1926. Serial No. 142,893. 14 Claims. (Cl. 93—81.)



1. A machine for making paper receptacles, said machine comprising a paper strip feeding mechanism, said feeding mechanism having means for feeding a wide strip of paper and a narrow strip of paper with the sides of the narrow strip spaced inwardly from the sides of the wide strip, a rotatable spindle, means for gripping and holding the ends of both strips as they are twisted around the spindle and means for folding the portion of the wide strip extending beyond the end of the spindle.

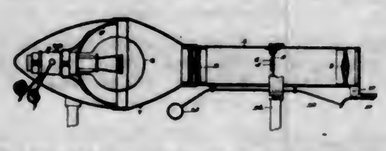
1,635,058. REFRIGERATING UNIT. THOMAS I. POTTER, Portland, Oreg. Filed Nov. 10, 1926. Serial No. 147,534. 8 Claims. (Cl. 62—115.)

1. In a refrigerating machine, the combination of a compressor having an oil well formed therein with a separating compartment in which mixed oil and refrigerant can separate by gravitation, together with a duct for



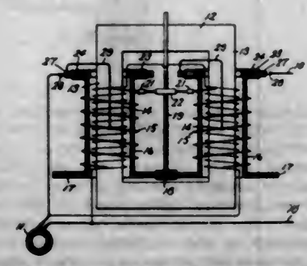
carrying such separated oil back to said well by gravity; and an open connection between the separator and well above their highest liquid levels.

1,635,059. GUN SIGHT FOR NIGHT USE. HERBERT O. RUSSELL, Parlier, Calif., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,423. 2 Claims. (Cl. 88—24.)



1. A gun sight for night use embodying a source of light, a condensing lens, a focusing lens, and a target reticule between the condensing lens and focusing lens, said reticule having a central opaque portion and a second encircling opaque portion in spaced relation to said first mentioned portion adapted to produce at a distance a dark central spot and a dark circle surrounding said spot, a suitable casing for said parts, and a shutter at the end of said casing.

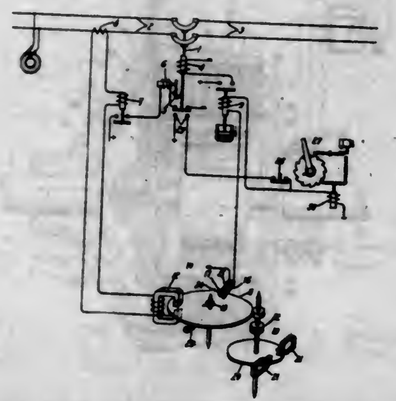
1,635,060. INDUCTION VOLTAGE REGULATOR. LOUIS W. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 1, 1927. Serial No. 171,864. 5 Claims. (Cl. 171—119.)



1. An induction voltage regulator comprising a magnetic core, an exciting winding for said core, a rotatable voltage regulating winding surrounding a part of said core, a magnetic ring, a winding on said ring, a contact ring having its contacts connected to points dis-

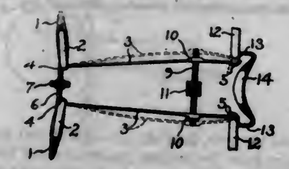
tributed along said magnetic ring winding, said magnetic ring winding being electrically connected to said voltage regulating winding, said magnetic ring with its winding and contact ring being arranged to rotate about a part of said core with said voltage regulating winding, and a brush for said contact ring.

1,635,061. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 30, 1926. Serial No. 158,090. 9 Claims. (Cl. 175—294.)



1. In an automatic reclosing circuit breaker system, a circuit breaker for connecting two electric circuits together, means for effecting the opening of said circuit breaker, and means for effecting the reclosing of said circuit breaker after a time which depends upon the magnitude of a predetermined characteristic of the electric power being transmitted through the circuit breaker at the time it opens.

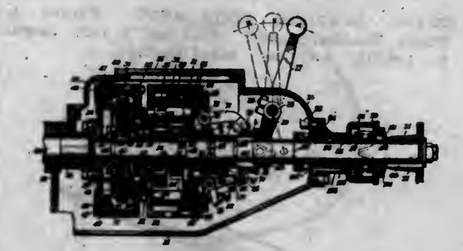
1,635,062. BINOCULAR MAGNIFYING-LENS HOLDER. GEORGE L. TULLY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 12, 1926. Serial No. 147,947. 3 Claims. (Cl. 88—41.)



1. A holder for a binocular magnifier comprising a pair of separated resilient arms each having engaging members adjacent one end and the lens holding means adjacent the other end, and adjustable means adjacent each end adapted to change the distance between the arms at their respective ends.

1,635,063. TRANSMISSION MECHANISM. JULIUS M. ULRICH, Greenwich, Conn., assignor to Palmer Bros. Engines, Inc., Coscob, Conn., a Corporation of Connecticut. Filed Jan. 20, 1925. Serial No. 3,593. 14 Claims. (Cl. 74—34.)

1. A transmission, comprising a driving shaft, a driving head therefor, a driven shaft aligned with the driving shaft and journalled at one end in said driving head, a clutch member journalled for free rotation on said driven shaft and slidably engaged with said driving head, a thrust abutment member solid with the driven shaft and cooperating friction members respectively engaged with said abutment member and with said clutch member, in combination with means for longitudinally displacing said clutch member on the driven shaft to cause said friction members to engage, and a system of fixed and planetary gearing frictionally controlled and adapted to drive said driven shaft from said driving shaft in a reverse direction.

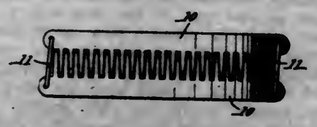


1,635,064. TRANSFORMER. EDWARD A. WAGNER, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 15, 1926. Serial No. 155,053. 5 Claims. (Cl. 175—356.)



1. The process of producing high reactance transformer core laminations, said process comprising the steps of forming four openings in each of a plurality of sheets of magnetic material to define three leg portions connected by two yoke portions and two side extensions offset from the longitudinal center of said center leg portion and extending from the center leg portion to the two outer leg portions, and severing each of said side extensions along a line adjacent one end thereof and cutting said center leg portion along symmetrical lines at its two ends from the two yoke portions, whereby said center leg portion may be reversed in position between said yoke portions to provide a gap at one end of each of said side extensions.

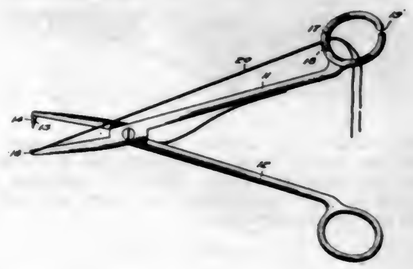
1,635,065. WATER WAVER. PHILIP H. WATSON, Leominster, Mass., assignor to Standard Pyroxoloid Corporation, Leominster, Mass., a Corporation of Massachusetts. Filed Aug. 25, 1926. Serial No. 131,482. 2 Claims. (Cl. 132—31.)



1. As an article of manufacture, a water waver for the hair comprising two comb-like side pieces adapted to be placed with their teeth projecting toward each other

at a distance apart and having a pair of elastics permanently connecting the ends of both and of such length as to normally force the two pieces together with the teeth of each one extending into the spaces between the teeth of the other.

1,635,066. SURGICAL INSTRUMENT. WALTER A. WELLS, Washington, D. C. Filed Feb. 8, 1927. Serial No. 166,716. 6 Claims. (Cl. 128—334.)



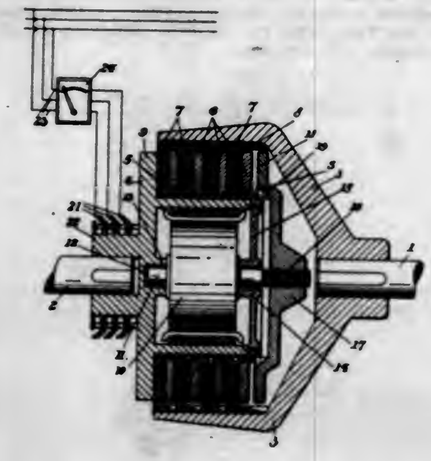
1. In a surgical instrument, the combination with a pair of jaws, of a needle extending from the face of one jaw in the direction of the companion jaw and provided with a transverse suture receiving notch, the companion jaw being provided with a needle receiving recess and an outwardly open transverse slot adapted to form a suture holder during the operation of the instrument.

1,635,067. REAMER. JAMES ROY AULENBACK, Bridgewater, Nova Scotia, Canada. Filed May 11, 1923. Serial No. 638,359. 1 Claim. (Cl. 77—75.5.)



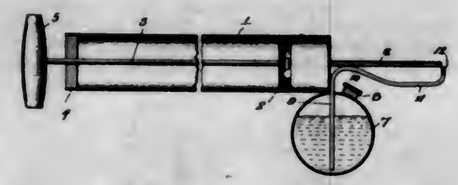
A reamer embodying a hollow shank having diametrically opposed lugs extending from its outer end, a hollow mandrel having notches provided at its inner end to receive the lugs of the shank, said mandrel also having spaced longitudinally disposed slots the slots having inclined bottoms and a socket in its outer end, a ring receivable within the socket and having an annular transversely right angular seat in one face and a beveled annular seat within its opposite face, cutter blades arranged within the slots, beveled shoulders upon the blades to engage the beveled seat, a rod mounted within the mandrel and shank, a head upon the outer end of the rod for position within the right angular seat, a sleeve threadedly adjustable upon the mandrel and having an inwardly beveled edge to provide beveled engagement between the sleeve and the adjacent ends of the blades, and means to rotate the shank and rod.

1,635,068. ELECTROMAGNETICALLY-OPERATED FRICTION CLUTCH. JULIUS BING, Eisenach, Germany, assignor to the Firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Electromagnet-Apparate, Eisenach, Germany. Filed June 1, 1925, Serial No. 34,202, and in Germany June 11, 1924. 15 Claims. (Cl. 192—84.)



1. In a clutch in combination, two rotary members, operating means adapted to cause said members to engage and thus to couple them, and an electromotor comprising a rotor to actuate said operating means, said electromotor being mounted within and coaxially to said rotary members.

1,635,069. SPRAYER. ADOLF GERMAN BULLE, Habana, Cuba. Filed Jan. 30, 1926. Serial No. 84,984. 1 Claim. (Cl. 299—88.)



A portable sprayer, including a cylindrical air pump, an air discharge tube projecting longitudinally from the end of the pump, a reservoir secured to the pump beneath the same, an outlet pipe communicating with the interior of the reservoir, said pipe extending upwardly from the reservoir to a point adjacent the tube, then extending downwardly and forwardly, and then upwardly to a point adjacent the extremity of the air tube whereby a portion of the material is trapped between the first-mentioned bend of the pipe and outlet end thereof.

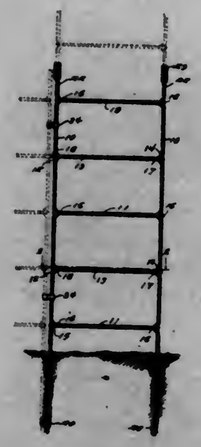
1,635,070. BOTTLE CONSTRUCTION. ELLIOTT B. CLARK, Weldon, N. C. Filed Dec. 10, 1924. Serial No. 755,089. 1 Claim. (Cl. 215—2.)

A bottle having an opening therein surrounded by concentrically arranged inner and outer radially spaced flanges of an appreciable depth, the opening being adapted to be closed by a seal having flanges crimped around the inner flange of the bottle, the outer edge of the outer flange extending beyond the inner flange and providing a base to support the bottle when the latter is sealed and



the outer flange having an interrupted portion therein to permit of the insertion of an instrument beneath the flange of the seal.

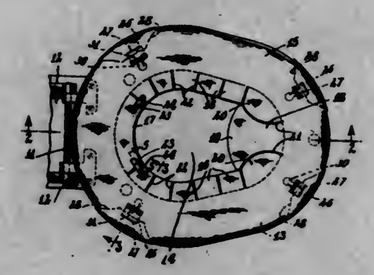
1,635,071. VINE HOLDER. CHARLIE A. COMSTOCK, Fullerton, Calif. Filed July 28, 1926. Serial No. 125,519. 3 Claims. (Cl. 47—47.)



3. A vine holder comprising spaced side members and a plurality of cross members connecting said side members, alternate cross members being permanently connected to the side members, the remaining cross members being hinged to one of the side members and having latching engagement with the other side member.

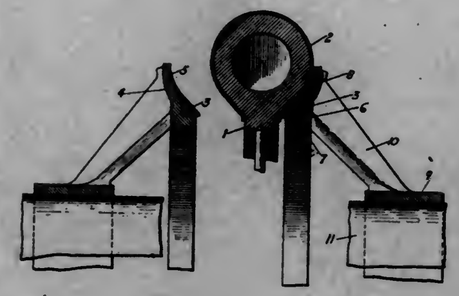
1,635,072. SANITARY TOILET-SEAT COVER. ARTURO DE LUNA, Buffalo, N. Y. Filed Oct. 21, 1926. Serial No. 143,056. 1 Claim. (Cl. 4—243.)

A sanitary cover for toilet seats comprising a main element adapted to cover the top of a toilet seat, and provided with depending side flaps, and with a depending rear flap, and with a front flap, adjacent depending flaps, said flaps formed by elongated slots cut therein, said flaps adapted to cover the edges of an opening in the said toilet seat, said side flaps adjacent to the said rear flap



provided with clips as a means of bending downward the said rear flap when the said side flaps are bent downward.

1,635,073. BEAD-PLACING RING. HAROLD A. DENMIRE, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 20, 1924. Serial No. 700,481. 1 Claim. (Cl. 154—9.)

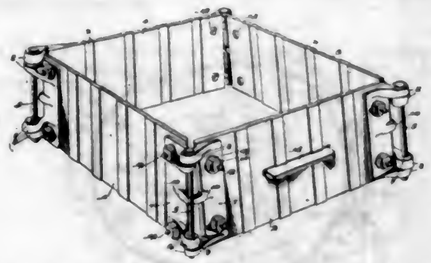


A ring for applying beads having outwardly extending fabric webs thereon, to an unfinished tire carcass upon a core, said ring having a seat of a diameter equal to the interior diameter of the bead in the complete carcass, an outwardly extending flange extending about the circumference of the ring and having a diameter equal to approximately the diameter of the median line of the core, the flange fitting against the outer surface of the bead and the outer curvature of the core above the bead and adapted to support the outwardly extending web and apply it to the core at the same time that the bead is applied to the core by pressure exerted upon the ring, and means to center the ring with respect to the core.

1,635,074. OVERJACKET FOR MOLDS. ADAM DIEHL, Springfield, Ohio. Filed May 13, 1926. Serial No. 108,900. 2 Claims. (Cl. 22—112.)

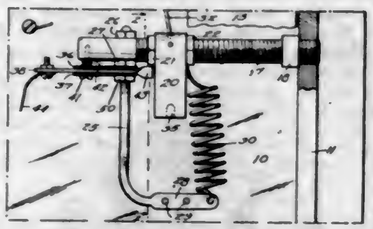
1. An overjacket comprising a plurality of rectangular plates having pairs of screw studs projecting therefrom in transverse positions adjacent to the longitudinal extremities, hinges connecting said plates comprising brackets applied to said extremities and having slots through

which the screws project, knuckles formed upon the brackets fitting upon each other and having registering holes, connecting means inserted in the holes and com-



pleting the hinge arrangement, and nuts applied to said screw studs permitting fixing the hinge brackets in adjusted position upon said plates.

1,635,075. COMBINED ELECTRICAL AND MECHANICAL SAFETY LOCK FOR VAULT DOORS. WILLIAM C. DILLON, Fort Dodge, Iowa, assignor to Dillon Bank Protection Service, a Corporation. Filed Sept. 30, 1920. Serial No. 413,799. 1 Claim. (Cl. 200—55.)



A circuit closing mechanism adapted for use on an auxiliary lock having a supporting rod and a locking lug rotatably and longitudinally adjustable thereon, said mechanism comprising bolts extending from said supporting rod, a contact element comprising a strip of metal having a longitudinal slot therein through which said bolts extend, means for allowing longitudinal adjustment of said strip on said bolts whereby said strip may be adjusted longitudinally relative to said supporting rod and a contact element on said lug adapted to coact with said strip when said lug is in one of its adjusted positions.

1,635,076. WINDOW SEAL. ANDREW CAPERS ENOCHS, Oklahoma City, Okla. Filed Nov. 16, 1923. Serial No. 675,186. 1 Claim. (Cl. 292—342.)



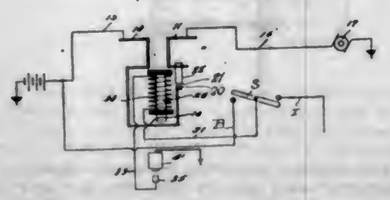
The combination with a window frame and the cooperative vertically sliding upper and lower sashes therein, of a pair of cam plates respectively supported on the outer faces of the stiles of the upper sash and each having a downwardly inclined outwardly extending cam projection thereon, a pair of similar cam plates respectively supported on the inner faces of the stiles of the lower window sash, each of said second named cam plates having an upwardly inclined projection thereon, a peripherally grooved roller for each of said cam plates, two of said rollers being rotatably supported on the outer or blind strips of the window frame in position to engage with the cams of said first named plates when the upper sash is moved to a closed position and to thus force said upper sash inward, the remaining rollers being rotatably supported on the inner vertical guide strips of the window frame in position to engage with the cams of the second named plates when the lower sash is moved to closed position and to then force the lower sash outward.

1,635,077. MONOGRAM. JAMES EDISON ERSKINE, Jacksonville, Fla. Filed Dec. 29, 1924. Serial No. 758,662. 1 Claim. (Cl. 40—140.)



In a monogram, separate letters designed to be assembled to give the appearance of a complete and unitary monogram, each letter having a background made up of triangular striations, the faces of which provide light reflecting surfaces whereby the line of juncture between the letters is concealed.

1,635,078. AUTOMATIC SWITCH. LEWIS W. GILBERT, Seneca Falls, N. Y. Filed Jan. 19, 1924. Serial No. 687,322. 1 Claim. (Cl. 290—38.)



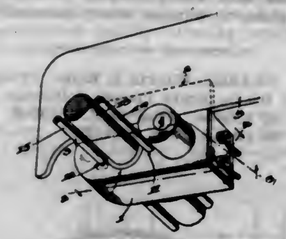
In a device of the class described, a circuit including a source of current, a starting motor in the circuit, electrically operated means for closing the circuit, said means including a second circuit, means responsive to suction for opening the second circuit, said means last named including a cylinder and a plunger, contact members carried respectively by the plunger and by the lower end of the cylinder, the cylinder being mounted vertically, and the upper end of the cylinder including a tubular connection for establishing communication with an air intake manifold of an engine, and a valve carried by the plunger for closing said tubular connection when the plunger responds to suction and separates the contact members, the cylinder having a port admitting air above the plunger when the latter is not under the influence of suction.

1,635,079. AUTOMOBILE LOCK. VICTOR L. GILPIN and CHESTER READ WELLS, Baltimore, Md.; said Wells assignor to said Gilpin. Filed May 25, 1925. Serial No. 32,690. 21 Claims. (Cl. 70—127.)



1. In combination with a revoluble part of the steering mechanism of a vehicle, a non-circular portion upon said revoluble part, a locking plate having a corresponding non-circular opening, and means situated parallel to the axis of said revoluble part for bodily shifting the locking plate in a direction parallel to the axes of said revoluble part and said parallel means.

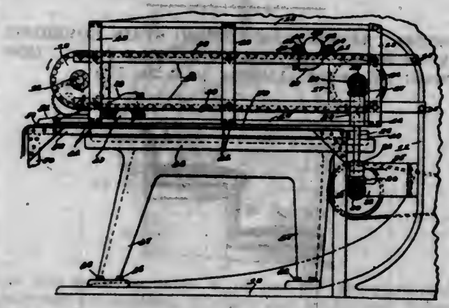
1,635,080. AUTOMOBILE LOCK. VICTOR L. GILPIN and CHESTER R. WELLS, Baltimore, Md.; said Wells assignor to said Gilpin. Filed July 6, 1925. Serial No. 41,829. 5 Claims. (Cl. 70—127.)



1. In combination with a revoluble member including a steering post and an ignition circuit, a non-circular head carried by the steering post, a casing through which the steering post extends and in which said head is occupied, means to fixedly secure the casing, contacts carried by said casing constituting terminals of said circuit, a bolt contained and guided by said casing and having a non-circular recess, flared jaws providing the approaches to said recess being capable of partially turning said steering post upon certain engagements with said head so that proper registration of said head with said recess may be effected, a slot formed in said bolt, a key-actuated eccentric operating in said slot to reciprocate the bolt either in the direction of the steering post or in the direction of the contacts, and a contactor carried by the bolt for bridging the contacts upon said latter action of the bolt.

1,635,081. CHAIN-DRIVE GLAZING MACHINE. DANA E. HARDING, Arlington, Mass., assignor to Harding Engineering Company, East Boston, Mass., a Corporation of Massachusetts. Filed Aug. 18, 1925. Serial No. 51,005. 3 Claims. (Cl. 149—19.)

1. In an improved glazing machine, a pair of endless chains arranged parallel to each other and with their lower reaches lying in the same horizontal plane, means for moving said lower reaches in the same direction and at the same speed, a work support or bed lying beneath, spaced apart from, and parallel to the lower reach of such chains, a worktable cooperating with said work support or bed, a clamping means associated with said worktable, glazing rolls mounted on and movable with said endless chains, means for maintaining the clamping



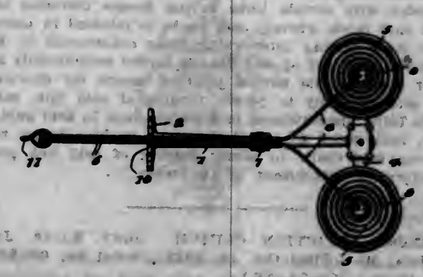
means in operative relation to the work on the worktable, and means controlled by the endless chains for intermittently removing the clamping means from the table.

1,635,082. SELF-LOCKING NUT. AXEL GUSTAF EMANUEL HULTGREN and JOSEF HENRIK EMANUEL THORÉN, Gottenborg, Sweden, assignors to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed June 7, 1922. Serial No. 566,534, and in Sweden June 15, 1921. 3 Claims. (Cl. 151—38.)



1. A self-locking nut, comprising a thread and an unthreaded portion the unthreaded portion being set off from the threaded portion by a plurality of open circumferential slots overlapping each other and disposed in transverse planes.

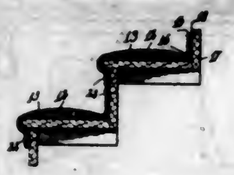
1,635,083. TANDEM WAFER REGULATOR. ANTHONY JOSEPH HERMSMEYER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed July 20, 1925. Serial No. 44,911. 2 Claims. (Cl. 297—9.)



1. The combination of a supporting arm, a cross arm carried by said supporting arm substantially at the outer end thereof, a plurality of wafer thermostats carried

by the cross arm on opposite sides of the supporting arm, operating levers extending substantially parallel and in close proximity with each other throughout a portion of their lengths and having divergent outer ends extending into position to be actuated by the wafer thermostats.

1,635,084. REVERSIBLE FOLDED STAIR COVERING. ELIAS HYMAN, New York, N. Y. Filed June 2, 1925. Serial No. 34,310. 1 Claim. (Cl. 20—79.)



In a stair covering, a mat comprising a base element preferably of rubber, a ground element superimposed over said base element, a stiffening frame of dimensions less than the dimensions of said mat disposed between said ground and base elements, an upper covering preferably comprising carpet material disposed over said ground element, a cushion disposed between said upper covering and said ground element positioned centrally and extended transversely of said mat, said cushion being substantially the width of the horizontal surface of a step, a metal frame of U-shaped cross section disposed around the edges of said mat, adapted to clamp the edge portions of said base, ground and covering elements together, said mat being adapted to cover the upper riser, encircle the nosing and cover the upper section of the lower rises of said stair.

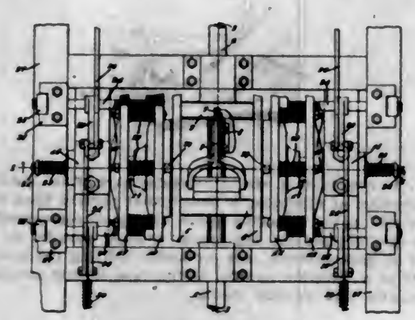
1,635,085. CONVEYER CHAIN FOR COAL-LOADING MACHINES. THOMAS L. JOHNSON, Charleston, W. Va. Filed June 9, 1926. Serial No. 114,773. 1 Claim. (Cl. 198—175.)



In a conveyer, a guideway for a conveyer chain, said guideway being provided with beads, and said chain being provided with certain links having flanges traveling behind said beads whereby said chain is retained in place, said chain having interlocking links constructed to be detached after one of said links is turned substantially at right angles to its normal position, means for shortening said guideway to permit turning of said link, said beads being discontinuous in a certain zone in said guideway, into which zone said link may be brought by revolving said chain, to permit turning of said link preparatory to detachment of the same.

1,635,086. FRICTION CLUTCH. JOHN KALAF, Jr., Meta, Mo. Filed Oct. 16, 1923. Serial No. 668,882. 1 Claim. (Cl. 74—26.)

In a device of the character described, a driving shaft, a wheel mounted on the shaft, bearings supported laterally of the driving shaft, hollow shafts supported within the bearings, outer and inner disk-like plates mounted on the hollow shafts and secured thereto, coiled springs between the disk-like plates to force the plates apart, shafts extending through the hollow shafts, plates mounted on the last mentioned shafts and disposed adjacent to the outer plates, ball bearings supported between the last mentioned plates and outer disk-like plates, springs mounted on the last mentioned shafts and adapted to exert a



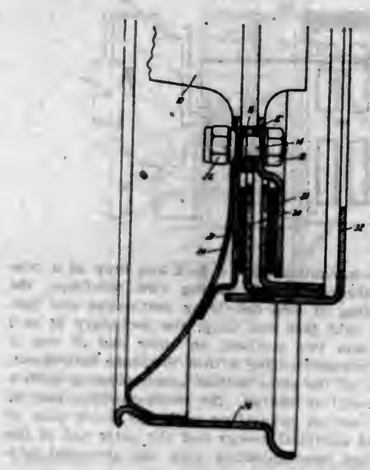
pull on the last mentioned shafts to draw the plates together, and said wheels adapted to engage the last mentioned plates to transmit rotary movement thereto.

1,635,087. BRAKE. WALTER L KRIEG, Chicago, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 21, 1925. Serial No. 57,594. 10 Claims. (Cl. 188—78.)



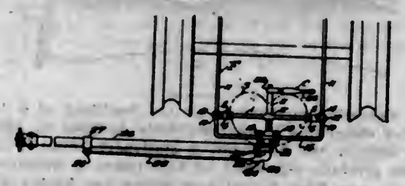
1. A brake comprising, in combination, a drum, a floating friction device engageable with the drum and anchoring at one end when the drum is turning in one direction and at the other end when the drum is turning in the other direction, a floating servo member between said ends of the friction device, and a device rocked by movement of the servo member and connections operated by rocking of said device for forcing the ends of the friction device in opposite direction against the drum.

1,635,088. WHEEL WITH BRAKE DISK. LUDGER ELIZÉ LA BRIE, South Bend, Ind., assignor to Motor Industries, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 21, 1925. Serial No. 57,556. 8 Claims. (Cl. 301—6.)



6. A wheel comprising a wheel disk body flaring outwardly and having secured on its inner side a member providing a radially-extending braking surface, in combination with a part rotating with the disk body and having a cooperating radially-extending braking surface facing the braking surface on the member.

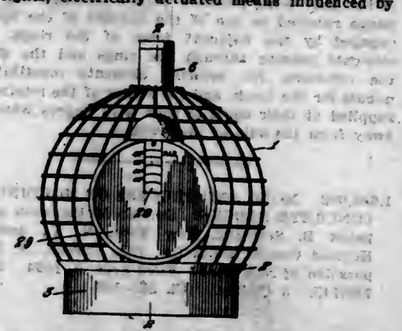
1,635,089. MARKER. LEE P. LEWIS and WILLIAM MORGENTHALER, Hallsville, Mo. Filed Mar. 4, 1926. Serial No. 92,335. 4 Claims. (Cl. 97—230.)



1. In combination with the side members and an end member of a planter frame, a bar, hook members engageable with the side members of the frame, means for adjustably connecting the hook members with the end portions of the bar, said bar intermediate its ends being provided with a bearing, a bearing box, means for securing the bearing box to the end member of the planter frame, a shaft rotatably supported by the bearing of the bar and the bearing box, the outer end of the shaft extending beyond the end member of the frame, said extended portion being provided with a rock arm, a marker arm operatively engaged with the extended portion of the shaft and the rock arm, and a foot crank carried by the inner portion of the shaft.

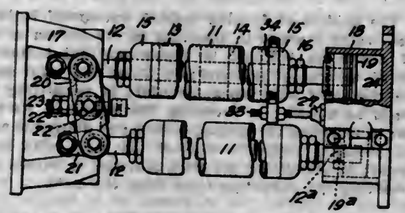
1,635,090. SCALE. LOUIS LINWOOD, Shelby, Miss. Filed Nov. 5, 1926. Serial No. 146,489. 3 Claims. (Cl. 265—37.)

1. A poultry weighing scales including a cage having a door for the insertion of poultry therein, a platform in the bottom of the cage, beams influenced by the platform, swingable weights influenced by the movement of the beams, a computing dial revoluble by the movement of the weights, electrically actuated means influenced by



the dial when the latter is at rest and the platform is depressed for sounding an alarm and for likewise flashing a lamp.

1,635,091. APPARATUS FOR MOIRÉ-FINISHING CLOTH. JOHN J. LYTH, Valleyfield, Quebec, Canada. Filed Dec. 7, 1923. Serial No. 679,222. 7 Claims. (Cl. 26—69.)



1. A cloth treating apparatus comprising in combination with the calendering machine a pair of cloth directing elements over each of which a layer of cloth may pass into the nip of the calender rolls, connection between said elements to cause relatively opposite reciprocation thereof in their axial direction thereby to relatively oscillate the two layers of cloth passing between said elements and the calender, and fluid pressure motors connected to the elements to move both in the same direction, the said motors including valve mechanism to secure alternate operation of the motors.

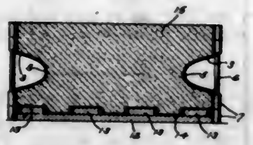
1,635,092. INSERT FOR TIMERS. EDGAR G. MCLEAIRD and JOHN C. MCLEAIRD, Nashville, Ark. Filed Feb. 2, 1923. Serial No. 616,582. 1 Claim. (Cl. 200—24.)



As an article of manufacture, an auxiliary timer-track, comprising an inner ring, an outer ring, an annular spacer between the rings and having notches in its outer edge, the notches extending entirely through the spacer, a plurality of retainers each comprising a straight body

disposed parallel to the axis of the track and bearing at one end upon the periphery of the outer ring, said end of the body being provided with a rectangularly disposed flange received in one of the notches of the spacer and engaged by the adjacent faces of the rings, securing elements passing through the rings and the flanges of the retainers, the securing elements constituting terminals for the track, and the bodies of the retainers being supplied at their opposite ends with fingers which extend away from the axis of the track.

1,635,093. MOLD AND PROCESS OF MOLDING FACED CONCRETE BLOCKS. DONALD MCPHERSON and FREDERICK B. SCHULTZ, New York, N. Y., assignors to Keyroid Cement Block Co., Inc., Corona, N. Y., a Corporation of New York. Filed Sept. 9, 1924. Serial No. 736,745. 5 Claims. (Cl. 25—155.)



1. The method of forming molded waterproof building blocks, which consists in inserting in the bottom of the mold a spacing bottom; in laying on said bottom a sheet of waterproof material; in filling the mold space above the sheet with block material; in permitting the material to harden; in inverting the mold and its contents; in removing the spacing bottom; in filling the mold space above the opposite side of the sheet with block material; in permitting the block material to harden and in removing the completed block from the mold.

1,635,094. SAND BAG. EMIL NESTLER, New York, N. Y. Filed July 2, 1926. Serial No. 120,183. 2 Claims. (Cl. 18—45.)

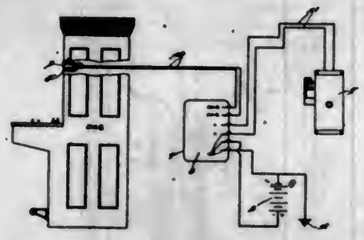


1. A sand bag of the character described, comprising a casing composed of fabric, the sections thereof being connected at the inner portion of the bag by a flexible line of stitching, said casing being curved longitudinally in the arc of a circle and adapted to be filled with sand and the like.

1,635,095. PAINT AND PLASTIC SUBSTANCE. STANLEY I. ROBINSON, Nampa, Idaho. Filed Apr. 24, 1924. Serial No. 708,804. 1 Claim. (Cl. 134—52.)

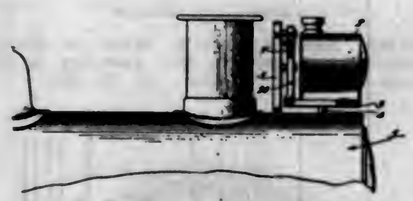
That process of making paint, which consists in making lime water, mixing sufficient lime therewith to make a thin cream, then mixing from one-half to three-fourths part, by volume, of liquid tar therewith prior to the loss of all the heat of the chemical reaction of the lime and water, drawing off the upper layers of the mixture, and utilizing the precipitate as a pigment.

1,635,096. ADAPTER COIL. EARL C. RODMAN, deceased, Tuscola, Ill., by Blanche Rodman, administratrix, Tuscola, Ill. Filed Oct. 9, 1925. Serial No. 61,570. 3 Claims. (Cl. 179—68.)



1. In the combination with a jack and drop of a telephone switchboard, a coil having two windings, the primary winding of said coil being continuous and connecting with said jack and drop, the secondary of said coil divided into two sections, an outer end of one of said sections communicating with a telephone instrument, the inner end of the same section communicating with a source of electrical energy, the corresponding end of the opposite section connecting with the other pole of source of said electrical energy and the outer end of the opposite section communicating with the aforesaid telephone instrument.

1,635,097. OPERATING MECHANISM FOR DIRIGIBLE HEADLIGHTS. THOMAS P. SALLEY, Mobile, Ala. Filed Mar. 27, 1926, Serial No. 97,956. Renewed Jan. 29, 1927. 2 Claims. (Cl. 240—62.)



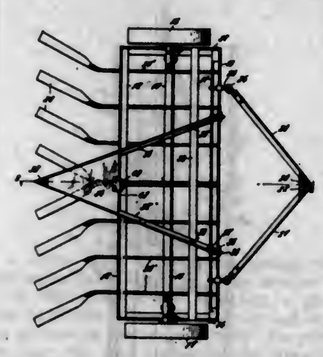
1. Operating mechanism for the headlight of a locomotive comprising a rotatable table designed to receive and support the headlight, a stationary frame, a gear sector pivotally supported on said frame, a weight supporting arm fixed to the gear sector and having slots, weights having slots in which the slotted portions of the arm are fitted, and fastening means extending through the slots of the arm and engageable with the weights for holding the weights in adjusted position, and a gear element between the gear sector and the table.

1,635,098. WEEDING MACHINE. ORIEN R. SAUNDERS, Cove, Oreg. Filed Oct. 29, 1926. Serial No. 145,039. 4 Claims. (Cl. 97—144.1.)

1. In a machine of the class described, a frame including front and rear transverse bars, weeding blades mounted in said frame and extending longitudinally of the machine and under the rear bar, bars extending parallel with said front and rear bars and having their ends connected with the frame, the blades including shanks engaging the bars mounted in the frame, and an upper bar bearing on the shanks and retaining the elements thus engaged in fixed relation.

4. In a machine of the class described, a frame, wheels for carrying the frame, weeding blades mounted in the frame, said blades including shank portions, means carried by the under side of the rear portion of the frame

for spacing and engaging the shanks and blades, from the upper edges of the shanks, a bar extending transversely of the frame and having its lower edge engaging



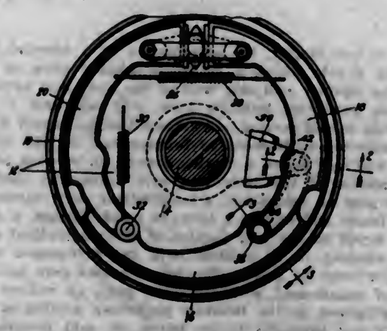
the shanks on their upper portions, and additional means including a channel structure for spacing and engaging the ends of the shanks of the blades.

1,635,099. WIG. LEON A. SEILAZ, Zurich, Switzerland. Filed Sept. 11, 1923, Serial No. 662,130, and in Germany Sept. 16, 1922. 1 Claim. (Cl. 132—56.)



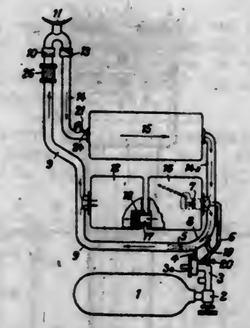
A wig comprising a shaped element composed of a plurality of superposed layers of fabric, arranged with the warp threads of each layer at an angle to and crossing those of the next adjacent layer, and knotted hairs arranged with their knots between two of the layers, said hairs extending out through the outer layer.

1,635,100. BRAKE. GEORGE J. THOMAS, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1925. Serial No. 47,453. 23 Claims. (Cl. 188—78.)



1. A brake comprising, in combination, a central shoe anchored at one end, a pair of oppositely-extending end shoes connected to the central shoe adjacent its ends, and means for forcing the end shoes apart to apply the brake.

1,635,101. OXYGEN-RESPIRATORY APPARATUS. CARL VON HOFF, Essen, Germany. Filed Mar. 12, 1925, Serial No. 15,049, and in Germany June 20, 1923. 3 Claims. (Cl. 128—191.)



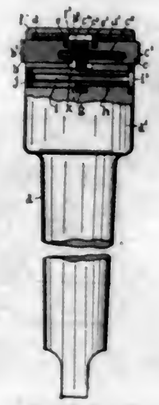
1. In oxygen respiratory apparatus, the combination of a pipe system for the circulation of air; a mouth piece enabling air to be inhaled from and exhaled into said system; a reservoir for oxygen under pressure; means, including an injector, for connecting said reservoir to said system, whereby the oxygen admitted induces circulation of air therein; a breathing bag connected to a part of the system where air flows from the mouth piece toward the injector; means connecting the bag to a part of the system where air flows from the injector toward the mouth piece; supplementary means for admitting oxygen to said system including a valve within said bag adapted to be opened by the collapse of the bag; a purifier in the system between the mouth piece and the bag; and automatic blow-off and throttle valves in said system between said purifier and mouth piece, the opening of the throttle valve varying in response to the rate of air flow so that the discharge of air through the blow-off valve remains substantially constant.

1,635,102. WRENCH. LEONARD E. WATSON, St. Marys, W. Va. Filed June 21, 1926. Serial No. 117,473. 1 Claim. (Cl. 81—63.)



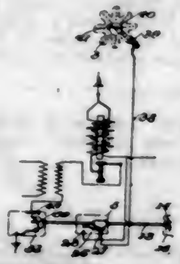
A wrench of the class described comprising a pair of plates, each provided with a circular head having an opening therein, means for connecting the plates together in spaced relation, a rotary member supported in the openings by the heads, said member being recessed to receive a nut and a washer, there being ratchet teeth on the member, a double dog pivotally arranged in the space between the two plates, a double spring in said space having its extremities engaging the two portions of the dog, an S-shaped slot in one plate, a pin slidably mounted in the slot and having a part on its inner end for engaging the spring for placing either portion of the spring under tension or for freeing both portions of tension, a sliding plate slidably mounted on one of the other plates for holding the washer and nut in the rotary member.

1,635,103. EXPANDING REAMER. SILAS WELSBY, Huddersfield, England, assignor to David Brown & Sons (Huddersfield) Limited, Huddersfield, England. Filed Apr. 22, 1926, Serial No. 103,934, and in Great Britain June 2, 1925. 6 Claims. (Cl. 77—58.)



1. An expanding reamer comprising a head, opposite cutters slidable transversely in the head, and means between the cutters for adjusting them relatively to one another, said cutters and means being capable of movement as a unit transversely of the head in either direction.

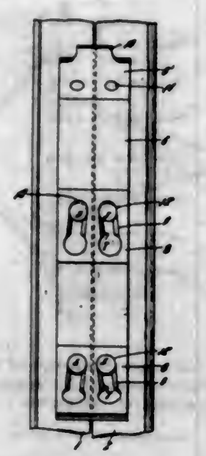
1,635,104. GAS-IGNITING DEVICE. SAMUEL JOSEPH WOODS, Newport, R. I. Filed July 7, 1925. Serial No. 42,053. 6 Claims. (Cl. 175—115.)



1. An electric lighter for the burners of gas stoves having valves regulating the supply of gas thereto, an electrical ignition system including a primary circuit and a secondary circuit, a sparking device associated with each burner of the stove, said sparking devices being embodied in the secondary circuit of the ignition system, and means including a single circuit maker and breaker arrangement separate from and independent of the electrical ignition system operable from any of the valves for making and breaking the currents when any valve is turned on.

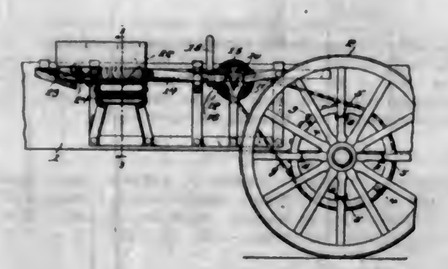
1,635,105. TIRE RIM. BENJAMIN J. ZOBEL, Buffalo, N. Y. Filed Mar. 29, 1926. Serial No. 98,282. 3 Claims. (Cl. 301—35.)

1. A rim of the class described comprising two sections, headed lugs on the inner faces of the sections, a locking plate having pairs of keyhole-shaped slots therein for receiving the lugs, each pair of slots being convergent so that when the locking plate is moved forwardly to cause the lugs to engage the narrow portions of the slots, the sections will be drawn together, said locking plate



having a hole therein and a projection carried by the rim for engaging the hole when the locking plate is in locking position, said plate being of spring metal.

1,635,106. MEANS FOR HEADING AND LOADING KAFIR CORN, MAIZE, AND THE LIKE. CONLEY T. BARKER, Gate City, Va. Filed Aug. 28, 1924. Serial No. 734,807. 1 Claim. (Cl. 56—56.)



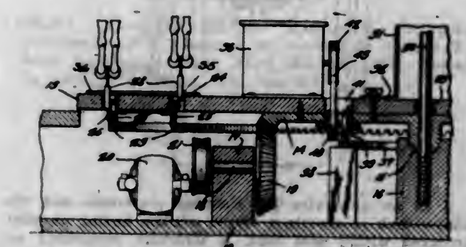
In a row header, the combination of a wheeled body having a side wheel, a frame detachably hung on and bearing against said side wall of the body and having a portion projecting laterally from said side wall, a spur included in said portion and arranged adjacent said wheel, a transverse shaft mounted between and carried by the spur and said frame, a driving connection between one of the wheels of the body and said transverse shaft, a miter gear on said shaft, a longitudinal shaft carried by said frame and having a forward crank portion, a miter gear keyed on the rear portion of the longitudinal shaft and adapted to be meshed with the first-named miter gear, a lever for moving the second-named gear into and out of engagement with the miter gear, an endless conveyor carried by the laterally projecting portion of said frame and arranged to be driven by said longitudinal shaft, and cutting mechanism carried in front of the outer portion of said laterally projecting portion and having a reciprocatory cutter bar connected with the said crank portion of the longitudinal shaft.

1,635,107. CELLAR-DOOR HINGE. HYMAN BLUM, Pittsburgh, Pa. Filed Apr. 10, 1925. Serial No. 22,237. 4 Claims. (Cl. 16—135.)



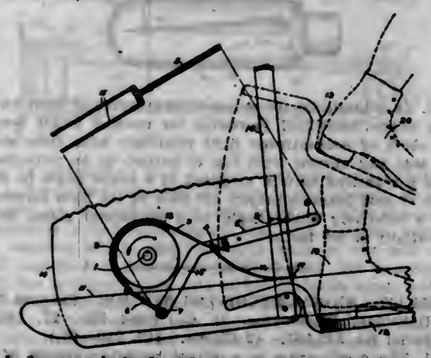
1. In a cellar door, a hinge-box having an anchor flange and an inclined bottom, a hinge member revolubly mounted in the walls of the hinge-box, a plurality of transverse ice-cutters formed on the rear and downwardly extending portion of the hinge member, for removing ice from the rear side and bottom of the hinge-box when the hinge member is revolved on its pintles.

1,635,108. MERRY-GO-ROUND. GUSTAV A. BLUTHARDT, Dorchester, Mass. Filed Jan. 4, 1926. Serial No. 79,223. 2 Claims. (Cl. 272—68.)



1. In a merry-go-round, circular spaced track ways, traction wheels arranged in pairs for movement over said track ways, bars having their ends eccentrically connected to adjacent pairs of wheels, upwardly extending arms at the ends of said bars, figures carried by said arms and means having operative connection with said wheels for imparting movement to the same over said track ways.

1,635,109. VELOCIPEDE BRAKE. JULIEN A. BRIED, Oakland, Calif., assignor to H. C. White Company, North Bennington, Vt., a Corporation of Vermont. Filed June 3, 1922. Serial No. 565,594. 4 Claims. (Cl. 188—20.)

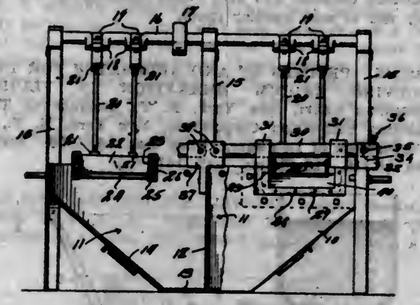


1. In a velocipede of the character described, an operating pedal pivotally supported on the vehicle and having a free end, a vertically arranged guide against which the free end of the pedal is movable up and down, and a brake for the velocipede having an operating lever projecting through and guided by a slot in said guide.

1,635,110. PAINT. JOHN J. RUCKER BRISTOW, Tampa Shores, Fla., assignor to John W. Beach, Tampa, Fla. Filed Feb. 8, 1926. Serial No. 86,937. 2 Claims. (Cl. 134—50.)

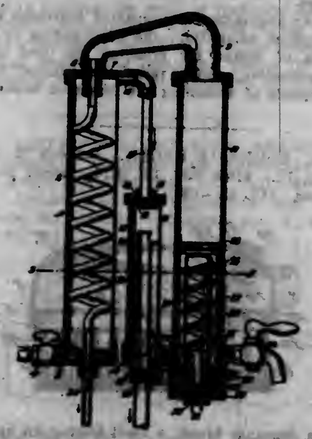
1. A coating composition comprising the following ingredients mixed together in approximately the proportions stated by weight; kaolin, from 60 to 65 parts; silicate of soda, from 25 to 30 parts; zinc oxide, from 6 to 9 parts; casein, from 3 to 7 parts.

1,635,111. GRAVITY SEPARATOR FOR GARNET ORES. FRANCIS B. BURNS, North River, N. Y. Filed Apr. 27, 1926. Serial No. 104,994. 4 Claims. (Cl. 209—425.)



1. An ore separator of the character described including a tank having a discharge gate in its bottom, a screen frame open at one end and carrying a screen, the open end of the screen discharging through an end wall of the tank, power operated means for giving vertical oscillation to the tank, and including two vertically reciprocable rods connected to that end of the screen remote from its discharge end, the screen being connected to each rod for vertical adjustment, a transversely extending horisontal support for the discharge end of the screen pivotally mounted at one end and means for vertically adjusting the other end of the pivotal support to thereby adjust the screen in a vertical plane.

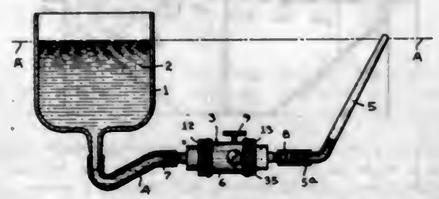
1,635,112. HOUSEHOLD STILL. WILBUR J. CARLSON, Rochester, and JAMES J. LANAHAN, Buffalo, N. Y. Filed June 29, 1925. Serial No. 40,207. 2 Claims. (Cl. 203—5.)



1. In a household still, in combination, an upright tubular inlet chamber having an inlet connection for

communication with a tap, an upright tubular vaporizing chamber, a relatively short elbow connected to the top of said vaporizing chamber and in open communication with the same and also connected to the top of said inlet chamber, a condensing coil located in said inlet chamber with one end connected to said elbow and the other end projecting externally, a pipe connected to said inlet chamber at its upper end and extending downward from its point of connection in the space between said chambers, an upright shell also located within the space, a nipple connecting the lower end of said shell and the lower end of said vaporizing chamber, said pipe being connected at its lower end to the top of said shell, an overflow pipe in said shell having a drainage connection through the bottom of said shell, and an electric heating element in the lower portion of said vaporizing chamber, said heating element providing an annular space in said vaporizing chamber and said nipple discharging into the lower end of said annular space.

1,635,113. PROCESS OF AND APPARATUS FOR DISSOLVING RADIUM EMANATION IN FLUIDS. ARMANDO CERVI, New York, N. Y., assignor to The Radium Emanation Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1926. Serial No. 95,119. 13 Claims. (Cl. 167—7.)

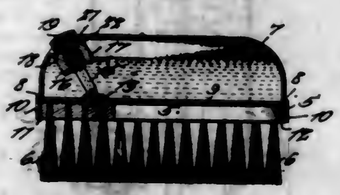


7. An activated liquid carrying radium emanation impregnated therein in which diluting fluids are substantially absent.

12. Apparatus for preparing activated fluids containing radium emanation for internal administration comprising a receptacle having a fluid present to seal the receptacle from the atmosphere, a crushing mechanism in operative connection with said receptacle, a fragile seed in said crushing mechanism having present radium emanation capable of being liberated on crushing, and going into solution in the fluid, an administering conduit adapted to receive the activated solution and a hydrostatic head to positively administer the activated fluid and prevent the same from coming in contact with the atmosphere.

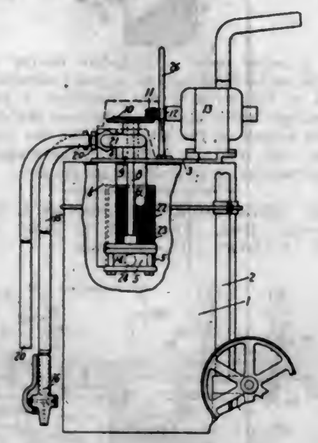
13. In an apparatus for preparing activated fluids containing radium emanation, the combination in operative connection of means for crushing the seed containing radium emanation, and a receptacle adapted to contain a fluid capable of absorbing the liberated radium emanation.

1,635,114. FOUNTAIN BRUSH. NORMAN M. COTTRELL, Chicago, Ill. Filed Nov. 13, 1926. Serial No. 148,249. 3 Claims. (Cl. 15—138.)



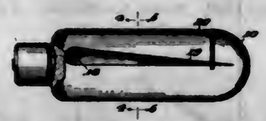
1. In a fountain brush, a shell having an aperture the said shell being indented and provided with an inwardly extending flange around the aperture, a threaded bushing in the aperture, an externally threaded valve in the bushing, an apertured partition in the shell, said partition having a valve seat at the aperture adapted to coact with the aforesaid valve, a brush head having tufts of bristles through which fluid may penetrate, and means for securing the head of the brush in the shell in close proximity to the partition.

1,635,115. APPARATUS FOR CLEANING CONTAINERS AND THE LIKE. LEO DEUTSCH and FERDINAND A. PFEIFER, Springfield, Ohio; said Pfeifer assignor to said Deutsch. Filed Oct. 21, 1925. Serial No. 63,912. 33 Claims. (Cl. 184—1.5.)



1. In an apparatus for cleaning containers and the like, a tank to contain a liquid, a pump having an inlet arranged within said tank, a structure comprising an inlet chamber communicating with the inlet of said pump and having a foraminous wall, a conduit connected with said pump and adapted to discharge a stream of liquid into a container which is to be cleaned, means for withdrawing the liquid from said container, and discharging the same against the foraminous wall of said inlet chamber, and means for operating said pump.

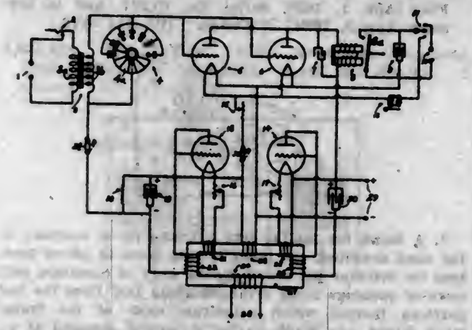
1,635,116. HEADLIGHT. WINFIELD R. DU BREUIL, Elmhurst, Ill. Filed Jan. 9, 1925. Serial No. 1,474. 7 Claims. (Cl. 176—34.)



1. In a headlight for automobiles a source of light having means associated therewith for causing a flat beam or shaft of concentrated light relatively wide from side to side and narrow from top to bottom to be projected, and a reflecting surface arranged at a slight angle to the line of said beam to project the bulk of the light forward at a relatively slight angle to a horizontal plane, substantially as set forth.

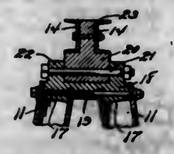
1,635,117. SIGNAL-RECEIVING SYSTEM. FRANCIS W. DUNMORE, Washington, D. C. Filed Feb. 27, 1922. Serial No. 539,591. 12 Claims. (Cl. 250—27.)

1. The combination in a signal receiving system of a source of audio frequency signals, a plurality of thermionic vacuum tubes having grid, filament and plate electrodes, an audio frequency input circuit including each of said grid electrodes and an output circuit including each of said plate electrodes, a source of alternating current power supply, means associated with said alter-



nating current power supply for impressing a negative potential on said grid electrodes, and a positive potenial on said plate electrodes and energizing said filament electrodes and a relay in said output circuit and arranged to respond to said source of audio frequency signals.

1,635,118. PUMPING BEAM. HAROLD G. DURNELL, Bartlesville, Okla., assignor of one-half to Samuel T. Steel, Bartlesville, Okla. Filed Mar. 28, 1925. Serial No. 19,077. 2 Claims. (Cl. 74—5.)



1. In a device of the character described, a base, hollow posts rising therefrom in convergent relation, a bearing block including portions fitted in the upper ends of the said posts, and having its upper surface recessed, a pumping beam, a support therefor fitted within the recess of said bearing and pivotally associated with the latter, guy rods bracing said posts, a counterbalance suspended from one end of said beam, and means for operating said beam.

1,635,119. UTENSIL LIFTER. WOJCIECH DZIUBA and MIECZYSLAW GOLINSKI, Bayonne, N. J. Filed June 30, 1926. Serial No. 119,681. 3 Claims. (Cl. 53—7.)



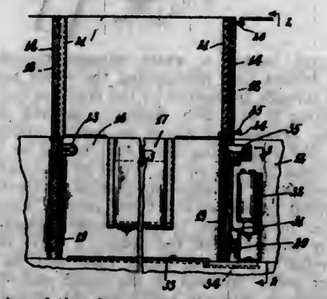
1. In combination with a utensil having a socket thereon and provided with aligned slots in the opposed walls thereof, an inclined seat in said socket, a lifter element comprising a hollow elongated handle, a resilient member enclosed within said handle, a head on one end of said handle and having an inclined face for co-action with the inclined seat in said socket, yieldable latch bolts extending outwardly from opposite sides of said resilient member and extending into said slots, and finger pieces on said resilient member extending through slots in opposite sides of said handle for manually retracting said latch bolts from said slots for facilitating the removal of said lifter element from said utensil.

1,635,120. UNION ALL. CHARLES S. FURMAN, Lansing, Mich., assignor to Furman Inventions Corporation, Lansing, Mich., a Corporation of Michigan. Filed Sept. 24, 1926. Serial No. 137,574. 4 Claims. (Cl. 2—79.)



1. A unionall comprising leg and body portions, said body portion having front and back openings and a two-part collar disposed between the openings, means for securing the front opening in closed position, means for securing the back opening in closed position, and reinforcing strain relieving straps arranged in the back of the body portion and secured in cross-wise relation with respect to each other and to the back opening.

1,635,121. ANTIHOLDUP DEVICE. AARON GOODMAN, New York, N. Y. Filed Mar. 3, 1926. Serial No. 92,095. 5 Claims. (Cl. 268—2.)



1. A device of the class described, comprising an armor plate in a hidden position, springs to project the said plate to a shielding position, means for normally retaining said armor plate in the hidden position, escapement mechanism for permitting a partial projection of said armor plate to position the same in readiness for a later complete projection, manually controlled means for controlling said escapement mechanism and for releasing the said retaining means, and indicating means for disclosing the position of the partial projection of said armor plate.

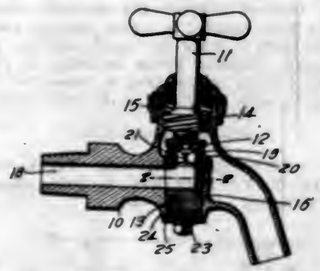
1,635,122. DISPENSING-CONTAINER SEALING DEVICE. CHAPMAN D. HENRIQUES, Larchmont, N. Y. Original application filed Dec. 21, 1921, Serial No. 523,949. Divided and this application filed Jan. 5, 1924, Serial No. 684,615. Renewed Apr. 8, 1927. 1 Claim. (Cl. 221—11.)



In a sealing device for a container provided with an opening, a tubular member of sheet metal forming a discharge neck, said member being formed with a section at

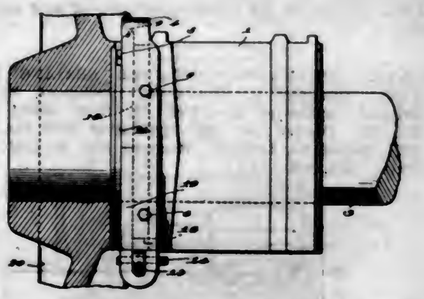
one end fitting into said opening, a sheet metal member presenting a seat member formed with a tubular portion extending through said opening but within the section on said neck, a tapering boss presenting a seat and a flange overlapping part of said section, means for securing said flange to said neck, a sealing plug formed with an annular flange, said sealing plug co-acting with said seat for closing the same, said sealing plug being positioned with the flange internal of said seat whereby the sealing plug can only be removed by being pushed inwardly, said neck being formed with threaded side walls and a removable threaded plug adapted to be screwed into said neck for closing the opening in said container when said sealing plug is removed.

1,635,123. FAUCET. FREDERICK J. HERMAN, Sacramento, Calif. Filed Nov. 23, 1926. Serial No. 150,266. 1 Claim. (Cl. 277—66.)



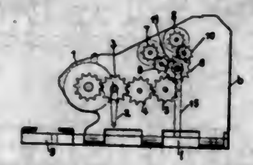
A faucet having a water passage therethrough, a vertical conical bore intercepting the water passage and opening through the bottom of the faucet, a conical valve-plug seating in said bore, means on the end of the plug extending beyond the faucet to permit turning of the plug, a nut cooperating with such means to secure the plug in fixed relation to the faucet at will, said plug being formed with a continuous passage horizontal in part and vertical in part to selectively provide a continuation of or an interruption to said water passage, a stem vertically adjustable in the faucet, a valve disk removably carried by the stem, and a valve seat for said disk, said seat being threaded in the upper end of the plug and having a diameter less than the diameter of the proximate end of the plug to avoid interference with the complete seating of the plug in the bore.

1,635,124. LATERAL-MOTION BEARING FOR JOURNAL BOXES. AUGUSTUS F. HODGO, Weatherly, Pa. Filed Nov. 1, 1926. Serial No. 145,629. 6 Claims. (Cl. 308—165.)



1. In a journal box, a substantially U-shaped retaining member at the open end of the body of the journal box, a lateral motion bearing fitting in said retaining member, and a removable key extending across the end portions of the legs of the retaining member for preventing displacement of the said bearing member.

1,635,125. CALCULATING MACHINE. HERMANN HOFFMEISTER, Gliesmarode, near Brunswick, Germany, assignor to Grimme, Natalis & Co. Aktiengesellschaft, Braunschweig, Germany, a Corporation of Germany. Filed Apr. 1, 1925, Serial No. 19,937, and in Germany Apr. 8, 1924. 3 Claims. (Cl. 113—116.)



1. A blank for folding into a frame for a machine of the class described, the blank having holes to afford bearings for machine parts and spaced rows of openings, said rows of openings being arranged along fold lines for end portions thereof which constitute sides of the frame when joined, the blank having a portion disposed at an angle to said rows to constitute a base for another machine part, the blank being notched at the junction of said portion with the remainder of the blank and in line with both rows of openings.

1,635,126. APPARATUS FOR DELIVERING MEASURED QUANTITIES OF A FLUENT MATERIAL. BOHUMIL JIROTKA, Berlin, Germany, assignor to the Firm Dr. Otto Sprenger, Patentverwertung Jirotka mit beschränkter Haftung, Vaduz, Germany. Filed May 27, 1926, Serial No. 112,091, and in Germany Dec. 29, 1923. 7 Claims. (Cl. 73—62.)



1. An apparatus for delivering a plurality of measured quantities of fluent material, comprising a vessel, partitions dividing said vessel into compartments, means of communication between said compartments operative when the vessel is filled for permitting the fluent material to seek a common level in all said compartments, and means for simultaneously closing said communication means and discharging the fluent material from all said compartments in separate streams.

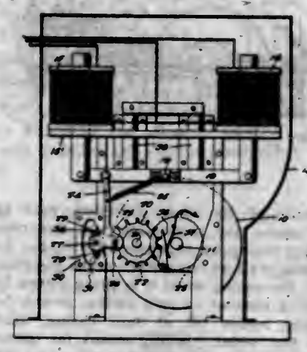
1,635,127. KEYBOARD CLEANER. ISAAC KIRSNER, Bronx, N. Y. Filed Aug. 27, 1926. Serial No. 131,986. 2 Claims. (Cl. 15—210.)



1. A keyboard cleaner comprising an elongated member having an exterior surface of polishing material, one side of said member having spaced transverse slots provided therein opening onto the side edges of said member, and flanges extending beyond one of the sides of said

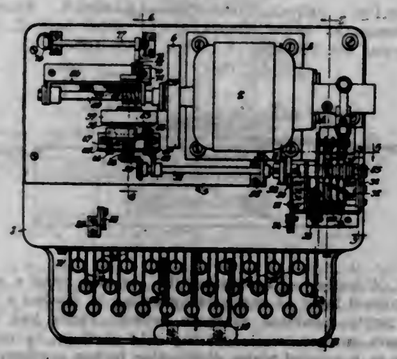
member intermediate said recesses adapted to pass under the fall board and a handle member extending from the opposite side edge of said member, substantially as and for the purpose specified.

1,635,128. INDICATOR. JOHN KLASNICH, Cleveland, Ohio. Filed Sept. 26, 1923. Serial No. 664,991. 2 Claims. (Cl. 40—59.)



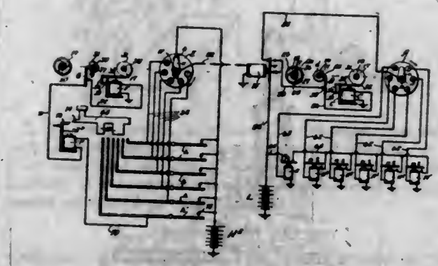
1. A device of the character described including a rotatable drum, a lever pivoted intermediate its ends adjacent the drum, a solenoid supported at each end of the lever, springs bearing against the lever at opposite sides of the pivot point for normally retaining the lever in horizontal position, a toothed wheel supported adjacent the drum, means forming operative connection between the toothed wheel and the drum, means for consecutively energizing either of said solenoids at predetermined times for imparting rocking movement to the lever, means carried by the lever and having operative connection with the toothed wheel whereby to impart movement to the same upon pivotal movement of the pivoted lever in either direction and a spring pressed pawl cooperating with the toothed wheel to normally maintain the same against movement.

1,635,129. TELEGRAPH TRANSMITTER. CHARLES L. KRUM and HOWARD L. KRUM, Chicago, Ill., assignors, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Original application filed Dec. 23, 1919, Serial No. 346,948. Divided and this application filed Aug. 24, 1922, Serial No. 583,975. Renewed May 4, 1927. 37 Claims. (Cl. 178—33.)



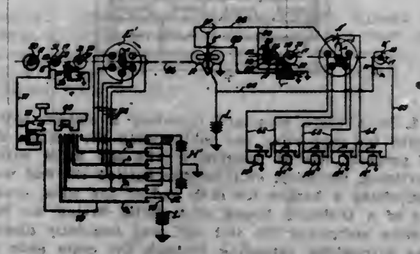
1. In a signalling apparatus, transmitter switch contacts, a set of selectors, a rotary cam member having a series of successively operative sections for effecting the operation of said contacts variably in accordance with the setting of said selectors and thereby transmit a corresponding succession of impulses, a power-driven start and stop clutch for rotating said cam member, a key board and solely mechanical means actuated by said key-board for setting said selectors and tripping said clutch.

1,635,130. TELEGRAPH SYSTEM. HOWARD L. KRUM, Chicago, Ill., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Original application filed June 30, 1916, Serial No. 106,925, Patent No. 1,434,290, dated Oct. 31, 1922. Divided and this application filed Oct. 30, 1922, Serial No. 597,895. Renewed May 2, 1927. 21 Claims. (Cl. 178—33.)



1. A telegraph system including a line conductor and a source of current in series therewith, a set of selectable contacts arranged to close or open said line circuit dependent upon their selected or non-selected condition, means for selectively operating said contacts, a distributer mechanism movable from a normal position to successively bring said contacts into series relation with the line, a relay in circuit with said line responsive to the opening and closing thereof, a local circuit including a second distributer mechanism under the control of said relay, and means dependent upon the movement of said first mentioned distributer mechanism from its normal position to initially open said line circuit to initiate the operation of said second distributer mechanism.

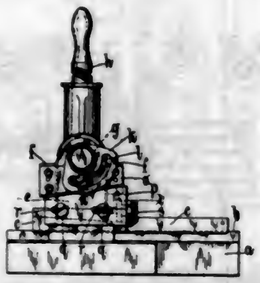
1,635,131. SELECTIVE TELEGRAPH SYSTEM. HOWARD L. KRUM, Chicago, Ill., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Original application filed June 30, 1916, Serial No. 106,925, Patent No. 1,434,290, dated Oct. 31, 1922. Divided and this application filed Oct. 30, 1922, Serial No. 597,896. Renewed May 10, 1927. 13 Claims. (Cl. 178—33.)



1. A telegraph system wherein the characters are represented by permutations of a definite number of two different impulses, including a line conductor, means for sending code impulses over said conductor, receiving dis-

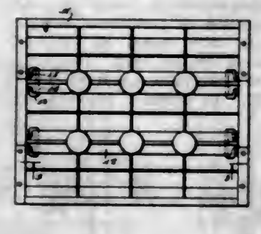
tributing mechanism comprising contacts and a member adapted to be continuously advanced during each operation to successively complete circuit through said contacts, electro-magnets in circuit with said contacts, said mechanism having a rest position in which a circuit through one of said electro-magnets is completed through said mechanism, a receiving relay responsive in two different ways to the code impulses, and means responsive to both operations of said relay to start said mechanism and to one only of said operations to complete an energizing circuit through the rest position of said mechanism and the connected electromagnet.

1,635,132. PRESS FOR PRINTING, EMBOSSING, OR THE LIKE. ROLLS PERCIVAL LINK, London, England. Filed Mar. 17, 1926. Serial No. 95,370, and in Great Britain Dec. 18, 1925. 5 Claims. (Cl. 101—3.)



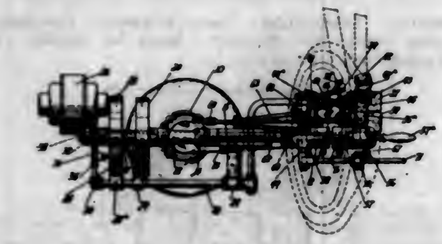
1. An embossing press comprising a lower ram plate, an upper ram plate, standards on the lower ram plate serving as guideways for the upper ram plate, a shaft mounted to rock in bearings in the standards, an operating handle arranged at a central part of the shaft, cams on the shaft between the said handle and the shaft bearings whereby the said upper ram plate can be depressed, grooved plates carried by the shaft, and means carried by the upper ram plate and working in the grooves of said plates to limit the movement of the upper ram plate.

1,635,133. CRATE. JOHN F. MAURER, Jr., Woodcliff, N. J. Filed Aug. 10, 1926. Serial No. 128,387. 3 Claims. (Cl. 217—10.)



1. In a crate structure including a slatted bottom, means for supporting and maintaining the bottom slats in properly related position to the end walls without mortising, recessing, or otherwise cutting the end walls, comprising a hanger for each end of the slats, consisting of a U-shaped length of material having the bight portion embracing the slat end, and angularly disposed free extremities extending through the crate ends and locked in place, the slat-embracing portion being disposed at an angle to the remainder of the hanger, whereby to position the slat-embracing portion in spaced relation to the end of the slat.

1,635,134. TIRE-FINISHING MACHINE. LLOYD E. MCCARDY, Racine, Wis., assignor to The Racine Horseshoe Tire Company, Racine, Wis., a Corporation of Wisconsin. Filed May 20, 1925. Serial No. 31,547. 16 Claims. (Cl. 154—10.)



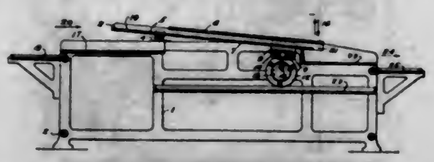
1. Apparatus of the class described, said apparatus comprising means for supporting and circumferentially driving a tire casing by engagement with the inner surface of its side wall at one point, means yieldingly urged against said tire casing while it is being driven for applying a finishing element to said casing, means for lifting said applying means off of said casing, said means including a foot pedal, yielding means for operating the foot pedal to maintain the applying means on the casing, and an additional means for lifting the applying means off the casing independently of said pedal and said yielding means.

1,635,135. BELT BUCKLE. EDWIN S. MIX, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., a Corporation of New York. Filed Apr. 9, 1923. Serial No. 630,682. 6 Claims. (Cl. 24—191.)



1. A buckle comprising a buckle frame, a clamping member pivoted to the buckle frame and means held in a rigid relation to the frame and having a resilient portion for engaging that side of the belt opposite the side engaged by the clamping member and directly opposite the portion engaged by the clamping member.

1,635,136. SEPARATION OF CARAMELS. FRANÇOIS FERDINAND MOLIÉ, Genoa, Italy. Filed Mar. 7, 1923. Serial No. 623,528. 3 Claims. (Cl. 107—7.)



3. A method of separating the caramels from a partly separated layer of caramels consisting in moving a layer of partly separated caramels between upper and lower impact surfaces while causing said surfaces to reciprocate in a vertical plane, discharging broken portions from the caramel layer through one of said surfaces, and finally discharging the caramels from between said surfaces.

1,635,137. BONE CLAMP. CLARENCE E. MULLENS, Albany, N. Y. Filed Jan. 11, 1927. Serial No. 160,438. 10 Claims. (Cl. 128—346.)



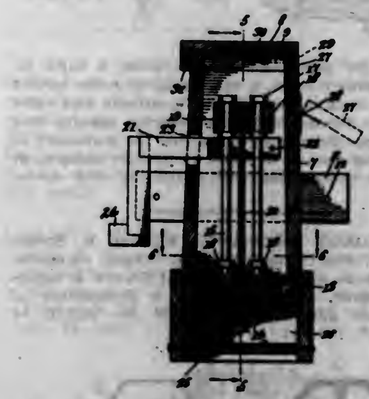
1. A bone clamp including a body, a pair of spaced stationary jaws rigidly connected to said body, a pair of spaced movable jaws movably connected to said body and cooperating with the stationary jaws, means for independently adjusting the movable jaws, and means for locking said jaws in any desired position of relative adjustment.

1,635,138. EYEGLASS CONSTRUCTION. GEORGE E. NEARNEY, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Nov. 24, 1926. Serial No. 150,414. 13 Claims. (Cl. 88—42.)



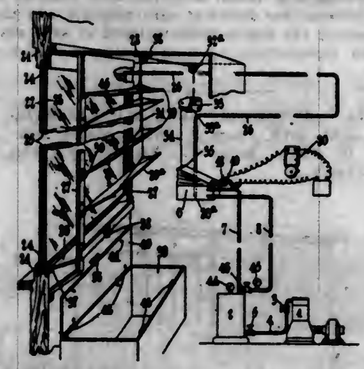
1. In eyeglass construction, in combination, a non-metallic eyeglass rim member, a metal member of tubular form mounted upon said rim member, said tubular metal member having a flange extending into said non-metallic material and rigidly secured therein, and a metal nose member clamped within said tubular member and extending outwardly therefrom.

1,635,139. POWDER DISPENSER. GEORGE ELLIS NECKLES, Zanesville, Ohio, assignor of one-half to Gust N. Calis, Zanesville, Ohio. Filed Aug. 29, 1924, Serial No. 735,028. Renewed May 20, 1927. 4 Claims. (Cl. 221—62.)



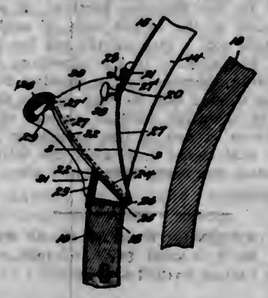
1. A powder dispenser comprising a receptacle for the powder having a perforated bottom, valve pins in the receptacle disposed loosely in the perforations of the bottom, collars on said valve pins adapted to close the perforations when the pins are lowered, said collars being substantially spaced from the walls of the powder receptacle to allow free flow of the powder to the perforations in the bottom, and means to raise and lower the pins with the collars thereon.

1,635,140. MEANS FOR THE PROTECTION OF JEWELERS' WINDOWS AND THE LIKE. MORGAN CYPRIAN MCMAHON O'BRIEN, Auckland, New Zealand. Filed Oct. 12, 1926, Serial No. 141,216, and in Great Britain June 10, 1925. 6 Claims. (Cl. 20—101.)



1. In combination, a window, an element disposed in said window having a vacuum chamber therein, a trip gear associated with and adapted to be released upon fracture of said element, and window contents protecting means controlled by said trip gear.

1,635,141. SUPPLY DOOR FOR WASH WHEELS. WILLIAM O. OLSON, East Orange, N. J., assignor to Asher Manufacturing Company, Irvington, N. J., a Corporation of New Jersey. Filed Apr. 28, 1925. Serial No. 26,535. 10 Claims. (Cl. 220—32.)



1. In a wash wheel, in combination, a drum having an opening therein, a main door slidable to close said opening and having a supply opening therein, a shutter for said supply opening, and means pivoting said shutter to said door within the space enclosed by the inner walls of said drum.

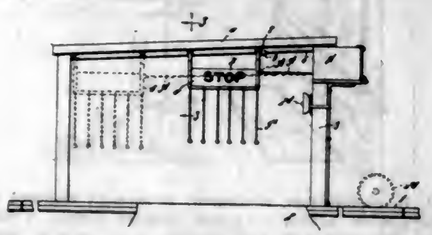
1,635,142. EYEGLASS CONSTRUCTION. WILBUR H. SIDDALL, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Nov. 18, 1926. Serial No. 149,061. 27 Claims. (Cl. 88—42.)



18. In eyeglass construction, in combination, a non-metallic rim, a metal nose member; and means for securing said nose member to said rim, said means in-

cluding a sheet metal member having a part resting exterior of the periphery of said rim and beneath which an end portion of said nose member is received, securing means acting between one of said members and the rim and entering the non-metallic material of said rim in a substantially radial direction, and securing means acting between the latter of said members and the rim and entering the non-metallic material of said rim in a direction substantially at right angles to said first direction.

1,635,143. AUTOMATIC RAILWAY-CROSSING SIGNAL AND BAR. SAM P. SMITH, Cabot, Ark. Filed July 11, 1926. Serial No. 725,468. 1 Claim. (Cl. 246—129.)



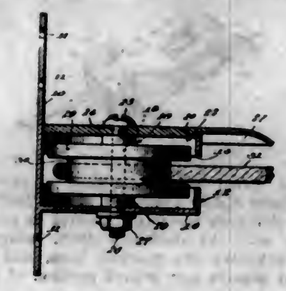
In a crossing safety device, the combination of uprights arranged at opposite sides of a crossing, a drag rod secured between said uprights at their upper ends, a gravitational signal member movable on said rod in the direction of the length thereof and to and from a position in coincidence with the crossing, said signal member including a frame, a body mounted in said frame, arms having forked upper ends and having their lower ends secured to the opposite portions of said frame, wheels journaled in the forked ends of said arms and mounted on said rod, a stop on the rod for limiting the movement of the member in one direction, means controlled by a train approaching the crossing for actuating said means for moving said member against the action of gravity and to operative position against said stop, illuminating means carried by one upright in confronting relation with said signal only when the latter is in its operative position and being illuminated when said signal is in said position.

1,635,144. COUPLING. WILLIAM GRANT STEVENS, Jr., New York, N. Y. Filed Dec. 18, 1926. Serial No. 155,737. 8 Claims. (Cl. 74—58.)



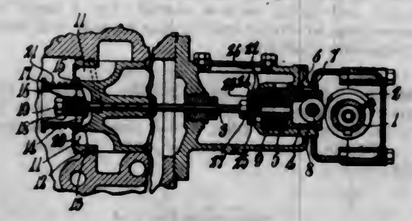
1. A coupling for two adjacent movable blocks, one of said blocks having a bore open at one end, a coupling member extending from the other block in position to enter said bore on movement of one of said blocks against the other block, an abutment within said bore, a latch member movably supported on said coupling member and normally disposed in position to clear said abutment when said blocks are moved together, and electro-magnetic controlled means for moving said latch member to position to engage said abutment on a definite retrograde movement of said coupling member in said bore during energization of the electromagnet, whereby complete withdrawal of said coupling members from said bore will be prevented and the blocks will be coupled together.

1,635,145. LINE PULLEY. ALBERT WATKINS TAYLOR, Peckville, Pa. Filed June 22, 1926. Serial No. 117,801. 2 Claims. (Cl. 254—190.)



1. A line support comprising a cylindrical housing having a wall provided with a plurality of arcuately shaped slots, a base member formed integrally with the wall, a securing plate integral with and forming part of the wall, said plate projecting beyond said wall, a convexed cover plate for the housing having a water shed projecting beyond the wall and a shoulder snugly engaging the inner face of the wall, said base and cover having alined perforations, a spindle bolt mounted in the perforations and securing the cover to said housing and a pulley in the housing mounted on the bolt, said water shed having a notch to receive the securing plate.

1,635,146. VALVE MECHANISM. WADE H. WINEMAN, Michigan City, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 29, 1924. Serial No. 689,377. 5 Claims. (Cl. 121—167.)



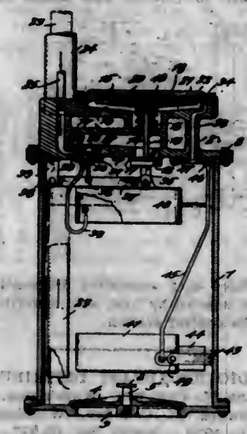
1. In a valve mechanism, a valve stem, a valve resiliently mounted thereon, a cam engaging roller carried by said valve stem, a cam adapted to actuate said valve stem, a means for moving said valve stem towards said cam, and means for positively limiting the movement of said valve stem toward said cam to prevent engagement of said roller by said cam for a portion of each revolution thereof.

1,635,147. METAL SHEETING. RICHARD R. BLOSS, HAVILEN T. STROUT, and HARRY R. ANSEL, Columbus, Ohio, assignors to The International Derrick & Equipment Company, Columbus, Ohio, a Corporation of Ohio. Filed Apr. 5, 1926. Serial No. 99,691. 4 Claims. (Cl. 108—21.)



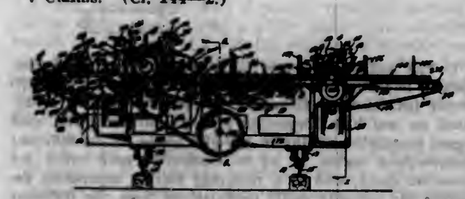
1. A sheeting comprising spaced parallel sheets having perforated depending edge flanges, a cap piece having a web adapted to fit between said flanges and having openings adapted to register in a variety of positions with the openings in said sheet edge flanges.

1,635,148. PUMP. CHARLES I. CHAMBERS, Seattle, Wash. Filed Mar. 6, 1926. Serial No. 92,766. 1 Claim. (Cl. 103—248.)



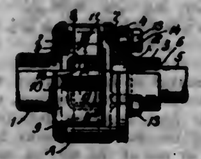
A pressure pump of the submerged type, including a cylinder having a water inlet, a water discharge pipe leading therefrom, an air pressure inlet, an air discharge outlet, valves for said inlet and outlet, a lever for operating the valves, and an open pan adapted to be sealed by the water in the cylinder and designed to receive the air pressure from the inlet, said pan being connected to and operating said lever.

1,635,149. VENEER-CORE MACHINE. SERN MADSEN, Clinton, Iowa, assignor to Curtis Companies, Inc., Clinton, Iowa. Filed Sept. 16, 1925. Serial No. 56,675. 7 Claims. (Cl. 144—2.)



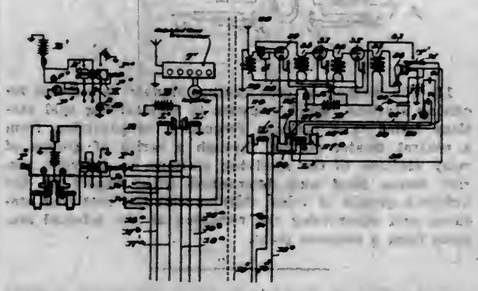
1. In a structure of the class described, the combination of an assembling table, a frame mounted for movement along the end of the table adjacent thereto, means on said frame for dressing and gluing core stock and delivering the stock to the table, and means on said frame for automatically gluing edge strips and delivering them to said table adjacent to the point of delivery from said first means.

1,635,150. SPRING-CROSS YIELDABLE COUPLING. JOHN J. SERRELL, Elizabeth, N. J., assignor to Smith and Serrell, Newark and Mahwah, N. J., a Copartnership consisting of John J. Serrell and Robert A. Smith. Filed Feb. 29, 1924. Serial No. 696,102. 6 Claims. (Cl. 64—26.)



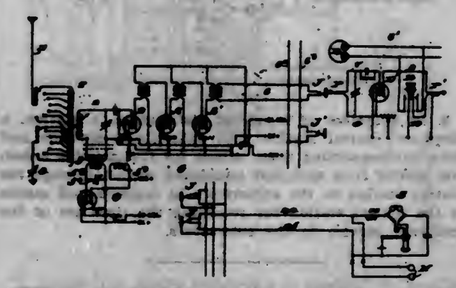
2. The yieldable coupling, comprising two cooperating coupling members each formed with a flange and slotted projections loosely interlocking with the similar projections of the cooperating coupling member and a resilient spring cross connecting member cooperating with the slots in said coupling members to cushion the driving forces between them, said connecting member comprising a plurality of sets of radial straight spring arms having interlocking oppositely directed securing cups of sheet metal formed with slots to accommodate said spring arms and hold their central portions together.

1,635,151. RADIO DISTRIBUTING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed Dec. 21, 1923, Serial No. 681,991. Renewed Mar. 8, 1927. 28 Claims. (Cl. 179—2.)



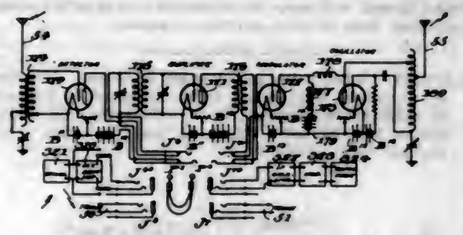
1. The combination of a plurality of telephone substations, a central station, a line radio broadcasting transmitter at said central station, a receiver therefor at each substation, a wire line connecting each substation with the central station and a telephone on each line at each substation, with means at the central station to direct modulated waves from said broadcasting transmitter over said wire lines to said receivers, other means to interconnect the substations for conversation through said wire lines, and means also at said central station supplying operating energy to the receivers at the substations each over its individual wire line.

1,635,152. RADIO BROADCAST SELECTING AND DISTRIBUTING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed Feb. 29, 1924. Serial No. 695,992. 11 Claims. (Cl. 250—6.)



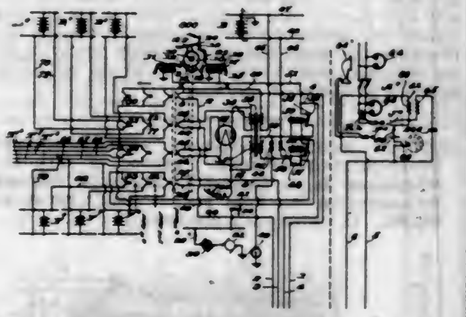
11. In a combined telephone exchange and broadcast system having a central station and subscribers' stations with wire line circuits interconnecting them, a source of electrical signal waves at the central station for broadcast distribution, and a thermionic tube individual to each line arranged to be connected between the said broadcast source and its associated line with its plate circuit directly to line.

1,635,153. SUBDIVIDED SERVICE SYSTEM OF RADIO BROADCAST DISTRIBUTION. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed Oct. 28, 1924. Serial No. 746,357. 19 Claims. (Cl. 250—6.)



11. The method of broadcasting signals to selected receiving stations, which consists in maintaining said stations tuned to a common frequency, broadcasting from a central master station through a series of groups of relay stations to the receiving stations on different carrier waves fixed and determined with respect to the different groups of relay stations and the receiving stations, and supervising the reception at the selected stations from a common point.

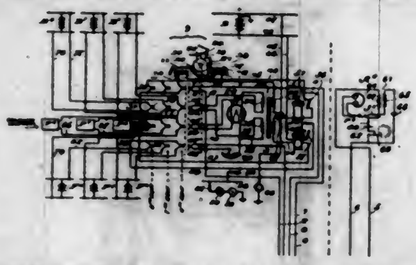
1,635,154. RADIO SERVICE METERING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Original application filed Jan. 6, 1925, Serial No. 913. Divided and this application filed Aug. 1, 1925. Serial No. 47,545. 5 Claims. (Cl. 179—9.)



3. In a system of broadcast distribution, a station, a telephone central station with subscriber's stations and lines interconnecting them, means for transmitting broadcast matter from said first mentioned station through the central station to the subscribers in common and means at the central station for recording the time use of the broadcast service to the subscribers.

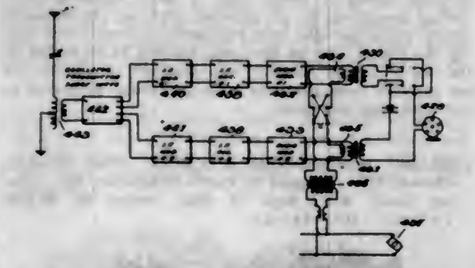
1,635,155. RADIO SERVICE METERING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Original application filed Dec. 6, 1924, Serial No. 754,406. Divided and this application filed Aug. 1, 1925. Serial No. 47,550. 7 Claims. (Cl. 179—9.)

6. In a system of broadcast distribution, a central distributing station, subscribers' stations, means at said central station for distributing different items of broadcast programs to the subscribers, means at the subscribers' stations controlled by the subscribers independently of other subscribers for selecting the available items they individually desire to receive, and means for metering



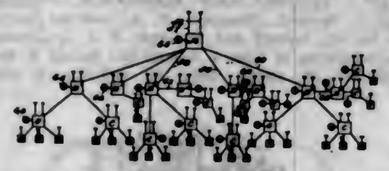
the service rendered each subscriber differentially according to the items selected by him, said metering means being located at the central station.

1,635,156. RADIO BROADCAST DISTRIBUTING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Filed Oct. 21, 1925. Serial No. 63,977. 7 Claims. (Cl. 250—6.)



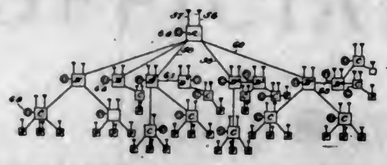
1. The method of secret radio transmission which consists in imposing the same signal modulations on two different intermediate frequency carrier waves both modulated on one high frequency primary carrier wave, said signal modulations being in opposite phase on the different intermediate waves so as to neutralize each other for detection alone, and at a receiving station separately detecting the opposite audio modulations from the different intermediate waves and bringing them into phase so as to augment each other.

1,635,157. RADIO BROADCAST DISTRIBUTING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Original application filed Oct. 28, 1924, Serial No. 746,357. Divided and this application filed June 19, 1926. Serial No. 117,130. 43 Claims. (Cl. 250—6.)



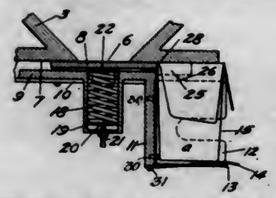
35. The combination of an organized wire system and an organized radio broadcasting system, said wire system carrying a traffic load attaining definite proportions at different hours of the day, and means for adjusting the radio load curve or use of the service, so as to impose a complementary traffic load on the same system of wires, whereby to transmit the ideal flat load curve for both wires and operators.

1,635,158. RADIO BROADCAST DISTRIBUTING SYSTEM. EDWARD E. CLEMENT, Washington, D. C., assignor to Edward F. Colladay, Washington, D. C. Original application filed Oct. 28, 1924, Serial No. 746,357. Divided and this application filed June 19, 1926. Serial No. 117,131. 12 Claims. (Cl. 250—6.)



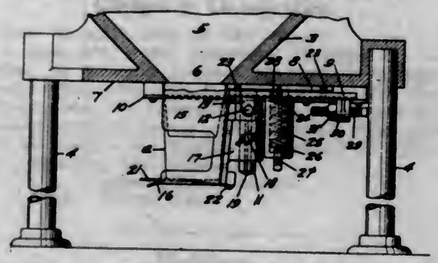
11. In an organized system of radio broadcast distribution, means for transmitting double modulated carrier waves to receiving stations in fixed tune, means for independently transmitting a master wave of exact intermediate frequency over the system, and means to synchronize the transmitted intermediate frequency therewith.

1,635,159. RECEPTACLE-FILLING APPARATUS. CHRISTIAN N. BERGMANN, Pittsburgh, Pa., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 19, 1926. Serial No. 89,337. 19 Claims. (Cl. 226—126.)



1. The combination with a supply reservoir having a bottom outlet opening and a plane under face extending beyond the opening, of a slidably mounted receptacle support having a valve plate fitting against said under face, and resilient means for holding an open top receptacle with its upper edges up against the plane under face of the reservoir bottom.

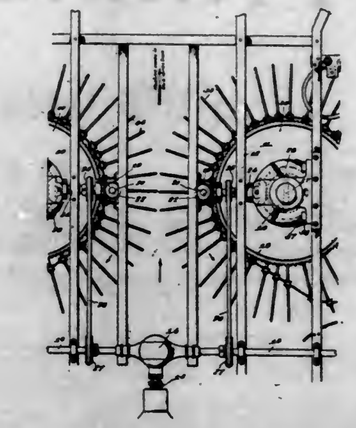
1,635,160. RECEPTACLE-FILLING APPARATUS. CHRISTIAN N. BERGMANN, Pittsburgh, Pa., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed July 21, 1926. Serial No. 123,907. 15 Claims. (Cl. 226—126.)



1. The combination with a supply reservoir having a plane under face, of a slidably mounted holder having a loosely mounted valve plate and a depending mounting stem, and a receptacle support adjustable vertically on the stem.

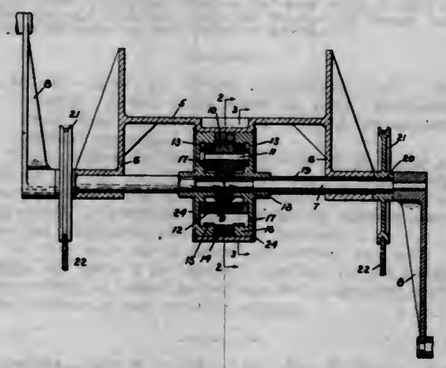
1,635,161. COTTON PICKER. HIRAM N. BERRY, Greenville, Miss. Filed May 13, 1926. Serial No. 108,927. 3 Claims. (Cl. 56—44.)

1. In a cotton picker, a picking cylinder, means for revolving the cylinder, a stationary axial post on which the cylinder is journalled, a series of shafts journalled vertically in the cylinder and around the said post, picking fingers radiating from the cylinder, and geared in groups to said vertical shafts, each of said shafts having upon its upper end portion a loosely mounted gear, a rotating gear sleeved on said post in the upper portion of the cylinder and in constant mesh with the said upper



gears of the several shafts, means upon the upper portion of each of the shafts for clutching its said gear in connection with the shaft and including a controlling spring, gearing for rotating said upper gear of the cylinder, a stationary top plate closing the top of the cylinder and secured to said post, and means controlled by the top plate for shifting the gear clutching means of the several shafts into and out of active position.

1,635,162. HOIST. BRYAN P. JOYCE, Davenport, Iowa, assignor to Thomas A. Conlon, Silver Spring, Md. Filed Sept. 6, 1923. Serial No. 661,273. 2 Claims. (Cl. 254—184.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A hoisting device embodying a bracket, an annular gear secured to the bracket, rotary members formed with annular gears housed in the bracket and positioned on each side of the annular gear, sheaves supported by the bracket and connected to the rotary members, shafts passing through the sheaves and the rotary members, means for rotating the shafts and a gear train interposed between the shafts, the annular gear and the rotary members for transmitting rotation of the shafts to the rotary members and sheaves.

THE

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Trade-Marks	262—No.	220,910 to No. 220,192, inclusive.
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Labels	42—No.	32,456 to No. 32,488, inclusive.
Prints	20—No.	10,032 to No. 10,051, inclusive.
Reissues	10—No.	14,670 to No. 14,679, inclusive.
Designs	40—No.	72,018 to No. 72,057, inclusive.
Patents	819—No.	1,635,163 to No. 1,635,981, inclusive.
Total	1,266	

Changes in Classification.

Order No. 3,016, June 28, 1927, directs:

In *class 137, Water Distribution* (Division 30), establish the following subclass, the patents contained therein having been taken for the most part from class 137, subclasses 156, Pressure-responsive devices, and 157, Pressure-responsive devices, Diaphragm, and from class 297, Thermostats and Humidostats, subclass 8, Thermostats, Expanding fluid, Bellows type:

Pressure-responsive devices

156.5 Bellows type.

Disclaimers.

1,466,887.—*William Sparks*, Jackson, Mich. Liquid-Feeding Device. Patent dated August 28, 1923. Disclaimer filed June 16, 1927, by the assignee by mesne assignments, *Stewart-Warner Speedometer Corporation*.

Hereby enters this disclaimer to all three claims of the specification as issued in said Letters Patent No. 1,466,887, and which are in the following words, to wit:

"1. In a device of the class described an upper chamber and a lower chamber, means for alternating vacuum and atmospheric pressure in the upper chamber, a siphon tube connecting said chambers and having one leg terminating in the upper chamber and its other leg terminating in the lower chamber, a float valve controlling communication of said siphon with the upper chamber, and means for holding said float-valve open when the level of liquid in the upper chamber is below a predetermined point.

"2. In a device of the class described, an upper chamber and a lower chamber, means for maintaining atmospheric pressure in the lower chamber, means for alternating vacuum and atmospheric pressure in the upper chamber, a siphon tube having one leg terminating in the upper chamber and its other leg terminating in the lower chamber, a valve casing associated with the end of said leg terminating in the upper chamber, a float in said chamber adapted to close communication between the upper chamber and said siphon tube, and means for holding said float in a position to permit communication between the upper chamber and the siphon tube when the liquid in the upper chamber is below a predetermined level.

"3. In a device of the class described, an upper chamber and a lower chamber, means for alternating vacuum and atmospheric pressure in the upper chamber and a siphon tube connecting said chambers and having one leg terminating in the upper chamber and the other leg terminating in the lower chamber, a buoyancy-actuated valve controlling communication of said siphon with the upper chamber and means for holding said valve open when the level of liquid in the upper chamber is below a predetermined point, said means comprising a lever arm fulcrumed between its ends with a float at one end and with the other end disposed to engage said valve through the port which it governs."

1,487,042.—*John T. Wilkin*, Connersville, Ind. Gas Meter. Patent dated March 18, 1924. Disclaimer filed June 20, 1927, by the assignee, *Connersville Blower Company*.

Hereby enters its disclaimer to so much of claims 11, 12, 13, 14, 15, 16, 19, 20, 21, 22 and 23, respectively, as may cover a gas meter as specified in said claims, respectively, in which the bearings for the impeller shafts are not antifriction ball or roller bearings.

So that said claims above enumerated, and each of them, will cover a gas meter as specified in said claims, respectively, in which the bearings for the impeller shafts are antifriction ball or roller bearings.

1,523,723.—*Carl R. Houghton* and *John T. Wilkin*, Connersville, Ind. Meter. Patent dated March 3, 1925. Disclaimer filed June 20, 1927, by the assignee, *Connersville Blower Company*.

Hereby enters its disclaimer to so much of claims 1, 2, 3, 4, 5, 6, 7 and 8, respectively, as may cover a gas meter as specified in said claims, respectively, in which the bearings for the shafts of the lobed rotary elements are not antifriction rolling bearings.

So that said claims above enumerated, and each of them, will cover a gas meter as specified in said claims, respectively, in which the bearings for the shafts of the lobed rotary elements are antifriction rolling bearings.

Condition of Applications Under Examination at Close of Business July 1, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 64,714; Trade-Mark Division, 1,301. Oldest new case, Nov. 27, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application awaiting office action.	Oldest action by applicant awaiting office action.	No. of applications awaiting action.
		New.	Amended.	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 28	Apr. 4	628
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Mar. 5	Mar. 8	840
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 1	Feb. 26	1,574
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 4	Jan. 15	1,554
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Jan. 27	Feb. 1	960
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Dec. 2	†Dec. 3	1,544
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 21	Jan. 18	1,347
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 10	Feb. 26	1,708
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 22	Mar. 28	869
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 27	Jan. 21	1,242
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Mar. 4	Feb. 24	911
350	12. PIERCE, P. P., Machine Elements	Jan. 17	Feb. 2	1,254
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 12	Jan. 22	1,395
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 2	Feb. 9	1,289
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 29	Feb. 15	1,493
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Feb. 23	Mar. 16	747
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Dec. 10	†Dec. 6	765
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 3	Jan. 3	1,035
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Jan. 10	Apr. 4	881
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Mar. 11	Mar. 3	947
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 3	Feb. 2	962
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 22	Jan. 5	976
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 31	Jan. 25	880
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Dec. 22	†Dec. 30	1,076
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 5	Feb. 2	1,270
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Jan. 8	888
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 9	Mar. 14	873
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 18	Feb. 28	1,171
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 3	Jan. 6	1,215
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 13	Feb. 15	1,044
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 1	Feb. 1	1,827
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 8	Feb. 8	1,094
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 25	Mar. 28	1,411
304	34. SIMPSON, G. R., Electricity Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Dec. 29	Jan. 3	927
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Apr. 1	1,002
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 28	Mar. 23	1,110
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 5	Feb. 1	1,486
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 1	Mar. 7	1,094
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 8	743
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 17	Feb. 4	2,028
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	770
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 12	Jan. 5	1,488
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 2	Feb. 7	1,202
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 3	Jan. 5	1,286
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 7	Mar. 14	984
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 2	Feb. 2	962
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 3	Mar. 3	1,515
213*	48. ROEPKE, G. B., Electricity, General Applications	Jan. 19	Jan. 25	1,065
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 7	Jan. 20	910
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 1	Mar. 1	1,552
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	†Nov. 27	†Dec. 18	1,390
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 2	Mar. 7	1,193
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 4	Mar. 4	1,260
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,890
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Jan. 3	Jan. 20	641
	55. RICHARD, V. I. (Acting)—Designs	May 31	June 10	576
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	June 10	June 20	1,206
	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Labels and Prints	June 20	June 20	95

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Vial and Starkey.

Decided March 23, 1927.

1. Application—Abandonment—Delay in Prosecution Following Interference Proceeding.

Where an application of V. and S. containing claims standing under rejection was placed in interference on another claim, and after the interference terminated on April 10, 1925, by award of priority of invention to V. and S. they took no further action until January 17, 1927, *Held* that the application is abandoned.

2. Same—Same—Statutory Period for Action Following an Interference Proceeding.

Where the condition of an application requires no further action by the Primary Examiner after the termination of an interference, *Held* that the date the interference decision becomes final marks the beginning of the statutory period for response to any unanswered action by the Office.

3. Same—Same—Examiner Not Required to Advise Winning Party to an Interference Proceeding of Status of Application.

Where it was urged that after the interference terminated the Primary Examiner should have notified the winning party of the status of his application, *Held* that such notification would give the applicants no additional information, would impose an unnecessary burden on the Examiner, and need not be given.

On petition.

Application for patent for wheel breakers.

Messrs. Munday, Clarke & Carpenter for the applicant.

Kinnan, *First Assistant Commissioner:*

The applicants petition the Commissioner to hold this application is not abandoned, that the applicants have been guilty of no delay whatever in its prosecution, that the case is properly awaiting and still awaits action by the Examiner, and, further, that the Examiner be directed to resume jurisdiction of the application and notify the applicants he has done so to the end they may know when the period of one year within which the case must be amended begins to run.

It appears that for nearly two years after the final decision of the Examiner of Interferences awarding priority of invention to the applicants no action was taken by the latter. Petitioners recite that on personal investigation in the Examining Division it has been learned the instant application has been considered by the Examiner to be abandoned and so marked on the division docket, but that no notice of such action was given petitioners.

The record shows that on January 17, 1924, the Examiner made an action rejecting a number of claims and allowing the remainder. On November 15, 1924, a word was changed in one of the allowed claims by Examiner's amendment and on the same date an interference was set up by the Examiner with the changed claim as the single count. On February 12, 1925, another party was added to the interference, the issue remaining unchanged.

The decision of the Examiner of Interferences awarded priority to petitioners, his decision bearing date of April 10, 1925. The decision was based on concessions of priority by the other parties which were construed as waivers of the right of appeal, and therefore no time for appeal was set.

The instant case was returned to the Examiner, and no further action followed until the filing of this petition on January 28, 1927.

The petitioners claim that the Examiner upon return of the application to him should have given notice of this fact and that the case awaited amendment in response to Office action of January 17, 1924; further, that in accordance with the practice in the Office of waiving objections by failing to repeat them in subsequent actions petitioners were entitled to suppose their application was allowable; that the Examiner's amendment of November 17, 1924, in the instant case was such a "subsequent action" and petitioners were entitled to believe that all prior rejections, formal requirements, etc., were waived or withdrawn by the Examiner. It is urged in the petition that if an applicant were advised of the date when his application involved in an interference is restored to the jurisdiction of the Examiner he would know when his statutory year for response, if the condition of the case required one, commenced to run.

The contentions of petitioners are wholly wanting in merit. The Examiner's amendment of November 15, 1924, involved a change of a single word and was made to secure a uniformity of wording of the claim of the parties that was to form the issue. The petitioners could and undoubtedly did see this slight change when the interference was declared. Such change could in no way affect the rejection of other claims, as noted in the Examiner's letter of January 17, 1924.

In the instant case the petitioners not only waited the full year from the decision of April 10, 1925, terminating the interference, but delayed making an inquiry until about January 15, 1927. Counsel for petitioners states, in excuse, that it has long been the practice in the various divisions of the Office for the Examiner to notify a winning party in an interference that jurisdiction has been restored to the Examiner and that the case awaits response to a previous Office action, if such is the condition of the case.

[1] Whatever may be the practice in some of the divisions, petitioners' long delay in making inquiry is not excused thereby. It is the duty of an applicant, after the expiration of a reasonable time for the receipt of an expected Office letter and

after allowing for the arrearages of work in the Office, to investigate the status of his case. The expected letter might have been mailed, but not received by the applicant. In this connection the decision in *Ex parte Engman*, 292 O. G. 213, should be reviewed.

It is noted the rules of this Office do not require an action in the case of a winning party, after final judgment of priority to such party, where there are claims in the application under rejection at the time the interference was declared unless there has been a response made to the rejection. The Examiner in explanation of his failure to notify the petitioners when the case was returned to his jurisdiction after the judgment in the interference refers to the decision in *Ex parte Buchenberg*, 327 O. G. 216. That decision establishes that the Examiner should take no action in a case in which a decision has been rendered by the Examiners in Chief, the Commissioner, or the Court of Appeals of the District of Columbia in an appeal from a rejection of a claim or claims by the Examiner so long as there remains in the case any rejected claim not found allowable by the appellate tribunal and regarding which no responsive action has thereafter been taken by the applicant. The Examiner reasons from this decision that a similar practice should obtain under the circumstances here presented or in any situation where the successful applicant in an interference had previously been called upon to take some action, unrelated to the interference, before the declaration of such interference and no response to such requirement has been made.

[2] This reasoning appears sound. A letter from the Examiner could only repeat what he has said before. The decision of the Examiner of Interferences when it becomes final at its date when no appeal lies, as in the instant case, or at the expiration of the time limit for appeal if no appeal is taken should mark and does mark the beginning of the statutory period for response to any unanswered action by the Office.

As to the benefit to an applicant in being informed when jurisdiction is restored to the Examiner after an interference, the following may be said:

The decision of the Examiner of Interferences always states whether an appeal may be taken therefrom and when the limit of time for appeal expires. This sufficiently indicates when the interference terminates if no appeal be taken. Should an appeal be filed by a defeated party, the winning party must be notified thereof under the provisions of rule 153(*a*) before the appeal is docketed or forwarded.

[3] It is well known that the application files are returned to the Examiner and his jurisdiction restored on the termination of an interference. To require the Examiner to write a letter in the case of the winning party would give such party no further information than he has already been furnished and would impose an unnecessary burden on the Examiner. He is now required under rule 132 to write to the defeated party or parties, and this is considered sufficient.

The petition is denied.

Court of Appeals of the District of Columbia.

LONG *v.* GULICK.

No. 1,868. Decided February 7, 1927.

INTERFERENCE—RIGHT TO MAKE CLAIM.

Where G.'s drawings clearly disclose a piston having the structure of the claim of the count, but L. contends that G.'s structure will not permit free expansion and contraction of the skirt portion, *Held* that the language "said skirt being split from top to bottom on one side only of the pin bosses to permit free expansion and contraction of the skirt portion" of the claim covers the objection, since under the action of heat the circumferential expansion of the skirt would necessarily flex the webs sufficiently to permit the expansion without substantial increase in diameter and that G. can make the claim.

APPEAL from the Patent Office. Affirmed.

Mr. H. H. Knight for Long.

Mr. Ray S. Gehr for Gulick.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents in an interference proceeding in which priority of invention was awarded to the senior party Gulick.

The single count in issue reads as follows:

A piston having a head portion with a ring groove therein, a skirt portion having its cylinder-engaging part separated from the head portion, separated pin bosses having integral flanges connecting them with the skirt on both sides of the bosses and with the head portion respectively, said skirt being split from top to bottom on one side only of the pin bosses to permit free expansion and contraction of the skirt portion.

The party Long moved to dissolve the interference on the ground that Gulick is not entitled to make the claim. The motion was denied by the Law Examiner, and his ruling was sustained on appeal by the Board of Examiners in Chief and by the Commissioner of Patents.

No testimony was taken in the case, and Long being the junior party, the only question to be reviewed is Gulick's right to make the claim.

The drawings of Gulick, we think, clearly disclose the structure of the count. It is contended, however, that his structure is not such as will "permit free expansion and contraction of the skirt portion." But the claim expressly covers this objection in the following language:

Said skirt being split from top to bottom on one side only of the pin bosses to permit free expansion and contraction of the skirt portion.

We think it clear that the object of the split is to permit of this expansion and, as held by the Board of Examiners,

under the action of the heat, the circumferential expansion of the skirt would necessarily flex the webs sufficiently to permit the expansion without substantial increase of the diameter of the skirt.

In this view of the case the right of Gulick to make the claim is beyond question. This point being settled, priority on the record goes to the party Gulick as a matter of course.

The decision of the Commissioner is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

959,879, W. S. Parker, Railway ticket, filed May 13, 1927, D. C., W. D. Mo. (W. Div.), Doc. 824, *W. S. Parker Co.* v. *The Kansas City Southern Ryy. Co.*

961,165, J. F. Rowley, Artificial-limb suspender and back check, filed May 17, 1927, D. C., W. D. N. Y., Doc. 1113, *The J. F. Rowley Co.* v. *C. B. Winn, Inc.*

979,496, H. R. Hughes, Roller boring drill, 1,320,384, Godbold & Fletcher, Drill cutter, 1,480,014, F. L. Scott, Self-cleaning roller drill, filed Apr. 6, 1926, D. C., W. D. Okla. (Guthrie), Doc. E 791, *Hughes Tool Co.* v. *Williams Iron Works et al.* Dismissed without prejudice May 7, 1927.

1,004,505, A. V. L. Verneuil, Synthetic sapphire, filed May 18, 1927, D. C., S. D. N. Y., Doc. E 41/342, *L. Heller & Son, Inc.*, v. *H. Feldman.*

1,007,647, C. R. Darnall, Process of purifying water and sewage, appeal filed May 11, 1927, 2d Cir., Doc. 9657, *Wallace & Tiernan, Inc.*, v. *Village of Le Roy.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp, filed May 14, 1927, D. C., S. D. N. Y., Doc. E 41/314, *General Electric Co.* v. *H. A. Berthold.*

1,019,406, L. H. Baekeland, Composite cardboard, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/243, *Bakelite Corp.* v. *H. Altstaedter.* Consent decree sustaining patent and granting injunction May 10, 1927. Same, filed May 11, 1927, D. C., S. D. N. Y., Doc. E 41/293, *Bakelite Corp.* v. *Insulating Co. of America, Inc., et al.*

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engine, filed May 9, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2214, *H. H. Boyce et al.* v. *The Beacon Motor Lamp Mfg. Co. et al.*

1,108,184, T. Kerner, Garbage and refuse incinerator, filed May 16, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2082, *Kerner Incinerator Co.* v. *Woronow & Rosenfeld* (*Economy Incinerator Co., Inc.*). Doc. 2033, *Kerner Incinerator Co.* v. *R. T. Lee et al.*

1,125,476, G. Claude, System of illuminating by luminescent tubes, filed Mar. 16, 1926, D. C., S. D. Calif. (Los Angeles), Doc. K-12-J, *Electrical Products Corp.* v. *General Sign Co. et al.* Interlocutory decree granting injunction Apr. 18, 1927.

1,141,520, J. E. Bell, Water-tube boiler, Re. 15,210, A. D. Pratt, Superheater boiler, filed Apr. 3, 1922, D. C., S. D. N. Y., Doc. E. 23/267, *The Babcock & Wilcox Co.* v. *Springfield Boiler Co. et al.* Decree on mandate of C. C. A. sustaining claims 4, 6, 7, and 9 of Patent 1,141,520 and claims 1, 2, 4, and 6 of Re. 15,210 and adjudging infringement May 19, 1927.

1,160,315, E. R. Newell, Elevator signaling apparatus, filed Oct. 8, 1924, D. C., S. D. Calif. (Los Angeles), Doc. E 1-23 M, *Elevator Supplies Co., Inc.*, v. *Randall Control and Hydrometric Corp.* Decree dismissing action filed May 9, 1927, on mandate of C. C. A.

1,207,263, C. E. Archbald, Machine for inking ribbons, filed May 7, 1927, D. C., S. D. N. Y., Doc. E 41/285, *C. E. Archbald* v. *F. Simonye* (*Simonye Machine Works*). Same, filed May 9, 1927, D. C., S. D. N. Y., Doc., E 41/288, *C. E. Archbald* v. *Iron Clad Ribbon & Carbon Co.*

1,272,883, H. Adelmann, Ham boiler; 1,497,885, same, Corned-beef cooker, appeal filed May 10, 1927, 2d Cir., *Ham Boiler Corp.* v. *H. Hugo et al.*

1,281,021, 1,389,513, H. F. Kellner, Silt accumulator; 1,281,022, same, Jetty construction, filed May 19, 1927, D. C., Kans. (1st Div.), Doc. 878-N, *H. F. Kellner* v. *G. W. Rehfeld.*

1,281,022. (See 1,281,021.)

1,306,064. J. F. Joy, Loading machine, filed May 17, 1927, D. C., E. D. Ill. (E. St. Louis), Doc. 2568, *Joy Mfg. Co.* v. *The Herzler & Henninger Machine Works et al.*

1,320,384. (See 979,496.)

1,322,511, P. A. E. Armstrong, Stable-surface alloy steel; 1,456,088, same, Heat-treated stable-surface alloy steel; 1,533,782, same, Valve for internal-combustion engines, filed May 12, 1927, D. C. N. Y. (Utica), Doc. 1041, *Ludlum Steel Co.* v. *Halcomb Steel Co.* Same, filed May 12, 1927, D. C., S. D. N. Y., Doc E 41/311, *Ludlum Steel Co.* v. *Crucible Steel Co. of America.*

1,324,639, B. L. Brown, Girl's underwaist, filed May 17, 1927, D. C., S. D. N. Y., Doc. E 41/320, *A. Brown* v. *Gimbel Bros., Inc.*

1,389,513. (See 1,281,021.)

1,411,678, P. Walker, Folding paper box, filed Sept. 14, 1925, D. C., S. D. N. Y., Doc. E 33/270, *Chicago Carton Co.* v. *R. Gair Co.* Consent decree for plaintiff May 18, 1927.

1,420,351, J. F. Wagner, Soil-pulverizing implement; Re. 13,921, W. J. Dunham, Land roller or pulverizer, appeal (6th Cir.), Doc. 4768, *The Dunham Co. et al.* v. *E. W. Cobb.* Claims 1, 3, and 4 of Re. 13,921 and claims 1, 2, 3, 9, 10, 12, 13, 14, and 15 of 1,420,351 held invalid May 13, 1927.

1,432,872, 1,432,873, O. Kroehle, Signal lens; Des. 58,916, same, Front of a signal lens, filed Feb. 14, 1923, D. C., N. D. Ohio (E. Div.), Doc. 837, *The Protex Signal Co.* v. *I. F. Feniger et al.* Claims 3, 6, and 10 of 1,432,873 held valid and infringed, Des. 58,916 valid and infringed, claims 2 and 3 of 1,432,872 valid, May 16, 1927.

1,432,873. (See 1,432,872.)

1,444,332, L. W. Chism, Mail receptacle, appeal (1st Cir.), Doc. 2100, *The Chism Mail Box Co. et al.* v. *S. H. Couch Co., Inc.* Decree affirmed (notice dated May 18, 1927).

1,445,861, B. von Bultzingslowen, Advertising signs, filed May 12, 1927, D. C., S. D. N. Y., Doc. E 41/312, *B. von Bultzingslowen* v. *Murphy & Brode, Inc.*

1,456,088. (See 1,322,511.)

1,456,373, J. Eisenmann, Building block and construction, filed May 2, 1927, D. C., N. D. W. Va., (Wheeling), Doc. 129, *The Manell Building Block & Tile Co.* v. *Suburban Brick Co.*

1,480,014. (See 979,496.)

1,483,581, 1,516,278, G. G. Hegerman, Cinematograph film; 1,516,277, same, cinematograph process and film, filed May 11, 1927, D. C., S. D. N. Y., Doc. E 41/290, *G. G. Hegerman et al.* v. *L. Weiss et al.* (*Weiss Bros.*).

1,497,885. (See 1,272,883.)

1,516,277. (See 1,483,581.)

1,516,278. (See 1,483,581.)

1,531,581, 1,556,173, J. G. Stephenson, Tractor plow, filed June 15, 1926, D. C., N. D. Ga. (Atlanta), Doc. E 400, *Athens Plow Co.* v. *Oliver Chilled Plow Works.* Dismissed May 17, 1927.

1,533,782. (See 1,322,511.)

1,556,173. (See 1,531,581.)

1,573,134, C. W. Bieser, Watchcase and process for making same, filed May 6, 1927, D. C., S. D. Ohio (E. Div.), Doc. 523, *The Gruen National Watch Case Co.* v. *Kay Jewelry Co.*

1,577,150, C. E. Putman, Imitation shake shingle, filed May 7, 1927, D. C. Wash. (Seattle), Doc. 591. *C. E. Putman* v. *Everett Lumber & Shingle Co. et al.*

1,577,743, P. T. Gossett, Bucking automobile, filed May 14, 1927, D. C., N. D. Ohio (W. Div.), Doc. E 763, *A. P. Green et al.* v. *J. Smith.*

1,598,819, J. B. Hill, Apparatus for removing ink from printing press, filed May 14, 1927, D. C., W. D. Mo. (W. Div.), Doc. 825, *Clean-A-Press Machine Co. et al.* v. *The Commercial Lithographing Co.*

1,622,989, J. P. Benjamin, Extension member for wrist-watch strap, filed May 16, 1927, D. C., R. I., Doc. 268, *Rex Mfg. Co.* v. *Kestenman Bros. Mfg. Co.*

1,626,586, F. D. Sprague, Automatic brake-control apparatus, filed May 9, 1927, D. C., S. D. N. Y., Doc. E 41/287, *Sprague Safety Control & Signal Corp.* v. *The New York Central Railroad Co. et al.*

Re. 13,921. (See 1,420,351.)

Re. 13,926, S. G. Wingquist, Ball bearing, filed Mar. 17, 1927, D. C., S. D. N. Y., Doc. E 41/33, *The Skayef Ball Bearing Co.* v. *S. F. Goodman.* Discontinued May 14, 1927.

Re. 15,210. (See 1,141,520.)

Des. 58,916. (See 1,432,872.)

Des. 72,147, M. Finstone, Desk set, filed May 9, 1927, D. C., S. D. N. Y., Doc. E 41/286, *M. Finstone et al.* v. *French Made Products Co. Inc.*

Des. 72,164, Des. 72,165, Des. 72,166, Des. 72,221, S. N. Mallouk, Lace table cover; Des. 72,227, Des. 72,228, Des. 72,229, Des. 72,230, Des. 72,231, Des. 72,232, Des. 72,223, Des. 72,234, same, Lace cover; Des. 72,219, same, Lace doily; Des. 72,167, Des. 72,226, Des. 72,208, same, Lace tray cover; Des. 72,169, Des. 72,170, Des. 72,171, Des. 72,173, Des. 72,174, Des. 72,175, Des. 72,220, Des. 72,222, Des. 72,223, Des. 72,225, same, Lace mat; Des. 72,168, Des. 72,224, Des. 72,235, Des. 72,269, Des. 72,270, Des. 72,271, Des. 72,272, same, Lace scarf, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/230, *S. N. Mallouk* v. *B. Katen et al.* (*Katen & Katen*). Consent decree sustaining patents and granting injunction May 10, 1927. Doc. E 41/232, *S. N. Mallouk* v. *J. E. Balesh et al.* (*J. E. Balesh & Bros.*). Decree same as above May 11, 1927. Same, suit filed May 18, 1927, D. C., S. D. N. Y., Doc. E 41/332, *S. N. Mallouk* v. *E. Hedaya et al.* (*Hedaya Importing Co.*). Doc. E 41/333, *S. N. Mallouk* v. *I. Shalom et al.* (*Shalom & Co.*).

ADJUDICATED PATENTS.

(C. C. A. Kans.) The Boyland patent, No. 1,326,908, for classifier, *Held* not infringed. *Wood* v. *Boyland*, 19 F. (2d) 48.

(C. C. A. Iowa.) The Prickett reissue patent, No. 15,881, for concrete and wood floor construction device, *Held* not infringed. *Bull Dog Floor Clip Co.* v. *Munson Mfg. Co.*, 19 F. (2d) 43.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 28, 1927.*

Warren E. Sadler, his assigns or legal representatives, take notice:

Interferences have been declared by this Office between an application for patent filed by Warren E. Sadler, 1440½ West Twenty-third Street, Los Angeles, Calif., and applications for patent filed by Samuel K. Wellman, 2720 Derbyshire Road, Cleveland Heights, Ohio, and Arch M. Brown, 423 Kansas Avenue, Chickasha, Okla. Counsel for Sadler state they are unable to locate said Sadler. Notice is hereby given that unless said Sadler, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, June 28, 1927.*

Henry F. Bauer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Harry Aaron, 415 North Washington Avenue, Scranton, Pa., and Patent No. 1,494,573, issued May 20, 1924, to Henry F. Bauer, Wheaton, Minn., and a notice of such declaration sent by registered mail to said Henry F. Bauer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry F. Bauer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 12, 1927.

[VOL. 360. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 210,803. (CLASS 39. CLOTHING.) NATIONAL ASSOCIATION OF LEATHER GLOVE AND MITTEN MANUFACTURERS, Utica, N. Y. Filed Mar. 10, 1925.

PROTEKTOR

Applicant owns registration No. 192,604.

Particular description of goods.—Leather Gloves.

Claims use since Jan. 6, 1925.

Ser. No. 211,369. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL ASSOCIATION OF MASTER PLUMBERS, Wilmington, Del. Filed Mar. 20, 1925.

NATIONAL PLUMBING STANDARDS
NAMP
QUALITY

Particular description of goods.—Publications—Namely, Prints Showing Approved Plumbing Installations.

Claims use since Dec. 10, 1924.

Ser. No. 212,704. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE JAKE TENNENBAUM COMPANY, Cincinnati, Ohio. Filed Apr. 14, 1925.

If Tennenbaum, it's

Applicant disclaims exclusive right to the word "Tennenbaum" except in the connection shown.

Particular description of goods.—Baby Walkers, Bassinets, Beds, Benches for Household Use, Bookcases, Breakfast Sets Comprising Tables, Chairs, Etc.; Buffets, Cedar Chests, Chairs for Household Use, Morris Chairs, Chests of Drawers, Chiffonobes, Chiffoniers, China Closets, Costumers, Cots, Cribs, Desks, Dressers, Ferneries, Kitchen Cabinets, Living-Room Sets, Mattresses, Medicine Cabinets, Mirrors, Music Cabinets, Night Stands, Pedestals, Pillows, Rockers, Sanitary Couches, Servers or Serving Carts, Settees, Shades, Bed Springs, Stools, Card Tables, Center Tables, Console Tables, dressing Tables, End Tables, Extension Tables, Gate-Leg Tables, Kitchen Tables, Library Tables, Nest Tables, Taboret, Telephone Stands, Vanity Dressers, Reed Tables, Reed Furniture—Namely, Reed Chairs, Reed Tables, Reed Settees, Reed Desks; Bedroom Sets, Couches, Cradles, Davenports, Folding Beds, Hall Racks, High Chairs, Kitchen Safes, Library Sets, Mantel Cabinets, Parlor Sets, Princess Dressers, Blacking Cabinets or Stands, and Washstands.

Claims use since Jan. 1, 1912.

Ser. No. 223,979. (CLASS 39. CLOTHING.) WINSHIP, BOIT & CO., Wakefield, Mass. Filed Nov. 28, 1925.

SHORTEES

Particular description of goods.—Women's and Misses' Underwear Made of Knitted or Textile Fabrics or of a Combination of said Fabrics.

Claims use since on or about Sept. 22, 1925.

Ser. No. 224,078. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHABROW BROTHERS, Philadelphia, Pa. Filed Dec. 2, 1925.



Particular description of goods.—Butter and Bread.

Claims use since July, 1922.

Ser. No. 225,208. (CLASS 39. CLOTHING.) THE TROY SUNSHADE COMPANY, Troy, Ohio. Filed Dec. 26, 1925.

RED THREAD

Particular description of goods.—Carpenters' Aprons, Work Aprons, and Change Aprons.
Claims use since Dec. 2, 1925.

Ser. No. 228,963. (CLASS 38. PRINTS AND PUBLICATIONS.) CLYDE BANKS, Bellingham, Wash. Filed Mar. 22, 1926.

Clyde Banks CRYSTALSHEEN TRADEMARK PICTURES

Applicant disclaims apart from the mark all wording appearing on the drawing except the word "Crystalsheen," including the name of applicant.
Particular description of goods.—Photographs.
Claims use since Mar. 10, 1926.

Ser. No. 229,632. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) IVER JOHNSON'S ARMS & CYCLE WORKS, Fitchburg, Mass. Filed Apr. 3, 1926. Under 10-year proviso.

Iver Johnson

Particular description of goods.—Bicycles.
Claims use since Sept. 1, 1894.

Ser. No. 229,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNET, CRAFT & KAUFFMAN MILLING COMPANY, St. Louis, Mo. Filed Apr. 9, 1926.



Particular description of goods.—Wheat Flour.
Claims use since 1877.

Ser. No. 230,081. (CLASS 37. PAPER AND STATIONERY.) THE BUZZA COMPANY, Minneapolis, Minn. Filed Apr. 13, 1926.

HARLEQUIN

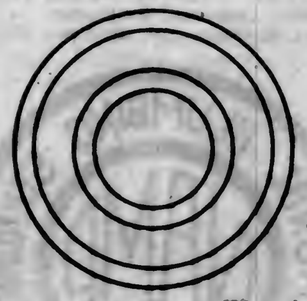
Particular description of goods.—Tally Cards and Score Pads with Blanks to Fill In.
Claims use since Mar. 15, 1926.

Ser. No. 230,427. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Apr. 19, 1926.

OLIVENA

Particular description of goods.—Soap.
Claims use since Nov. 15, 1922.

Ser. No. 230,496. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MASAHACHI NAKATA, doing business as M. Nakata Co., Seattle, Wash. Filed Apr. 21, 1926.



Particular description of goods.—Logs.
Claims use since 1917.

Ser. No. 231,124. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHELLABARGER MILLS & ELEVATOR COMPANY, Salina, Kans. Filed May 4, 1926.

Hy-Tone

Particular description of goods.—Wheat Flour.
Claims use since Dec. 20, 1925.

Ser. No. 231,206. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATHÉ EXCHANGE, INC., New York, N. Y. Filed May 6, 1926.

Pathécomedy

No exclusive claim is made to the descriptive word "Pathécomedy" except as associated with the other features of the mark.
Particular description of goods.—Cinematographic Films.
Claims use since Jan. 1, 1922.

Ser. No. 231,207. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATHÉ EXCHANGE, INC., New York, N. Y. Filed May 6, 1926.

Pathépicture

No exclusive claim is made to the descriptive word "Pathépicture" except as associated with the other features of the mark.
Particular description of goods.—Cinematographic Films.
Claims use since Jan. 1, 1922.

Ser. No. 231,208. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATHÉ EXCHANGE, INC., New York, N. Y. Filed May 6, 1926.

Pathéserial

No exclusive claim is made to the descriptive word "Pathéserial" except as associated with the other features of the mark.
Particular description of goods.—Cinematographic Films.
Claims use since Jan. 1, 1922.

Ser. No. 231,221. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WALDORF PIANO CO., New York, N. Y. Filed May 6, 1926.

WALDORF

Particular description of goods.—Pianos and Player Pianos.
Claims use since 1899.

Ser. No. 232,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS CHRISTY, doing business as Christy Medicine Company, St. Louis, Mo. Filed May 27, 1926.

VEGETA

Particular description of goods.—Laxative for the Treatment of Constipation and Kindred Ills.
Claims use since May, 1898.

Ser. No. 232,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHRYSSI ANDREWS, doing business as Andre Velvo Art Craft Co., New York, N. Y. Filed May 29, 1926.



No claim is made to the words "Velvo Art Work Guaranteed" or "New York" apart from the mark shown in the drawing. The lines on the drawing indicate shading.
Particular description of goods.—Ornamented Fabrics Made of Silk, Cotton, Wool, or Combinations Thereof in the Piece.
Claims use since Jan. 1, 1926.

Ser. No. 232,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLA WALLA GARDENER'S ASSOCIATION, Walla Walla, Wash. Filed June 1, 1926.

GLORIA

Particular description of goods.—Fresh Fruits and Vegetables.
Claims use since July 8, 1910.

Ser. No. 232,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINCOLN PACKING CO., Lincoln, Calif. Filed June 9, 1926.

LINCOLN



The mark comprises the surname and portrait of Abraham Lincoln (deceased).

Particular description of goods.—Canned Fruits.

Claims use since Apr. 3, 1926.

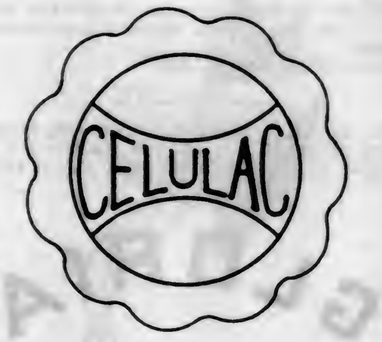
Ser. No. 233,385. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH B. MOSSMAN, New Brighton, N. Y. Filed June 17, 1926.

DANAP

Particular description of goods.—Eye Shades, Eye Blinds, and Face Masks.

Claims use since Apr. 10, 1926.

Ser. No. 233,818. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GERMAIN BROTHERS CO., Saginaw, Mich. Filed June 28, 1926.



Particular description of goods.—Toilet Seats and Toilet Tanks.

Claims use since Dec. 1, 1925.

Ser. No. 233,931. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARION C. HANSEN, doing business as Mrs. Fred H. Hansen, Fresno, Calif. Filed June 30, 1926.



The wording "Gold Medal of Honor Quality" is disclaimed apart from the mark as shown. The drawing is lined to indicate the color gold.

Particular description of goods.—Dried Fruits, Particularly Figs and Raisins.

Claims use since Jan. 29, 1914.

Ser. No. 235,242. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WICHITA FALLS MOTOR COMPANY, Wichita Falls, Tex. Filed July 27, 1926.

OIL FIELD SPECIAL

No claim is made to the word "Special" apart from the mark as shown.

Particular description of goods.—Motor Trucks.

Claims use since Mar. 17, 1925.

Ser. No. 235,741. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KARL OSKAR LEON, Lidkoping, Sweden. Filed Aug. 9, 1926.

AXRAD

Particular description of goods.—Ball Bearings and Roller Bearings.

Claims use since Oct. 26, 1925.

Ser. No. 236,312. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. FEIBUSCH, San Francisco, Calif. Filed Aug. 23, 1926.

PEBBLE BEACH

Particular description of goods.—Canned Fish, Canned Fruits, Canned Vegetables, and Dried Fruits.

Claims use since July 15, 1926.

Ser. No. 236,701. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. H. MACY & CO., INC., New York, N. Y. Filed Aug. 31, 1926.

MARCHIONESS

Particular description of goods.—Hair Nets.

Claims use since Aug. 23, 1926.

Ser. No. 236,947. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NARROW FABRIC CO., West Reading and Reading, Pa. Filed Sept. 7, 1926.



The word "Trade-Mark" is disclaimed apart from the mark as shown. The two lines of Morse-code dots and dashes shown signify, respectively, "n f c" (initial letters of applicant's name) and "n u f" (essential letters of applicant's mark "Nufashond"), and separation of the labels between said lines shows one of them at the top and the other at the bottom of each separate label.

Particular description of goods.—Woven Label Strips.

Claims use since July 7, 1926.

Ser. No. 237,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLYMPIC FOODS, INC., Seattle, Wash. Filed Sept. 20, 1926.

PACIFIC PRIDE

"Pacific Pride."

Particular description of goods.—Canned Fruits, Canned Vegetables, Crushed Fruit, and Canned Salmon.

Claims use since Aug. 3, 1926.

Ser. No. 237,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAN WUILLE & COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 27, 1926.

BLUE HEART



The lining on the drawing indicates the colors blue and red. Applicant disclaims the words "Hood River" separate and apart from the mark shown on the drawing.

Particular description of goods.—Fresh Apples.

Claims use since September, 1919.

Ser. No. 240,650. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING CO., INC., New York, N. Y. Filed Nov. 27, 1926.

The INFANTS' and CHILDREN'S REVIEW

Particular description of goods.—Monthly Magazine.

Claims use since June, 1926.

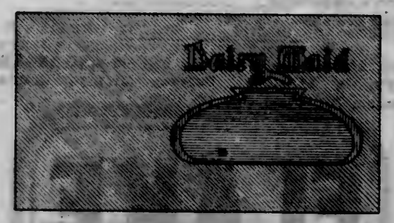
Ser. No. 241,058. (CLASS 39. CLOTHING.) JOHN A. KIZENSKA, Denver, Colo. Filed Dec. 6, 1926.



Particular description of goods.—Ladies' Hats.

Claims use since Nov. 1, 1922.

Ser. No. 241,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BREWSTER SONS COMPANY, Newark, N. J. Filed Dec. 7, 1926.



The drawing is lined to indicate the colors red, blue, and pink on a green field.

Particular description of goods.—Milk Chocolate, Almond Milk Chocolate, Peanut Milk Chocolate, Raisin Milk Chocolate, Vanilla Chocolate, Milk-Chocolate Dainties, Vanilla-Chocolate Dainties, Candied Peanut Crisps, Chocolate-Covered Molasses Coconut; Chocolate-Covered Cream Coconut, Chocolate-Covered Cream Candy, Chocolate-Covered Nut Caramel, Chocolate-Covered Raisins, Peanut Butterscotch; Chocolate Cream Peppermints, Chocolate Cream Mint Cakes; Cocoa Powder; Malted Milk Cocoa, Unsweetened Chocolate.

Claims use since July 30, 1912.

Ser. No. 241,357. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUBLESS MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 11, 1926.

RUB-LESS

Particular description of goods.—Washing Powder.
Claims use since July 1, 1926.

Ser. No. 241,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDREW J. BOURNAKIS, doing business as Sun Up Coffee, Tea and Cocoa Co., New York, N. Y. Filed Dec. 13, 1926.

Sun up

Particular description of goods.—Coffee, Tea, and Cocoa.
Claims use since Sept. 20, 1926.

Ser. No. 241,427. (CLASS 39. CLOTHING.) MISSION HOSIERY MILLS, Los Angeles, Calif. Filed Dec. 13, 1926.

SUN-KIST

Particular description of goods.—Hosiery and Knit Goods—Namely, Sweaters, Scarfs, Ladies' and Children's Knitted Hats, Ladies' Underwear, Men's Underwear, and Children's Underwear.
Claims use since Aug. 30, 1926.

Ser. No. 241,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PFEFFER MILLING COMPANY, Lebanon, Ill. Filed Dec. 13, 1926.

FLAKE WHITE

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since about 1911.

Ser. No. 241,565. (CLASS 16. PAINTS AND PAINTERS, MATERIALS.) THE S. A. DAY MANUFACTURING CO. INC., Buffalo, N. Y. Filed Dec. 16, 1926.

VARNISH ENAMEL THE S A DAY MFG CO INC

Right to the exclusive use of the words "Varnish" and "Enamel" is disclaimed in the statement apart from the mark shown in the drawing.
Particular description of goods.—Varnish, Ready-Mixed Paint, and Paint Enamels.
Claims use since Nov. 21, 1926.

Ser. No. 241,665. (CLASS 39. CLOTHING.) MERRILL-CLARK-MEINIG, INC., New York, N. Y. Filed Dec. 18, 1926.

Shalimar

Particular description of goods.—Gloves for Men, Women, and Children, Made of Silk, Knit Fabrics, or Leather; Underwear for Men, Women, and Children Made of Glove Silk, Rayon, Silk and Rayon, Cotton, Wool, or Mixtures; Nightgowns for Women, Made of Glove Silk; Hosiery for Men, Women, and Children; Full-Fashioned, Seamless, and Sport Hose, Made of Silk, Silk and Rayon, Rayon, Cotton, Silk and Wool, or Wool; Scarfs for Men and Women, made of Silk, Rayon, Silk and Rayon, Wool, or Mixtures.
Claims use since Nov. 17, 1926.

Ser. No. 241,859. (CLASS 43. THREAD AND YARN.) BAY STATE THREAD WORKS, Springfield, Mass. Filed Dec. 23, 1926.

Golden Rule

Particular description of goods.—Thread.
Claims use since January, 1911.

Ser. No. 242,201. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MIDWEST SANITARIUM CORPORATION, Minneapolis, Minn. Filed Dec. 30, 1926.

ProXeme

Particular description of goods.—Medical Preparation for Use in the Treatment of Eczema.
Claims use since about Jan. 1, 1924.

Ser. No. 242,252. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES H. PENNOYER, doing business as Community Pulpit, Pawtucket, R. I., and Boston, Mass. Filed Dec. 31, 1926.

COMMUNITY PULPIT

Particular description of goods.—Posters.
Claims use since Jan. 1, 1925.

Ser. No. 242,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PA-LU COMPANY, Washington, D. C. Filed Jan. 5, 1927.

Pa-Lu

Particular description of goods.—Preparations Intended to Render Pimples Temporarily Invisible and for Use as a Styptic for Use After Shaving and for Cold Sores, Cuts, and the Like.
Claims use since Dec. 15, 1926.

Ser. No. 242,503. (CLASS 38. PRINTS AND PUBLICATIONS.) RAND MCNALLY AND COMPANY, Chicago, Ill. Filed Jan. 7, 1927. Under 10-year proviso.

THE BANKERS MONTHLY

Particular description of goods.—Monthly Publication.
Claims use since January, 1884.

Ser. No. 242,509. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE STANDARD CORSET COMPANY, New York, N. Y. Filed Jan. 7, 1927.

ARMOR-LASTIC

Particular description of goods.—Elastic-Webbing Piece Goods.
Claims use since Nov. 5, 1926.

Ser. No. 242,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BATTLE CREEK FOOD CO., Battle Creek, Mich. Filed Jan. 10, 1927. Under 10-year proviso.

BATTLE CREEK

Particular description of goods.—Graham Crackers, Fruit Crackers, Oatmeal Wafers; Cream Sticks—Namely, a Whole-Wheat Preparation Made Up with Sweet Cream to be Baked and Toasted in an Oven Before Serving; Breakfast Toast, Whole-Wheat Wafers, Zwieback, Prune Marmalade, Black Fig Marmalade, White Fig Marmalade, and Candy.
Claims use since 1876.

Ser. No. 242,659. (CLASS 5. ADHESIVES.) JOHN FARNSWORTH ASSOCIATED, INC., Philadelphia, Pa. Filed Jan. 11, 1927.

R-A-P-A-D STRONG FLEXIBLE RAPID FARNSWORTH PRODUCT A LIQUID PADDING CEMENT

No claim is herein made to the words "Strong, Flexible, Rapid, Farnsworth Product, A Liquid Padding Cement" appearing upon the drawing apart from the mark shown.
Particular description of goods.—Liquid Padding Cement.
Claims use since Nov. 24, 1926.

Ser. No. 242,970. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD PETTER SIGMOND, Stavanger, Norway. Filed Jan. 17, 1927.

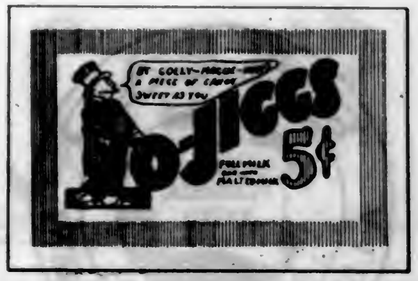
The lining on the drawing indicative of color is hereby disclaimed, also the outline of the container of the goods is disclaimed apart from the other features of the mark.
Particular description of goods.—Canned Fish.
Claims use since Jan. 24, 1925.

Ser. No. 243,059. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MORSO LIMITED, Sydney, New South Wales, Australia. Filed Jan. 19, 1927.

Morso

Particular description of goods.—Liquid Paints for Coating Metals, Wood, Fabrics, and Other Materials.
Claims use since about September, 1925.

Ser. No. 243,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE STAMAS, doing business as O! Jiggs Candy Co., Detroit, Mich. Filed Jan. 19, 1927.



Disclaimer is made of the words "Here's a Piece of Candy Sweet as You, Full Milk Bar with Malted Milk, 5¢" apart from the mark shown. The shading is for shading only and does not indicate color.
Particular description of goods.—Candy.
Claims use since Mar. 1, 1926.

Ser. No. 243,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIE ALICE KAUFMANN HITZFELD, VIUDA DE DIEGO GOMEZ, Seville, Spain. Filed Jan. 21, 1927.



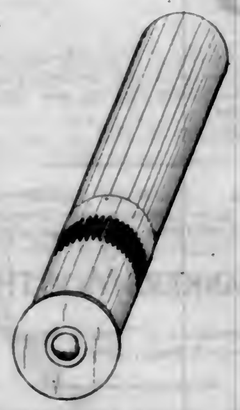
No claim is made to the word "Sevilla" apart from the mark shown.
Particular description of goods.—Olives.
Claims use since Dec. 22, 1908.

Ser. No. 243,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES A. FILLIS, Brooklyn, N. Y. Filed Jan. 22, 1927.



The mark consists of a facsimile of applicant's portrait.
Particular description of goods.—Eyedrops, Eardrops, Nosedrops, Gargle for Sore Throat and Tonsilitis, Gum-Treating Preparation, Mouth Wash, and a Liniment for Treating Rheumatism.
Claims use since Dec. 4, 1926.

Ser. No. 243,431. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FEDERAL CARTRIDGE CORP., Minneapolis, Minn. Filed Jan. 27, 1927.



No claim is made to the representation of the shell apart from the mark shown in the drawing. The mark consists of a band made up of parallel longitudinal marks applied around the metallic cap of the cartridge between the rim edge and head of the cap, but spaced from said rim edge and head, so as to leave plain or unmarked portions on both sides of the band.
Particular description of goods.—Shot Shells.
Claims use since July 1, 1918.

Ser. No. 243,609. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. C. LAVERGNE, Crowley, La. Filed Jan. 31, 1927.

COMPOUND YEAST TABLETS
Ab. Lavergne

The facsimile of the signature of A. C. Lavergne appearing on the drawing forms a feature of the mark, and all wording except the facsimile of the signature is disclaimed hereby.
Particular description of goods.—Dyspepsia Tablets.
Claims use since Jan. 25, 1927.

Ser. No. 243,628. (CLASS 39. CLOTHING.) J. P. SMITH SHOE COMPANY, Chicago, Ill. Filed Jan. 31, 1927.

TRIPLE FEATURE

Particular description of goods.—Shoes Made of Leather, Leather and Fabric, Leather and Rubber, and Leather, Fabric, and Rubber.
Claims use since Dec. 15, 1926.

Ser. No. 243,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIO DIAMOND MILLS COMPANY, Minneapolis, Minn. Filed Feb. 3, 1927.



Particular description of goods.—Wheat Flour.
Claims use since about Apr. 30, 1895.

Ser. No. 243,922. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BLU-LAC, INCORPORATED, San Francisco, Calif. Filed Feb. 7, 1927.

BLU-LAC

The right to the use of the word "Blu" appearing on the drawing is hereby disclaimed apart from the mark shown.
Particular description of goods.—Washing Flakes.
Claims use since April, 1923.

Ser. No. 243,932. (CLASS 39. CLOTHING.) FEDER TRIMMED HAT CO., St. Louis, Mo. Filed Feb. 7, 1927.



No exclusive claim is made to the words "Fashion" and "Hats" apart from the mark shown. The lining in the drawing indicates shading only.
Particular description of goods.—Hats for Women and Girls.
Claims use since Jan. 10, 1927.

Ser. No. 244,156. (CLASS 39. CLOTHING.) C. CRAWFORD HOLLIDGE, Boston, Mass. Filed Feb. 10, 1927.

DURAWEAVE

Particular description of goods.—Women's, Girls', and Misses' Undergarments and Clothing—Namely, Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Blouses, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Raincoats, Sport Coats, Capes and Coats Made Out of Textile Material, and Dresses, Suits, Skirts, Nightgowns, Petticoats, Slips, Bodices, Chemises, Drawers, Combinations, Bath Robes, Shirt Waists, Blouses, Bathing Suits, Dressing Gowns, Sweaters, Mufflers, Hosiery, Hats, and Caps Made Out of Knitted Material.
Claims use since Jan. 25, 1927.

Ser. No. 244,179. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS P. PHILIPPI, doing business as The Irvington Company, Cable, Wis. Filed Feb. 10, 1927.

IVO

Particular description of goods.—Ointments—Namely, Cold-Sore Ointment or Fever Ice, Rouge and Lip Stick, and Lip Stick.
Claims use since on or about Jan. 1, 1905.

Ser. No. 244,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABE J. WEAVER, doing business as Weaver Manufacturing Company, Mesopotamia, Ohio. Filed Feb. 10, 1927.



The wording is disclaimed apart from the other features of the mark shown in the drawing. The lining shown on the drawing is merely used for shading purposes and not to represent color.

Particular description of goods.—Medicine for External Application for Softening and Restoring a Healthy Action in the Udder of a Cow in Order to Stimulate the Udder and to Produce a Greater Quantity of Milk.

Claims use since Apr. 6, 1925.

Ser. No. 244,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAL DICK MANUFACTURING COMPANY, Knoxville, Tenn. Filed Feb. 14, 1927.



No claim is made to the words "Brand," "Good to the Last Bite," "Put Up by," and "Knoxville, Tenn." or the representation of the label apart from the mark as shown in the drawing.

Particular description of goods.—Horse-Radish, Olive Spread, Cranberry Jelly; Relish Spread Composed of a Mixture of Eggs, Oil, Vinegar, and Sweet Pickles; Sweet Relish Composed of Sweet Pickles and Curry Seed, Chili Sauce, Salad Dressing, Orange Marmalade, Mustard, Tomato Catchup, Thousand Island Dressing, Peanut Butter, and Mayonnaise.

Claims use since Jan. 1, 1926.

Ser. No. 244,382. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. R. ABBOTT MFG. CO., Goshen, Ind. Filed Feb. 15, 1927.

EVERBRIGHT

Polishes and Plates
In One Operation

No claim is made to the phrase "Polishes and Plates in One Operation" apart from the mark shown. The lining on drawing is intended to indicate the colors red and blue.

Particular description of goods.—Cleaning and Polishing Preparation Particularly Adapted for Polishing and Renewing Metal Surfaces.

Claims use since 1915.

Ser. No. 244,417. (CLASS 39. CLOTHING.) SOL ZION & CO., Philadelphia, Pa. Filed Feb. 15, 1927.

PENNWOOD
Fashionable Clothes

Disclaimer is made of the phrase "Fashionable Clothes."

Particular description of goods.—Men's Clothing—Namely, Suits and Sack Coats.

Claims use since Dec. 15, 1926.

Ser. No. 244,744. (CLASS 47. WINES.) COMPAGNIE DU VIN ST. RAPHAEL (SOCIETE ANONYME), Valence Drome, France. Filed Feb. 23, 1927.



Particular description of goods.—Still Wine.

Claims use since Nov. 9, 1872.

Ser. No. 244,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. KADE'S MEDICINISCH-PHARMACEUTISCHES FABRIKATIONS- U. EXPORTGESCHÄFT DR. FRANZ LUTZE, Berlin, Germany. Filed Feb. 23, 1927.

Kolormon

Particular description of goods.—Intestinal Germicides.

Claims use since Feb. 20, 1926.

Ser. No. 244,812. (CLASS 2. RECEPTACLES.) THE BANKETTE CO., Boston, Mass. Filed Feb. 24, 1927.

BANKETTE

Particular description of goods.—Pocket Coin Holders.

Claims use since Dec. 20, 1926.

Ser. No. 245,008. (CLASS 11. INKS AND INKING MATERIALS.) GUNTHER WAGNER, Hanover, Germany. Filed Feb. 28, 1927.



All wording with the exception of "Pelican" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Liquid Drawing Inks.

Claims use since 1922.

Ser. No. 245,116. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STROHMEYER & ARPE CO., New York, N. Y. Filed Mar. 2, 1927.

RE UMBERTO

R.U.

Particular description of goods.—Canned Sardines, Concentrated Tomato Paste, Canned Tomatoes Packed with Purée, Canned Tomatoes, Canned Tunny Fish, Dried Brown Beans, Dried Green Split Peas, Dried Marrowfat Peas, Dried Yellow Split Peas, Glacé Rice, Dried Lentils, Faginoli Romani (Dried Fancy Cranberry Roman Beans), Faginoli Cannellini Bianchi, (Dried Fancy White Kidney Beans), Mixed Pickles in Vinegar, Dried Mushrooms, and Cardamom.

Claims use since January, 1904.

Ser. No. 245,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. R. HURD BROKERAGE COMPANY, Denver, Colo. Filed Mar. 10, 1927.

LIGHTNING TAPIOCA

Exclusive use of the word "Tapioca" is not claimed except in the relationship shown in the accompanying drawing.

Particular description of goods.—Tapioca.

Claims use since about Jan. 1, 1903.

Ser. No. 245,574. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NORTH AMERICAN BREWING COMPANY, Brooklyn, N. Y. Filed Mar. 11, 1927.

Red-Top Brew

No rights are asserted to the exclusive use of the word "Brew" apart from the mark shown in the drawing.

Particular description of goods.—Near Beer.

Claims use since September, 1926.

Ser. No. 245,613. (CLASS 39. CLOTHING.) BERLAND SHOE STORES INC., St. Louis, Mo. Filed Mar. 12, 1927.

Jay Bee

Particular description of goods.—Women's Shoes of Leather, Fabric, Rubber, Straw, and Combinations Thereof, and Hosiery.

Claims use since Jan. 1, 1926.

Ser. No. 245,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNST SILTEN, Berlin, Germany. Filed Mar. 12, 1927.

Glandamine

Particular description of goods.—Medicines Made from Animal Organs or Bodies, Chemical Products for Medical and Hygienic Purposes Made from Animal Organs or Bodies, Pharmaceutical Drugs and Preparations Made from Animal Organs or Bodies, Liquid and Dry Extracts Made from Animal Organs or Bodies, Dried Animal Organs for the Treatment of Organic Diseases Which Are Due to a Hormonal Weakness of the Organs in Question.
Claims use since Feb. 3, 1926.

Ser. No. 245,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NONN, LIMITED, London, England. Filed Mar. 15, 1927.

Nonn

"Natures own Nerve Nourishment"

No claim is made to the words "Nature's Own Nerve Nourishment" apart from the mark as shown.
Particular description of goods.—Medicated Preparations for Human Use in the Treatment of Neurasthenia.
Claims use since Nov. 2, 1926.

Ser. No. 245,850. (CLASS 39. CLOTHING.) MAY DEPARTMENT STORES COMPANY, New York, N. Y. Filed Mar. 16, 1927.

THE Tramp

Applicant owns registration No. 61,258.
Particular description of goods.—Leather Shoes.
Claims use since about Dec. 1, 1903.

Ser. No. 245,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMRO PRODUCT CO., Long Island City, N. Y. Filed Mar. 17, 1927.

"CAMRO"

Particular description of goods.—Liquid Preparation or Make-Up for the Face and Body.
Claims use since June, 1926.

Ser. No. 245,899. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LLEWELLYN WHITING ESTES, doing business as The Great American Herb Co., Washington, D. C. Filed Mar. 17, 1927.



While no claim is made in the present application broadly to the words "Herbs Compound" apart from the other features of the mark illustrated herein, it is not understood that this disclaimer is to be construed as limiting applicant's common-law or other trade-mark rights to these words.
Particular description of goods.—Laxative Medicine in Tablet Form.
Claims use since Mar. 7, 1927.

Ser. No. 246,063. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Mar. 21, 1927.

Brotherhood

Particular description of goods.—Goggles and Parts Thereof for the Protection of the Eye Against Dust, Glare, Cinders, and Flying Particles.
Claims use since Apr. 20, 1923.

Ser. No. 246,085. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DAVIS PRESS, INCORPORATED, Worcester, Mass. Filed Mar. 21, 1927.

The SCHOOL-ARTS

Particular description of goods.—Monthly Publication.
Claims use since September, 1903.

Ser. No. 246,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY K. WATTS, Far Rockaway, N. Y. Filed Mar. 24, 1927.

THE
YELLOW STONE
Wonder

Particular description of goods.—Pressing Oil, Hair Shampoo, Special Hair Shampoo, and Hair Grower.
Claims use since Oct. 15, 1926.

Ser. No. 246,467. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DETROIT AIR COMPRESSOR CO., Detroit, Mich. Filed Mar. 28, 1927.

Daco

Particular description of goods.—Air Compressors, and Air Towers for Use at Filling Stations and the Like.
Claims use since Aug. 14, 1922.

Ser. No. 246,486. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CALVIN W. KNOWLES, San Francisco, Calif. Filed Mar. 28, 1927.

ALUMALITE

Particular description of goods.—Eye Shades.
Claims use since Jan. 1, 1926.

Ser. No. 246,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. MARVIN COMPANY, Urbana, Ohio. Filed Mar. 28, 1927.



Particular description of goods.—Dried Currants, Dates, Mincemeat, and Peanut Butter.
Claims use since on or about Nov. 11, 1922, on currants; since on or about Aug. 8, 1924, on dates; since Feb. 2, 1927, on peanut butter; and since on or about Sept. 1, 1922, on mincemeat.

Ser. No. 246,525. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ANGELUS ART SHOP, Los Angeles, Calif. Filed Mar. 29, 1927.



Applicant disclaims the right to the exclusive use of the words "Made in California" and "Needle Arts."
Particular description of goods.—Stamped Goods Used for Art Needlework.
Claims use since Jan. 1, 1920.

Ser. No. 246,744. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FIRE GUN MANUFACTURING COMPANY, INC., Utica, N. Y. Filed Apr. 1, 1927.

FIRE-GUN

Particular description of goods.—Hand-Operated Portable and Stationary Fire-Extinguishing Apparatus.
Claims use since October, 1914.

Ser. No. 246,767. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE NO WORRY CHEMICAL CO., Newark, N. J. Filed Apr. 1, 1927.

No-worry

Particular description of goods.—Liquid Washing Fluid.
Claims use since Jan. 14, 1922.

Ser. No. 246,780. (CLASS 39. CLOTHING.) SCHUHFABRIK HASSIA A. G., Offenbach-on-the-Main, Germany. Filed Apr. 1, 1927.

Hassia

Particular description of goods.—Shoes for Men, Women, and Children, Made of Leather and Also of Silk and Brocade with Leather Soles, and Orthopedic Shoes.
Claims use since 1901.

Ser. No. 246,792. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WAUKESHA SILURIAN WATER COMPANY, Waukesha, Wis. Filed Apr. 1, 1927.

Ginger Buck

No claim is made to the word "Ginger" apart from the mark shown in the drawing.
Particular description of goods.—Ginger Ale, Root Beer, Carbonated Water, and Sarsaparilla.
Claims use since Sept. 1, 1926.

Ser. No. 246,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODERN SPECIALTY COMPANY, St. Paul, Minn. Filed Apr. 2, 1927.

FAIRY

Particular description of goods.—Ice Cream, Baked Edible Receptacles for Ice Cream or Similar Foods, and Ice-Cream Pies—Namely, Ice Cream Cut in the Shape of a Piece of Pie Either With or Without an Edible Receptacle of Similar Shape.
Claims use since Jan. 1, 1925.

Ser. No. 246,845. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PALMER BOTTLING COMPANY, Philadelphia, Pa. Filed Apr. 2, 1927.

Chateau Latour

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink—Viz, Ginger Ale.
Claims use since August, 1926.

Ser. No. 246,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR H. PEPIN, St. Paul, Minn. Filed Apr. 4, 1927.

VIG-O-LITE

Particular description of goods.—Battery Compound Comprising a Powder Mixed in the Contents of a Wet Battery to Prevent Corrosion of the Battery Plates and Increase the Power of the Battery.
Claims use since Mar. 1, 1927.

Ser. No. 246,960. (CLASS 39. CLOTHING.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Apr. 5, 1927.

CAVALIER

Particular description of goods.—Men's Furnishings—Namely, Work Shirts, Pyjamas, Neckties, and Scarfs; Gloves Made of Pigskin, Mocha, Suede, Goatskin, Deerskin, Horsehide, Calfskin, Capeskin, Chamois, Kid, Reindeer, Degrained Cape, Degrained Pig, Chamoisette, Silk, Double Silk, Cotton, Wool, and Felt; Bathing Suits, and Sweaters.
Claims use since about Mar. 1, 1926.

Ser. No. 246,988. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 5, 1927.

PENALASTIC

Particular description of goods.—Narrow Elastic.
Claims use since Feb. 25, 1927.

Ser. No. 246,984. (CLASS 32. FURNITURE AND UPHOLSTERY.) HERMAN ROBINSON, doing business as Robinson's Furniture Mfg. Co., Los Angeles, Calif. Filed Apr. 5, 1927.

OSO-COMFY

Particular description of goods.—Furniture—Namely, Davenports, Bed Davenports, Low-Back Chairs, High-Back Chairs, Wing Chairs, Occasional Chairs, Boudoir Chairs, Fireside Chairs, Coxwell Chairs, and Ottomans.
Claims use since Jan. 2, 1927.

Ser. No. 247,070. (CLASS 39. CLOTHING.) FIELD & FLINT CO., Boston and Brockton, Mass. Filed Apr. 7, 1927.



Particular description of goods.—Shoes of Leather, Skins, Rubber, Fabric, and Materials and Compositions Serving as Substitutes for the Same.
Claims use since Feb. 9, 1927.

Ser. No. 247,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Apr. 7, 1927.

SMOKEES

Particular description of goods.—Smoked and Dried Fish Consisting of Smoked Herrings with Heads and Tails Cut Off and Wrapped in Cellophane.
Claims use since Feb. 7, 1927.

Ser. No. 247,098. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REICHARD-COULSTON INC., New York, N. Y. Filed Apr. 7, 1927.

AETNA

Particular description of goods.—Dry Earth Pigments for Use Particularly in Paints.
Claims use since about 1895.

Ser. No. 247,100. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REICHARD-COULSTON INC., New York, N. Y. Filed Apr. 7, 1927.

SOFTEX

Particular description of goods.—Dry Earth Pigments for Use Particularly in Paints.
Claims use since September, 1922.

Ser. No. 247,156. (CLASS 38. PRINTS AND PUBLICATIONS.) ACACIA FRATERNITY, Worcester, Mass., and Ann Arbor, Mich. Filed Apr. 9, 1927.

The Triad of Acacia

Particular description of goods.—Periodical Publication.
Claims use since November, 1922.

Ser. No. 247,187. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE W. F. HAUSMAN CO., Cincinnati, Ohio. Filed Apr. 9, 1927.

Haus-Malt



The word "Haus-Malt" does not form a part of the mark sought to be registered except as the same is used in connection with the other features of the mark shown on drawing.
Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Nov. 12, 1926.

Ser. No. 247,206. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Apr. 9, 1927.

PALMOLE

Particular description of goods.—Soap.
Claims use since Nov. 1, 1887.

Ser. No. 247,218. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) H. C. SCHRANCK COMPANY, Milwaukee, Wis. Filed Apr. 9, 1927.

X-tre

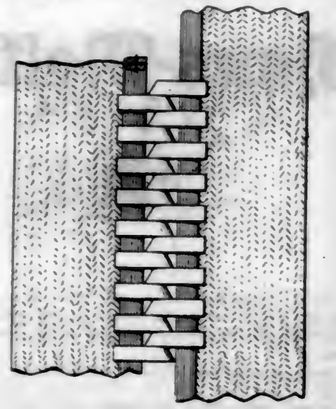
Particular description of goods.—Malt Beverages, Extracts, and Sirups.
Claims use since Apr. 1, 1916.

Ser. No. 247,320. (CLASS 31. FILTERS AND REFRIGERATORS.) KANE FURNITURE COMPANY, Boston, Mass. Filed Apr. 12, 1927.

KOLDICE

Applicant disclaims the representation of the plate apart from the mark as shown in the drawing.
Particular description of goods.—Refrigerators.
Claims use since Feb. 15, 1927.

Ser. No. 247,372. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOOKLESS FASTENER COMPANY, Meadville, Pa. Filed Apr. 13, 1927.



The drawing is lined for red and consists of a narrow red stripe arbitrarily placed on the edge of the tape to which jaw members are secured. No claim is made to the exclusive use of the representation of the goods apart from the mark shown.

Particular description of goods.—Separable Fastener Stringers and Separable Fasteners.

Claims use since Feb. 26, 1927.

Ser. No. 247,402. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH WHEWELL, Burnley, England. Filed Apr. 13, 1927.

ST. ORA

Particular description of goods.—Maltless Extract Used in the Preparation of Soft Drinks.

Claims use since 1905.

Ser. No. 247,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SAVOY DRUG AND CHEMICAL COMPANY, Chicago, Ill. Filed Apr. 14, 1927.



The drawing is lined to show the color red and also to show the color brown. All wording appearing on the drawing with the exception of the word "L'Eggo" is disclaimed apart from the mark shown.

Particular description of goods.—A Medicinal Food Tonic.

Claims use since Mar. 1, 1927.

Ser. No. 247,499. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) STEELE AND JOHNSON MFG. CO., Waterbury, Conn. Filed Apr. 15, 1927.

ESSENJAY

Particular description of goods.—Pipe Holders, Ash Trays, Tobacco Jars, Match Holders for Boxes of Safety Matches, Cigarette Boxes Made of Base Metal, Cigar Boxes Made of Base Metal, and Smokers' Sets for Use on a Table.

Claims use since Mar. 17, 1927.

Ser. No. 247,517. (CLASS 31. FILTERS AND REFRIGERATORS.) S. F. BOWSER & COMPANY, INC., Fort Wayne, Ind. Filed Apr. 16, 1927.

BOWSER
DISKELECTRO

Particular description of goods.—Oil Filters.

Claims use since Jan. 21, 1927.

Ser. No. 247,544. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOSEPH KASAL, Chicago, Ill. Filed Apr. 16, 1927.



The drawing is lined for blue and yellow.

Particular description of goods.—Malt Extract.

Claims use since Apr. 1, 1927.

Ser. No. 247,564. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE PAYNE COAL COMPANY, INC., Wilkes-Barre, Pa. Filed Apr. 16, 1927.



No claim is made to the exclusive use of the representation of an orange disk as shown on the drawing and the words "Insures Clean Coal" apart from the mark as shown on the drawing.

Particular description of goods.—Coal.

Claims use since Mar. 22, 1927.

Ser. No. 247,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSTHLISBERGER & CO., Herzogenbuchsee, Switzerland. Filed Apr. 16, 1927.



No exclusive claim is made to the wording appearing on the trade-mark aside from its other features except the word "Colibri" and the name of the applicant.

Particular description of goods.—All Kinds of Cheese.

Claims use since August, 1926.

Ser. No. 247,657. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Apr. 19, 1927.

CORONA

Particular description of goods.—Portable and Pocket Cigar and Cigarette Lighters Utilizing a Liquid Fuel.

Claims use since Mar. 15, 1927.

Ser. No. 247,658. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Apr. 19, 1927.

CORONITA

Particular description of goods.—Portable and Pocket Cigar and Cigarette Lighters Utilizing a Liquid Fuel.

Claims use since Mar. 15, 1927.

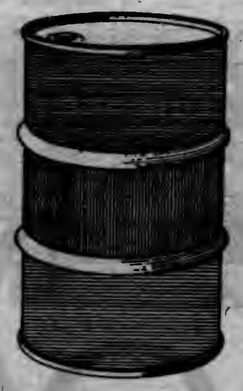
Ser. No. 247,683. (CLASS 39. CLOTHING.) FABER & HEIN, New York, N. Y. Filed Apr. 19, 1927.

SCOTTONE

Particular description of goods.—Ladies' Wearing Apparel—Viz, Coats, Suits, Wraps, and Dresses.

Claims use since Jan. 24, 1927.

Ser. No. 247,721. (CLASS 15. OILS AND GREASES.) WAVERLY OIL WORKS COMPANY, Pittsburgh, Pa. Filed Apr. 19, 1927.



The trade-mark consists of so coloring the drums or containers for the goods as to show a red band at the mid portion thereof and a blue band to either side of the red band, no claim being made to the representation of the drum or container shown in the drawing.

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Dec. 1, 1921.

Ser. No. 247,730. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DURANT MOTOCOVER CO., INC., New York, N. Y. Filed Apr. 20, 1927.

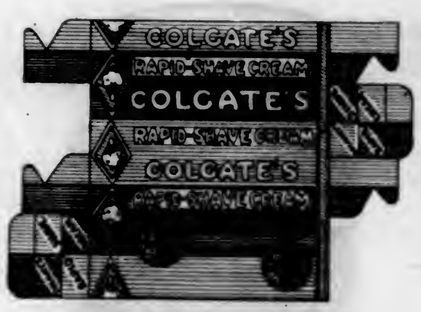


No claim is made for the representation of the goods apart from the mark shown in the drawing.

Particular description of goods.—Automobile Seat Covers.

Claims use since October, 1923.

Ser. No. 247,779. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 21, 1927.



No claim is made herein to the exclusive right to use the representation of a carton or to any of the words displayed upon said mark other than "Colgate's" apart from the mark shown. The heavy horizontal lining denotes dark blue. The light horizontal lining denotes light blue. The oblique lining denotes green.

Particular description of goods.—Soap for Shaving.

Claims use since Jan. 2, 1927.

Ser. No. 247,806. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) METROPOLITAN VEGETABLE OIL CO. INC., New York, N. Y. Filed Apr. 21, 1927.

METRO

Particular description of goods.—Vegetable Oils for Food Purposes—Viz, Cottonseed Oils, Corn Oil, Peanut Oil, Sesame Oil, and Soy-Bean Oil.

Claims use since Apr. 9, 1927.

Ser. No. 247,807. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) METROPOLITAN VEGETABLE OIL CO. INC., New York, N. Y. Filed Apr. 21, 1927.

SUNOLA

Particular description of goods.—Vegetable Oils for Food Purposes—Viz, Cottonseed Oil, Peanut Oil, Sesame Oil, Corn Oil, and Soy-Bean Oil.

Claims use since Apr. 9, 1927.

Ser. No. 247,810. (CLASS 38. PRINTS AND PUBLICATIONS.) NEW ENGLAND BRICK COMPANY, Boston, Mass. Filed Apr. 21, 1927.

The BRICK KILN

Particular description of goods.—House Organ (a Monthly Publication).

Claims use since January, 1924.

Ser. No. 247,824. (CLASS 39. CLOTHING.) THE H. A. SEINSHEIMER COMPANY, Cincinnati, Ohio. Filed Apr. 21, 1927.

UNIDEIR-GIRAID

Particular description of goods.—Boys' Suits, Vests, Pants, and Overcoats.

Claims use since October, 1926.

Ser. No. 247,825. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GUY DEMINGTON SHIPHERD, Omaha, Nebr. Filed Apr. 21, 1927.

Impresso-Occluso Plates

No claim is made to the word "Plates" except in connection with the mark as shown.

Particular description of goods.—False Teeth.

Claims use since Mar. 6, 1927.

Ser. No. 247,838. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) EDNA S. CLUEVER, doing business as Melo-Cream Distributing Co., Chicago, Ill. Filed Apr. 22, 1927.



The drawing is lined to indicate the colors red and blue. No claim is made to the words "Special Barley Malt Extract 100% Pure" apart from the mark as shown.

Particular description of goods.—Malt Extract.

Claims use since Jan. 1, 1927.

Ser. No. 247,884. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BRODERICK-SON-RAYMOND COMPANY, Minneapolis, Minn. Filed Apr. 23, 1927.

DIAMOND-RAY

Particular description of goods.—Ornamental Devices and Christmas-Tree Ornaments—Namely, Reflectors.

Claims use since on or about Mar. 1, 1926.

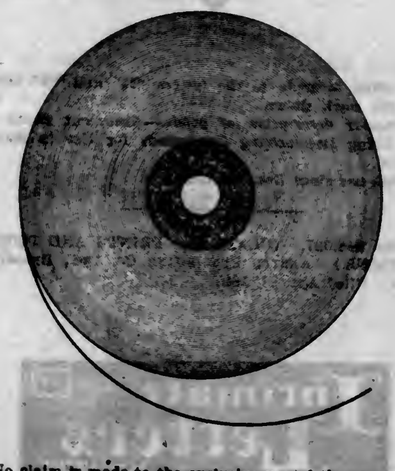
Ser. No. 247,910. (CLASS 39. CLOTHING.) WEIL-KALTER MANUFACTURING COMPANY, St. Louis, Mo. Filed Apr. 23, 1927.

RAYONAISE

Particular description of goods.—Ladies' Knit Underwear.

Claims use since Jan. 15, 1927.

Ser. No. 247,927. (CLASS 37. PAPER AND STATIONERY.) CENTRAL PAPER COMPANY, Menasha, Wis. Filed Apr. 25, 1927.



No claim is made to the exclusive use of the representation of the goods, and the words "Gummed Tape" apart from the mark as shown. The trade-mark consists in the orange color of the core, as indicated by the line shading.

Particular description of goods.—Gummed and Ungummed Paper Sealing, Veneer, and Stay Tapes.

Claims use since Dec. 1, 1926.

Ser. No. 247,932. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONTINENTAL OPTICAL CORPORATION, New York, N. Y. Filed Apr. 25, 1927.



Particular description of goods.—Abrasives and Polishing Compounds for Lenses and the Like.

Claims use since Apr. 8, 1926.

Ser. No. 247,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REFINERY PRODUCTS LIMITED, London, England. Filed Apr. 25, 1927.



No claim is made to the letters "M" and "T" apart from the mark shown.

Particular description of goods.—Absorbent Earth or Clay, Being Decolorizing Compounds for Use in Manufactures.

Claims use since Dec. 15, 1926.

Ser. No. 248,027. (CLASS 38. PRINTS AND PUBLICATIONS.) ANSTED PUBLISHING CO. INC., Brooklyn, N. Y. Filed Apr. 27, 1927.

The word "Magazine" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Magazine Published Monthly.

Claims use since Mar. 8, 1927.

Ser. No. 248,058. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 27, 1927.



The drawing is lined for red and blue.

Particular description of goods.—Men's Work Shirts.

Claims use since Oct. 18, 1926.

Ser. No. 248,074. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE D. T. WILLIAMS VALVE COMPANY, Cincinnati, Ohio. Filed Apr. 27, 1927.



Particular description of goods.—Globe Valves, Angle Valves, Cross Stop Valves, Check Valves, and Y Valves of Iron and Brass and Valve Disks.

Claims use since Mar. 3, 1927.

Ser. No. 248,086. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GAETANO ROCCO CARRIERO, New York, N. Y. Filed Apr. 28, 1927.



Particular description of goods.—Cream to be Used on Barbers' Strops to Sharpen the Razor.

Claims use since Apr. 25, 1927.

Ser. No. 248,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINZY HICKS, doing business as Hicks Ice Cream Co., Lexington, Ky. Filed Apr. 28. 1927.

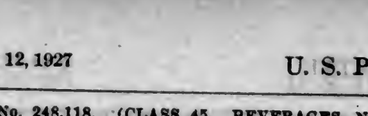


No claim is made to the words "Do-Nutt" and "A Real Ice Cream Product" apart from the mark as shown.

Particular description of goods.—Frozen Confections.

Claims use since Mar. 5, 1927.

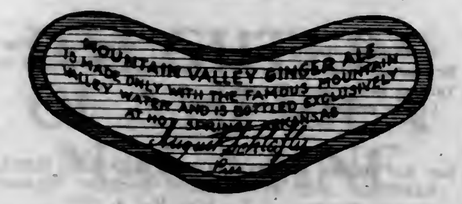
Ser. No. 248,118. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MOUNTAIN VALLEY SPRINGS COMPANY, Hot Springs, Ark. Filed Apr. 28, 1927.



Particular description of goods.—Beverages—Namely, Still Water, Carbonated Water, and Ginger Ale.

Claims use since about August, 1882.

Ser. No. 248,119. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MOUNTAIN VALLEY SPRINGS COMPANY, Hot Springs, Ark. Filed Apr. 28, 1927.



All words appearing on the drawing are disclaimed except the words "Mountain Valley" and the signature "August Schlafly." The drawing is lined for blue.

Particular description of goods.—Beverages—Namely, Still Water, Carbonated Water, and Ginger Ale.

Claims use since Apr. 19, 1927.

Ser. No. 248,120. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MOUNTAIN VALLEY SPRINGS COMPANY, Hot Springs, Ark. Filed Apr. 28, 1927.



No claim is made to the words appearing in the drawing except "Mountain Valley" and the name of the corporation. The drawing is lined for red, blue, green, and yellow.

Particular description of goods.—Beverages—Namely, Still Water, Carbonated Water, and Ginger Ale.

Claims use since Apr. 19, 1927.

Ser. No. 248,152. (CLASS 37. PAPER AND STATIONERY.) BUTLER PAPER CORPORATIONS, Chicago, Ill. Filed Apr. 29, 1927.



Particular description of goods.—Book Paper, Cover Paper, Bristol Cardboard, Blank Post Cards, Bonds, Writings, Ledgers, and Paper Intended for Making Envelopes.

Claims use since 1898.

Ser. No. 248,171. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALLIS S. FREED, New York, N. Y. Filed Apr. 29, 1927.



Applicant disclaims the right to the exclusive use of the words "Motor Car, The Cab Beautiful" apart from the trade-mark shown in the drawing. The lines shown in the drawing represent shading and not any particular color scheme.

Particular description of goods.—Automobiles and Constructive Parts Thereof.

Claims use since Jan. 19, 1927.

Ser. No. 248,226. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DENNEY TAG COMPANY, West Chester, Pa. Filed Apr. 30, 1927.

Advertag

Particular description of goods.—Printed Advertising Tags, Printed Shipping Tags, Printed Marking Tags, and Printed Work Tags.

Claims use since Mar. 1, 1927.

Ser. No. 248,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAUNCEY A. GRAVES, Duluth, Minn. Filed Apr. 30, 1927.

Clona

Particular description of goods.—Preparation for Use as a Deodorant, Bleach, and an Antiseptic Cleanser for Household Sanitation.
Claims use since Nov. 1, 1926.

Ser. No. 248,256. (CLASS 37. PAPER AND STATIONERY.) RIVER RAISIN PAPER COMPANY, Monroe, Mich. Filed Apr. 30, 1927.

ROSLITE
WATERPROOF BOARD

The words "Waterproof Board" are disclaimed apart from the mark as shown.
Particular description of goods.—Fibrous Paper Used for Shipping Cases.
Claims use since Jan. 15, 1927.

Ser. No. 248,326. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SAGE OAK LABORATORIES, INC., Rawlins, Wyo. Filed May 2, 1927.

SAGE OAK

Particular description of goods.—Polishing and Cleaning Compounds in the Nature of Automobile and Furniture Polish.
Claims use since on or about Mar. 15, 1927.

Ser. No. 248,353. (CLASS 20. LINOLEUM AND OILED CLOTH.) CONGOLEUM-NAIRN INC., Philadelphia, Pa. Filed May 3, 1927.

SANOLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since Mar. 28, 1927.

Ser. No. 248,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PFAFFMANN EGG NOODLE COMPANY, Cleveland, Ohio. Filed May 3, 1927. Under 10-year proviso.

CLIMAX



Particular description of goods.—Alimentary Paste Products—Noodles, Macaroni, Spaghetti, Vermicelli—in Various Styles and Forms.
Claims use since Sept. 1, 1892.

Ser. No. 248,398. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DOEHLER DIE-CASTING CO., Brooklyn, N. Y. Filed May 4, 1927.

DURA-ZINK

The term "Zink" is hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Die-Casting Metal and Die Castings.
Claims use since Jan. 1, 1927.

Ser. No. 248,413. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) LAKE AND EXPORT COAL CORPORATION OF NEW YORK, New York, N. Y. Filed May 4, 1927.

COAL
Leconey
COAL
LAKEX

Exclusive use of the word "Coal" is disclaimed.
Particular description of goods.—Coal.
Claims use since Mar. 10, 1927.

Ser. No. 248,421. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOE W. MINOUS, doing business as One-2-Three Products Co., Los Angeles, Calif. Filed May 4, 1927.

ONE 2 THREE

No claim is made to the word "Process" apart from the mark shown.
Particular description of goods.—Cleansing Fluid for Textiles and Fabrics.
Claims use since Sept. 15, 1925.

Ser. No. 248,422. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL COUNCIL OF THE DAUGHTERS OF AMERICA OF THE UNITED STATES OF NORTH AMERICA, Youngstown, Ohio. Filed May 4, 1927.

DAUGHTERS OF AMERICA MAGAZINE

The word "Magazine" is disclaimed apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since on or about Apr. 15, 1923.

Ser. No. 248,437. (CLASS 39. CLOTHING.) M. A. PACKARD COMPANY, Brockton, Mass. Filed May 4, 1927. Under 10-year proviso.

THE Packard SHOE

Applicant owns registration Nos. 50,551 and 91,994.
Particular description of goods.—Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since 1894.

Ser. No. 248,452. (CLASS 37. PAPER AND STATIONERY.) STRATHMORE PAPER COMPANY, Mittineague, Mass. Filed May 4, 1927.

Applicant disclaims exclusive right to the word "Papers" apart from the mark shown in the drawing.
Particular description of goods.—All Kinds of Writing and Printing Paper.
Claims use since Apr. 4, 1921.

Ser. No. 248,513. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLAPAO LABORATORIES, INC., doing business as Stuart P. P. Company, St. Louis, Mo. Filed May 5, 1927.



The right to the exclusive use of the word "Rub" apart from the mark shown is disclaimed.
Particular description of goods.—Ointment for Rubbing Muscles and Surface Treatment of Tissues and Joints, for Pains, Aches, Bruises, Lacerations, Rheumatism, Muscle Strain, and Tissue Weakness in Afflictions Like Rupture, Varicose Conditions, Colds, and Complaints Due to Congestion.
Claims use since first week of November, 1926.

Ser. No. 248,535. (CLASS 38. PRINTS AND PUBLICATIONS.) TODAY'S HUMOR, INC., Oak Park, Ill. Filed May 5, 1927.

TODAY'S HUMOR

"Today's Humor."
Particular description of goods.—Monthly Magazine.
Claims use since on or about May, 1926.

Ser. No. 248,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIS-CLEAVER PRODUCE CO., Quincy, Ill. Filed May 6, 1927.

Ferndale

Particular description of goods.—Dressed Poultry.
Claims use since October, 1922.

Ser. No. 248,617. (CLASS 39. CLOTHING.) LOUIS BASKIND & CO., INC., New York, N. Y. Filed May 7, 1927.

Stylebilt

Particular description of goods.—Men's Dress Shirts.
Claims use since Apr. 25, 1927.

Ser. No. 248,634. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GRAMM MOTORS, INC., Lima, Ohio. Filed May 7, 1927.



The ground of one-half of the shield figure and one-half of the heart figure is colored blue, as indicated by the lining in the drawing.
Particular description of goods.—Motor Busses and Motor Trucks.
Claims use since Oct. 1, 1926.

Ser. No. 248,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. S. NORDBURG, Chicago, Ill. Filed May 7, 1927.

Keep fit—eat eggs!

Particular description of goods.—Eggs.
Claims use since Apr. 2, 1927.

Ser. No. 248,717. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PATENT BUTTON COMPANY, Waterbury, Conn. Filed May 9, 1927.

NEVER CAN BREAK

No claim is made to the phrase "Never Break" apart from the mark as shown.
Particular description of goods.—Nonprecious-Metal Buttons.
Claims use since about Jan. 20, 1927.

Ser. No. 248,721. (CLASS 38. PRINTS AND PUBLICATIONS.) PHOTO-ERA PUBLISHING CO., Wolfeboro, N. H. Filed May 9, 1927.

PHOTO-ERA MAGAZINE

The word "Magazine" is disclaimed apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since on or about May, 1898.

Ser. No. 248,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 9, 1927.



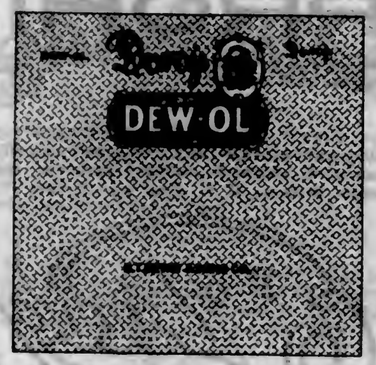
Particular description of goods.—Wheat and Corn Flour and Corn Meal.
Claims use since Apr. 20, 1915, on wheat and corn flour and since June, 1921, on corn meal.

Ser. No. 248,731. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE SHOE FORM CO., INC., Auburn, N. Y. Filed May 9, 1927.



Particular description of goods.—Shoe Forms.
Claims use since Apr. 21, 1927.

Ser. No. 248,757. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. T. DEWEY & SONS CO., New York, N. Y. Filed May 10, 1927.



The crosshatching indicates the color orange. The photograph is a reproduction of the late Hiram T. Dewey, deceased.
Particular description of goods.—Medicinal Wine for Use as a General Tonic.
Claims use since Mar. 1, 1927.

Ser. No. 248,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEAR MEDICINE COMPANY, Cuddy, Pa. Filed May 11, 1927.

BEAR



ASTHMA MEDICINE

No claim is made to the words "Asthma" and "Medicine" apart from the mark shown in the drawing.
Particular description of goods.—Medicinal Preparation for the Treatment of Asthma.
Claims use since Oct. 30, 1925.

Ser. No. 248,853. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed May 11, 1927.

Iroquois

Particular description of goods.—Paste White Paint.
Claims use since Mar. 15, 1910.

Ser. No. 248,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARRY A. CHOUINARD, doing business as Maco Manufacturing Co., Maywood, Ill. Filed May 12, 1927.

VAPOR-RITE

Particular description of goods.—Electrically-Heated Vapor Inhalers.
Claims use since about Mar. 1, 1927.

Ser. No. 248,910. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HUNT-RANKIN LEATHER CO., Boston, Mass. Filed May 12, 1927.

Pasha

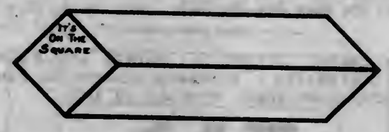
Particular description of goods.—Leathers.
Claims use since Jan. 1, 1927.

Ser. No. 249,005. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) G. H. HAMMOND COMPANY, Chicago, Ill. Filed May 14, 1927.

BIG CHIEF

Particular description of goods.—Soap.
Claims use since Oct. 23, 1922.

Ser. No. 249,016. (CLASS 37. PAPER AND STATIONERY.) DANIEL J. MONTAMBO, doing business as The Universal Accounting Company, Iron River, Mich. Filed May 14, 1927.



Particular description of goods.—Business Record Books.
Claims use since Apr. 16, 1927.

Ser. No. 249,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEINBERG KOSHER SAUSAGE COMPANY, Minneapolis, Minn. Filed May 16, 1927.

SERV-A-LOT

Particular description of goods.—Sausages.
Claims use since on or about Apr. 1, 1927.

Ser. No. 249,064. (CLASS 39. CLOTHING.) ISIDORE GROSSMAN, doing business as Grosaman Clothing Co., New York, N. Y. Filed May 16, 1927.

J. G. & Co

PEARL STRIPE

No claim is made to the words "Pearl Stripe" apart from the mark shown in the drawing.
Particular description of goods.—Men's Outer Suits.
Claims use since about Sept. 15, 1924.

Ser. No. 249,081. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed May 16, 1927.

DULVAR

Particular description of goods.—Varnish.
Claims use since Jan. 30, 1918.

Ser. No. 249,083. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed May 16, 1927.

MINNSPAR

Particular description of goods.—Varnish.
Claims use since Jan. 30, 1927.

Ser. No. 249,084. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed May 16, 1927.

VARNOLEUM

Particular description of goods.—Varnish.
Claims use since Jan. 30, 1918.

Ser. No. 249,085. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed May 16, 1927.

Walkon

Particular description of goods.—Varnish.
Claims use since Jan. 30, 1918.

Ser. No. 249,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAL-O PRODUCTS CO., Rockford, Ill. Filed May 16, 1927.

"Sal-o"

Particular description of goods.—Salad Dressing.
Claims use since Apr. 24, 1924.

Ser. No. 249,106. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) TROPICAL FOOD PRODUCTS COMPANY, Jacksonville, Fla. Filed May 16, 1927.

PROHI

Particular description of goods.—Malt Sirup.
Claims use since Feb. 1, 1927.

Ser. No. 249,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM E. GLICKMAN, doing business as Fidelity Products, Brooklyn, N. Y. Filed May 17, 1927.

6'Zing

Particular description of goods.—Talcum Powder, Tooth Paste, and Salves for Use on Burns, Insect Bites, Sunburn, Chapped Hands, and Skin Irritations.
Claims use since August, 1926.

Ser. No. 249,181. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KLEIN & SON, Montgomery, Ala. Filed May 18, 1927.

KANTOR'S
SUNSHINE

The word "Kantor's" is claimed only in connection with the other features of the mark.
Particular description of goods.—Silver Polish.
Claims use since Jan. 1, 1927.

Ser. No. 249,183. (CLASS 11. INKS AND INKING MATERIALS.) H. LANSCHEY, INC., New York, N. Y. Filed May 18, 1927.

RESTOREX

Particular description of goods.—Preparation for Adding to Inks to Obtain Certain Lithography Results.
Claims use since Feb. 1, 1927.

Ser. No. 249,204. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JACOB C. SWIMMER, doing business as Standard Solvents Company, Brooklyn, N. Y. Filed May 19, 1927.

NITROSOL

Particular description of goods.—Thinner for Lacquer.
Claims use since Jan. 1, 1927.

Ser. No. 249,211. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BERKELEY SPRINGS BOTTLING CO., INC., Berkeley Springs, W. Va. Filed May 19, 1927.

Berkeley Club

The drawing is lined for red.
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since June 1, 1924.

Ser. No. 249,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. JEFFREYS, doing business as Jeffreys Laboratories, Calcium, N. Y. Filed May 19, 1927.

Laxo-Vermirid

Particular description of goods.—Laxative Compound for Expelling Worms from Animals.
Claims use since Mar. 1, 1927.

Ser. No. 249,228. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHNSON & JOHNSON, New Brunswick, N. J. Filed May 19, 1927.

JELCO

Particular description of goods.—Suspensory Bandages.
Claims use since 1900.

Ser. No. 249,247. (CLASS 45. BEVERAGES, NONALCOHOLIC.) G. E. TUCKER, doing business as Sportsmans Club Bev. Co., El Dorado Springs, Mo. Filed May 19, 1927.

Sportsman's Club

The drawing is lined for green.
Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Jan. 1, 1927.

Ser. No. 249,261. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE C. G. BLAKE COMPANY, INC., Cincinnati, Ohio. Filed May 20, 1927.

BOBWHITE

Particular description of goods.—Coal and Coke.
Claims use since Apr. 15, 1927.

Ser. No. 249,267. (CLASS 37. PAPER AND STATIONERY.) EAGLE PENCIL COMPANY, New York, N. Y. Filed May 20, 1927.



The trade-mark consists of a pink band encircling a pencil. No claim is made to the word "Pink" appearing on the drawing.
Particular description of goods.—Lead Pencils.
Claims use since about Aug. 19, 1925.

Ser. No. 249,285. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE MOONBEAM MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 20, 1927.

MOON BEAM

Particular description of goods.—Traffic-Signal-Viewing Devices in the Form of a Lens Which is Adapted to be Placed Upon the Glass Windshield or Hung in a Bracket on the Side Door of an Automobile Within Easy View of the Driver, so as to Facilitate His Observation of the Traffic Signal Lights, Which Would Otherwise Ordinarily be Obscured by the Front Overhanging Roof of the Automobile.
Claims use since May 6, 1927.

Ser. No. 249,303. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STANLEY WORKS, New Britain, Conn. Filed May 20, 1927.

810

Particular description of goods.—Butts.
Claims use since about 1887.

Ser. No. 249,306. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWO-FIFTY SWEETS CO., Haverhill, Mass. Filed May 20, 1927.

TWO-FIFTY

Particular description of goods.—Chocolate Candy Bar.
Claims use since June 1, 1926.

Ser. No. 249,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEROY M. WILLIAMS, St. Louis, Mo. Filed May 20, 1927.



Applicant disclaims the use of the word "Digestive" apart from the mark shown in the drawing.

Particular description of goods.—Medicine to Aid in Digestion of Foods.

Claims use since Apr. 1, 1927.

Ser. No. 249,326. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.



Palmere

No claim is made to the representation of a hat apart from the mark as shown, the portrait being fanciful.

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 3, 1927.

Ser. No. 249,327. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Ileana

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 9, 1927.

Ser. No. 249,330. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Valerie

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 3, 1927.

Ser. No. 249,333. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.



Marche Hats

No claim is made to the word "Hats."

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since Mar. 1, 1927.

Ser. No. 249,334. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Dorothy Helen

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 5, 1927.

Ser. No. 249,335. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Adele

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 7, 1927.

Ser. No. 249,337. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Ann Elizabeth

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 10, 1927.

Ser. No. 249,339. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Martha Gene

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 10, 1927.

Ser. No. 249,340. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Flavia

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 7, 1927.

Ser. No. 249,342. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Miriam Ruth

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 7, 1927.

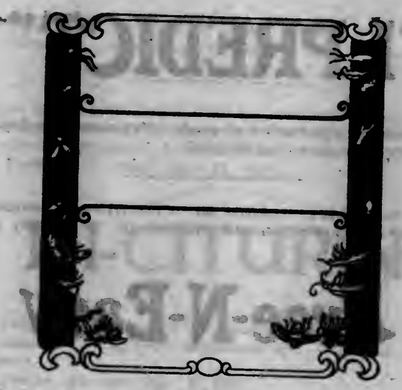
Ser. No. 249,343. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Trixie

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since May 6, 1927.

Ser. No. 249,353. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOWELL COMPANY, INC., New Orleans, La. Filed May 21, 1927.



Particular description of goods.—Insecticide.

Claims use since about Feb. 15, 1927.

Ser. No. 249,394. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIONES-BOMBET GROCER CO. INC., Baton Rouge, La. Filed May 21, 1927.

TOWN MAID

Particular description of goods.—Wheat Flour.

Claims use since January, 1927.

Ser. No. 249,398. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ICHABOD T. WILLIAMS & SONS, New York, N. Y. Filed May 21, 1927.



Particular description of goods.—Logs.
Claims use since Mar. 1, 1926.

Ser. No. 249,406. (CLASS 38. PRINTS AND PUBLICATIONS.) STRATFORD CORBETT, New York, N. Y. Filed May 23, 1927.

"I PREDICT"

Particular description of goods.—Newspaper Section.
Claims use since May 16, 1927.

Ser. No. 249,424. (CLASS 39. CLOTHING.) INTERNATIONAL CORSET COMPANY, Aurora, Ill. Filed May 23, 1927.

Free-N-Easy

Particular description of goods.—Corsets and Hip Confiners.
Claims use since May 1, 1927.

Ser. No. 249,480. (CLASS 39. CLOTHING.) NUBACK UNDERWEAR COMPANY, Kansas City, Mo. Filed May 23, 1927.

HONEY-BOY

Particular description of goods.—Men's Textile-Fabric Union-Suit Underwear.
Claims use since about Mar. 1, 1926.

Ser. No. 249,467. (CLASS 39. CLOTHING.) EMILY SHOPS, INC., New York, N. Y. Filed May 24, 1927.

Emily

Particular description of goods.—Misses' and Women's Blouses, Dresses, Sweaters, Suits, Ensemble Suits, and Hats.
Claims use since August, 1919.

Ser. No. 249,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON COFFEE CO., Chattanooga, Tenn. Filed May 24, 1927.

BLACK GOLD

Particular description of goods.—Coffee.
Claims use since June 18, 1925.

Ser. No. 249,536. (CLASS 39. CLOTHING.) PARKER HOSIERY MILL & DYE WORKS, INC., Portsmouth, Va. Filed May 25, 1927.

HAPPY DAYS

Particular description of goods.—Stockings.
Claims use since 1917.

Ser. No. 249,543. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J. Filed May 25, 1927.

BADGERET

Particular description of goods.—Lather Brushes.
Claims use since Nov. 1, 1926.

Ser. No. 249,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAMARACK RANCH, Imperial County, Calif. Filed May 25, 1927.

TAMARACK RANCH



Particular description of goods.—Fresh Fruits and Vegetables.
Claims use since May, 1923.

Ser. No. 249,563. (CLASS 5. ADHESIVES.) NELS A. ANDERSON, Tacoma, Wash. Filed May 26, 1927.

N. A. ANDERSON'S



The portrait is that of applicant.
Particular description of goods.—Waterproof Wood Cement.
Claims use since Oct. 1, 1926.

Ser. No. 249,577. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed May 26, 1927.

SIGNAL

Particular description of goods.—Lead Pencils.
Claims use since Jan. 15, 1914.

Ser. No. 249,607. (CLASS 39. CLOTHING.) SAMUEL COHEN SHOE CO., Boston, Mass. Filed May 26, 1927.



Particular description of goods.—Boots and Shoes of Leather, Fabrics, or Combinations Thereof.
Claims use since 1911.

Ser. No. 249,614. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed May 26, 1927.



Particular description of goods.—Tire Covers.
Claims use since Dec. 21, 1926.

Ser. No. 249,617. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. M. TURELL FABRICS CORPORATION, New York, N. Y. Filed May 26, 1927.

CREPE MERRIE

No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Fabrics.
Claims use since May 13, 1927.

Ser. No. 249,625. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN COAL & COKE CO., Milwaukee, Wis. Filed May 26, 1927.

MIKADO

Particular description of goods.—Coal.
Claims use since May 1, 1923.

Ser. No. 249,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CARAMEL COMPANY, York, Pa. Filed May 27, 1927.

FLYING FOOL

Particular description of goods.—Candy.
Claims use since May 25, 1927.

Ser. No. 249,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMICO-BIOLOGIC LABORATORIES, INCORPORATED, New York, N. Y. Filed May 27, 1927.

DI-CITURIN

Particular description of goods.—Antiarthritic, Antirheumatic, Antipyretic Medicines and Uric-Acid Eliminants.
Claims use since Apr. 7, 1927.

Ser. No. 249,642. (CLASS 12. CONSTRUCTION MATERIALS.) CRAFTEX COMPANY, Brighton, Mass. Filed May 27, 1927.

CRAFTEX

Particular description of goods.—Composition of Earthy Materials for Walls, Ceilings, and Floors and a Filler for Cracks and Crevices.
Claims use since Jan. 1, 1915.

Ser. No. 249,668. (CLASS 39. CLOTHING.) W. H. MILES SHOE CO., INC., Richmond, Va. Filed May 27, 1927.

Robinson Crusoe

Particular description of goods.—Boots and Shoes Made of Leather.
Claims use since July, 1926.

Ser. No. 249,696. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed May 28, 1927.

SPEEDMORE

Particular description of goods.—Corn Knives, Lawn Mowers, and Automobile Jacks.
Claims use since January, 1923.

Ser. No. 249,697. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed May 28, 1927.

OLD Kentucky Home

Particular description of goods.—Ice Picks.
Claims use since December, 1924.

Ser. No. 249,709. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed May 28, 1927.

KODO

Particular description of goods.—Photographic Shutters.
Claims use since on or about Apr. 1, 1927.

Ser. No. 249,740. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed May 28, 1927.

BABE-OLEUM

Particular description of goods.—Cleaning Preparation of Soap and Other Ingredients for Use in Washing Babies and Other Uses of a Delicate Nature.
Claims use since about June 1, 1926.

Ser. No. 249,750. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATRICK A. POWERS, Los Angeles, Calif., and New York, N. Y. Filed May 28, 1927.

The VOICE of the MOVIES

Particular description of goods.—Talking-Motion-Picture Films.
Claims use since May 20, 1927.

Ser. No. 249,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STUHR-SEIDL COMPANY, Minneapolis, Minn. Filed May 28, 1927.

Flaxcreen

Particular description of goods.—Ground Flax Screenings.
Claims use since Jan. 1, 1925.

Ser. No. 249,762. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SONS, INC., New York, N. Y. Filed May 28, 1927.

ART DE SPRAE

Particular description of goods.—Silk and Cotton Piece Goods.
Claims use since May 2, 1927.

Ser. No. 249,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SONS, INC., New York, N. Y. Filed May 28, 1927.

FIATELLE

Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1927.

Ser. No. 249,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOVILLE, BROWN & COMPANY, Wellsville, N. Y. Filed May 31, 1927.

ES·BE·CO

Particular description of goods.—Canned Vegetables, Tea, and Coffee.
Claims use since November, 1926.

Ser. No. 249,818. (CLASS 39. CLOTHING.) THE THOMAS SMILEY COMPANY, Portland, Me. Filed May 31, 1927.

MERITONE

Particular description of goods.—Hosiery.
Claims use since March, 1927.

Ser. No. 249,820. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed May 31, 1927.

Studebaker

Particular description of goods.—Tire Covers.
Claims use since December, 1922.

Ser. No. 249,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DOG AND CAT DRUG STORES, INC., Baltimore, Md. Filed June 1, 1927.

TRIANGLE REMEDIES

The words "Dog," "Cat," "Bird," and "Remedies" are disclaimed apart from the mark shown.
Particular description of goods.—Mixed Canary Seed, Parrot Mixture, Song Restorer, and Plumage Food for Birds, and Fish Food.
Claims use since Nov. 20, 1926.

Ser. No. 249,853. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATORIES JAQ INCORPORATED, New York, N. Y. Filed June 1, 1927.

SEEQIT

Particular description of goods.—Medicinal Tablets for Use by Women in Relieving Menstrual Pain.
Claims use since May 24, 1927.

Ser. No. 249,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Filed June 1, 1927.

TEXIDE

Particular description of goods.—Insecticides.
Claims use since Mar. 30, 1927.

Ser. No. 249,901. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUDSON MANUFACTURING CO., Minneapolis, Minn. Filed June 2, 1927.

SCOUT

Particular description of goods.—Hand-Operated Portable Sprayers and Parts Thereof.
Claims use since Jan. 1, 1927.

Ser. No. 249,902. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUDSON MANUFACTURING CO., Minneapolis, Minn. Filed June 2, 1927.

MASTER FOG

Particular description of goods.—Hand-Operated Portable Sprayers and Parts Thereof.
Claims use since Jan. 1, 1927.

Ser. No. 249,903. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUDSON MANUFACTURING CO., Minneapolis, Minn. Filed June 2, 1927.

MORO

Particular description of goods.—Hand-Operated Portable Sprayers and Parts Thereof.
Claims use since Jan. 1, 1927.

Ser. No. 249,942. (CLASS 32. FURNITURE AND UPHOLSTERY.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed June 3, 1927.

OLD Kentucky Home

Particular description of goods.—Mattresses.
Claims use since June 1, 1926.

Ser. No. 249,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. C. CARLSON, Boston, Mass. Filed June 3, 1927.

BLOOMOL

Particular description of goods.—Lotion for the Treatment of the Eyes.
Claims use since May 1, 1927.

Ser. No. 249,951. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

BALFORD

Particular description of goods.—Woolen and Worsted Fabric in the Piece.
Claims use since May 19, 1927.

Ser. No. 249,952. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

Ballydeere

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 17, 1927.

Ser. No. 249,953. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

BARNABORO

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 16, 1927.

Ser. No. 249,954. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

Buxbirn

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 17, 1927.

Ser. No. 249,955. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

Chatworth

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 13, 1927.

Ser. No. 249,956. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

KENNYGAL

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 17, 1927.

Ser. No. 249,958. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

WARDLEIGH

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 17, 1927.

Ser. No. 249,959. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

Wickshire

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 16, 1927.

Ser. No. 249,960. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 3, 1927.

Yorkgate

Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 16, 1927.

Ser. No. 249,966. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed June 3, 1927.

SPIRIT OF ST. LOUIS

Particular description of goods.—Printing and Writing Paper Commonly Employed for Printing and Writing Purposes.
Claims use since June 2, 1927.

Ser. No. 249,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MAZ CO., Altoona, Pa. Filed June 3, 1927.

MAZ

Particular description of goods.—A Pile Remedy Put Up in Tube and Box (Tin) Form.
Claims use since May 21, 1925.

Ser. No. 249,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed June 3, 1927.

SULFINDONE

Particular description of goods.—Dyestuffs.
Claims use since October, 1921.

Ser. No. 250,001. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SEYMOUR PACKING CO., Topeka, Kans. Filed June 3, 1927.

COMMERCIAL

Particular description of goods.—Eggs.
Claims use since Mar. 30, 1927.

Ser. No. 250,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FEVRIER & DECOISY, Paris, France. Filed June 4, 1927.



Particular description of goods.—Depilatories.
Claims use since July 20, 1921.

Ser. No. 250,063. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANDY BROS. MFG. CO., St. Louis, Mo. Filed June 6, 1927.

PONTIAC

Particular description of goods.—Candy.
Claims use since Apr. 25, 1927.

Ser. No. 250,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 6, 1927.



Applicant makes no claim to the exclusive right to any of the words displayed upon the said mark other than "Colgate's" and "Colgate & Co." apart from the mark as shown. The vertical lining denotes old rose, the oblique lining denotes brown, and the dotted part denotes gold, these being colors usually used.
Particular description of goods.—Talc Powder.
Claims use since April, 1921.

Ser. No. 250,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 6, 1927.



Applicant makes no claim to the exclusive right to any of the words displayed upon the said mark other than "Colgate's" and "Colgate & Co." apart from the mark as shown. The horisontal lining denotes blue, the vertical lining denotes pink, and the dotted part denotes gold, these being colors usually used.
Particular description of goods.—Talc Powder.
Claims use since April, 1921.

Ser. No. 250,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, INC., Johnson City, Tenn. Filed June 6, 1927.

CONQUEST

Particular description of goods.—Plain and Self-Rising Flour.
Claims use since Apr. 4, 1927.

Ser. No. 250,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. G. MORSE CO., Chicago, Ill. Filed June 6, 1927.

Uncle Heinie

Particular description of goods.—Candy.
Claims use since May 9, 1927.

Ser. No. 250,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed June 6, 1927.

DIAZINE

Particular description of goods.—Dyestuffs.
Claims use since 1914.

Ser. No. 250,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEOPLES MILLING COMPANY, Muskegon, Mich. Filed June 6, 1927.

MALTO

Particular description of goods.—Dairy Feed.
Claims use since Sept. 1, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 12, 1927.

229,910. GENERAL TONIC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 22, 1927. Serial No. 246,175. PUBLISHED MAY 3, 1927.

229,911. SPRING-SASH BALANCES. ALBERT H. KERSTING, doing business as The Acme Spring Sash Balance Co., Los Angeles, Calif.
Filed March 22, 1927. Serial No. 246,163. PUBLISHED MAY 3, 1927.

229,912. PREPARATION OF ALKALINE SALTS DESIGNED FOR INTERNAL ADMINISTRATION FOR THE RELIEF OF HYPERACIDITY, FLATULENCE, AND SIMILAR DISORDERS. FAIRCHILD BROS. & FOSTER, New York, N. Y.
Filed March 22, 1927. Serial No. 246,154. PUBLISHED MAY 3, 1927.

229,913. SEWING MACHINES. THE PRISCILLA COMPANY, Boston, Mass.
Filed March 21, 1927. Serial No. 246,120. PUBLISHED MAY 3, 1927.

229,914. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed March 21, 1927. Serial No. 246,089. PUBLISHED MAY 3, 1927.

229,915. INSECTICIDES. MAURICE L. BERNSTEIN, doing business as Marjo Drug Co., Washington, D. C.
Filed March 25, 1927. Serial No. 246,329. PUBLISHED MAY 3, 1927.

229,916. WHEAT FLOUR. SAMUEL KNIGHTON & SONS, INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,293. PUBLISHED MAY 3, 1927.

229,917. WHEAT FLOUR. SAMUEL KNIGHTON & SONS, INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,292. PUBLISHED MAY 3, 1927.

229,918. SILVER NITRATE IN SPECIALLY PREPARED FORM. ALFRED J. HOCKINGS, Crystal Falls, Mich.
Filed March 24, 1927. Serial No. 246,284. PUBLISHED MAY 3, 1927.

229,919. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, SHAMPOOS, DRY SHAMPOOS, HAIR WHITENER, HAIR DYE, TOOTH POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. HEATHER COMPANY, New York, N. Y.
Filed March 24, 1927. Serial No. 246,280. PUBLISHED MAY 3, 1927.

229,920. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, SHAMPOOS, DRY SHAMPOOS, HAIR WHITENER, HAIR DYE, TOOTH POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. HEATHER COMPANY, New York, N. Y.
Filed March 24, 1927. Serial No. 246,279. PUBLISHED MAY 3, 1927.

229,921. PERFUMES, COLOGNE, BEAUTY CREAMS, AND SKIN LOTIONS. MARCEL GUERLAIN, Suresnes, Paris, France.
Filed November 23, 1926. Serial No. 240,491. PUBLISHED MAY 3, 1927.

229,922. MEDICINAL PREPARATIONS OF HÆMOGLOBIN USED FOR THE TREATMENT OF ANÆMIAS, DEBILITATED CONDITIONS, AND OTHER EVIDENCES OF HÆMOGLOBIN DEFICIENCY. EDMOND DESCHIENS, Paris, France.
Filed November 27, 1926. Serial No. 240,646. PUBLISHED APRIL 26, 1927.

229,923. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL AND TOOL COMPANY, Boston, Mass.
Filed December 4, 1926. Serial No. 240,943. PUBLISHED MAY 3, 1927.

229,924. WATER SOFTENER AND A BLEACHING AND CLEANSING SOLUTION FOR WASHING. THOMAS J. CADORETTE, doing business as Two Brothers' Javelle Water Co., Peabody, Mass.
Filed December 4, 1926. Serial No. 240,956. PUBLISHED APRIL 12, 1927.

229,925. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL AND TOOL COMPANY, Boston, Mass.
Filed December 6, 1926. Serial No. 241,017. PUBLISHED MAY 3, 1927.

229,926. MEN'S CLOTHING—NAMELY, PANTS, VESTS, COATS, AND SUITS. THE HART COMPANY, Los Angeles, Calif.
Filed December 7, 1926. Serial No. 241,100. PUBLISHED APRIL 19, 1927.

229,927. COMIC-PICTURE PAGES, COMIC-PICTURE STRIPS, COMIC-PICTURE DRAWINGS, APPEARING PERIODICALLY IN NEWSPAPERS. HAROLD L. GRAY, Chicago, Ill.
Filed December 29, 1926. Serial No. 242,122. PUBLISHED MAY 3, 1927.

229,928. COTTON AND LINEN AND SILK AND RAYON SHEETS, PILLOW CASES, DRESS GOODS, BED SPREADS, ETC. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed December 10, 1926. Serial No. 241,288. PUBLISHED MAY 3, 1927.

229,929. 50-INCH REPP IN THE PIECE. COHN HALL MARX CO., New York, N. Y.
Filed December 11, 1926. Serial No. 241,323. PUBLISHED MAY 3, 1927.

229,930. LADIES' HOSIERY. MANDEL & COHEN, New York, N. Y.
Filed December 24, 1926. Serial No. 241,946. PUBLISHED APRIL 26, 1927.

229,931. MALT SIRUP FOR FOOD PURPOSES. SOUTHWARK FOOD PRODUCTS CO., Philadelphia, Pa.
Filed December 24, 1926. Serial No. 241,969. PUBLISHED APRIL 26, 1927.

229,932. WRITING PAPER. HERMAN GROVER, New York, N. Y.
Filed January 8, 1927. Serial No. 242,533. PUBLISHED MAY 3, 1927.

229,933. CANNED VEGETABLES, CANNED PORK AND BEANS, AND PICKLES. THE KUNER PICKLE CO., Brighton, Colo.
Filed January 8, 1927. Serial No. 242,540. PUBLISHED APRIL 26, 1927.

229,934. MAGAZINE PUBLISHED MONTHLY BY DISTRIBUTORS OF COAL, COKE, AND BUILDERS' SUPPLIES. UNITED FUEL & SUPPLY COMPANY, Detroit, Mich.
Filed January 10, 1927. Serial No. 242,633. PUBLISHED MAY 3, 1927.

229,935. GINGER ALE AND NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. HENRY WORATZ, Waukegan, Ill.
Filed January 10, 1927. Serial No. 242,646. PUBLISHED MAY 3, 1927.

229,936. POLISHING AND BURNISHING MATERIAL MADE OF METAL. HERMAN LEROY BEAVER, Philadelphia, Pa.
Filed January 13, 1927. Serial No. 242,772. PUBLISHED MAY 3, 1927.

229,937. TOMATO SAUCE, MACARONI, AND OLIVE OIL. CELLAS', INC., New York, N. Y.
Filed January 14, 1927. Serial No. 242,816. PUBLISHED APRIL 26, 1927.

229,938. PIPES. KNOWLES & COMPANY, INC., Boston, Mass.
Filed January 13, 1927. Serial No. 242,787. PUBLISHED MAY 3, 1927.

229,939. MEDICINAL AGENTS—NAMELY, ARSENIC, MERCURY, IRON, SULPHUR, BISMUTH, LEAD, ANTIMONY TO BE USED FOR INTRADERMAL, INTRAMUSCULAR, AND/OR INTRAVENOUS MEDICATION. MENLEY & JAMES, LTD., NEW YORK, New York, N. Y.
Filed January 17, 1927. Serial No. 242,957. PUBLISHED MAY 3, 1927.

229,940. EYE REMEDIES AND EYE SALVE. THE MURINE COMPANY, INC., Chicago, Ill.
Filed January 17, 1927. Serial No. 242,958. PUBLISHED MAY 3, 1927.

229,941. METAL POLISH IN LIQUID FORM. SPURGEON G. KOPP, doing business as Kopp Chemical Company, Kingston, Pa.
Filed February 28, 1927. Serial No. 245,013. PUBLISHED MAY 3, 1927.

229,942. LOTION FOR CRACKED, CHAPPED, AND BLEEDING HANDS. WILLIAM C. MEYER, doing business as Wm. C. Meyer Drug Specialty Co., St. Louis, Mo.
Filed February 28, 1927. Serial No. 245,018. PUBLISHED APRIL 26, 1927.

229,943. FREE-RUNNING SALT AND ALSO IODIZED SALT. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed February 28, 1927. Serial No. 245,025. PUBLISHED APRIL 26, 1927.

229,944. GRAPE JUICE. VINTNER IMPORT COMPANY, New York, N. Y.
Filed February 28, 1927. Serial No. 245,038. PUBLISHED MAY 3, 1927.

229,945. METAL POLISH. BANKERS' METAL POLISH CO., Greensboro, N. C.
Filed March 1, 1927. Serial No. 245,043. PUBLISHED MAY 3, 1927.

229,946. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. JORDAN MARSH COMPANY, Boston, Mass.
Filed March 1, 1927. Serial No. 245,055. PUBLISHED APRIL 26, 1927.

229,947. ELECTRICAL REFRIGERATORS. R. H. MACY & CO., INC., New York, N. Y.
Filed March 1, 1927. Serial No. 245,067. PUBLISHED APRIL 26, 1927.

229,948. WINDSHIELD WIPERS OF THE SQUEEGEE TYPE AND PARTS THEREOF INCLUDING INSIDE AND OUTSIDE WIPING MEMBERS. THE LUDDEN-BURTON COMPANY, Worcester, Mass.
Filed March 2, 1927. Serial No. 245,101. PUBLISHED MAY 3, 1927.

229,949. INSECTICIDES, BOTH LIQUID AND POWDER FORM. BENJAMIN D. SMITH, doing business as Smith Manufacturing Co., Utica, N. Y.
Filed March 2, 1927. Serial No. 245,111. PUBLISHED APRIL 26, 1927.

229,950. PERFUMES, ESSENCES OF PERFUMES, ESSENCES FOR PERFUMERY MATERIALS, AROMATIC MATERIALS, SYNTHETIC PERFUME MATERIALS, AND ETHEREAL OILS. ARNOLD LOUIS VAN AMERINGEN, New York, N. Y.
Filed March 2, 1927. Serial No. 245,118. PUBLISHED APRIL 26, 1927.

229,951. ICE CREAM. ESKIMO PIE CORPORATION, Louisville, Ky.
Filed March 3, 1927. Serial No. 245,143. PUBLISHED APRIL 26, 1927.

229,952. HOSIERY. PAUL O. KUEHN, South Bend, Ind.
Filed March 3, 1927. Serial No. 245,147. PUBLISHED APRIL 26, 1927.

229,953. HAIR GROWER AND DRESSING. R. C. WHITMAN, doing business as La Rosco Co., Macon, Ga.
Filed March 3, 1927. Serial No. 245,176. PUBLISHED MAY 3, 1927.

229,954. FACE POWDER AND CREAM. THE ARMAND COMPANY, Des Moines, Iowa.
Filed March 4, 1927. Serial No. 245,183. PUBLISHED APRIL 26, 1927.

229,955. MIXTURE OF POWDERED PECTIN AND ACIDIFIED SUGAR OR ACIDIFIED CORN SUGAR, BEING USED IN QUICK JELLY-MAKING PROCESSES. SPEAS MANUFACTURING COMPANY, Kansas City, Mo.
Filed March 4, 1927. Serial No. 245,232. PUBLISHED MAY 3, 1927.

229,956. FRESH TOMATOES. BIEDERMAN BROS. PRODUCE Co., St. Louis, Mo.
Filed March 24, 1927. Serial No. 246,264. PUBLISHED MAY 3, 1927.

229,957. TOOTH PASTE. EDWARD GORODERS, doing business as The Gray Chemical Company, New York, N. Y.
Filed March 5, 1927. Serial No. 245,267. PUBLISHED APRIL 26, 1927.

229,958. LAXATIVE EMULSION. THE MILKS EMULSION Co., Terre Haute, Ind.
Filed March 5, 1927. Serial No. 245,281. PUBLISHED APRIL 26, 1927.

229,959. TYPEWRITING MACHINES. THE SMITH PREMIER TYPEWRITER COMPANY, Syracuse and New York, N. Y.
Filed March 4, 1927. Serial No. 245,230. PUBLISHED MAY 3, 1927.

229,960. BIBS, BABY PANTS, APRONS, BATHING CAPS, BATHING CAPES, SHADOW PETTICOATS, BATHING SHOES, SHADOW PANELS, GARTERS, SCARFS, GIRDLES, AND CORSETS. KABE-QUINBY RUBBER COMPANY, INC., New York, N. Y.
Filed February 25, 1926. Serial No. 227,801. PUBLISHED APRIL 26, 1927.

229,961. PERFUMES, TOILET WATERS, TALCUM POWDER, FACE CREAMS, AND HAIR TONIC. LA SALLE PRODUCTS, INC., doing business as 'D'Ciny,' St. Paul, Minn.
Filed March 9, 1926. Serial No. 228,884. PUBLISHED MAY 3, 1927.

229,962. LACQUER. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky.
Filed February 24, 1927. Serial No. 244,831. PUBLISHED MAY 3, 1927.

229,963. LEATHER BELTING AND BELT LACING. BROWNING-ROBERTS BELTING COMPANY, Knoxville, Tenn.
Filed February 24, 1927. Serial No. 244,816. PUBLISHED MAY 3, 1927.

229,964. AUTOMOBILE TRANSMISSIONS. WARNER GEAR COMPANY, Muncie, Ind.
Filed February 23, 1927. Serial No. 244,805. PUBLISHED MAY 3, 1927.

229,965. PHOSPHATES AND OTHER FERTILIZERS. PHOSPHATES DE SAINT-SYMPHORIEN, Saint-Symphorien, near Mons, Belgium.
Filed February 21, 1927. Serial No. 244,718. PUBLISHED MAY 3, 1927.

229,966. TOOTH PASTE. LEHN & FINK, INC., New York, N. Y.
Filed February 21, 1927. Serial No. 244,701. PUBLISHED APRIL 26, 1927.

229,967. SEMILIQUID FLOOR POLISH FOR RUBBER FLOORS. CONTINENTAL CHEMICAL CORPORATION OF ILLINOIS, Watseka, Ill.
Filed February 21, 1927. Serial No. 244,669. PUBLISHED MAY 3, 1927.

229,968. SHAVING CREAM TO BE USED BEFORE SHAVING, SHAVING STICKS, SHAVING POWDER, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL, LAUNDRY SOAPS, SOAP FLAKES, HAND SOAP, TOILET SOAPS, SOAP PASTES, AND SHAMPOO SOAPS. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn.
Filed February 19, 1927. Serial No. 244,641. PUBLISHED MAY 3, 1927.

229,969. ANTISEPTIC, ASTRINGENT, DEODORANT, AND PROPHYLACTIC FOR VAGINAL AND GENERAL USE. UNEEDA DRUG CO., INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,637. PUBLISHED APRIL 26, 1927.

229,970. NAIL POLISH. REICHMAN & FAUST, New York, N. Y.
Filed February 19, 1927. Serial No. 244,629. PUBLISHED MAY 3, 1927.

229,971. BOXES AND CARTONS MADE FROM FIBER-PAPER MATERIALS USUALLY TERMED BOX-BOARD OR FIBER BOARD. NATIONAL FIBRE BOX COMPANY, INCORPORATED, New York, N. Y.
Filed February 19, 1927. Serial No. 244,623. PUBLISHED MAY 3, 1927.

229,972. PARTICULAR COLUMN OF NEWS IN THE MORNING TELEGRAPH (NEWSPAPER). MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed February 19, 1927. Serial No. 244,622. PUBLISHED MAY 3, 1927.

229,973. INSECTICIDE. WILLIAM S. MICHELBACH, Alexandria, Va.
Filed February 19, 1927. Serial No. 244,621. PUBLISHED MAY 3, 1927.

229,974. CREPE-PAPER DOLL OUTFITS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed February 19, 1927. Serial No. 244,605. PUBLISHED MAY 3, 1927.

229,975. PREPARATION FOR USE IN THE TREATMENT OF PELLAGRA AND CHRONIC INDIGESTION. L. D. WILBY, Madison, Ark.
Filed February 18, 1927. Serial No. 244,588. PUBLISHED MAY 3, 1927.

229,976. FOOTWEAR OF RUBBER, FABRIC AND RUBBER, AND FABRIC—NAMELY, BOOTS, SHOES, RUBBERS, OVERSHOES, SANDALS, PACS, ARCTICS, GALOSHES, AND GAITERS. FIRESTONE FOOTWEAR COMPANY, Hudson, Mass.
Filed October 20, 1926. Serial No. 238,902. PUBLISHED APRIL 26, 1927.

229,977. LADIES' COATS, LADIES' HATS, AND LADIES' DRESSES. JOSEPH AND MILTON, Toronto, Ontario, Canada.
Filed March 16, 1926. Serial No. 228,703. PUBLISHED APRIL 27, 1926.

229,978. APPARATUS FOR SPRAYING OR FORCIBLY EJECTING CEMENTITIOUS COMPOSITIONS. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed March 19, 1926. Serial No. 228,846. PUBLISHED MAY 3, 1927.

229,979. WHEAT FLOUR, STOCK AND POULTRY FEEDS. THE COLES COMPANY, Middletown, Conn.
Filed March 22, 1926. Serial No. 228,975. PUBLISHED APRIL 26, 1927.

229,980. ALL KINDS OF FLAT GLASS—SILVERED AND UNSILVERED. WILLIAMSPORT MIRROR AND GLASS COMPANY, Williamsport, Pa.
Filed May 6, 1926. Serial No. 231,224. PUBLISHED MAY 3, 1927.

229,981. DRAWPLATES, DRAW NOZZLES, AND PRESSURE NOZZLES ALL USED IN DRAWING OUT METALS, SUCH AS IN WIRE MAKING, ETC.; TURNING TOOLS, MILLING CUTTERS, DRILLS, STONE-PLANING TOOLS, COAL AND STONE HOLING PIKES, CUTTER HEADS FOR COAL AND STONE BORING HAMMERS, COAL AND STONE CUTTING MACHINES, AND COAL AND STONE DRILLING MACHINES. GEWERKSCHAFT WALTRAM, ABTEILUNG METALLWERKE, Essen-Ruhr, Germany.
Filed May 18, 1926. Serial No. 231,801. PUBLISHED MAY 3, 1927.

229,982. TASTELESS CASTOR OIL. ABBOTT LABORATORIES, North Chicago, Ill.
Filed May 22, 1926. Serial No. 232,059. PUBLISHED APRIL 26, 1927.

229,983. SHOVELS, HOES, AXES, PICKS, AND HAMMERS. ANCHOR HARDWARE STORES CO., Kansas City, Mo.
Filed May 24, 1926. Serial No. 232,115. PUBLISHED MAY 3, 1927.

229,984. VEHICLE SPRINGS AND BUMPERS. BENZ SPRING CO., Portland, Oreg.
Filed May 26, 1926. Serial No. 232,247. PUBLISHED AUGUST 10, 1926.

229,985. NAME OF A DAILY NEWSPAPER. SUN PRINTING AND PUBLISHING ASSOCIATION, New York, N. Y.
Filed May 26, 1926. Serial No. 232,297. PUBLISHED DECEMBER 21, 1926.

229,986. PIES DISPENSED AND DISTRIBUTED IN AN INDIVIDUAL CARTON OR PACKAGE. THE BURNS-BOWE BAKING COMPANY, Cleveland, Ohio.
Filed June 2, 1926. Serial No. 232,605. PUBLISHED JULY 27, 1926.

229,987. DENTIFRICES AND LIQUID DENTIFRICES. J. S. TYREE, CHEMIST, INC., Washington, D. C.
Filed June 10, 1926. Serial No. 233,039. PUBLISHED MAY 3, 1927.

229,988. PREPARATION FOR THE TREATMENT OF THE SCALP TO PREVENT FALLING HAIR, AND FOR THE REMOVAL OF DANDRUFF; HAIR TONIC, HAIRDRESSING, AFTER-SHAVING LOTION, TOILET WATER, AND COLD CREAM. PAUL WEIDENMILLER, Springfield, Mass.
Filed June 12, 1926. Serial No. 233,151. PUBLISHED AUGUST 24, 1926.

229,989. HAIR DYE. INECTO INC., New York, N. Y.
Filed June 16, 1926. Serial No. 233,316. PUBLISHED MAY 3, 1927.

229,990. UNDERWEAR OF KNITTED, NETTED, OR TEXTILE FABRIC, AND BATHING SUITS. BROWN-DURRELL CO., Boston, Mass., and New York, N. Y.
Filed July 3, 1926. Serial No. 234,060. PUBLISHED APRIL 26, 1927.

229,991. HAIR TONIC, MOUTH WASH, PERFUMES, EAU DE COLOGNE WATER, LAVENDER WATER, ROUGE, COLD CREAM, VANISHING CREAM, TOOTH PASTE, MUSTACHE POMADE, FACE POWDER, AND BABY POWDER. JÜNGER & GEBHARDT AKT. GES., Berlin, Germany.
Filed July 3, 1926. Serial No. 234,127. PUBLISHED APRIL 26, 1927.

229,992. QUANTITY-RECORDING AND RECEIPT-ISSUING MACHINES USED IN THE SALE OF GASOLINE. GASOLINE REGISTER COMPANY, Chicago, Ill.
Filed July 8, 1926. Serial No. 234,297. PUBLISHED MAY 3, 1927.

229,993. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. YOUNGS RUBBER CORPORATION, INC., New York, N. Y.
Filed July 15, 1926. Serial No. 234,605. PUBLISHED APRIL 26, 1927.

229,994. BUTTER. CORBIN & WIESMER, Binghamton, N. Y.
Filed July 19, 1926. Serial No. 234,700. PUBLISHED NOVEMBER 2, 1926.

229,995. FRESH GRAPES. GEORGE ZANINOVICH, doing business as Zaninovich Bros. Vineyards, Orosi, Calif.
Filed July 20, 1926. Serial No. 234,810. PUBLISHED APRIL 26, 1927.

229,996. MEDICINAL PREPARATION, BEING AN ANTISEPTIC PREPARATION FOR USE AS A MOUTH WASH AND SERVING AS A RELIEF FOR COLDS AND CATARRH. SAMUEL A. GOLDSTEIN, doing business as Century Pharmacal Co., New York, N. Y.
Filed February 18, 1927. Serial No. 244,555. PUBLISHED MAY 3, 1927.

229,997. CINDER CONCRETE BRICKS, TILES, BLOCKS, LINTELS, PIER BLOCKS, CHIMNEY BLOCKS, PIPE AND OTHER PRECAST CINDER CONCRETE BUILDING UNITS MADE OF CINDER, CEMENT, LIME, AND OTHER ADMIXTURES. CINCRETE, INC., Clarksburg, W. Va.
Filed April 1, 1925. Serial No. 211,977. PUBLISHED JUNE 23, 1925.

229,998. TIRE COVERS. THE PIERCE-ARROW MOTOR CAR COMPANY, Buffalo, N. Y.
Filed April 8, 1925. Serial No. 212,399. PUBLISHED MAY 3, 1927.

229,999. STOP LIGHTS AND STOP-LIGHT SIGNALS FOR USE ON VEHICLES, COMBINATION STOP AND PARKING LIGHTS, PARKING LIGHTS, STOP-LIGHT SWITCHES, DASH AND RADIO SWITCHES. HERBERT G. BEYER, doing business as Atlantic Manufacturing Company, Baltimore, Md.
Filed April 16, 1925. Serial No. 212,775. PUBLISHED JULY 14, 1925.

230,000. PHONOGRAPH AND RADIO CABINETS. JOSEPH BERG, Long Island City, N. Y.
Filed April 17, 1925. Serial No. 212,849. PUBLISHED AUGUST 4, 1925.

230,001. ROTARY RECTIFYING SWITCHES AND X-RAY APPARATUS. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed May 25, 1925. Serial No. 214,900. PUBLISHED APRIL 26, 1927.

230,002. ROTARY RECTIFYING SWITCHES AND X-RAY APPARATUS. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed May 25, 1925. Serial No. 214,901. PUBLISHED APRIL 26, 1927.

230,003. SILK HOSIERY AND LEATHER SHOES FOR MEN, WOMEN, AND CHILDREN. SOPHIA ROSEN, doing business as Bernel Hosiery Company, Tulsa, Okla.
Filed July 9, 1925. Serial No. 217,113. PUBLISHED APRIL 26, 1927.

230,004. DOUGHNUTS. EDWARD S. GOLDHILL, New York, N. Y.
Filed August 25, 1925. Serial No. 219,328. PUBLISHED MAY 3, 1927.

230,005. MAYONNAISE SALAD DRESSING, MAYONNAISE, MUSTARD, THOUSAND ISLAND DRESSING, HORSE-RADISH, AND SANDWICH RELISH CONSISTING OF A MIXTURE OF CREAM CHEESE, MAYONNAISE, AND PICKLE RELISH. CAPITAL FOOD PRODUCTS COMPANY, Dallas, Tex.
Filed August 27, 1925. Serial No. 219,418. PUBLISHED APRIL 26, 1927.

230,006. MATTRESSES. A. NEIMAN & Co., Louisville, Ky.
Filed November 23, 1925. Serial No. 223,735. PUBLISHED MARCH 2, 1926.

230,007. COFFEE, TEA, AND SPICES; COCOA, PREPARED MUSTARD, FOOD-FLAVORING EXTRACTS, JAMS, JELLLIES; AND CANNED GOODS—NAMELY, CORN, PEAS, TOMATOES, SAUERKRAUT, BEANS, ASPARAGUS, PEACHES, APRICOTS, PEARS, PINEAPPLE, RASPBERRIES, LOGANBERRIES, CHERRIES, BLUEBERRIES, BEETS, TOMATO CATCHUP, OLIVES, CHILE SAUCE, PICKLES, AND APPLE BUTTER. WM. GROSSMAN CO., Milwaukee, Wis.
Filed December 30, 1925. Serial No. 225,303. PUBLISHED APRIL 26, 1927.

230,008. FARM, ORCHARD, OR MILK PRODUCTS—NAMELY, FRESH MILK, FRESH APPLES, AND BUTTER. MARK H. MOODY, doing business as Winnisquam Farms, Waterbury, Vt.
Filed January 16, 1926. Serial No. 226,012. PUBLISHED APRIL 26, 1927.

230,009. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, AND LACQUERS. HELMUTH REICHHOLD, doing business as Beck-Koller & Company, Detroit, Mich.
Filed February 18, 1926. Serial No. 227,474. PUBLISHED APRIL 26, 1927.

230,010. ANTISEPTICS. FORHMAN COMPANY, New York, N. Y.
Filed February 7, 1927. Serial No. 243,933. PUBLISHED APRIL 26, 1927.

230,011. INSECTICIDE. KILLEM MANUFACTURING COMPANY, Orlando, Fla.
Filed February 7, 1927. Serial No. 243,952. PUBLISHED MAY 3, 1927.

230,012. STUMP STOCKINGS AND STUMP SOCKS. STERLING STOCKING CO., Mount Sterling, Ohio.
Filed February 7, 1927. Serial No. 243,979. PUBLISHED APRIL 26, 1927.

230,013. BREAD. WHITE HALL BAKING COMPANY, Flint, Mich.
Filed February 7, 1927. Serial No. 243,986. PUBLISHED APRIL 26, 1927.

230,014. POWDER EMPLOYED AS A RADIATOR CLEANSER. WALROD CHEMICAL COMPANY, Hartford, Conn.
Filed January 29, 1927. Serial No. 243,570. PUBLISHED MAY 3, 1927.

230,015. CRACKERS AND CANDY. PACIFIC COAST BISCUIT CO., Portland, Oreg.
Filed January 29, 1927. Serial No. 243,559. PUBLISHED APRIL 26, 1927.

230,016. FRENCH GRUYÈRE CHEESE. FROMAGERIES BEL, Lons-le-Saunier, Jura, France.
Filed January 29, 1927. Serial No. 243,537. PUBLISHED MAY 3, 1927.

230,017. WALL CALENDARS. WORZALLA PUBLISHING COMPANY, Stevens Point, Wis.
Filed February 7, 1927. Serial No. 243,989. PUBLISHED MAY 3, 1927.

230,018. SHAVING SOAP AND SHAVING STICKS. COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y.
Filed February 8, 1927. Serial No. 244,000. PUBLISHED MAY 3, 1927.

230,019. SILK THREAD. SOIERIES COUDURIER, FRUCTUS & DESCHER DE NEW YORK, INC., New York, N. Y.
Filed November 21, 1923. Serial No. 188,643. PUBLISHED MAY 3, 1927.

230,020. PHOTOGRAPHIC SENSITIZED MATERIALS, PARTICULARLY PLATES. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed July 24, 1924. Serial No. 200,436. PUBLISHED SEPTEMBER 9, 1924.

230,021. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. PACKARD MOTOR CAR COMPANY, Detroit, Mich.
Filed December 6, 1924. Serial No. 206,365. PUBLISHED APRIL 26, 1927.

230,022. BREAD. JOE LOWE CO. INC., Brooklyn, N. Y.
Filed January 21, 1925. Serial No. 208,410. PUBLISHED APRIL 26, 1927.

230,023. PLAIN WHEAT FLOUR AND SELF-RISING FLOUR. MODEL MILL COMPANY, Johnson City, Tenn.
Filed February 3, 1925. Serial No. 209,051. PUBLISHED AUGUST 24, 1926.

230,024. CHEESE. GEORGE EHLENBERGER & COMPANY, INC., New York, N. Y., and Miami, Fla.
Filed February 8, 1927. Serial No. 244,003. PUBLISHED APRIL 26, 1927.

230,025. RED SPRINGS. KOBERTI BROS., Los Angeles, Calif.
Filed February 8, 1927. Serial No. 244,025. PUBLISHED MAY 3, 1927.

230,026. GREETING CARDS, BOOKS, AND BOOKLETS. ECKER & CO. INC., St. Louis, Mo.
Filed February 9, 1927. Serial No. 244,065. PUBLISHED MAY 3, 1927.

230,027. GREETING CARDS, BOOKS, AND BOOKLETS. ECKER & CO. INC., St. Louis, Mo.
Filed February 9, 1927. Serial No. 244,066. PUBLISHED MAY 3, 1927.

230,028. KITCHEN CABINETS, SEWING CABINETS, CARD TABLES, UPHOLSTERED CHAIRS, WINDSOR CHAIRS, CHAISE LOUNGES, AND GATE-LEG TABLES. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,099. PUBLISHED MAY 3, 1927.

230,029. IRREGULARLY PUBLISHED TRADE PAPER. ST. PETERSBURG BOND & MORTGAGE COMPANY, St. Petersburg, Fla.
Filed February 9, 1927. Serial No. 244,111. PUBLISHED MAY 3, 1927.

230,030. BEAUTIFIER (PASTE FORM), ROUGE, SHAMPOO, HAIR TONIC, DEPILATORY, EYE-BROW PENCIL, FACE POWDER, MASSAGE CREAM, AND PERFUME. COLONIAL DAMES CORPORATION, Los Angeles, Calif., assignor to The Armand Co., Des Moines, Iowa.
Filed February 10, 1927. Serial No. 244,137. PUBLISHED MAY 3, 1927.

230,031. MONTHLY MAGAZINE. THE MEN'S WEAR SERVICE CORPORATION, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,740. PUBLISHED MAY 3, 1927.

230,032. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, SACHETS, ROUGE, LIP STICKS, BRILLIANTINE, BATH SALTS, LOTION FOR THE SKIN AND HAIR, AND DENTIFRICES. MAURICE BARANI, Paris, France.
Filed March 15, 1927. Serial No. 245,775. PUBLISHED MAY 3, 1927.

230,033. PENCIL SHARPENERS. THE M. B. M. PRODUCTS CORPORATION, West Haven and New Haven, Conn.
Filed March 15, 1927. Serial No. 245,795. PUBLISHED MAY 3, 1927.

230,034. PERFUME, TOILET WATER, FACE POWDER, SACHET, ROUGE, TALCUM POWDER, LIP STICKS, FACE CREAMS, BRILLIANTINE, BATH SALTS, LOTION FOR THE SKIN AND HAIR, AND DENTIFRICES. SOCIETE DU LOUVRE (SOCIETE ANONYME), Paris, France.
Filed March 15, 1927. Serial No. 245,811. PUBLISHED MAY 3, 1927.

230,035. CANNED PEAS. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed March 15, 1927. Serial No. 245,798. PUBLISHED MAY 3, 1927.

230,036. BUTTER. SOUTHERN CREAM AND MILK COMPANY, INC., Atlanta, Ga.
Filed March 15, 1927. Serial No. 245,812. PUBLISHED APRIL 26, 1927.

230,037. COOKIE CAKES. INDEPENDENT BAKING CO., Davenport, Iowa.
Filed March 16, 1927. Serial No. 245,843. PUBLISHED APRIL 26, 1927.

230,038. HAND PLANES. THE STANLEY WORKS, New Britain, Conn.
Filed March 16, 1927. Serial No. 245,868. PUBLISHED MAY 3, 1927.

230,039. DENTIFRICE. GRAVES & MEADE & BAKER COMPANY, New York, N. Y.
Filed March 17, 1927. Serial No. 245,906. PUBLISHED MAY 3, 1927.

230,040. COFFEE. BUIGAS, SANTOS & CO., San Antonio, Tex.
Filed March 18, 1927. Serial No. 245,955. PUBLISHED MAY 3, 1927.

230,041. VACUUM PUMPS. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed March 18, 1927. Serial No. 245,956. PUBLISHED MAY 3, 1927.

230,042. FIELD GLASSES AND OPERA GLASSES. EWALD HARWIX, doing business as Harwix Optische Anstalt, Berlin, Germany, assignor to Mirakel Optical Co., Mount Vernon, N. Y., a copartnership consisting of Robert J. Reichert and Elsa Reichert.
Filed March 18, 1927. Serial No. 245,982. PUBLISHED MAY 3, 1927.

230,043. ABRASIVE PAPERS AND CLOTHS. HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y.
Filed March 18, 1927. Serial No. 245,983. PUBLISHED MAY 3, 1927.

230,044. RESILIENT VEHICLE TIRES OF RUBBER, RUBBER COMPOSITION, OR RUBBER AND FABRIC AND INNER TUBES COMPOSED OF RUBBER FOR RESILIENT VEHICLE TIRES. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed March 18, 1927. Serial No. 245,997. PUBLISHED MAY 3, 1927.

230,045. TANNING COMPOUND. THE MATHIESON ALKALI WORKS, INC., New York, N. Y.
Filed March 19, 1927. Serial No. 246,039. PUBLISHED MAY 3, 1927.

230,046. ANTISEPTIC HEALING OIL. PARIS MEDICINE CO., St. Louis, Mo.
Filed March 19, 1927. Serial No. 246,048. PUBLISHED MAY 3, 1927.

230,047. ANTISEPTIC HEALING OIL. PARIS MEDICINE CO., St. Louis, Mo.
Filed March 19, 1927. Serial No. 246,049. PUBLISHED MAY 3, 1927.

230,048. WHEAT FLOUR. THE WICHITA MILL & ELEVATOR COMPANY, Wichita Falls, Tex.
Filed March 19, 1927. Serial No. 246,061. PUBLISHED MAY 3, 1927.

230,049. CANDY. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio.
Filed March 21, 1927. Serial No. 246,074. PUBLISHED MAY 3, 1927.

230,050. A LAUNDRY BLEACH. PURITY CHEMICAL PRODUCTS COMPANY, Santa Rosa, Calif.
Filed February 18, 1927. Serial No. 244,571. PUBLISHED MAY 3, 1927.

230,051. WHEAT FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn., and New York, N. Y.
Filed February 24, 1927. Serial No. 244,840. PUBLISHED APRIL 26, 1927.

230,052. MATERIAL FOR POLISHING METALS. BORSUM BROS., New York, N. Y., and Jersey City, N. J.
Filed February 25, 1927. Serial No. 244,849. PUBLISHED MAY 3, 1927.

230,053. AUTOMOBILE ACCESSORY—NAMELY, A COMBINED LEVER HANDLE AND ASH RECEIVER. FISHER & ROCKWELL, Chicago, Ill.
Filed February 25, 1927. Serial No. 244,859. PUBLISHED MAY 3, 1927.

230,054. ATOMIZER FOR PERFUME AND THE LIKE. MARCEL FRANCK, INC., New York, N. Y.
Filed February 25, 1927. Serial No. 244,860. PUBLISHED APRIL 26, 1927.

230,055. BEDCOVERS, BEDSPREADS, AND QUILTS MADE OF COTTON, WOOL, AND MIXTURES THEREOF. CHARLES H. DUNSTER, doing business as Cavalier Coverlet Co., New York, N. Y.
Filed February 26, 1927. Serial No. 244,920. PUBLISHED MAY 3, 1927.

230,056. SALAD OIL. MORRIS HELLER, doing business as Il Prodotto Canning Co., Brooklyn, N. Y.
Filed February 26, 1927. Serial No. 244,933. PUBLISHED APRIL 26, 1927.

230,057. EGGS. BROOKLYN BUTTER & EGG PROTECTIVE ASSOCIATION, Brooklyn, N. Y.
Filed February 28, 1927. Serial No. 244,978. PUBLISHED MAY 3, 1927.

230,058. COUGH SIRUP USED IN CONNECTION WITH THE RELIEF OF COUGHS, COLDS, HOARSENESS, TICKLING OF THE THROAT, AND AS A SOOTHING EXPECTORANT. THE HENRY S. WAMPOLE COMPANY, Baltimore, Md.
Filed March 11, 1927. Serial No. 245,602. PUBLISHED MAY 3, 1927.

230,059. MEDICINAL PREPARATION RECOMMENDED FOR USE AS A SEDATIVE AND HYPNOTIC. THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y.
Filed March 12, 1927. Serial No. 245,642. PUBLISHED APRIL 26, 1927.

230,060. PILE CAPSULES. Y-O-MINO COMPANY, Pine Bluffs, Wyo.
Filed March 5, 1927. Serial No. 245,283. PUBLISHED APRIL 26, 1927.

230,061. PERFUMES. D. P. PAUL & Co. INC., New York, N. Y.
Filed March 12, 1927. Serial No. 245,653. PUBLISHED APRIL 26, 1927.

230,062. DRY FLAKY PASTE USED FOR GENERAL PASTE PURPOSES. STEIN, HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed March 12, 1927. Serial No. 245,666. PUBLISHED APRIL 26, 1927.

230,063. CAKES. THE FRITCHIE HOME COMPANY, Frederick, Md.
Filed March 14, 1927. Serial No. 245,704. PUBLISHED APRIL 26, 1927.

230,064. SLITTING MACHINES FOR SEVERING WEBS OF MATERIAL INTO STRIPS. CHARLES KORGEL'S SONS, INC., Holyoke and Springfield, Mass.
Filed March 14, 1927. Serial No. 245,728. PUBLISHED MAY 3, 1927.

230,065. WHEAT FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed March 14, 1927. Serial No. 245,767. PUBLISHED APRIL 26, 1927.

230,066. MINERAL OIL FOR INTERNAL USE, FLAVORED AND COLORED. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 21, 1927. Serial No. 246,082. PUBLISHED MAY 3, 1927.

230,067. INTERNAL-COMBUSTION ENGINES. STERLING ENGINE COMPANY, Buffalo, N. Y.
Filed January 21, 1927. Serial No. 243,178. PUBLISHED MAY 3, 1927.

230,068. CANNED RED BEANS, CANNED KIDNEY BEANS, CANNED CORN, CANNED SAUERKRAUT, CANNED PEAS, CANNED PORK AND BEANS, VIENNA SAUSAGES, POTTED MEATS, VINEGAR, CANNED TOMATOES, CANNED PINEAPPLE, CANNED PEACHES, CANNED APRICOTS, CANNED RED PITTED CHERRIES, CANNED PEARS, CANNED HOMINY, CANNED PUMPKIN, AND CANNED STRING BEANS. HENRY BORGSMILLER & SONS, Murphysboro, Ill.
Filed January 22, 1927. Serial No. 243,193. PUBLISHED APRIL 26, 1927.

230,069. MEN'S SUITS AND COATS. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed January 22, 1927. Serial No. 243,210. PUBLISHED APRIL 26, 1927.

230,070. MEDICAL PREPARATION FOR THE TREATMENT OF INFECTION IN THE STOMACH, INTESTINAL CATARRH, INDIGESTION, DYSPEPSIA, COLIC, GAS, CONSTIPATION, SICK HEADACHE, LIVER TROUBLE, KIDNEY AND BLADDER AFFECTIONS, AND RHEUMATISM. ANGELO SPARTA, doing business as The Sparta Chemical Co., Hoboken, N. J.
Filed January 22, 1927. Serial No. 243,241. PUBLISHED MAY 3, 1927.

230,071. INSECTICIDES, INSECT REPELLENTS, AND DISINFECTANTS. RICHARD W. LEONARD, INC., Chicago, Ill.
Filed January 24, 1927. Serial No. 243,274. PUBLISHED APRIL 26, 1927.

230,072. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. LA VERNE ORANGE ASSOCIATION, La Verne, Calif.
Filed January 26, 1927. Serial No. 243,376. PUBLISHED MAY 3, 1927.

230,073. VARNISH AND AUTOMOBILE ENAMEL. STANDARD INSULATION COMPANY, Rutherford, N. J.
Filed January 26, 1927. Serial No. 243,394. PUBLISHED MAY 3, 1927.

230,074. ICE-CREAM CONFECTION. REID ICE CREAM CORPORATION, Brooklyn, N. Y.
Filed January 27, 1927. Serial No. 243,456. PUBLISHED APRIL 26, 1927.

230,075. WIND-DRIVEN GENERATING PLANTS FOR GENERATING ELECTRIC CURRENT FOR LIGHT AND POWER. PERKINS CORPORATION, South Bend, Ind.
Filed November 8, 1926. Serial No. 239,822. PUBLISHED APRIL 12, 1927.

230,076. BASEBALLS, BATS, MASKS, MITTS, AND PROTECTORS, BOXING GLOVES, STRIKING BAGS, STRIKING-BAG GLOVES, STRIKING-BAG SWIVELS, AND STRIKING-BAG PLATFORMS, FOOTBALLS, FOOTBALL BLADDERS, FOOTBALL SHIN GUARDS, FOOTBALL HEAD HARNESS, FOOTBALL NOSE MASKS, FOOTBALL PADS, BASKET BALLS, MEDICINE BALLS, HANDBALLS, HANDBALL GLOVES, FENCING GLOVES, AND PASTRONS, AND FENCING WRIST AND ANKLE SUPPORTERS. A. J. REACH COMPANY, Philadelphia, Pa.
Filed March 5, 1927. Serial No. 245,296. PUBLISHED MAY 3, 1927.

230,077. HOSIERY. CHAS. A. STEVENS & BROS., Chicago, Ill.
Filed March 5, 1927. Serial No. 245,303. PUBLISHED APRIL 26, 1927.

230,078. WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed March 7, 1927. Serial No. 245,383. PUBLISHED MAY 3, 1927.

230,079. NONALCOHOLIC, MALTLESS GRAPE SIRUP USED IN THE PREPARATION OF SOFT DRINKS. WILLIAM H. MANCHESTER, doing business as Vin Ade Company, Providence, R. I.
Filed March 8, 1927. Serial No. 245,403. PUBLISHED MAY 3, 1927.

230,080. STOVE POLISH. ALBANI H. PARADIS, doing business as Alhpa Chemical Company, Biddeford, Me.
Filed March 8, 1927. Serial No. 245,406. PUBLISHED MAY 3, 1927.

230,081. BRASSIÈRES. G. M. POIX, INC., Brooklyn, N. Y.
Filed March 8, 1927. Serial No. 245,407. PUBLISHED APRIL 26, 1927.

230,082. CLOTHING CONSISTING OF MEN'S AND YOUNG MEN'S SUITS AND OVERCOATS. S. J. LEVY & Co. INC., New York, N. Y.
Filed March 9, 1927. Serial No. 245,448. PUBLISHED APRIL 26, 1927.

230,083. TOY ANIMALS MADE CHIEFLY OF TEXTILE MATERIALS. DEAN'S RAG BOOK CO. LTD., London, England.
Filed March 10, 1927. Serial No. 245,478. PUBLISHED MAY 3, 1927.

230,084. RAINCOATS. SOL. W. KATZ & COMPANY, Philadelphia, Pa.
Filed March 10, 1927. Serial No. 245,495. PUBLISHED APRIL 26, 1927.

230,085. LEAD-COATED ARTICLES. AMERICAN MACHINE & FOUNDRY COMPANY, Jersey City, N. J., and New York, N. Y.
Filed March 11, 1927. Serial No. 245,527. PUBLISHED MAY 3, 1927.

230,086. MEDICINE FOR USE TO REJUVENATE GLANDS, AID CIRCULATION, BUILD HEALTH, AND RESTORE VITALITY. FALIXAS LABORATORY, Bridgeport, Conn.
Filed March 11, 1927. Serial No. 245,538. PUBLISHED MAY 3, 1927.

230,087. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio.
Filed March 11, 1927. Serial No. 245,569. PUBLISHED APRIL 26, 1927.

230,088. HAIR WASHES, HAIR PREPARATIONS, AND PERFUMES. GASTON BOUDOU, London, England.
Filed August 2, 1926. Serial No. 235,452. PUBLISHED MAY 3, 1927.

230,089. DOLLS AND TOYS CONSISTING OF PLAY DESKS, DOLL BATHTUBS, DOLL CARRIAGES, DOLL MIRRORS, MECHANICAL TOYS, AND FRICTION TOYS. JACOBS & KASSLER, New York, N. Y.
Filed August 18, 1926. Serial No. 236,132. PUBLISHED JANUARY 18, 1927.

230,090. SPINDLES, RINGS, FLIERS, AND ROLLS OF TEXTILE MACHINERY. WHITIN MACHINE WORKS, Whitinsville, Mass.
Filed August 19, 1926. Serial No. 236,186. PUBLISHED NOVEMBER 9, 1926.

230,091. CANDIES. HARVEY J. A. HACKENBERG, Cleveland, Ohio.
Filed August 28, 1926. Serial No. 236,608. PUBLISHED MAY 3, 1927.

230,092. BREADS, CAKES, AND PASTRIES. CAMBERN BROTHERS, Spokane, Wash.
Filed September 1, 1926. Serial No. 236,734. PUBLISHED MAY 3, 1927.

230,093. DAILY NEWSPAPER. THE A. S. ABELL COMPANY, Baltimore, Md.
Filed September 3, 1926. Serial No. 236,826. PUBLISHED DECEMBER 7, 1926.

230,094. HORSE AND CURRY CARDS AND HAND CARDS ADAPTED FOR BRUSHING THE HAIR OR FUR OF LIVE ANIMALS. L. S. WATSON MANUFACTURING CO., Leicester, Mass.
Filed September 3, 1926. Serial No. 236,858. PUBLISHED APRIL 26, 1927.

230,095. UNDERWEAR OF WOVEN FABRIC. HENDERSON AND ERVIN, Norwalk, Conn.
Filed September 4, 1926. Serial No. 236,897. PUBLISHED APRIL 26, 1927.

230,096. VARNISHES. THE MARIETTA PAINT & COLOR COMPANY, Marietta, Ohio.
Filed September 7, 1926. Serial No. 236,943. PUBLISHED APRIL 26, 1927.

230,097. LINIMENT, HAIRDRESSING, HAIR SHAMPOO, AND FACE CREAMS. WILLIAM F. WILSON, doing business as Swift-Go Products Co., Trenton, N. J.
Filed February 5, 1927. Serial No. 243,909. PUBLISHED MAY 3, 1927.

230,098. SPECTACLE FRAMES. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio.
Filed February 5, 1927. Serial No. 243,907. PUBLISHED MAY 3, 1927.

230,099. WORK SHIRTS, OVERALLS, AND OVERALL SUITS. WHEATLEY & SCHWABE, New York, N. Y.
Filed February 5, 1927. Serial No. 243,904. PUBLISHED APRIL 26, 1927.

230,100. FRANKFURTS, WEINER-STYLE SAUSAGE, LINK SAUSAGE, PORK SAUSAGE, LIVER-STYLE SAUSAGE, AND BOLOGNA SAUSAGE, POLISH SAUSAGE, BLOOD SAUSAGE, LUNCHEON MEAT LOAF, MINCED MEAT LOAF, BOILED AND BAKED HAM, AND PRESSED HAM. CARL A. WEITZ, Somerville, Mass.
Filed January 29, 1927. Serial No. 243,571. PUBLISHED MAY 3, 1927.

230,101. WEARING APPAREL—NAMELY, DRESS SHIRTS, NEGLIGEE SHIRTS, BLOUSES, BOYS' SHIRTS, AND PYJAMAS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed January 31, 1927. Serial No. 243,610. PUBLISHED APRIL 26, 1927.

230,102. HOSIERY. JULIUS KAYSER & Co., New York, N. Y.
Filed February 1, 1927. Serial No. 243,654. PUBLISHED APRIL 26, 1927.

230,103. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, SKIN LOTIONS, PERFUMES, HAIR TONICS, HAIR OILS, TOOTH PASTE, DENTIFRICES, DEODORIZING PREPARATIONS, SHAMPOOS, TALCUM POWDER, FOOT POWDERS, SACHETS, SMELLING SALTS, BATH SALT, INCENSE, AND SOLID PERFUMES. A. P. BABCOCK COMPANY, New York, N. Y.
Filed February 2, 1927. Serial No. 243,681. PUBLISHED MAY 3, 1927.

230,104. PERFUMES, FLORAL WATER, BATH SALTS, FACE POWDER, BATH POWDER, AND LIP STICKS. WILLIAM BLOOM & COMPANY, INC., New York, N. Y.
Filed February 2, 1927. Serial No. 243,685. PUBLISHED MAY 3, 1927.

230,105. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. LUNDBORG, INC., New York, N. Y.
Filed February 2, 1927. Serial No. 243,718. PUBLISHED MAY 3, 1927.

230,106. CANNED VEGETABLES—NAMELY, CANNED SAUERKRAUT. CASTLE COMPANY, Lyons, N. Y.
Filed February 3, 1927. Serial No. 243,748. PUBLISHED MAY 3, 1927.

230,107. STATIONERY—NAMELY, LETTER PAPER, MAILING ENVELOPES, AND CORRESPONDENCE CARDS. PARAGRAVING PRESS, INC., New York, N. Y.
Filed February 4, 1927. Serial No. 243,826. PUBLISHED MAY 3, 1927.

230,108. FRESH VEGETABLES. VALLEY PRODUCE COMPANY, San Francisco and El Centro, Calif.
Filed February 5, 1927. Serial No. 243,899. PUBLISHED MAY 3, 1927.

230,109. SCHOOL AND ARTISTS' CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed February 11, 1927. Serial No. 244,202. PUBLISHED MAY 3, 1927.

230,110. HAIR TONIC, HAIR STRAIGHTENER, HAIR SHAMPOO, TOILET POWDER, AND FACIAL CREAMS. HATTIE JACKSON, Cleveland, Ohio.
Filed March 10, 1927. Serial No. 245,494. PUBLISHED APRIL 26, 1927.

230,111. FOOT SOAP, CLEANING COMPOUNDS FOR CLOTHES, CLEANING COMPOUNDS FOR TOILET BOWLS, SHAMPOO SOAP, AND LIQUID SOAP. CENOL COMPANY, Chicago, Ill.
Filed February 28, 1927. Serial No. 244,982. PUBLISHED MAY 3, 1927.

230,112. PUMPS AND PUMPING APPARATUS FOR SUPPLYING WATER UNDER PRESSURE IN RESIDENTIAL AND FARM WATER-SUPPLY SYSTEMS. DELCO-LIGHT COMPANY, Dayton, Ohio.
Filed February 28, 1927. Serial No. 244,994. PUBLISHED MAY 3, 1927.

230,113. PUMPS AND PUMPING APPARATUS FOR SUPPLYING WATER UNDER PRESSURE IN RESIDENTIAL AND FARM WATER-SUPPLY SYSTEMS. DELCO-LIGHT COMPANY, Dayton, Ohio.
Filed February 28, 1927. Serial No. 244,995. PUBLISHED MAY 3, 1927.

230,114. TOOTH PASTE, MOUTH WASH, HAND LOTION, AND RUBBING ALCOHOL. G. R. LOVE, doing business as The Summit Laboratories, Oconomowoc, Wis.
Filed February 16, 1927. Serial No. 244,454. PUBLISHED MAY 3, 1927.

230,115. HANDLES FOR KNIVES, FORKS, AND RAZORS. WADE & BUTCHER CORPORATION, Jersey City, N. J.
Filed February 17, 1927. Serial No. 244,523. PUBLISHED MAY 3, 1927.

230,116. WHEAT CEREAL. BUSHMAN MILLING CO., Sawyer, Wis.
Filed February 18, 1927. Serial No. 244,538. PUBLISHED APRIL 26, 1927.

230,117. FACE POWDERS, TALCUM POWDERS, TOOTH POWDERS, DUSTING POWDERS, NAIL POWDERS, FOOT POWDERS, AND DEODORANT POWDERS. FREDERICK A. SCHWANNECKE, doing business as F. A. Schwannecke Co., New Rochelle, N. Y.
Filed March 30, 1927. Serial No. 246,636. PUBLISHED MAY 3, 1927.

230,118. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed March 30, 1927. Serial No. 246,591. PUBLISHED MAY 3, 1927.

230,119. COTTON PIECE GOODS. VICTOR MONAGHAN COMPANY, Greenville, S. C.
Filed March 29, 1927. Serial No. 246,579. PUBLISHED MAY 3, 1927.

230,120. YARNS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed March 29, 1927. Serial No. 246,565. PUBLISHED MAY 3, 1927.

230,121. INSECTICIDES. WYLIE R. POWELL, doing business as Fenole Chemical Company, Jacksonville, Fla.
Filed March 28, 1927. Serial No. 246,500. PUBLISHED MAY 3, 1927.

230,122. MEDICINAL PREPARATIONS FOR THE TREATMENT OF GENITO-URINARY DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed March 26, 1927. Serial No. 246,451. PUBLISHED MAY 3, 1927.

230,123. HAIRDRESSING. JOSEPH BURNETT COMPANY, Boston, Mass.
Filed March 26, 1927. Serial No. 246,418. PUBLISHED MAY 3, 1927.

230,124. HAND LOTION. PERCY GRAHAM, doing business as Gervaise Graham Company, Chicago, Ill.
Filed March 25, 1927. Serial No. 246,344. PUBLISHED MAY 3, 1927.

230,125. COMPOUND FROM WHICH A TREATMENT IS MADE, INTENDED TO DARKEN AND RESTORE FADED, STREAKED, AND GRAY HAIR TO ITS OTHERWISE NATURAL COLOR. W. R. DARLINGTON, doing business as Darlox Manufacturing Company, Kansas City, Mo.
Filed March 24, 1927. Serial No. 246,269. PUBLISHED MAY 3, 1927.

230,126. LAXATIVE DRINKS. THE CITRUS CHEMICAL CORPORATION, Elkton, Md.
Filed March 24, 1927. Serial No. 246,267. PUBLISHED MAY 3, 1927.

230,127. PERFUME, TOILET WATER, FACE POWDER, AND SACHET. BOURJOIS, INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,265. PUBLISHED MAY 3, 1927.

230,128. KITCHEN AND HOUSEHOLD TOOLS OR UTENSILS—TO WIT, MEASURING SPOONS. THE A. & J. MANUFACTURING CO., Binghamton, N. Y.
Filed March 24, 1927. Serial No. 246,258. PUBLISHED MAY 3, 1927.

230,129. KITCHEN AND HOUSEHOLD TOOLS OR UTENSILS—TO WIT, VEGETABLE BRUSHES, SINK BRUSHES, SCOURING BRUSHES, AND GRIDDLE GREASERS. THE A. & J. MANUFACTURING CO., Binghamton, N. Y.
Filed March 24, 1927. Serial No. 246,257. PUBLISHED MAY 3, 1927.

230,130. PIPES. L. & H. STERN, INC., Brooklyn, N. Y.
Filed March 23, 1927. Serial No. 246,236. PUBLISHED MAY 3, 1927.

230,131. DERAILERS. HERMAN SABROWSKE, Oberlin, Ohio.
Filed March 23, 1927. Serial No. 246,230. PUBLISHED MAY 3, 1927.

230,132. CAN OPENERS. COLUMBIA METAL PRODUCTS COMPANY, Chicago, Ill.
Filed March 23, 1927. Serial No. 246,197. PUBLISHED MAY 3, 1927.

230,133. MEN'S COATS, VESTS, TROUSERS, KNICKERBOCKERS, SUITS, AND OVERCOATS. LEOPOLD & COMPANY, Chicago, Ill.
Filed January 20, 1927. Serial No. 243,097. PUBLISHED APRIL 26, 1927.

230,134. MEN'S COATS, VESTS, TROUSERS, KNICKERBOCKERS, SUITS, AND OVERCOATS. LEOPOLD & COMPANY, Chicago, Ill.
Filed January 20, 1927. Serial No. 243,098. PUBLISHED APRIL 26, 1927.

230,135. PORK SAUSAGE AND BACON, THE BACON BEING IN SLICED FORM. WHITE CASH MARKET COMPANY, Chicago and Evanston, Ill.
Filed January 10, 1927. Serial No. 242,644. PUBLISHED MAY 3, 1927.

230,136. SALTED PEANUTS. THOMAS J. WORSTELL, St. Louis, Mo.
Filed January 19, 1927. Serial No. 243,076. PUBLISHED MAY 3, 1927.

230,137. GLOVE AND A MITTEN OF FABRIC. HARPHAM BROTHERS COMPANY, Lincoln, Nebr.
Filed January 18, 1927. Serial No. 242,993. PUBLISHED APRIL 26, 1927.

230,138. UPHOLSTERED DAVENPORTS, UPHOLSTERED CHAIRS, UPHOLSTERED FOOTSTOOLS, UPHOLSTERED BENCHES, UPHOLSTERED DAVENPORT BEDS, AND UPHOLSTERED CHAISE LOUNGES. BUFFALO LOUNGE COMPANY, Buffalo, N. Y.
Filed January 7, 1927. Serial No. 242,472. PUBLISHED MAY 3, 1927.

230,139. CEREAL BREAKFAST FOOD. WHEAT FRUIT CEREAL CO. INC., West Orange, N. J.
Filed December 7, 1926. Serial No. 242,034. PUBLISHED APRIL 26, 1927.

230,140. WHEAT FLOUR. MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn.
Filed December 27, 1926. Serial No. 242,018. PUBLISHED APRIL 26, 1927.

230,141. FRENCH GRUYÈRE CHEESE. FROMAGERIES BEL, Lons-Le-Saunier, Jura, France.
Filed January 29, 1927. Serial No. 243,536. PUBLISHED MAY 3, 1927.

230,142. FRENCH GRUYÈRE CHEESE. FROMAGERIES BEL, Lons-Le-Saunier, Jura, France.
Filed January 29, 1927. Serial No. 243,535. PUBLISHED MAY 3, 1927.

230,143. GLYCERIN, SWEET OIL, CAMPHORATED OIL, SIRUP IPECAC, AROMATIC SPIRITS OF AMMONIA, SPIRITS OF NITER, SPIRITS OF CAMPHOR, IODINE, ESSENCE OF PEPPERMINT, WINTERGREEN, CASTOR OIL, WITCH-HAZEL, WHITE PINE AND TAR COUGH SIRUP, LINIMENT, LIVER PILLS, COLD TABLETS, CATHARTIC PILLS, TOOTHACHE DROPS AND TOOTHACHE WAX, AND BAY RUM. HALLOCK-DENTON CO., Newark, N. J.
Filed November 1, 1926. Serial No. 239,515. PUBLISHED MAY 3, 1927.

230,144. ANIMAL AND POULTRY FOODS CONSISTING OF MEAT SCRAP (MEAT AND BONE CRACKLINGS COOKED AND DRIED), DIGESTER TANKAGE (MEAT, BLOOD, AND BONE COOKED AND DRIED), MEAT MEAL (REGULAR PRODUCTION OF PACKING-HOUSE TANKAGE MADE FROM MEAT AND BONE COOKED AND DRIED), SOLUBLE BLOOD (ANIMAL BLOOD COOKED AND DRIED), BONE MEAL (PACKING-HOUSE BONES COOKED AND DRIED). THE WM. SCHLUDERBERG-T. J. KURDLE CO., Baltimore, Md.
Filed November 4, 1926. Serial No. 239,680. PUBLISHED APRIL 26, 1927.

230,145. A GENERAL HOUSEHOLD CLEANING PREPARATION. WILLARD S. WOODRUFF, Boston, Mass.
Filed November 16, 1926. Serial No. 240,157. PUBLISHED MAY 3, 1927.

230,146. PERFUMES, COLOGNE, BEAUTY CREAM, AND SKIN LOTIONS. MARCEL GUERLAIN, Suresnes, Paris, France.
Filed November 18, 1926. Serial No. 240,256. PUBLISHED MAY 3, 1927.

230,147. PERFUMES, COLOGNE, BEAUTY CREAM, AND SKIN LOTIONS. MARCEL GUERLAIN, Suresnes, Paris, France.
Filed November 19, 1926. Serial No. 240,302. PUBLISHED MAY 3, 1927.

230,148. BREAD. MARTIN ROSSE CO., Omaha, Nebr.
Filed November 19, 1926. Serial No. 240,311. PUBLISHED APRIL 26, 1927.

230,149. PERFUMES, COLOGNE, BEAUTY CREAM, AND SKIN LOTIONS. MARCEL GUERLAIN, Suresnes, Paris, France.
Filed November 20, 1926. Serial No. 240,351. PUBLISHED MAY 3, 1927.

230,150. INDEX DEVICES—NAMELY, TELEPHONE INDEXES, RADIO INDEXES, SPECIAL LISTING INDEXES, AND INDEX STRIPS, MEMORANDUM PADS, HAND PERFORATORS OR PUNCHES; PAPER-FASTENING DEVICES—NAMELY, HAND EYELETERS AND HAND EYELETERS EQUIPPED WITH AUTOMATIC EYELET FEED AND PAPER FASTENERS—NAMELY, EYELETS. THE BATES MANUFACTURING COMPANY, Orange, N. J.
Filed November 22, 1926. Serial No. 240,397. PUBLISHED MAY 3, 1927.

230,151. COCOA, CHOCOLATE, AND CANDY. BOWNTREE & COMPANY, LIMITED, York, England.
Filed November 22, 1926. Serial No. 240,444. PUBLISHED MAY 3, 1927.

230,152. PLAYING CARDS. PATTERSON, SIMONS & CO. LTD., London, England.
Filed September 9, 1926. Serial No. 237,040. PUBLISHED MAY 3, 1927.

230,153. CIRCULAR SAWS OF ALL KINDS, BAND SAWS OF ALL KINDS, RIP AND PANEL SAWS, CROSSCUT SAWS, WOOD (BUCK) SAWS, DRAG-SAWS, MACHINE KNIVES OF ALL KINDS, SHEAR BLADES FOR CUTTING METALS, CIRCULAR KNIVES, CORN KNIVES, CANE KNIVES, SCRAPER BLADES OF ALL KINDS, AND TROWELS. E. C. ATKINS & COMPANY, Indianapolis, Ind.
Filed September 16, 1926. Serial No. 237,307. PUBLISHED MAY 3, 1927.

230,154. CHEESE. FISH & LENOX CO., Newark, N. J.
Filed September 22, 1926. Serial No. 237,544. PUBLISHED FEBRUARY 15, 1927.

230,155. PERFUMERY AND TOILET WATER. CARON CORPORATION, New York, N. Y.
Filed October 12, 1926. Serial No. 238,483. PUBLISHED APRIL 26, 1927.

230,156. LAXATIVE TABLETS. ROBERT C. WREDE, doing business as Wrede Drug Co., Los Angeles, Calif.
Filed October 18, 1926. Serial No. 238,824. PUBLISHED MAY 3, 1927.

230,157. LIFTING JACKS. WATSON MIDDLEMISS CO., Tacoma, Wash.
Filed October 20, 1926. Serial No. 238,930. PUBLISHED MAY 3, 1927.

230,158. SANITARY NAPKINS. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio.
Filed October 23, 1926. Serial No. 239,111. PUBLISHED APRIL 26, 1927.

230,159. DROPSY AND HEART PREPARATIONS. HENRY E. KEELEY, Hartsville, Tenn.
Filed October 23, 1926. Serial No. 239,117. PUBLISHED MAY 3, 1927.

230,160. CARVING FORKS, POT FORKS, TABLE FORKS, SLICERS, GRAPEFRUIT KNIVES, SPATULAS, TABLE SETS (KNIFE AND FORK), CARVING SETS, CAMP CUTLERY (SETS), POTATO MASHERS, STOVE SHOVELS, OIL-TANK PUMPS (NOT MEASURING), AND FRUIT AND VEGETABLE PRESSES ALL MADE OF BASE METAL. THE REPUBLIC METALWARE CO., Buffalo, N. Y.
Filed October 29, 1926. Serial No. 239,429. PUBLISHED MAY 3, 1927.

230,161. BORAX AND BORIC ACID. AMERICAN POTASH & CHEMICAL CORPORATION, New York, N. Y.
Filed February 11, 1927. Serial No. 244,203. PUBLISHED MAY 3, 1927.

230,162. TREATED POLISHING CLOTHS AND DUSTING CLOTHS. ARVEO INDUSTRIES, Grosse Ile, Mich.
Filed February 11, 1927. Serial No. 244,205. PUBLISHED MAY 3, 1927.

230,163. BATHING SUITS. BRADLEY KNITTING COMPANY, Delavan, Wis.
Filed February 11, 1927. Serial No. 244,211. PUBLISHED APRIL 26, 1927.

230,164. SOAP. J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J.
Filed February 12, 1927. Serial No. 244,292. PUBLISHED MAY 3, 1927.

230,165. SOAP. J. EAVENSON & SONS, INC., Philadelphia, Pa., and Camden, N. J.
Filed February 12, 1927. Serial No. 244,295. PUBLISHED MAY 3, 1927.

230,166. PASTE PAINTS, READY-MIXED PAINTS, READY-MIXED FLAT WHITE PAINTS, AND PAINT ENAMELS. ECLIPSE WHITE LEAD & COLOR COMPANY, Brooklyn, N. Y.
Filed February 12, 1927. Serial No. 244,296. PUBLISHED APRIL 26, 1927.

230,167. EGGS. PALMDALE FRUIT & EGG FARM, Palmdale, Calif.
Filed February 12, 1927. Serial No. 244,316. PUBLISHED APRIL 26, 1927.

230,168. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. ARNOLD LOUIS VAN AMERINGEN, New York, N. Y.
Filed February 12, 1927. Serial No. 244,337. PUBLISHED MAY 3, 1927.

230,169. COFFEE. THE CROCKER-SPRAGUE COMPANY, Dunkirk, N. Y.
Filed February 15, 1927. Serial No. 244,394. PUBLISHED APRIL 26, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

230,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIRGINIA DARE EXTRACT CO., Brooklyn, N. Y. Filed Mar. 11, 1926. Serial No. 228,510.

BRANDY JELL

Particular description of goods.—Flavoring Extracts for Food Purposes.
Claims use since July 23, 1925.

230,171. (CLASS 37. PAPER AND STATIONERY.) ROSA LEIGH TOWERS, executrix of the estate of Augustus Jones Camp, deceased, doing business as Standard Car Record Company, Richmond, Va. Filed Apr. 6, 1926. Serial No. 229,761.

CAMP'S STANDARD RECORD

Particular description of goods.—Bound and Loose-Leaf Car-Record Books.
Claims use since Feb. 27, 1926.

230,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLISTER CANNING COMPANY, Hollister, Calif. Filed Apr. 9, 1926. Serial No. 229,914.

SANTA ANA VALLEY

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since 1919.

230,173. (CLASS 12. CONSTRUCTION MATERIALS.) SOUTHWESTERN PORTLAND CEMENT COMPANY, Los Angeles, Calif. Filed Apr. 26, 1926. Serial No. 230,771.

HYDRO-PLASTIC

Particular description of goods.—Plastic Cement.
Claims use since about Apr. 1, 1926.

230,174. (CLASS 37. PAPER AND STATIONERY.) FILING EQUIPMENT BUREAU INCORPORATED, Boston, Mass. Filed June 7, 1926. Serial No. 232,821.

DUBLTOP

Particular description of goods.—Filing Folders.
Claims use since June 1, 1926.

230,175. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR CORPORATION, Indianapolis, Ind. Filed June 21, 1926. Serial No. 233,554.

Sally Lee Brand

Particular description of goods.—Hams, Sliced Bacon, Lard, and Sausage.
Claims use since Feb. 2, 1926.

230,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN LE BLOAS, New York, N. Y. Filed June 30, 1926. Serial No. 233,939.

V A L E N C I A .

Particular description of goods.—Perfume.
Claims use since June 1, 1926.

230,177. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDGEWATER SHOE POLISH CO., Toledo, Ohio. Filed July 10, 1926. Serial No. 234,885.

EDGEWATER

Particular description of goods.—Shoe Polish and Shoe Cleaner.
Claims use since June 2, 1926.

230,178. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTHERN RESEARCH INDUSTRIES, Minneapolis, Minn. Filed July 22, 1926. Serial No. 234,919.

MY-T-FINE NICKEL CREAM

Particular description of goods.—Metal Polish.
Claims use since May 15, 1926.

230,179. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALFRED ANDERSON, doing business as Anderson Chemical Co., Litchfield, Minn. Filed Jan. 10, 1927. Serial No. 242,560.

ANDERSON'S

Particular description of goods.—Washing Powders and Liquid Soap.
Claims use since January, 1924.

230,180. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) J. H. BALMER CO., Newark, N. J. Filed Feb. 25, 1927. Serial No. 244,847.

CHINAWYTE

Particular description of goods.—Bathroom Fixtures—Namely, Tumbler Holder, Combination Tumbler and Toothbrush Holder; Combination Cigar, Cigarette, Match, Ash-Tray, and Newspaper Holder; Combined Shelf, Tumbler, and Soap Holder; Combined Shelf, Tumbler, and Toothbrush Holder, and Shaving Set Combination, Units for Holding Safety Razor Set, Shaving Brush, and Shaving Powder, Paste, or Soap.
Claims use since August, 1925.

230,181. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927. Serial No. 245,973.

VENETIAN

Particular description of goods.—Axminster Rugs.
Claims use since May 1, 1923.

230,182. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) REO MOTOR CAR COMPANY, Lansing, Mich. Filed Apr. 29, 1927. Serial No. 248,197.

HEAVY DUTY SPEED WAGON

Particular description of goods.—Motor Trucks.
Claims use since June 1, 1925.

230,183. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed May 3, 1927. Serial No. 248,363.

HUDSON FORGE CO

Particular description of goods.—Tinners' Snips, Pliers, and Wrenches.
Claims use since 1923.

230,184. (CLASS 37. PAPER AND STATIONERY.) E. C. PALMER & CO., LTD., New Orleans, La. Filed May 7, 1927. Serial No. 248,647.

PINE-KRAFT



Particular description of goods.—Wrapping Paper.
Claims use since Feb. 25, 1922.

230,185. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) G. RIDGWAY KIRK, doing business as G. R. Kirk Co., Tacoma, Wash. Filed May 21, 1927. Serial No. 249,358.

EVERGREEN BRAND

Particular description of goods.—Christmas Trees, Sword Ferns, Leaves, Huckleberry Sprays, Oregon Grape Sprays, Salal, Moss, and Cedar, Fir, and Hemlock Boughs.
Claims use since on or before Jan. 1, 1922, on Christmas trees, and since on or before Jan. 1, 1926, on other goods mentioned.

230,186. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed May 17, 1927. Serial No. 249,125.

AVONDALE

Particular description of goods.—Matches.
Claims use since Oct. 10, 1925.

230,187. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ETHEL S. WAGENSELLER, Philadelphia, Pa. Filed May 21, 1927. Serial No. 249,396.

RIGHT

Particular description of goods.—Paper Washers, Rubber Washers, Asbestos Washers, and Felt Washers.
Claims use since 1911.

230,188. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN A. REED, Warren, Ohio. Filed May 23, 1927. Serial No. 249,439.

REED'S CLEANER

Particular description of goods.—Cleaner for Painted Walls, Woodwork, and Rugs.
Claims use since Jan. 1, 1925.

230,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. H. LEE CO., Omaha, Nebr. Filed June 1, 1927. Serial No. 249,855.

LEE'S

Particular description of goods.—Worm Medicine for Poultry and Live Stock.
Claims use since 1900.

230,190. (CLASS 17. TOBACCO PRODUCTS.) ROSSDOR CIGARETTE CO., New York, N. Y. Filed May 13, 1927. Serial No. 248,974.

Longfellow

Particular description of goods.—Cigars, Cigarettes, Cheroots, Stogies, Chewing and Smoking Tobacco.
Claims use since August, 1923.

230,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT L. BOWERS, doing business as Bureau of Industry, Des Moines, Iowa. Filed Oct. 27, 1924. Serial No. 204,439.

Kuts
Koal
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Koal

Particular description of goods.—Compound for Treating Coal for Aiding Combustion.
Claims use since about Sept. 1, 1924.

230,192. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BARNET LEATHER CO., INC., New York, N. Y. Filed May 8, 1926. Serial No. 231,306.

FLORIDA

Particular description of goods.—Leather.
Claims use since November, 1925.

TRADE-MARK REGISTRATIONS RENEWED

30,168. PAINTS AND VARNISHES. Registered June 8, 1897. FREDERICK A. GLIDDEN. Renewed June 8, 1927, to The Glidden Company, Cleveland, Ohio, a Corporation of Ohio, assignee by mesne assignments.

30,524. IMPURE AND PURE OR REFINED BENZOIC SULFINID OR BENZOIC SULFINID COMBINED WITH SODIUM OXID. Registered August 24, 1897. FAHLBERG, LIST & COMPANY, Salbke-Westerhusen, Germany. Renewed August 24, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

51,088. RHEUMATIC REMEDIES. Registered April 3, 1906. PHILLIPS DRUG CO. Renewed April 3, 1926, to L. S. Clough, Warren, Pa., successor.

51,576. WRENCHES. Registered April 17, 1906. THE WHITMAN & BARNES MANUFACTURING COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed April 17, 1926.

51,981. HOSIERY. Registered May 1, 1906. BUSTER BROWN STOCKING COMPANY, New York, N. Y. Renewed May 1, 1926, to United Hosiery Mills Corporation, Chattanooga, Tenn., a Corporation of Tennessee, assignee by mesne assignments.

54,259. WRENCHES. Registered June 26, 1906. THE WHITMAN & BARNES MANUFACTURING COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed June 26, 1926.

60,717. PORT WINE. Registered February 19, 1907. JOHN GRAHAM & COMPANY, LIMITED, Glasgow, Scotland, a Corporation of Great Britain. Renewed February 19, 1927.

61,088. STOVE POLISH. Registered March 5, 1907. WILLIAM WIERHAKE. Renewed March 5, 1927, to Walter Wierhake, St. Louis, Mo., successor.

61,452. CHOCOLATE MOLDS. Registered March 19, 1907. ANTON REICHE. Renewed March 19, 1927, to Anton Reiche Aktiengesellschaft, Dresden, Germany, a Corporation of Germany, assignee.

62,018. ROOFING PAINTS. Registered April 16, 1907. BLACK DIAMOND MANUFACTURING CO. Renewed April 16, 1927, to Black Diamond Paint and Varnish Works, Cincinnati, Ohio, successor.

62,200. A CORDIAL. Registered April 23, 1907. SOCIETE ANONYME DE LA GRANDE DISTILLERIE E. CUSENIER FILS AINE ET COMPAGNIE, Paris, France, a Corporation of France. Renewed April 23, 1927.

62,336. APRICOT BRANDY. Registered April 30, 1907. SOCIETE ANONYME DE LA GRANDE DISTILLERIE E. CUSENIER FILS AINE ET COMPAGNIE, Paris, France, a Corporation of France. Renewed April 23, 1927.

62,370. A CORDIAL. Registered April 30, 1907. SOCIETE ANONYME DE LA GRANDE DISTILLERIE E. CUSENIER FILS AINE ET COMPAGNIE, Paris, France, a Corporation of France. Renewed April 30, 1927.

62,371. CORDIALS. Registered April 30, 1907. SOCIETE ANONYME DE LA GRANDE DISTILLERIE E. CUSENIER FILS AINE ET COMPAGNIE, Paris, France, a Corporation of France. Renewed April 30, 1927.

62,677. A POWDER USED IN THE MANUFACTURE OF ICE CREAM AND ICES. Registered May 21, 1907. FRANK A. BEELER. Renewed May 21, 1927, to Clara L. Beeler, doing business as The Beeler Mills, Pleasant Hill, Mo., successor.

62,789. WALL PAPER. Registered May 28, 1907. ALFRED PEATS CO., New York, N. Y. Renewed May 28, 1927, to Alfred Peats Co., Chicago, Ill., a Corporation of New York.

62,894. EVAPORATED MILK. Registered May 28, 1907. AMERICAN MILK PRODUCT CO. Renewed May 28, 1927, to Union Condensed Milk Company, Chicago, Ill., a Corporation of Illinois, assignee.

62,940. LEATHER BOOTS AND SHOES. Registered May 28, 1907. HAND MADE BOOT & SHOE CO., Chippewa Falls, Wis., a Corporation of Wisconsin. Registered May 28, 1927.

63,040. STOUT. Registered June 4, 1907. ARTHUR GUINNESS, SON & COMPANY, LIMITED, London, England, and Dublin, Ireland, a Corporation of Great Britain. Renewed June 4, 1927.

63,041. STOUT. Registered June 4, 1907. ARTHUR GUINNESS, SON & COMPANY, LIMITED, London, England, and Dublin, Ireland, a Corporation of Great Britain. Renewed June 4, 1927.

63,238. LEATHER BOOTS AND HIGH AND LOW CUT LEATHER SHOES. Registered June 11, 1907. LEONARD, SHAW & DEAN, Boston, Mass. Renewed June 11, 1927, to Leonard, Shaw & Dean, Inc., Middleboro, Mass., a Corporation of Massachusetts, successor.

63,405. CUTLERY IN GENERAL AND OTHER HAND TOOLS HAVING A CUTTING EDGE. Registered June 18, 1907. JONAS & COLVER LIMITED. Renewed June 18, 1927, to Jonas & Colver Limited, Sheffield, England, a Corporation of Great Britain, assignee.

63,410. CERTAIN EDGE TOOLS. Registered June 18, 1907. W. K. & C. PEACE LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 18, 1927.

63,521. CUTLERY AND ALL OTHER HAND TOOLS HAVING A CUTTING EDGE. Registered June 25, 1907. EDGAR ALLEN & CO. LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 25, 1927.

63,618. CERTAIN CUTLERY AND EDGE TOOLS. Registered July 2, 1907. SEEBOHM & DIECKSTAHL LD. Renewed July 2, 1927, to Arthur Balfour & Company, Limited, Sheffield, England, a Corporation of Great Britain, assignee.

63,681. CERTAIN CLOTHING. Registered July 2, 1907. MOORE-SMITH COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed July 2, 1927.

63,682. CERTAIN HEADWEAR. Registered July 2, 1907. MOORE-SMITH COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed July 2, 1927.

64,244. CUTLERY IN GENERAL AND OTHER HAND TOOLS HAVING A CUTTING EDGE. Registered July 30, 1907. JONAS & COLVER LIMITED. Renewed July 30, 1927, to Jonas & Colver Limited, Sheffield, England, a Corporation of Great Britain, assignee.

64,364. SEWING-MACHINE NEEDLES. Registered August 6, 1907. LEO LAMMERTZ. Renewed August 6, 1927, to Leo Lammertz, Aix-la-Chapelle, Germany, a Firm, assignee.

64,649. SALT. Registered August 13, 1907. SALT UNION LIMITED, Liverpool, England, a Corporation of Great Britain. Renewed August 13, 1927.

64,924. CANNED PEAS AND CORN. Registered August 27, 1907. F. P. ROE & BRO. Renewed August 27, 1927, to F. P. Roe Company, Greensboro, Md., successor.

65,107. CERTAIN CLOTHING. Registered September 10, 1907. VICTOR SPORTING GOODS CO. Renewed September 10, 1927, to Wright & Ditson Victor Company, Springfield, Mass., a Corporation of Massachusetts, successor.

65,315. MEASURING MACHINES FOR REMOTE TEMPERATURE READING AND RECORDING. Registered September 17, 1907. WILLIAM A. BAKER. Renewed September 17, 1927, to The American Temperature Indicating Co., Toledo, Ohio, a Corporation of Ohio, assignee.

65,326. HOSIERY. Registered September 17, 1907. RICHMOND HOSIERY MILLS, Rossville, Ga., a Corporation of Georgia. Renewed September 17, 1927.

65,431. MINERAL WATER. Registered September 24, 1907. WILLIAM BAIRD. Renewed September 24, 1927, to Wm. Baird & Son Company, Cambridge Springs, Pa., a Partnership, successor.

65,522. WHEAT FLOUR. Registered October 8, 1907. CLIMAX MILLING CO. Renewed October 8, 1927, to Hopkinsville Milling Co., Hopkinsville, Ky., a Corporation of Kentucky, successor.

65,523. A GALL SALVE. Registered October 8, 1907. FRANK B. DENNIE, Minneapolis, Minn. Renewed October 8, 1927.

65,662. HOSIERY. Registered October 15, 1907. A. B. ANDREWS COMPANY, New York, N. Y. Renewed October 15, 1927, to Richmond Hosiery Mills, Rossville, Ga., a Corporation of Georgia, assignee.

65,695. WHEAT FLOUR. Registered October 15, 1907. CLIMAX MILLING CO. Renewed October 15, 1927, to Hopkinsville Milling Co., Hopkinsville, Ky., a Corporation of Kentucky, successor.

66,140. SEWING-MACHINE HEADS AND ATTACHMENTS. Registered November 12, 1907. ALBERT G. MASON. Renewed November 12, 1927, to White Sewing Machine Corporation, Cleveland, Ohio, a Corporation of Delaware, successor.

66,149. CHAMPAGNE. Registered November 12, 1907. WERLE & Co. Renewed November 12, 1927, to Bertrand de Mun & Cie., Reims, France, assignee.

66,204. STOVES, RANGES, AND FURNACES, AND PARTS THEREOF. Registered November 12, 1907. SUMMIT FOUNDRY COMPANY, Geneva, N. Y., a Corporation of New York. Renewed November 12, 1927.

LABELS

REGISTERED JULY 12, 1927.

32,405.—*Title:* EMIL J. BRACH'S KITCHEN MADE CHOCOLATES. For Candy. E. J. BRACH & SONS, Chicago, Ill. Published May 25, 1927.

32,406.—*Title:* SIS-A-LU. For Hair Tonic. JAMES L. CLEMENT, New Orleans, La. Published March 10, 1927.

32,407.—*Title:* ST. RUVES. For Malt Extract. EDNA S. CLUEVER, doing business as Melo-Cream Distributing Co., Chicago, Ill. Published April 20, 1927.

32,408.—*Title:* OLD TIME HOME MADE LYDIA DARRAH CANDIES. For Candy. LYDIA DARRAH CANDY SHOPS, INC., Minneapolis, Minn. Published May 12, 1927.

32,409.—*Title:* ROYAL ASCOT. For Sport Garments. WM. DAVIES & Co., New York, N. Y. Published January 4, 1923.

32,410.—*Title:* HOME CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published April 29, 1927.

32,411.—*Title:* EXCELLA CREAMERY BUTTER. For Butter. WILLIAM DOANE, St. Louis, Mo. Published March 10, 1927.

32,412.—*Title:* EVERY PACKAGE ITS OWN ICE BOX. For Frozen Carbon Dioxide with a Commodity to be Refrigerated Thereby. DRYICE CORPORATION OF AMERICA, New York, N. Y. Published March 14, 1927.

32,413.—*Title:* EAGON'S VETERINARY REMEDY FOR CATTLE. For a Veterinary Remedy. JOHN A. EAGON, Batesville, Ohio. Published March 10, 1926.

32,414.—*Title:* PELICAN. For Canned Grapefruit. FLORIDA CANNERIES, INC., Sarasota, Fla. Published June 1, 1927.

32,415.—*Title:* TEXAS LONGHORN CROOKS. For Cigars. AUGUSTUS J. GOLDEN, Baltimore, Md. Published June 1, 1927.

32,416.—*Title:* SORESOL A GREKKO PRODUCT. For a Medicine for the Treatment of Sore Throat, Tonsilitis, and Quinsy. GREKKO CHEMICAL COMPANY, Minneapolis, Minn. Published June 15, 1927.

32,417.—*Title:* PERSONALIZED CHOCOLATES. For Candy. E. H. HACKER, doing business as Sterling Candy Company, Milwaukee, Wis. Published April 28, 1927.

32,418.—*Title:* CHAS. HOLLENBACH ROLL. For Meat Products. CHAS. HOLLENBACH, Chicago, Ill. Published May 19, 1927.

32,419.—*Title:* OLD RELIABLE MALT SYRUP. For Malt Sirup. FRANK W. JACOBSON, doing business as The Reliable Home Supply Company, Cleveland, Ohio. Published April 29, 1927.

32,420.—*Title:* SCARLET COQUET. For Lettuce. CHAS. H. JANDT PACKING CO., Los Angeles, Calif. Published September 3, 1926.

32,421.—*Title:* OAKSHIRE FARMS. For Butter. JERSEY FARM PRODUCTS CO., Pittsburgh, Pa. Published February 14, 1927.

32,422.—*Title:* GREEN GARDEN SALAD DRESSING. For Salad Dressing. LILLIAN HARTMAN JOHNSON, Los Angeles and Hollywood, Calif. Published March 24, 1927.

32,423.—*Title:* U-NEED-M. For Sweets. LINWOOD F. JORDAN, doing business as 20th Century Amusement & Vending Co., of America, Portland, Oreg. Published January 20, 1927.

32,424.—*Title:* KIT OIL. For Kit Oil. KIT MANUFACTURING COMPANY, Chicago, Ill. Published May 10, 1927.

32,425.—*Title:* OUT-A-BOND. For Flavors. EUGENE LEHRHAUPT and JOSEPH LEHRHAUPT, doing business as Elby Extract Company, New York, N. Y. Published March 1, 1927.

32,426.—*Title:* BORALIN GERMICIDAL COOLING SEDATIVE. For Medicinal Ointments. HILDA LEVERN, doing business as Trinity Pharmacal Co., Boston, Mass. Published April 1, 1927.

32,427.—*Title:* IOWA STATE BRAND. For Butter. MENASHA PRINTING AND CARTON COMPANY, assignor to The Iowa State Brand Creameries Association, Davenport, Iowa. Published May 15, 1927.

32,428.—*Title:* C-EM-DIE. For Insecticide and Germicide. MORGAN & COMPANY, Herman, N. Y. Published September 22, 1926.

32,429.—*Title:* YORKSHIRE FARM. For Sandwich Spread. JOHN MORRELL & CO., Ottumwa, Iowa. Published May 11, 1927.

32,430.—*Title:* YORKSHIRE FARMS. For Limburger Cheese. JOHN MORRELL & CO., Ottumwa, Iowa. Published May 11, 1927.

32,431.—*Title:* CHERRY BRAND BABY CLAMS. For Clams. MUTUAL SUPPLY COMPANY, San Francisco, Calif. Published May 2, 1927.

32,432.—*Title:* 10 CLOVERS FOR CONSTIPATION, A CONFECTION OF RHUBARB, PHENOLPHTHALEIN, CALCIUM CARBONATE, AND AROMATICS. For a Pharmaceutical Preparation. HARRY NOONAN, doing business as Clover Drug Co., New York, N. Y. Published May 25, 1927.

32,433.—*Title:* 10 CLOVERS FOR COUGH AND HALITOSIS, A CONFECTION OF MENTHOL, ACID-BENZOIC, THYMOL, ULMUS, EUCALYPTOL, AND AROMATICS. For a Pharmaceutical Preparation. HARRY NOONAN, doing business as Clover Drug Co., New York, N. Y. Published May 25, 1927.

32,434.—*Title:* 10 CLOVERS FOR INDIGESTION, A CONFECTION OF RHUBARB, MAGNESIUM, CALCIUM CARBONATE, CARBO, AND AROMATICS. For a Pharmaceutical Preparation. HARRY NOONAN, doing business as Clover Drug Co., New York, N. Y. Published May 25, 1927.

32,435.—*Title:* 10 CLOVERS FOR HEADACHE, A CONFECTION OF THEINE, ACETYL, SAL-ACID, AND AROMATICS. For a Pharmaceutical Preparation. HARRY NOONAN, doing business as Clover Drug Co., New York, N. Y. Published May 25, 1927.

32,436.—*Title:* SUNNYDOWN. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published March 30, 1927.

32,437.—*Title:* FLYING CLOUD. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published March 30, 1927.

32,438.—*Title:* SILVER FLOSS. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published March 30, 1927.

32,439.—*Title:* MALT SIRUP HOPFLAVORED. For Malt Sirup. JOSEPH PETROCELLI & CO. INC., New York, N. Y. Published May 14, 1926.

32,440.—*Title:* SED. For Cough Sirup. SAL LABORATORIES, Brooklyn, N. Y. Published June 29, 1926.

32,441.—*Title:* SHOTWELL'S MARSHMALLOWS. For Marshmallow Candy. SHOTWELL MFG. CO., Chicago, Ill. Published December 22, 1926.

32,442.—*Title:* VIRGINIA SNOW NOVELTY BIRD CAGE. For a Novelty Consisting of an Imported Canary, Fiber Hoops, Dexter Yarn, Thimble, Needle, and Lesson. VIRGINIA SNOW, Elgin, Ill. Published May 15, 1927.

32,443.—*Title:* OUR DAISY. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published March 14, 1927.

32,444.—*Title:* THOR-O-LAX A SYSTEMIC RENOVATOR. For a Medicinal Preparation. A. FRANKLIN TURNER, Arthur, Ill. Published March 22, 1927.

32,445.—*Title:* YE OLD FASHIONED POTATO BREAD. For Bread. 20TH CENTURY BAKERY, INC., Haverhill, Mass. Published January 1, 1926.

32,446.—*Title:* SANDWICH BREAD. For Bread. 20TH CENTURY BAKERY, INC., Haverhill, Mass. Published January 1, 1926.

32,447.—*Title:* SANDWICH BREAD. For Bread. 20TH CENTURY BAKERY, INC., Haverhill, Mass. Published January 1, 1926.

32,448.—*Title:* VICTORY BY-BY FLIFLUID. For an Insecticide. VICTORY CHEMICAL CO., Philadelphia, Pa. Published May 10, 1927.

32,449.—*Title:* ACME THREAD MILLS. For Thread. JOHN H. WAHLERS, New York, N. Y. Published June 2, 1927.

32,450.—*Title:* EMPIRE FLAX MILLS. For Twine. JOHN H. WAHLERS, New York, N. Y. Published May 5, 1927.

32,451.—*Title:* RICHMAID. For Ice Cream. WILMINGTON CREAMERY, Wilmington, Calif. Published May 2, 1927.

32,452.—*Title:* CHOCOLATE THINMINTS. For Candy. ASHFORD M. WOOD, Chicago, Ill. Published May 13, 1927.

PRINTS

REGISTERED JULY 12, 1927.

10,036.—*Title:* EAGLE-A BUSINESS PAPERS. For Eagle-A Business Papers. AMERICAN WRITING PAPER COMPANY, INC., Holyoke, Mass. Published May 21, 1927.

10,037.—*Title:* THE GUARANTEED BLIZZARD COOLING AND VENTILATING SYSTEM. For Cooling and Ventilating Systems and Parts Thereof. BLIZZARD SALES CO., Omaha, Nebr. Published April 11, 1927.

10,038.—*Title:* FRESH FISH FILLETS. For Salt-Water Fish. BOOTH FISHERIES COMPANY, Chicago, Ill. Published May 20, 1927.

10,039.—*Title:* STARTS 'EM RIGHT. For Chick Mash and Chick Feed. BOSSEMEYER BROS., Superior, Nebr. Published March 26, 1927.

10,040.—*Title:* MILLIONS KNOW WHAT SERVES THEM BEST. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 4, 1927.

10,041.—*Title:* AND NOW—'B. V. D.' RUNNING PANTS! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 7, 1927.

10,042.—*Title:* DON'T SHOOT THE LAUNDRYMAN. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 2, 1927.

10,043.—*Title:* HELP. For Rex Automatic Storage Water Heaters. THE CLEVELAND HEATER CO., Cleveland, Ohio. Published May 23, 1927.

10,044.—*Title:* THEY MEET STANDING ORDERS ON MANY DIETS—THESE TEMPTING DESSERTS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 1, 1927.

10,045.—*Title:* CROSSE & BLACKWELL PICKLES. For Pickles. CROSSE & BLACKWELL, INC., New York, N. Y. Published May 19, 1927.

10,046.—*Title:* BEST FOR BABY'S BODY REST FOR EVERY BODY. For Talcum Powders for Nursery and Toilet Use. THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Published April 18, 1927.

10,047.—*Title:* FOR DESSERT MY-T-FINE. For Dessert Preparations. THE D & C Co. INC., Wilmington, Del., and Brooklyn, N. Y. Published May 22, 1927.

10,048.—*Title:* HUMMING BIRD WEARS LONGER. For Full-Fashioned Hosiery. DAVENPORT HOSIERY MILLS, Chattanooga, Tenn. Published April 29, 1927.

10,049.—*Title:* 'RICH' GOODMAN AMERICAN KREEM. For Ice Cream. GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill. Published April 22, 1927.

10,050.—*Title:* THE GRAYCO GOLFER. For Shirts. MARION R. GRAY, Los Angeles, Calif. Published April 18, 1927.

10,051.—*Title:* ALL TIED FOR YOU. For Spur Ties. HEWES & POTTER, INC., Boston, Mass. Published April 25, 1927.

10,052.—*Title:* HIRSCHMAN KANT SPREAD MATTRESS. For Mattresses. THE J. C. HIRSCHMAN COMPANY, Indianapolis, Ind. Published May 26, 1927.

10,053.—*Title:* IS YOUR DAUGHTER SAFE? For a Motion-Picture Film. SINT S. MILLARD, Los Angeles, Calif. Published February 28, 1927.

10,054.—*Title:* CERTIFICATE OF AUTHORITY—1927. For Beverage Called "Moxie." THE MOXIE COMPANY, Boston, Mass. Published May 12, 1927.

10,055.—*Title:* SAFETY PATROL VALVE. For Safety Patrol Valves. THE PATROL VALVE COMPANY, Cleveland, Ohio. Published February 26, 1927.

10,056.—*Title:* WILLING SERVICE. For Groceries. REID, MURDOCH & Co., Chicago, Ill. Published May 27, 1927.

10,057.—*Title:* DOING HER BEST FOR DADDY. For Groceries. REID, MURDOCH & Co., Chicago, Ill. Published May 27, 1927.

10,058.—*Title:* 'OLD BOY! WE HAVE THE WINNING COMBINATION FOR TOMORROW.' For Shot-Gun Shells and Rifle Cartridges. REMINGTON ARMS COMPANY INC., New York, N. Y. Published May 9, 1927.

10,059.—*Title:* BIG-BO-CHIEF. For Bow Tie and Kerchief Set. SMITH-MORRIS, INC., New York, N. Y. Published February 1, 1927.

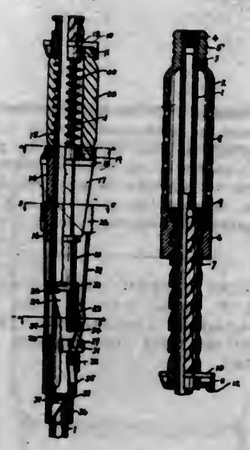
10,060.—*Title:* UNITED CUSTOM CLOTHES ARE DESIGNED TO FIT YOUR BODY. For Men's Clothing. THE UNITED WOOLEN COMPANY, Columbus, Ohio. Published June 3, 1927.

10,061.—*Title:* WESTINGHOUSE BATTERY. For Batteries. WESTINGHOUSE UNION BATTERY COMPANY, Swissvale, Pa. Published May 20, 1927.

REISSUES

JULY 12, 1927.

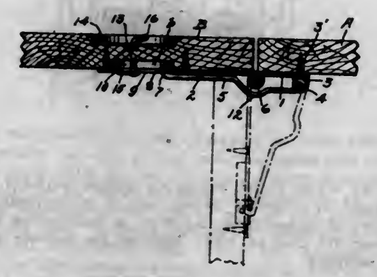
16,670. MECHANICALLY-PACKED PACKER. IVAN C. BELL, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Feb. 8, 1927. Serial No. 166,796. Original No. 1,526,411, dated Feb. 17, 1925, Serial No. 731,541, filed Aug. 12, 1924. 20 Claims. (Cl. 166—12.)



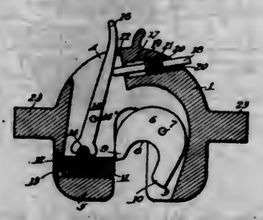
17. As a sub-combination in a packer for wells, a rotatable sleeve, and spring arms attached to the sleeve and bowed therefrom for engaging the walls of a well, said arms having their bowed portions disposed uprightly and at an angle and tending to rotate the sleeve when the latter is moved downwardly in a well.

16,671. LOCK HINGE FOR DOORS AND OTHER MOVABLE ELEMENTS. ALBERT F. WALTERS, Syracuse, N. Y. Filed Apr. 29, 1925. Serial No. 28,246. Original No. 1,480,647, dated Jan. 15, 1924, Serial No. 614,774, filed Jan. 25, 1923. 3 Claims. (Cl. 16—146.)

1. A locking hinge comprising a relatively fixed hinge section and a movable hinge section, in combination with a latch bar hinged at one end to the fixed section to swing vertically and horizontally and having its other end extended across and some distance beyond the hinge joint and provided with an offset slidable in a slot in the movable hinge section as the door is opened and closed, said slot having a downwardly extending branch into which the offset of the latch bar is adapted to drop when the door is opened to lock the door in said open position, and a rock shaft journaled on the movable hinge section and having one end provided with a cam for engaging said offset and tripping the latch from its locking position when the rock shaft is rotated in one direction, and a hand piece on the other end of the rock shaft for operating the same.

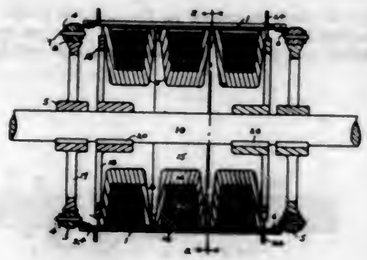


16,672. ELEVATOR. JOHN BERGSTEN, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Machine Company, a Corporation. Filed Oct. 10, 1924. Serial No. 742,924. Original No. 1,434,673, dated Nov. 7, 1922, Serial No. 519,472, filed Dec. 2, 1921. 14 Claims. (Cl. 294—91.)



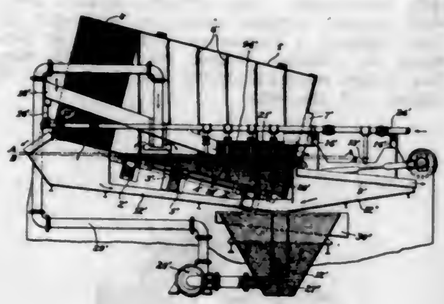
6. An elevator including, two work holding parts connected for one to swing horizontally with relation to the other between a position where the parts are open and a position where the parts are closed, means whereby the parts are automatically closed upon application of work thereto, and means other than the frictional resistance of the connection between the parts for holding the parts in both the open and closed positions.

16,673. ELECTROMAGNETIC APRON FEEDER. JOHN P. BETHKE, Milwaukee, Wis., assignor to Magnetic Manufacturing Co., Milwaukee, Wis. Filed Mar. 25, 1927. Serial No. 178,493. Original No. 1,531,372, dated Mar. 31, 1925, Serial No. 627,297, filed Mar. 24, 1923. 17 Claims. (Cl. 209—218.)



1. An apron feeder having an endless conveyor apron composed of a flexibly formed belt of substantially rigid sections of magnetizable material, in combination with a magnet, the field of which includes the delivery end of the conveyor.

16,674. METHOD AND APPARATUS FOR SEPARATING MATERIALS OF DIFFERENT SPECIFIC GRAVITIES. THOMAS M. CHANCE, Philadelphia, Pa. Filed Mar. 15, 1926. Serial No. 94,969. Original No. 1,559,938, dated Nov. 3, 1925, Serial No. 573,471, filed July 7, 1922. 7 Claims. (Cl. 209—173.)



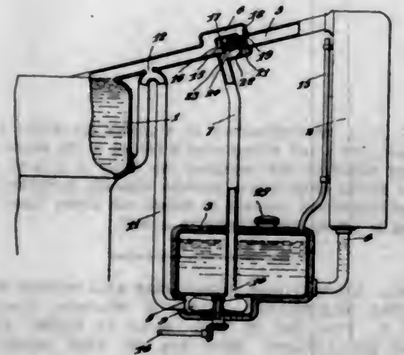
1. Apparatus for the separation of materials of different specific gravity comprising in combination a rotatable receptacle adapted to contain a fluid mass consisting of an agitated mixture of liquid and comminuted solids insoluble in said liquid; a fluid mass of said type in said receptacle; means for maintaining, by rotation of said receptacle and by the introduction of liquid under pressure, the fluid properties of said fluid mass said means comprising conduits extending into said receptacle and into said fluid mass, said conduits being connected to a source of supply of liquid under pressure, a partition extending into said fluid mass adapted to confine the movement of materials floating in the upper part of said fluid mass to a direction toward the region of discharge for said floating materials; means for introducing into said fluid mass the materials to be separated and means for removing said materials, after separation has been effected, from said fluid mass.

16,675. ATTACHMENT FOR VAULT DOORS. NOBLE Z. SMITH, Champaign, Ill., assignor to M. L. Canott and J. E. Hall, San Francisco, Calif. Filed Nov. 8, 1926. Serial No. 147,163. Original No. 1,514,866, dated Nov. 11, 1924, Serial No. 553,412, filed Apr. 17, 1922. 13 Claims. (Cl. 109—1.)



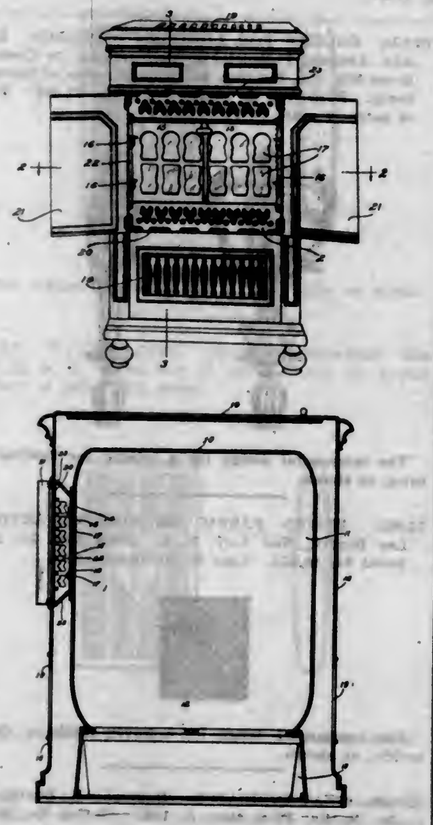
1. The combination with the mounted door of a vault and the door-jamb, of mechanism movable in and during the act of moving the door to its closed position, the same adapted to engage at one end a relatively immovable part during said act whereby to carry the other end of said mechanism between the door-jamb and an edge of the door for preventing entirely closing the latter.

16,676. COOLING SYSTEM. WELLINGTON W. MUIR, Lockport, N. Y. Filed Mar. 20, 1922. Serial No. 545,374. Original No. 1,346,331, dated July 13, 1920, Serial No. 311,009, filed July 15, 1919. 29 Claims. (Cl. 123—174.)



1. In a cooling system for internal combustion engines, a circuit for cooling fluid comprising a jacket, a radiator, normally acting as a condenser, means for maintaining an excess supply of cooling liquid, and means for delivering the fluid from the radiator beneath the surface of the liquid in said supply and thereby trapping and condensing the vapor which has passed through the radiator without being condensed.

16,677. HEATER. WILLIAM F. ALLEN, Nashville, Tenn. Filed May 18, 1927. Serial No. 192,457. Original No. 1,604,869, dated Oct. 26, 1926, Serial No. 85,231, filed Feb. 1, 1926. 14 Claims. (Cl. 126—67.)



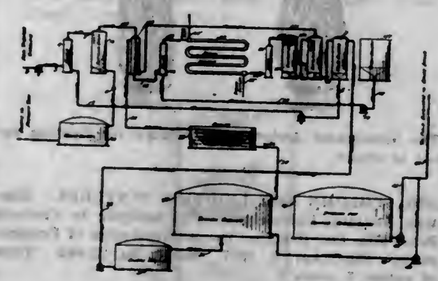
1. A heater including an inner heating unit having a fuel feed opening and a transparent closure, an outer casing unit having an opening alined with the fuel feed opening, an opaque closure for said opening, and means provided respectively at the sides of the fuel feed closure and adjacent the top and bottom of the opening in the outer casing unit for concealing the remainder of the inner unit and the air-circulation spaces between the units when the outer casing closure is opened for the purpose of exposing the glow of the fire.

16,678. DRY-PIPE-VALVE ACCELERATING DEVICE. EMIL TYDEN, Hastings, Mich. Filed Apr. 25, 1927. Serial No. 186,534. Original No. 1,615,056, dated Jan. 18, 1927, Serial No. 659,334, filed Aug. 25, 1923. 18 Claims. (Cl. 169—22.)

1. In a dry pipe sprinkler system in combination with a dry pipe main valve constructed for exposing differential areas to the water and air pressure respectively at its opposite sides, and having for that purpose at the water inlet side a chamber in which the pressure is normally substantially atmospheric; a passage leading from the region of one of said pressures to said chamber; a valve controlling said passage; an expansible and collapsible device exposed to air pressure from the system reaching two different areas of the movable wall of said device through two ports affording unequal access to said areas; whereby change of air pressure in the system causes temporarily unequal pressures at said different areas of said movable wall; a casing in which said device is contained which is closed except as to its communication with the air pressure region of the system, and connections operated by the moving wall of said device for controlling said pressure-passage-controlling-valve, said connections comprising parts which are accessible exteriorly of said casing for manipulation at will for testing said device.



16,679. TREATMENT OF PETROLEUM PRODUCTS. JOHN C. BLACK, Destrehan, La., and WIRT D. RIAL and RAYMOND T. HOWES, Los Angeles County, Calif., assignors to Pan American Petroleum Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 26, 1926. Serial No. 144,371. Original No. 1,592,329, dated July 13, 1926, Serial No. 84,024, filed June 1, 1925. 8 Claims. (Cl. 196—41.)



6. A process of removing gum-forming constituents from cracked gasoline which comprises heating a mixture of said gasoline and alkali solution to an elevated temperature and pressure and for a period of time sufficient to convert said gum-forming constituents and further purifying the thus treated gasoline by distillation to obtain a gasoline substantially free of gum-forming constituents.

DESIGNS

JULY 12, 1927.

73,018. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1927. Serial No. 21,440. Term of patent 7 years.



The ornamental design for a column for lighting fixtures, as shown.

73,019. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1927. Serial No. 21,441. Term of patent 7 years.



The ornamental design for a column for lighting fixtures, as shown.

73,020. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1927. Serial No. 21,442. Term of patent 7 years.



The ornamental design for a column for lighting fixtures, as shown.

73,021. COLUMN FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa., a Corporation of Pennsylvania. Filed Apr. 2, 1927. Serial No. 21,443. Term of patent 7 years.



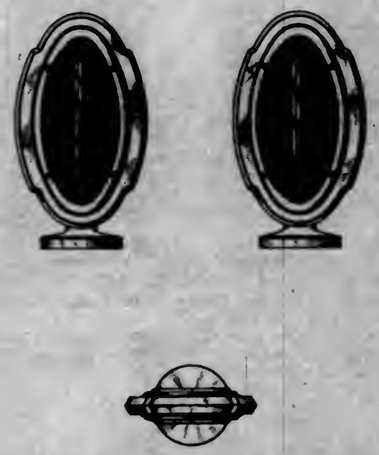
The ornamental design for a column for lighting fixtures, as shown.

73,022. WOVEN FABRIC OR SIMILAR ARTICLE. LEO BLUHM, New York, N. Y. Filed Mar. 17, 1926. Serial No. 16,969. Term of patent 3½ years.



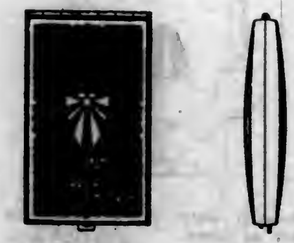
The ornamental design for a woven fabric or similar article, as shown.

73,023. HEAT INDICATOR. HARRISON H. BOYCE, Jericho, N. Y. Filed Mar. 5, 1927. Serial No. 20,987. Term of patent 14 years.



The ornamental design for a heat indicator, substantially as shown.

73,024. VANITY CASE. RUBY T. BREWSTER, New York, N. Y. Filed May 11, 1927. Serial No. 21,937. Term of patent 3½ years.



The ornamental design for a vanity case, as shown.

73,025. VANITY CASE. RUBY T. BREWSTER, New York, N. Y. Filed May 11, 1927. Serial No. 21,938. Term of patent 3½ years.



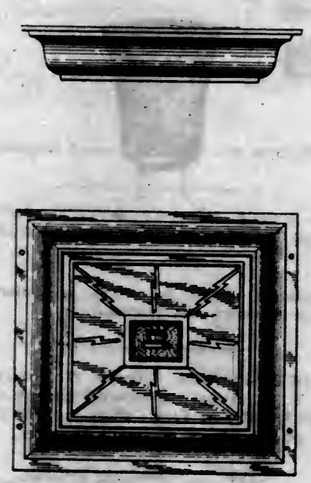
The ornamental design for a vanity case, as shown.

73,026. RADIATOR-CAP ORNAMENT. JOSEPH E. CORKER, Fort Lee, N. J., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 25, 1926. Serial No. 18,184. Term of patent 14 years.



The ornamental design for a radiator cap ornament, as shown.

73,027. FRONT FOR AN ELECTRICAL FLATIRON RECEPTACLE. PERCY C. CUNNINGHAM, Los Angeles, Calif. Filed Jan. 26, 1926. Serial No. 16,276. Term of patent 14 years.



The ornamental design for a front for an electrical flatiron receptacle, as illustrated in the drawing.

73,028. COMBINED SMOKER'S STAND AND TILTING TABLE. FREDERICK B. CUSHMAN, North Bennington, Vt., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt., a Corporation of Vermont. Filed Mar. 14, 1927. Serial No. 21,129. Term of patent 7 years.



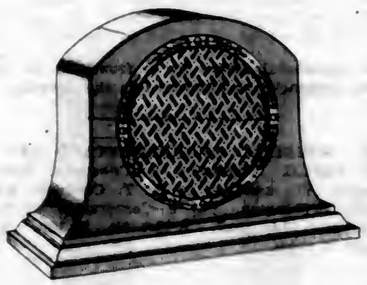
The ornamental design for a combined smoker's stand and tilting table substantially as shown.

73,029. CUP OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y., assignor to Simon W. Farber, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 5, 1927. Serial No. 20,971. Term of patent 14 years.



The ornamental design for a cup or similar article substantially as shown and described.

73,030. LOUD SPEAKER. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 27, 1927. Serial No. 20,517. Term of patent 14 years.



The ornamental design for a loud speaker substantially as shown.

73,031. TUMBLER. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio. Filed Apr. 23, 1926. Serial No. 17,415. Term of patent 14 years.



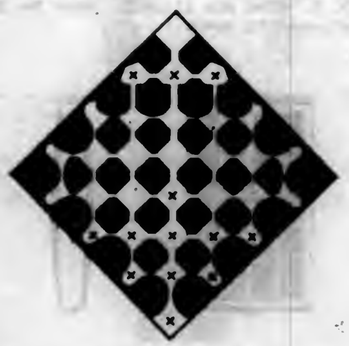
The ornamental design for a tumbler, as shown.

73,032. COMBINATION SALT AND PEPPER SHAKER. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Partnership. Filed Apr. 15, 1927. Serial No. 21,608. Term of patent 14 years.



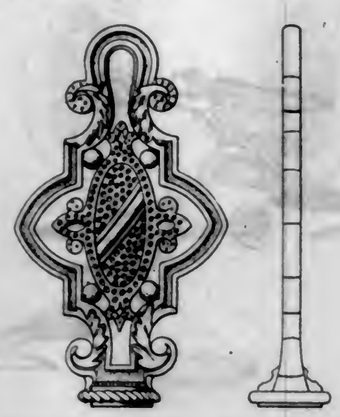
The ornamental design for a combination salt and pepper shaker, as shown.

73,033. GAME BOARD. HENRY HIMMELMAN, Winnipeg, Manitoba, Canada. Filed Oct. 17, 1922, Serial No. 4,009, and in Canada Aug. 10, 1922. Term of patent 3½ years.



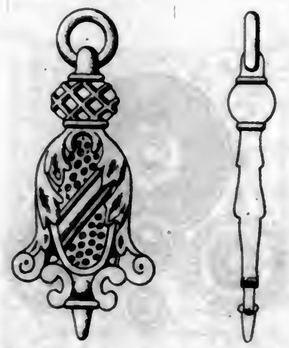
The ornamental design for a game board as shown.

73,034. LIGHTING-FIXTURE LOOP OR ANALOGOUS ARTICLE. JOHN F. HURD, Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,977. Term of patent 3½ years.



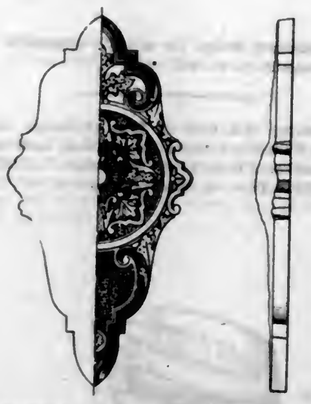
The ornamental design for a lighting fixture loop or analogous article substantially as shown.

73,035. LIGHTING-FIXTURE TASSEL OR ANALOGOUS ARTICLE. JOHN F. HURD, Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,978. Term of patent 3½ years.



The ornamental design for a lighting fixture tassel or analogous article substantially as shown.

73,036. BACKPLATE FOR LIGHTING FIXTURES. JOHN F. HURD, Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,979. Term of patent 3½ years.



The ornamental design for a backplate for lighting fixtures substantially as shown and described.

73,037. LIGHTING-FIXTURE CANOPY OR ANALOGOUS ARTICLE. JOHN F. HURD, Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,980. Term of patent 3½ years.



The ornamental design for a lighting fixture canopy or analogous article substantially as shown.

73,038. BAR AND SHELF BRACKET. ROY E. JORDAN, Newark, N. J., assignor to The Mosaic Tile Company, a Corporation of Ohio. Filed Mar. 4, 1924, Serial No. 8,827. Term of patent 14 years.



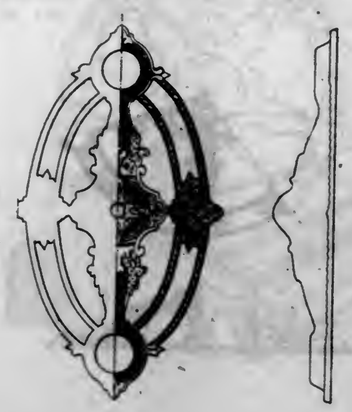
The ornamental design for a bar and shelf bracket, as shown.

73,039. STUDY CHAIR. EDWIN O. KLEMM, Saginaw, Mich. Filed July 26, 1926. Serial No. 18,487. Term of patent 14 years.



The ornamental design for a study chair, as shown.

73,040. LIGHTING-FIXTURE PLATE. JOHN KNIERIEM, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,986. Term of patent 3½ years.



The ornamental design for a lighting fixture plate substantially as shown and described.

73,041. LIGHTING-FIXTURE PLATE. JOHN KNIERIEM, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,987. Term of patent 3½ years.



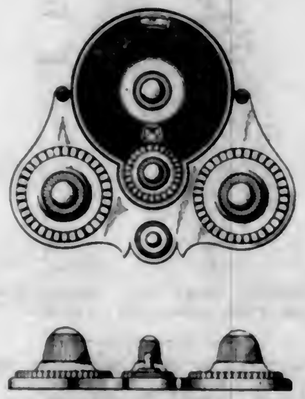
The ornamental design for a lighting fixture plate substantially as shown and described.

73,042. LIGHTING-FIXTURE PLATE. JOHN KNIERIEM, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc., a Corporation of New York. Filed May 14, 1927. Serial No. 21,988. Term of patent 3½ years.



The ornamental design for a lighting fixture plate substantially as shown and described.

73,043. RADIO APPARATUS MULTIPLE DIAL. FERDINAND KULHAWY, Guttenberg, N. J. Filed Mar. 18, 1926. Serial No. 16,965. Term of patent 3½ years.



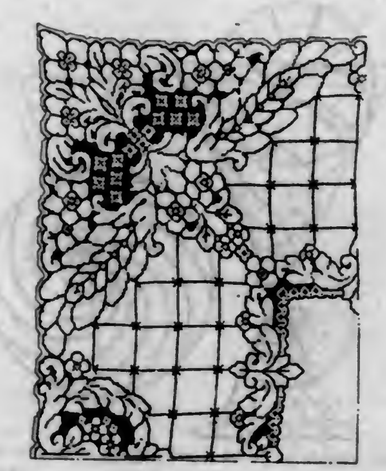
The ornamental design for a radio apparatus multiple dial substantially as shown.

73,044. BOOT. CHESTER B. LORD, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 20,995. Term of patent 3½ years.



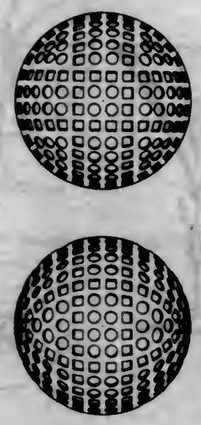
The ornamental design for a boot, substantially as shown.

73,045. EMBROIDERED CLOTH TABLE COVER OR THE LIKE. SALIM N. MALLOUK, Brooklyn, N. Y. Filed Apr. 29, 1927. Serial No. 21,797. Term of patent 3½ years.



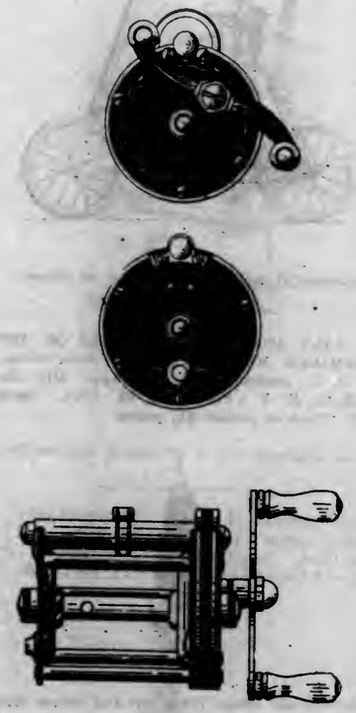
The ornamental design for an embroidered cloth table cover or the like substantially as shown and described.

73,046. GOLF BALL. ALBERT ERNEST PENFOLD, Birmingham, England, assignor to The Dunlop Rubber Company Limited, Fort Dunlop, Birmingham, England, a Corporation of Great Britain. Filed Jan. 29, 1927. Serial No. 20,527, and in Great Britain Nov. 3, 1925. Term of patent 14 years.



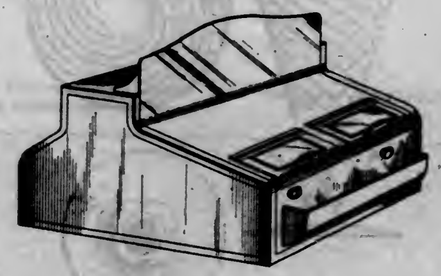
The ornamental design for a golf ball as shown.

73,047. FISHING REEL. CHARLES T. PFLUEGER, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 21, 1927. Serial No. 21,234. Term of patent 14 years.



The ornamental design for a fishing reel, as shown.

73,048. COMBINED BEVERAGE COOLER AND DISPENSER. MARK A. POWERS, Dallas, Tex. Filed Apr. 29, 1927. Serial No. 21,787. Term of patent 7 years.



The ornamental design for a combined beverage cooler and dispenser, as shown.

73,049. BICYCLE. MAYO E. ROE, Elyria, Ohio. Filed Jan. 2, 1926. Serial No. 15,944. Term of patent 7 years.



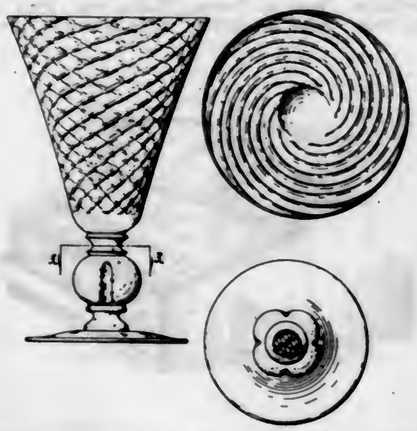
The ornamental design for a bicycle, as shown.

73,050. SALT AND PEPPER SHAKER OR ARTICLE OF SIMILAR NATURE. HARRY SCHATTMAN, New York, N. Y., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Filed May 21, 1927. Serial No. 22,122. Term of patent 3½ years.



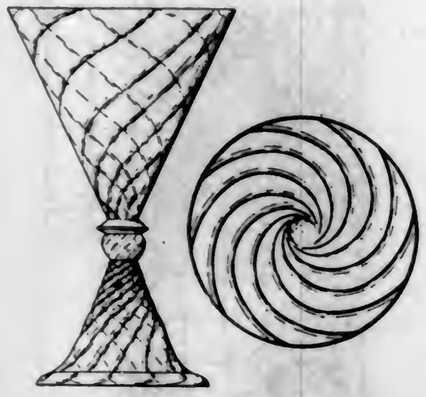
The ornamental design for a salt and pepper shaker, or article of similar nature, as shown.

73,051. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed Mar. 14, 1927. Serial No. 21,124. Term of patent 7 years.



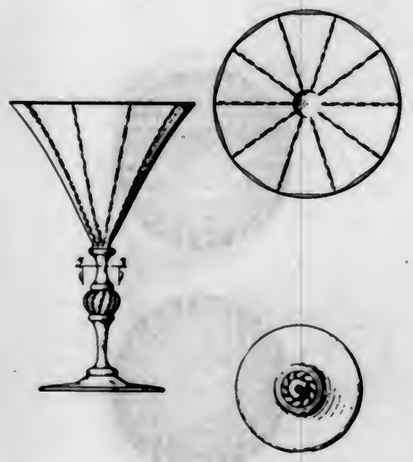
The ornamental design for a goblet or similar article as shown.

73,052. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed Mar. 14, 1927. Serial No. 21,125. Term of patent 7 years.



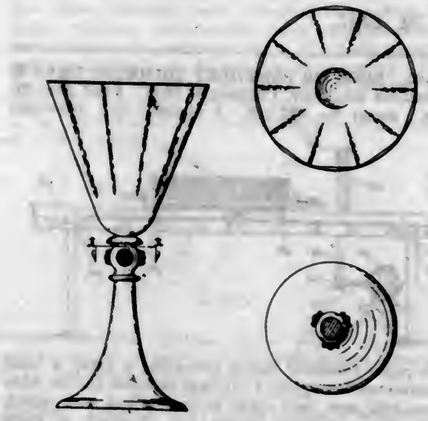
The ornamental design for a goblet or similar article, as shown.

73,053. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed Mar. 14, 1927. Serial No. 21,126. Term of patent 7 years.



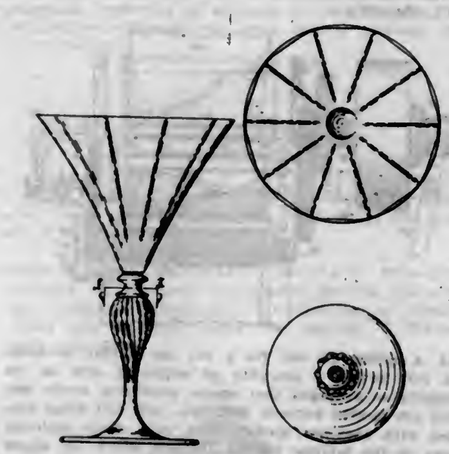
The ornamental design for a goblet or similar article, as shown.

73,054. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed Mar. 14, 1927. Serial No. 21,127. Term of patent 7 years.



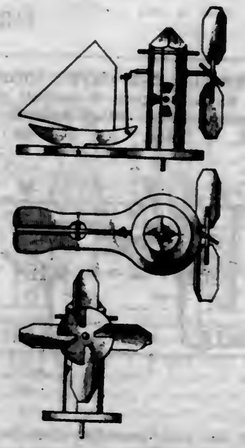
The ornamental design for a goblet or similar article, as shown.

73,055. GOBLET OR SIMILAR ARTICLE. FERDINAND SCHMIDT, Des Moines, Iowa. Filed Mar. 14, 1927. Serial No. 21,128. Term of patent 7 years.



The ornamental design for a goblet or similar article as shown.

73,056. TOY WINDMILL. WALTER B. SCOTT, Marblehead, Mass. Filed June 15, 1925. Serial No. 13,786. Term of patent 14 years.



The ornamental design for a toy windmill, as shown.

73,057. CHANDELIER. ALFRED P. SEIDELL, Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co., a Corporation of New Jersey. Filed May 14, 1927. Serial No. 21,975. Term of patent 7 years.

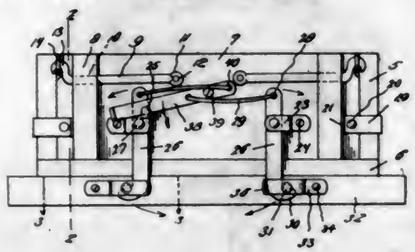


The ornamental design for a chandelier substantially as shown and described.

PATENTS

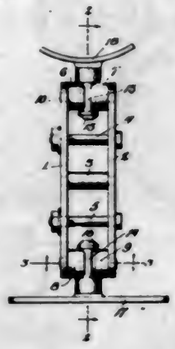
GRANTED JULY 12, 1927.

1,635,163. VEHICLE END GATE. CHARLES F. ALLISON, Wells, Kans., assignor of one-half to Harrison B. Peatling, Salina, Kans. Filed June 7, 1926. Serial No. 114,213. 1 Claim. (Cl. 296—50.)



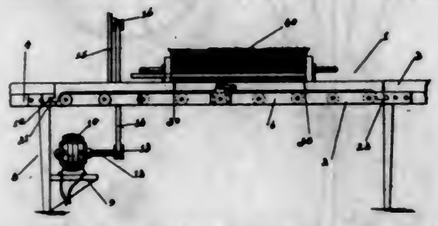
A device of the class described including, in combination, a wagon body comprising a pair of side boards and a bolster, an end gate, means for engaging the end gate with the side boards, a pair of brackets on the end gate, said brackets being disposed at the same level one to each side of the center of the end gate, one of the brackets being provided with a lip projecting outwardly and upwardly, a pair of levers pivoted intermediate their ends, one to each bracket, and having their lower ends terminating in outwardly disposed hooks, pins on the bolster for engagement with the hooks, links engaged with the upper ends of the levers, a crank pivoted on the end gate intermediate its ends above the level of the brackets, said links being engaged with said crank, one on each side of the pivot thereof, one end of the crank being adapted to engage with the lip to prevent the swinging of the levers when the hooked ends thereof are engaged with the pins on the bolster.

1,635,164. UNIVERSAL JOINT. NOAH W. AMDUR, New Rochelle, N. Y., assignor to Sun-Ray Lighting Products, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 18, 1924. Serial No. 750,688. 3 Claims. (Cl. 287—14.)



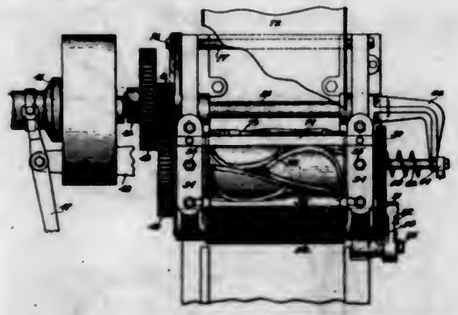
1. A universal joint, which comprises a frame, a pair of segmental bearing blocks rotatably mounted within the frame adjacent one end thereof for rotation around an axis at right angles to the longitudinal axis of the frame, and a journal embraced by said blocks, said journal element adapted for rotation around an axis at right angles to the axis of the blocks.

1,635,165. BOOK OR PAMPHLET TRIMMING DEVICE. CORNELIUS ADAMSKY, Cincinnati, Ohio. Filed Jan. 21, 1924. Serial No. 687,525. 4 Claims. (Cl. 164—35.)



1. A paper trimming device embracing a table, a band saw connected therewith, a carriage operable on the table to pass said saw, said table having rollers over which said carriage operates, means for clamping a stack of paper on said table, means for preventing the buckling of said stack, said means consisting of a rod mounted over said stack.

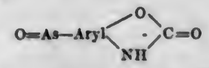
1,635,166. CUTTING MACHINE. WILLIAM H. ALBEE, Marlboro, Mass., assignor to B. A. Corbin & Son Company, Marlboro, Mass., a Corporation of Massachusetts. Filed Feb. 5, 1923. Serial No. 616,896. 12 Claims. (Cl. 164—28.)



11. A cutting-die roll for a box toe cutting machine, said roll having a plurality of adjoining dies on its periphery so arranged that spaces producing waste material are located between said dies, said roll being provided with openings leading from said waste material spaces to the interior thereof through which the waste material may be discharged.

1,635,167. BENZOXAZOLON ARSINE OXIDES. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, and OTTO SIEVERS, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, a Corporation of Germany. Filed June 19, 1925, Serial No. 38,328, and in Germany June 25, 1924. 3 Claims. (Cl. 260—14.)

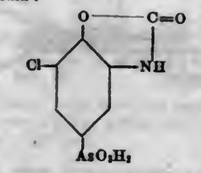
1. As new substances benzoxazolon arsine oxides of the general formula:



forming white powders insoluble or sparingly soluble in water, alcohol sodium carbonate and sodium acetate solution, readily soluble in a hot sodium carbonate solution and also in a cold caustic soda solution and being substantially identical with the compounds obtainable by gently reducing benzoxazolon arsonic acids.

1,635,168. BENZOXAZOLON ARSONIC ACIDS. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, and OTTO SIEVERS, Fechenheim, near Frankfort-on-the Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, a Corporation of Germany. Filed July 27, 1925, Serial No. 46,500, and in Germany Aug. 11, 1924. 2 Claims. (Cl. 260—14.)

2. As new product the 7-chlorobenzoxazolon-5-arsonic acid of the formula:



forming colorless crystals, easily soluble in alkalies, sparingly soluble in hot water, insoluble in cold water and in the customary organic solvents.

1,635,169. STABLE AND STERILIZABLE SOLUTIONS CONTAINING ORGANIC PHOSPHORUS AND COMPLEX AURO COMPOUNDS. LOUIS BENDA, Mainkur, near Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, a Corporation of Germany. Filed June 18, 1926. Serial No. 116,953, and in Germany June 22, 1925. 3 Claims. (Cl. 260—11.)

1. A process for producing stable and sterilizable solutions, containing organic phosphorus and complex auro compounds consisting in allowing to react soultions of dialkylaminoarylphosphinous salts, having probably the general formula:



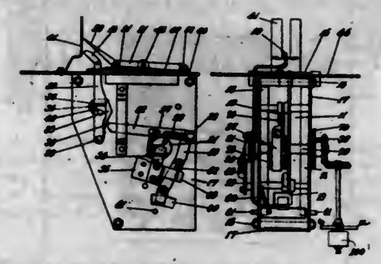
in which formula X means an alkyl radical, Y an alkali metal, on auro-sodium thiosulfate solutions in the presence of an alkali thiosulfate.

1,635,170. SWITCH SOCKET. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1922. Serial No. 540,195. 9 Claims. (Cl. 173—355.)



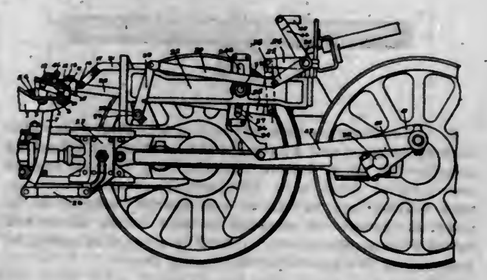
1. A switch socket construction comprising a shell receptacle contact, switch mechanism, a transversely extending push-bar for operating said switch mechanism, and a screw for limiting the movement of said push-bar, the head of said screw being positioned to form a center receptacle contact.

1,635,171. MACHINE FOR ISSUING PAPER AND PRINTED MATTER IN BOOKLET, CARD, TICKET, OR OTHER FORMS. JESSE SAMUEL BERNSTEIN and LEONARD HULBERT, London, England; said Hulbert assignor to Automaticket Limited, London, England, a British Company. Filed Apr. 27, 1923, Serial No. 635,165, and in Great Britain Dec. 4, 1922. 17 Claims. (Cl. 211—33.)



1. In a machine for issuing tickets from an apertured strip thereof, the combination of a delivery outlet, a power motor, a shaft driven thereby, a rotary cam on the said shaft, a spring controlled member operated by the said rotary cam, motor control means connected with the cam and the member, means for holding the member against operation when an end portion of the strip is in the delivery outlet and automatically operated means for rendering the member inoperative when the apertured strip is exhausted.

1,635,172. ENGINE VALVE GEAR. JOHN B. BROWN, Portland, Oreg. Filed Dec. 5, 1921. Serial No. 519,889. 6 Claims. (Cl. 121—163.)



3. In a valve gear of the radial type for operating the valves of a steam locomotive, a combining lever for determining the valve lead, a movable fulcrum for said lever, a valve rod actuated by the lever and directly connected thereto, a guide for constraining movement of the fulcrum in parallelism with the valve rod, means for varying the cut-off of the valves, and means cooperating with said last mentioned means for continuously varying the distance between the guide and the valve rod proportionate to variations in the cut off of the valves.

1,635,173. PROCESS OF REPRODUCING PICTURES OF ART SUBJECTS. GEORGE E. BUZZA, Minneapolis, Minn. Filed Dec. 7, 1925. Serial No. 73,935. 5 Claims. (Cl. 101—129.)

1. The process of reproducing pictures and representations of art objects which consists in forming a multiplicity of proofs of the art object upon sheets of paper wherein each proof has the same relation to the edges of said sheets, successively applying said proof sheets to stencil sheets of the same size as and in matching relation with said proof sheets, and, by use of the reproduced marks appearing on the proof sheets as the same are related to the colors of the art object cutting out from said stencil sheet portions thereof corresponding to distinct colors to be applied, which cut-out portions have

the same relation to the margins of the stencil sheet as do the corresponding portions of the proof, and thereafter successively applying all of said stencils to a reproduction sheet of the same size as the proof sheets and stencil



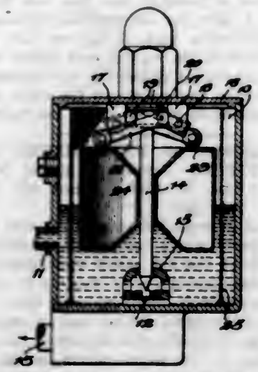
sheets so that the margins of the stencils and reproduction sheets coincide, and hand brushing over the stencil sheet and upon the reproduction sheet the appropriate color for each said stencil sheet.

1,635,174. THERMOMETER OR THERMOMETER-TUBE SUPPORT. JOHN B. CARROLL, Oak Park, Ill. Filed Oct. 20, 1924, Serial No. 744,667. Renewed May 13, 1927. 4 Claims. (Cl. 73—52.)



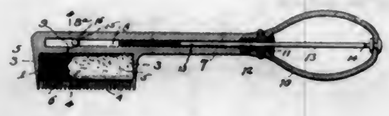
1. A thermometer-tube support comprising a metallic backing member and a facing sheet, said metallic backing member having a flexible tube-engaging loop formed in one integral piece with said metallic backing member, said flexible loop having an end portion adapted to be inserted through an opening in said facing sheet and folded over a thermometer tube to be secured in operative position on the outside of the facing sheet.

1,635,175. LIQUID-HEAD-MAINTAINING DEVICE. HOWARD R. CORWIN, Newark, N. J. Filed Aug. 27, 1925. Serial No. 52,815. 3 Claims. (Cl. 137—68.)



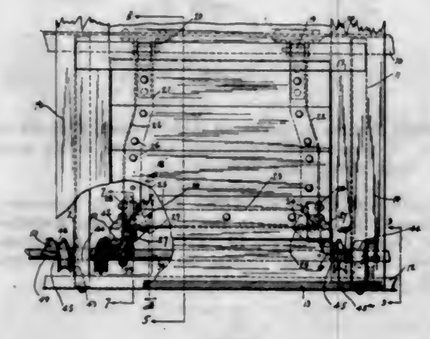
1. In a liquid head maintaining device, a chamber having an inlet and an outlet, a needle valve controlling the outlet, pivotally mounted weighted arms in the top of the supply chamber, means operatively associating the arms and needle valve to control the valve by the operation of the arms and a liquid controlled float movable longitudinally of the needle valve and engaging the arms to control the discharge of liquid from the supply chamber.

1,635,176. APPLICATOR. FRANK C. DORMENT, Wellington, Ohio. Filed July 18, 1924. Serial No. 726,782. 12 Claims. (Cl. 132—13.)



1. An applicator comprising a body portion having laterally projecting parallel spaced webs forming a channel between them, said webs having closely spaced comb teeth formed in the outer edges thereof and terminating short of the bases of the webs, and a liquid retaining body secured in said channel with the major portion thereof above the comb teeth and with its outer edge lying between the teeth of the two combs.

1,635,177. CAR-DOOR-OPERATING MECHANISM. GEORGE B. DOREY, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1923. Serial No. 658,695. 15 Claims. (Cl. 105—300.)



1. In a dump car, the combination with a door; of a sheave having a guideway provided with helical grooves of varying diameter, the largest of said grooves being disposed beyond the side of the door and the smallest of such grooves being disposed in the plane of movement of the door; and a flexible connection between the door and sheave adapted to wind in the said guideway.

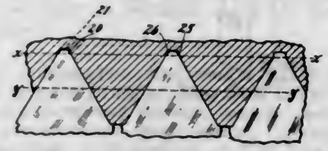
1,635,178. LINED VENT FOR UNLINED OR PARTLY-LINED GARMENTS AND METHOD OF MAKING IT. RICHARD A. FEISS, Cleveland, Ohio, assignor to The Joseph & Feiss Co., Cleveland, Ohio. Filed Feb. 10, 1923. Serial No. 618,345. 11 Claims. (Cl. 2—93.)

2. A garment provided with a pair of partway seamed half backs, one of the seam-bordering portions of the half back being partially severed so as to be adapted to be flapped across said seam line, a folded lining piece in its entirety juxtaposed to one side of said flapped-over strip, and felling stitches for fastening together juxtaposed



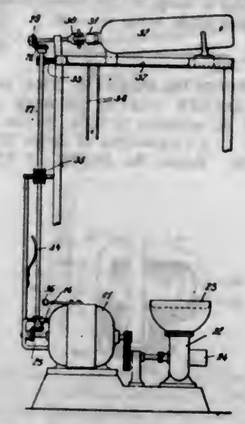
edges of said lining piece and the edge of said flapped strip and for securing the upper part of the composite flap to the same half back.

1,635,179. THREADING TOOL. RALPH E. FLANDERS, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a Corporation of Vermont. Filed June 13, 1925. Serial No. 36,780. 5 Claims. (Cl. 10—141.)



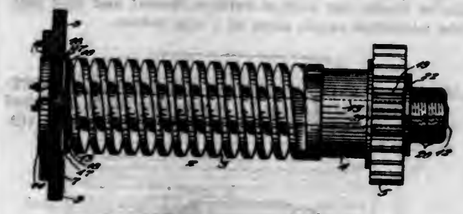
2. A thread cutting tool having its apex formed at a more acute angle than the flanks of adjacent threads to be cut and extending beyond the extreme diameter of said thread.

1,635,180. FIRE-FIGHTING SYSTEM. ISAAC GARZON FORERO, Bogota, Colombia. Filed Aug. 24, 1923. Serial No. 659,123. 6 Claims. (Cl. 169—11.)



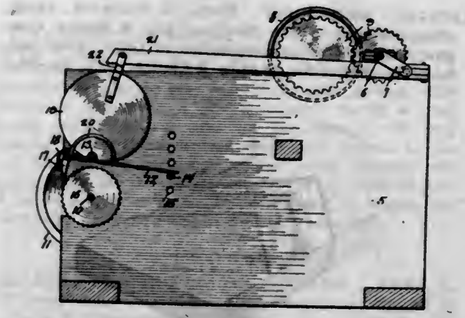
1. In a fire-fighting system, a fire-extinguishing device comprising in combination a motor, a device driven therefrom adapted to reduce the percent of oxygen in the atmosphere surrounding the fire by removing oxygen therefrom, a valve tank for compressed non-oxidizing gas, means operated by said motor for actuating the discharge valve of the tank, and conducting means from said discharge to said atmosphere.

1,635,181. GILL SCREW. WILLIS HOLDSWORTH, Providence, R. I. Filed Sept. 3, 1925. Serial No. 54,278. 7 Claims. (Cl. 19—129.)



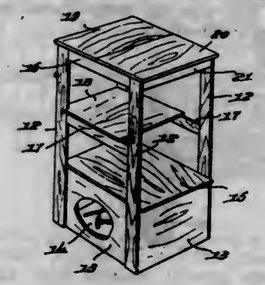
1. A gill-screw for gill-drawing frames provided with an axial bore extending throughout its length, a cam at the end of the screw, and a bolt extending through the bore in the screw and having means at its projecting end for securing it to hold the cam in place on the screw.

1,635,182. MECHANICAL MOVEMENT. ARMOND D. HUDSON, Keyapaha, and EDWARD L. SMITH, Millboro, S. Dak., assignors of one-fourth to Worley A. Tibbles, Millboro, S. Dak., and one-fourth to Benjamin B. Butts, Winner, S. Dak. Filed June 23, 1926, Serial No. 118,040. Renewed May 31, 1927. 8 Claims. (Cl. 74—54.)



8. In a power transmission mechanism, a lever pivoted between its ends for vertical rocking movement and having side guide rails, a heavy wheel mounted for rolling movement on and entirely supported by said lever between said guide rails, means to roll said wheel back and forth past the pivot of the lever, and means to transmit movement from the lever to a driven element.

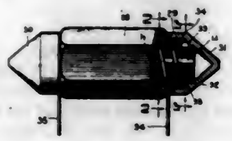
1,635,183. COMBINED STOOL, STEPS, AND TOOL BOX. ARTHUR A. JEANNOTTE, Nashua, N. H. Filed July 12, 1926. Serial No. 121,794. 2 Claims. (Cl. 155—42.)



1. An article of furniture comprising a frame provided with a horizontal top at its highest portion accessible from all sides as a seat member, a platform below said

top and terminating short of the front portion of the frame, said top having a fixed portion and a hinged portion, the hinged portion being movable onto said fixed portion to render the bottom surface thereof and said platform accessible as the steps of a step ladder.

1,635,184. MANUFACTURE OF ELECTRICAL RESISTANCE UNITS. LESTER L. JONES, Oradell, N. J. Filed Oct. 27, 1924. Serial No. 746,026. 12 Claims. (Cl. 201—75.)

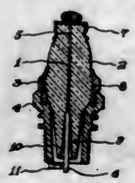


5. A resistance unit comprising a cylindrical base having a hard and semi-permeable surface, a homogeneous layer of graphite intimately united with the surface of the base, the said layer having a helical groove cut thereinto to produce a helical resistance path of predetermined value.

1,635,185. BELT JOINT. ELMER G. KIMMICH, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 1, 1925. Serial No. 59,845. 9 Claims. (Cl. 24—38.)

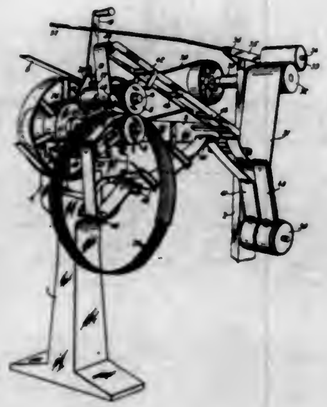
1. The method of joining laminated bands which comprises cutting the ends of the band to expose layers thereof, overlapping the ends and interconnecting one layer of each end only.

1,635,186. SPARK PLUG. JESSE T. LITTLETON, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Original application filed Apr. 25, 1921, Serial No. 464,143. Divided and this application filed Feb. 28, 1923. Serial No. 621,767. 4 Claims. (Cl. 123—169.)



1. A spark plug comprising a glass core and an electrode composed of a plurality of axial sections of different materials, one of which is of a material having a low coefficient of expansion, and is sealed to the core, and the other of which is of material resistant to destruction by arcing and is contained within, but not sealed to, the core.

1,635,187. APPARATUS FOR COVERING ANNULAR RINGS. HECTOR V. LOUGH, Hartford, Conn., and GUSTAVE B. MIX, Detroit, Mich., assignors to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed May 25, 1923. Serial No. 641,373. 15 Claims. (Cl. 154—9.)



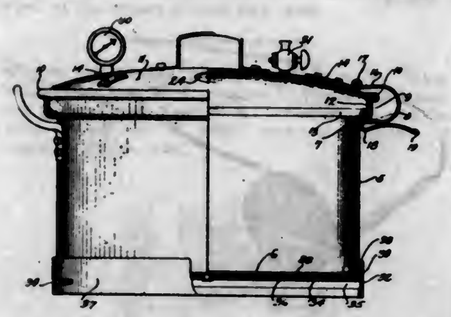
1. A machine for covering bead rings with rubber composition comprising, in combination, a driven grooved roll, a second and cooperating grooved roll located above the first, the bight between said rolls being accessible from one side thereof for the introduction or removal of rings, means for leading strips of vulcanizable rubber composition between the grooved rolls including two sets of guiding devices, said sets of guiding devices directing the strips convergently to the bight between the grooved rolls, and one of said sets of guiding devices including members deflecting a strip in its travel from contacting with a plurality of rings being covered.

1,635,188. METHOD OF FORMING THE BODY MEMBER OF A SAFETY CATCH. EUGENE MOSEHOUSE, Providence, R. I., assignor to B. A. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 26, 1925. Serial No. 18,573. 3 Claims. (Cl. 29—160.6.)



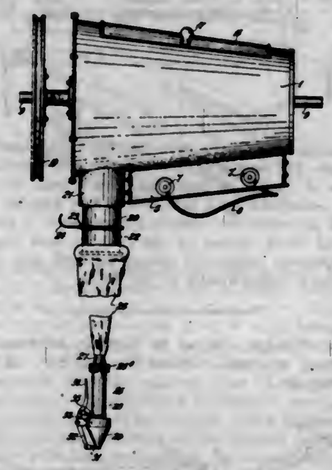
1. An improved method of forming a body member for safety catches, which consists in swaging the same from sheet stock to provide a pair of ear members connected by a shank to a base portion and having a rib on each shank portion, and bending the ears and shanks upward and simultaneously stretching the base portion to separate the ribs whereby the lower ends of said ribs serve to enlarge the area of the supporting base of the body.

1,635,189. COOKING UTENSIL. ELMER P. MCCLURE, Western Springs, Ill., assignor to Aluminum Products Company, a Corporation of Illinois. Filed Jan. 28, 1926. Serial No. 84,271. 3 Claims. (Cl. 53—1.)



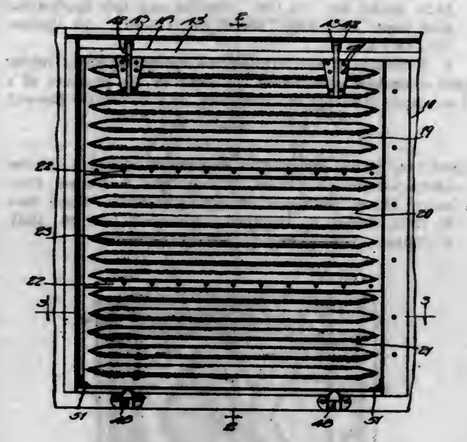
1. A clamp for a cooker comprising a clamping member of resilient material having hinge means at one end, a cooperating hinge member therefor secured to the cover of said cooker, the other end of said clamping member outturned to form a handle, the intermediate part having a bight formed therein to engage beneath an outturned portion of the cooker to yieldingly clamp the cover and cooker together.

1,635,190. APPARATUS FOR DECORATING CHOCOLATES, CONFECTIONERY, AND THE LIKE. FRANCIS JOSEPH MICHALLAT, Norwich, England, assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich., a Corporation of New York. Filed Nov. 7, 1924, Serial No. 748,389, and in Great Britain Dec. 15, 1923. 9 Claims. (Cl. 107—27.)



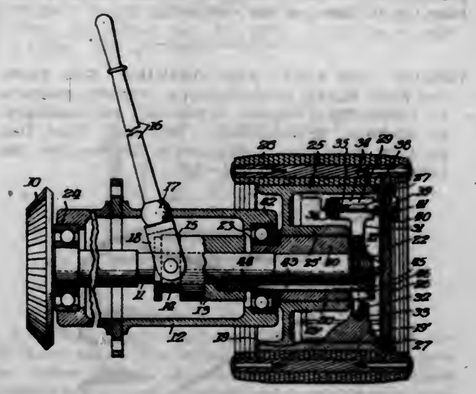
6. Apparatus for decorating confectionery comprising a container for decorating substance disposed with its axis horizontal or substantially horizontal and having a downwardly inclined base, said container having an outlet adjacent its lowest part to which the substance is led by said inclined base, flexible discharge bag applied to said outlet, a revoluble perforated baffle within the container in advance of the outlet, means for providing access to the container and to both sides of the perforated baffle, a discharge nozzle applied to the outlet end of the bag, a valve in said nozzle and manipulative means carried by the nozzle for controlling said valve.

1,635,191. SHEET-METAL CAR DOOR. WALTER P. MURPHY, New York, N. Y. Filed May 8, 1920, Serial No. 379,807. Renewed Feb. 27, 1925. 3 Claims. (Cl. 189—46.)



1. In combination with the body of a railway box car having a door opening, a sheet metal door formed with substantially horizontally disposed corrugations which terminate within the rear edge of the door leaving a flat margin at this place, a closure member having a rearwardly projecting web near the rear edge of the door opening, and a Z-bar secured to the flat margin at the rear edge of the door, one web of which projects outwardly from the door and another web of which is bent so as to project inwardly and forwardly to engage the rearwardly projecting web of the closure member.

1,635,192. FRICTION-CLUTCH PULLEY. ALOIS L. PREIMESBERGER, Menasha, Wis., assignor of one-half to Frank E. Sensenbrenner, Menasha, Wis. Filed Oct. 17, 1924. Serial No. 744,220. 11 Claims. (Cl. 192—78.)

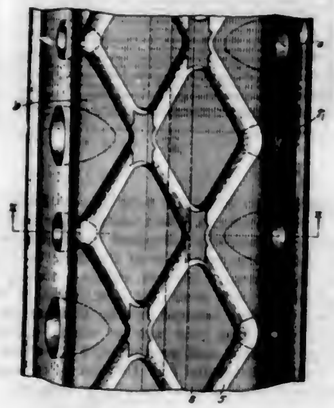


1. In a friction clutch, the combination of a normally contracted divided ring having inwardly converging ends, a split wedge block disposed between said ends, an adjusting member in said block having tapered wedge members in both ends for uniformly expanding the same throughout its length, and means for moving said block substantially radially of said ring to expand said ring.

1,635,193. METHOD OF ACCELERATING THE VULCANIZATION OF RUBBER AND PRODUCT THEREOF. LOBIN B. SEBRELL, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Apr. 4, 1924, Serial No. 704,159. Divided and this application filed Sept. 16, 1926. Serial No. 135,992. 10 Claims. (Cl. 18—53.)

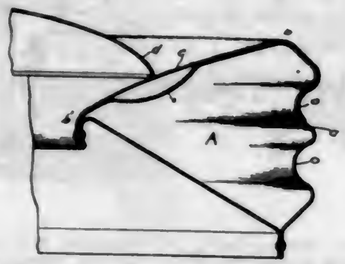
1. A method of accelerating the vulcanization of rubber that comprises vulcanizing the same in the presence of a 1-mercapto dimethyl bensothiazole, or a derivative thereof.

1,635,194. CUSHION TIRE. WALTER E. SHIVELY, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 8, 1923, Serial No. 673,508. Renewed Jan. 25, 1927. 6 Claims. (Cl. 152—1.)



3. A cushion tire comprising a metal base band, and a cushion body vulcanized to said base band and having a continuous, annular internal chamber and a substantially flat unitary tread surface supported from the base band by divergent side walls, each of the side walls having a plurality of recesses extending laterally inwardly less than the thickness of the side wall.

1,635,195. GAS VALVE FOR AIRSHIPS. KARL STAHL and KARL SILLER, Friedrichshafen, Germany, assignors to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Dec. 10, 1924, Serial No. 754,974, and in Germany Dec. 24, 1923. 4 Claims. (Cl. 251—167.)



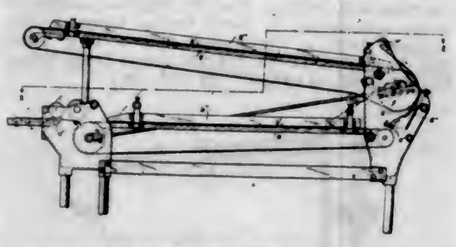
1. A gas valve comprising a valve seat and a cover disc, said valve seat comprising a hollow ring and having a membrane stretched over it.

1,635,196. CORD TIRE FABRIC. SAMUEL A. STERN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 19, 1925. Serial No. 70,095. 4 Claims. (Cl. 154—2.)



1. That step in the fabrication and processing of cord tire fabric prior to the bias cutting operation which comprises weaving in substantially one per cent more cord in the selvage than the body portion of the fabric.

1,635,197. PAPER DEFLECTOR. LESLEY R. TUFTS, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 22, 1924. Serial No. 757,349. 8 Claims. (Cl. 271—38.)



1. In apparatus of the class described, the combination with means for conveying and reversing the arrangement of sheets of paper, of upper and lower sets of resilient members associated with said means and adapted to bear upon and maintain the relative arrangement of the sheets throughout their course of reversal in said apparatus, and independent tensioning means for both sets of resilient members, substantially as set forth.

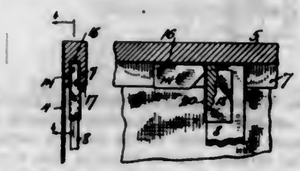
1,635,198. TRUCK. GILES M. TURNER, Milwaukee, Wis. Filed May 7, 1923. Serial No. 637,229. 2 Claims. (Cl. 280—46.)



1. In a truck construction of the class described, a truck body, a coupling tongue secured to the forward end of said body, said coupling tongue comprising a pair of plates rigidly secured together throughout a portion of their length and bent to form an inclined bearing surface, said plates being divided throughout the remainder

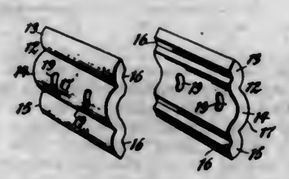
of their length to form an angular portion adapted to be secured to the truck body, and a wheeled jack truck, said jack truck being formed with means for pivotally engaging the bearing surface on the said tongue, said engaging bearing surfaces being arranged wholly forward of the centers of the wheels of said jack truck.

1,635,199. FOLDING SCREEN. WESLEY L. WADSWORTH, Brooklyn, N. Y., assignor to Wadsworth Mounting Co. Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 2, 1923. Serial No. 672,276. 1 Claim. (Cl. 40—125.)



A collapsible screen comprising a sheet of pliable material and a collapsible frame therefor, including strips attached to the sheet and spaced in parallel relation, said strips having longitudinal grooves in their opposing edges, a spreader adapted to lie partially in the groove of one of said strips and having one end hinged in said groove by means of a pliable member having connected sections, one of said sections being glued to the bottom and side surfaces of the groove of one of said strips, and the other section having walls glued to the edge and side surfaces of said spreader.

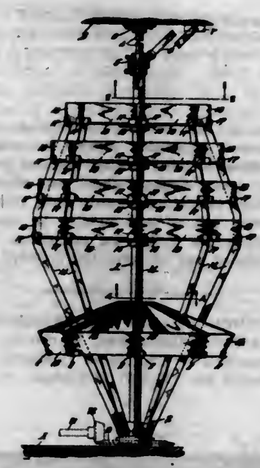
1,635,200. WIRE CONNECTER. JOHN ZILLIOX, Orchard Park, N. Y., assignor to Park Metalware Co. Inc., Orchard Park, N. Y. Filed July 19, 1922. Serial No. 576,081. 1 Claim. (Cl. 173—263.)



A wire connecter comprising two plates each of which is bent from a piece of sheet metal to form three parallel corrugations having convex outer sides and concave inner sides, the central corrugation of each plate being wider than the end corrugations on opposite sides thereof and each central corrugation having an opening, said plates being assembled with the concave sides of their end corrugations facing each other and adapted to engage opposite sides of the wires to be gripped, and a clamping bolt passing through the openings of the central corrugations and bearing with its head against the convex side of the central corrugation of one plate and with its nut against the convex side of the central corrugation of the other plate.

1,635,201. DISPLAY RACK. CLINTON L. BELL, Decatur, and MORRIS S. KESSLER, Auburn, Ill., assignors, by mesne assignments, to Decatur Rotary Display Company, Decatur, Ill. Filed Mar. 8, 1924. Serial No. 697,943. 3 Claims. (Cl. 211—20.)

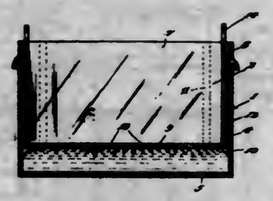
1. A display rack comprising a central support, means on said support for holding a plurality of trays in radial arrangement thereabout and in inclined positions in relation to the support, other means for holding a series of sets of trays in radial arrangement around said support and in pyramidal arrangement above each other and bracing bars secured to the support and to the supporting and holding means outwardly from the support, said bracing bars being common to the several supporting and holding means.



1,635,202. COMPOSITION FOR CLEANING BRUSHES AND THE LIKE. FRED COLEMAN BRAY, Moncton, New Brunswick, Canada. Filed Sept. 11, 1924. Serial No. 737,205. 1 Claim. (Cl. 87—5.)

A composition for cleaning brushes and the like consisting of common soap, 4 lbs.; sal soda, 1 lb.; pumice, 1 lb.; sugar, 1 lb.; creosote oils in a resin soap solution, 2 oz.; glycerine, 2 oz.; and witch-hazel, 1 oz.

1,635,203. FLOWER BOX. ANDREW BROSNICK, New Derry, Pa. Filed Dec. 12, 1925. Serial No. 75,020. 1 Claim. (Cl. 47—38.)



A rectangular flower box comprising an outer container for water having lugs within its corners disposed above the bottom thereof, an inner soil container removably mounted in the outer container and having handles upon its upper edge, the bottom of the inner container being adapted to rest upon the lugs to hold said bottom spaced above the bottom of the outer container and the handles above the upper edge of the outer container, and ribs carried by the outer walls of the inner container for engaging the inner surfaces of the outer container to space said container to provide an air space about the inner container.

1,635,204. DIVING BOARD. WALTER STERRY BROWN, Urbana, Ill. Filed June 7, 1926. Serial No. 114,328. 5 Claims. (Cl. 272—66.)



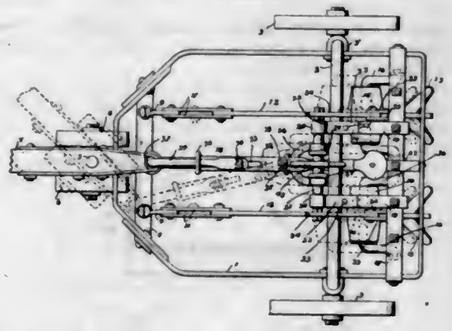
1. A device of the character described comprising a frame, a crossbar adjustably carried by said frame, an elongated resilient member having one end disposed upon said crossbar, means disposed above said elongated resilient member and extending beneath said frame for holding the adjacent end of said member in close proximity to said crossbar, and a fulcrum adjustably disposed beneath said member and adjacent the forward end thereof.

1,635,205. UNDERCLEARER FOR SPINNING FRAMES. WILLIAM ANDREW CARPENTER, Hartsville, S. C., assignor of one-half to Charles H. Campbell. Filed Oct. 2, 1926. Serial No. 139,127. 3 Claims. (Cl. 19—140.)



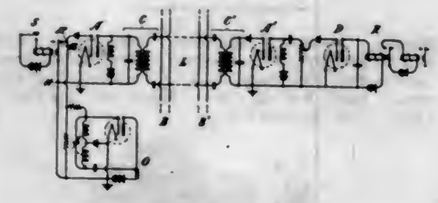
1. An under clearer for spinning frames comprising a roller, a fibrous sleeve co-extensive with the roller and adapted to surround the same, trunnions projecting from the ends of the roller, and fibrous end discs mounted on the trunnions and abutting the ends of the roller and sleeve.

1,635,206. AGRICULTURAL MACHINE. JACOB A. ELLER, Clovis, N. Mex. Filed May 29, 1926. Serial No. 112,501. 7 Claims. (Cl. 97—75.)



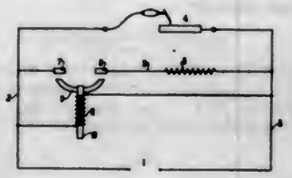
1. The combination with an agricultural machine including an implement beam mounted for swinging movement in a vertical plane and a laterally swingable tongue, of a rock shaft mounted transversely above the beam, connections between the rock shaft and the beam, and a pulling bar pivoted at its front end to the tongue and engaged at its rear end with the rock shaft, the pulling bar being normally alined with the tongue and shiftable to angular relation thereto when the tongue swings laterally whereby to rock the shaft forwardly and lift the implement beam.

1,635,207. CARRIER CURRENT TELEGRAPHY. LLOYD ESPENSCHIED, Queens, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 4, 1922. Serial No. 534,175. 7 Claims. (Cl. 178—66.)



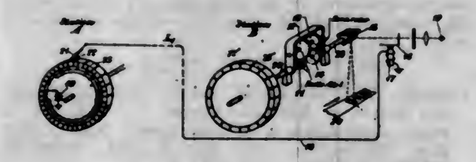
1. Carrier current telegraph receiving apparatus comprising an amplifier for the incoming currents, a detector with its input connected to the receiver output, means to adjust the detector and its input so that it will exhibit saturation at the maximum voltage of the signal waves, and a receiving device responsive to the signal waves.

1,635,208. ELECTRIC-ARC WELDING APPARATUS. JAN HENDRIK EZENDAM, Amsterdam, Netherlands, assignor to N. V. Industrie- en Handelmaatschappij V. H. Harms & Co., Amsterdam, Netherlands. Filed Jan. 2, 1926, Serial No. 78,941, and in the Netherlands Dec. 20, 1924. 3 Claims. (Cl. 219—8.)



1. In an electric arc-welding apparatus, a welding circuit, a shunt circuit across the welding circuit including a resistance, electromagnetic means for opening and closing the shunt circuit, the energization of the electromagnetic means being dependent upon the voltage across the welding arc and also, but reversely, dependent of the strength of the welding current whereby the energization by the voltage prevails over that by the strength of the current, if the voltage rises to a predetermined value prior to the welding arc breaking.

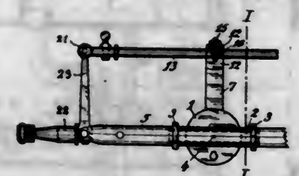
1,635,209. TELEGRAPH DISTORTION-MEASURING SYSTEM. JOHN M. FELL, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 8, 1925. Serial No. 49,113. 6 Claims. (Cl. 178—69.)



1. The method of determining the magnitude of the distortion of telegraph signals resulting from transmission

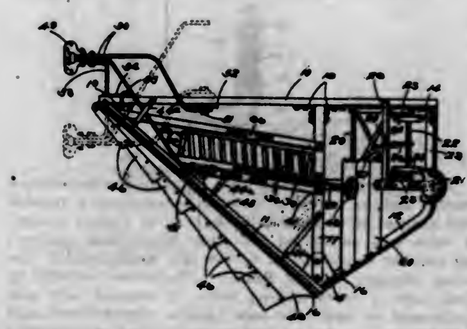
of the said signals, which consists in projecting a beam of light upon a recording surface and controlling the duration of the projection of the said beam by and in accordance with telegraph signals.

1,635,210. STEERING-GEAR BRAKE. NIS CHRISTIAN FRIKKE, Esbjerg, Denmark. Filed Aug. 25, 1924, Serial No. 734,053, and in Denmark Mar. 17, 1924. 1 Claim. (Cl. 280—89.)



Steering gear brake for use with automobiles and other vehicles consisting of a brake member fitted to the front axle, another brake member, frictionally movable on said first brake member, a spring pressing the said two brake members together, the movable brake member having an arm, an angular member clamped to the steering rod of the steering gear, said angular member being secured to the free end of the arm of the movable brake member by means of a bolt and nut passing through the said two parts and having a coiled spring under the said nut.

1,635,211. COMBINED BRUSH-CUTTING AND ROAD-SCRAPING MACHINE. AUGUST FRITSCH, Engelfeld, Saskatchewan, Canada. Filed Mar. 27, 1924. Serial No. 702,309. 1 Claim. (Cl. 55—60.)

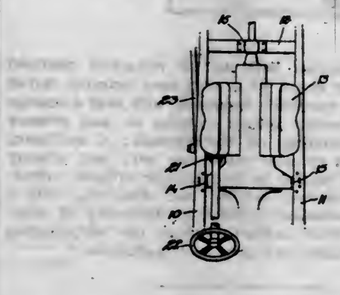


In a machine of the class described, comprising in combination a frame structure; said frame structure being formed with one portion in alignment with the direction of travel, a second portion having its forward end connected to and being disposed at an acute angle relative to said first portion and a third portion connecting the rear ends of the first said portion and the second said portion; an auxiliary frame supported intermediate the said frame structure; a main supporting wheel mounted in said auxiliary frame and acting as a fulcrum relative to said structure; a means for raising and lowering of said auxiliary frame and said frame structure relative to said main supporting wheel; a mould-board carried by said second portion of said frame structure; a transverse supporting rod carried between the first and third said portions of said frame structure; brackets each having one end pivotally mounted on said rod and extending rearwardly therefrom; an axle supported in the other ends of said brackets; ground wheels mounted on said axle and a means for fixedly adjusting said wheels for tilting said frame structure relative to said main supporting wheel.

1,635,212. LIME-SLUDGE PRODUCT AND PROCESS OF MAKING THE SAME. CLARENCE J. HERBLY, Pittsburgh, Pa., assignor to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Feb. 19, 1924. Serial No. 693,897. 9 Claims. (Cl. 18—475.)

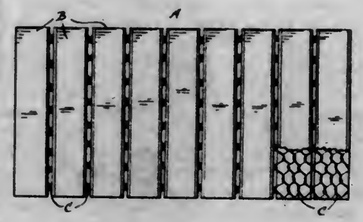
1. Process of making building blocks and the like, comprising mixing together lime sludge, a cellulosic material, and an inorganic water absorbing material to form a plastic composition; shaping the composition; and baking the shaped product at a temperature in excess of 200° C.

1,635,213. YIELDING MOTOR SUSPENSION. FENN M. HOLDEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 20, 1921. Serial No. 463,021. 3 Claims. (Cl. 180—64.)



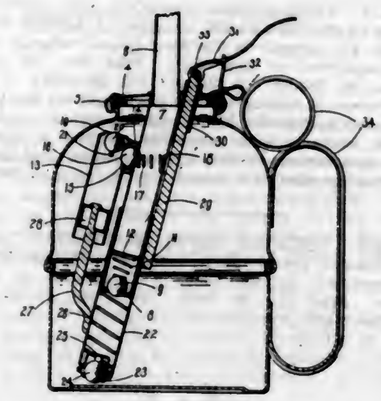
1. Engine suspending means comprising a frame having two side members, an engine, means for rigidly connecting the engine to one of said members, and means for suspending the engine from the other member comprising a vertically arranged flexible link fixed at its upper end to the side member and at its lower end to the engine.

1,635,214. WALL BOARD. RASMUS N. JENSEN, Salt Lake City, Utah. Filed Oct. 19, 1925. Serial No. 63,302. 1 Claim. (Cl. 72—116.)



A flexible wall board consisting of a flexible sheet of perforated reenforcing material, a plurality of bars of plaster board material formed on the flexible sheet in spaced relation to each other to leave portions of the sheet completely exposed, the bars having their adjacent edges beveled at both sides of the sheet.

1,635,215. OIL CAN, LUBRICATOR, AND THE LIKE. ALBIK JOHNSON, OLOF PERSSON, and PETE JOHNSON, Kelliher, Saskatchewan, Canada. Filed May 24, 1926, Serial No. 111,349, and in Canada May 11, 1926. 4 Claims. (Cl. 221—51.)

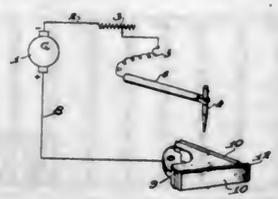


1. The combination with an oil receptacle provided with a discharge spout, of a stationary primary valved cylinder in said receptacle connected with said discharge spout; a reciprocable plunger cylinder on said primary cylinder for delivering oil therethrough; a stationary secondary valved cylinder connecting with said primary cylinder; means carried by said plunger cylinder extending into the secondary cylinder and connecting with a piston in said secondary cylinder for delivering oil therethrough; and hand actuated means for reciprocating said plunger cylinder and associated mechanism.

1,635,216. METHOD AND MEANS FOR USING LOW-COMPRESSION FUELS. CHARLES F. KETTERING and THOMAS MIDGLEY, Jr., Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 3, 1924. Serial No. 684,255. 4 Claims. (Cl. 44—9.)

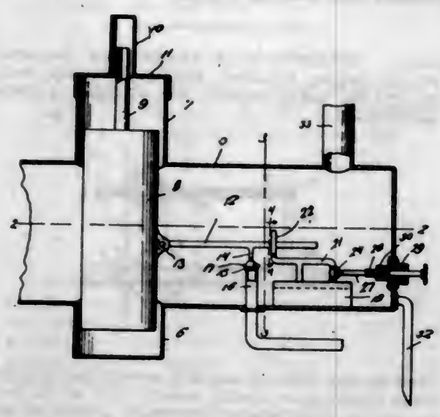
1. A fuel for internal combustion engines, containing iodine.

1,635,217. PROCESS OF WELDING MANGANESE STEEL TO CARBON STEEL. FERDINAND H. KIRCHMAN, Washington, D. C., assignor to Edward C. Foster, Washington, D. C. Filed Oct. 5, 1926. Serial No. 139,671. 4 Claims. (Cl. 219—10.)



2. The process of uniting the manganese steel body of a tooth for an earth excavator or dredge with a facing of iron or steel which comprises bringing the facing of manganese steel into close relationship with a solid body of iron or steel, bringing proximate parts of said bodies to their fusion points substantially in the absence of additions of extraneous metal and causing said fused parts to intermingle to form a connection between said bodies.

1,635,218. OIL SEPARATOR. WILLIAM M. LITTLE and JESSIE L. SHERMAN, Norphlet, Ark. Filed Mar. 27, 1926. Serial No. 97,922. 3 Claims. (Cl. 210—54.)



1. An oil separator of the class described including, in combination, a tank, a pipe leading from the tank, a valve seat formed at the inner end of the pipe, a float operable in the tank, a lever pivoted to the float, a valve on the lever associated with the valve seat, and an adjustable fulcrum for the lever.

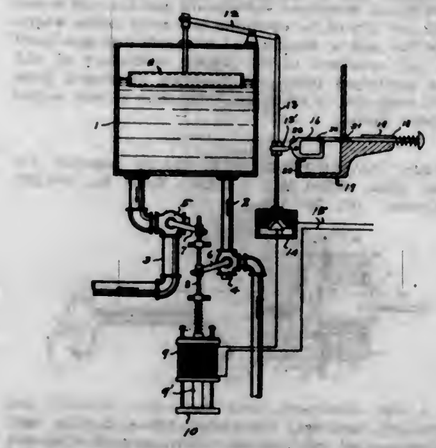
1,635,219. OIL-VALVE ATTACHMENT FOR ENGINE CRANK CASINGS. CHARLES S. LUTES, Saskatoon, Saskatchewan, Canada. Filed Mar. 15, 1924, Serial No. 699,606. Renewed Dec. 6, 1926. 1 Claim. (Cl. 251—134.)



An oil valve attachment for a crank casing including a turned member having a through passage and a reduced end adapted to be secured in the wall of a crank casing; a valve tube carried by the other end of said member; an annular flange carried by the said member; said tube being engaged on said flange; a valve seat carried by said tube; a valve member normally engaged with said valve seat to close said tube; means engaged with said valve member and with said flange of the first mentioned member to resiliently retain said valve member in engagement with said valve seat; a valve opening member for forcing said valve member away from said valve seat to open said valve tube; and means for pivotally mounting said valve opening member on said valve tube.

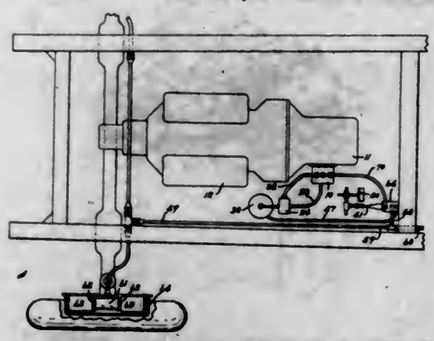
1,635,220. AUTOMATIC OIL PUMP. JOE C. PALMER, Houston, Tex. Filed Mar. 7, 1924. Serial No. 697,684. 2 Claims. (Cl. 221—110.)

1. A device of the character described including a liquid chamber, an inlet line entering the chamber, a delivery line leading therefrom, a valve controlling each line, a weight having connections with said valves and normally holding the outlet valve open and the inlet valve closed, a magnet through the influence of which said connections may be actuated to reverse the position of said valves, when the magnet is energised, an electrical circuit into which the magnet is connected, a switch arranged to complete or break said circuit, a float in said chamber, operative connections through which the float operates the switch into open or closed position, a



device normally holding the switch open, and a manually operable means adapted to release said holding means, to permit the switch to close.

1,635,221. HYDRAULIC BRAKE SYSTEM FOR MOTOR VEHICLES. FRANK C. PEARSON, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 26, 1925. Serial No. 39,834. 10 Claims. (Cl. 303—11.)



3. In a hydraulic braking system for motor vehicles, in combination, a pressure reservoir containing oil and air under pressure, a brake cylinder, a duct leading from said reservoir to said cylinder, a manually operated control valve in said duct operable to permit the actuation of the brake cylinder, a relatively small servo-pump for maintaining a supply of oil and compressed air in said reservoir, and means for returning the oil from the brake cylinder to the inlet of said pump when the brake is released.

1,635,222. FLEXIBLE SOLDER. JEROME PLAUT, Hamilton, Ohio. Filed May 22, 1926. Serial No. 111,066. 3 Claims. (Cl. 118—110.)



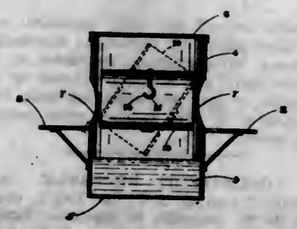
1. As a new article of manufacture, an elongated body of string solder provided at uniform intervals throughout its length with integral panel portions, said panel portions each bearing a permanent legend indicating the alloy of the solder, said panels being consecutively numbered from one end of the body to the other to indicate the number of unit lengths contained between a given end and a given panel.

1,635,223. TOY. HUGO ROST, Dover, N. J. Filed July 31, 1926. Serial No. 126,127. 4 Claims. (Cl. 244—21.)



1. A toy comprising a tube, a parachute secured by strands to one end of the tube and adapted to be stuffed lightly within, one end of the tube being weighted, and a tripping device for expelling the parachute and being released when the tube is positioned with its weighted end down.

1,635,224. TRAP. CHARLES PERCY ROWLEY, Ninette, Manitoba, Canada. Filed Aug. 12, 1924. Serial No. 731,667. 1 Claim. (Cl. 43—69.)



A trap comprising a housing; openings in the opposite sides of said housing; a tubular member open at each end and pivotally mounted intermediate its ends in said housing; the opposite ends of said tubular member being normally in alignment with and in close proximity to said openings in said housing; said housing covering said tubular member to prevent animals from touching said tubular member except through said openings; said tubular member, when turned on its pivotal mounting, closing off retreat through said openings; and a means carried by said tubular member for automatically returning the same to its normal position.

1,635,225. LENS. EWALD K. SCHADT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 7, 1924, Serial No. 718,532. Renewed May 14, 1927. 4 Claims. (Cl. 40—136.)

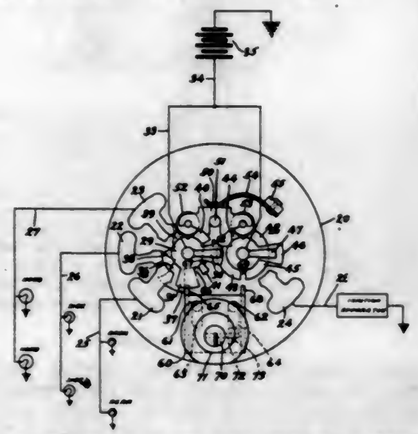
1. A lamp comprising, in combination, a casing, a source of light in the casing, and a glass lens which

has a smooth outer face, a plurality of sets of parallel ridges outlining letters on its inner face, light-refracting parts between the pairs of ridges, and opaque material



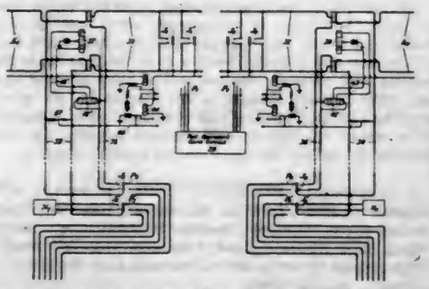
flowed over the entire rear or inner face of the lens except where dammed back by said ridges from covering the letters.

1,635,226. LOCK-CONTROLLED SWITCH. HERMAN SCHWARZE and FENN M. HOLDEN, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 6, 1921. Serial No. 498,931. 10 Claims. (Cl. 200—44.)



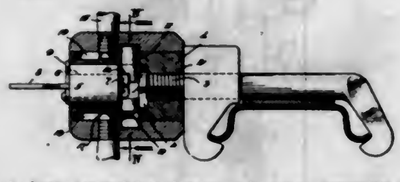
1. In mechanism of the class described, a movable member, locking means for preventing movement of said member beyond, but permitting movement to, a certain predetermined limit, and means positioned by movement of said member to said predetermined limit for causing further movement of said member when released from the locking means.

1,635,227. CORD-CIRCUIT REPEATER. SAMUEL P. SHACKLETON, Wyoming, N. J., and LEE L. GLEZEN, New Brighton, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 7, 1925. Serial No. 61,096. 6 Claims. (Cl. 179—41.)



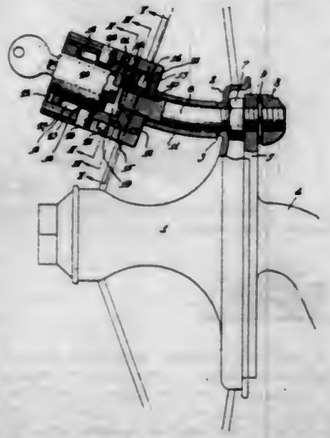
1. A transmission line normally terminating in jacks located at a switchboard position, circuit arrangements associated with said line and terminating in jacks located at a different switchboard position, relay means associated with said line and said circuit arrangements, a cord circuit adapted to be associated with said jacks at said second mentioned switchboard position, and means in said cord circuit for operating said relay means whereby said line will be disconnected from said first mentioned jacks and connected to the talking conductors of said second mentioned jacks and said first mentioned jacks will be connected to the sleeve conductors of said second mentioned jacks.

1,635,228. SPARE-TIRE LOCK. JACOB SOKOLOV, Detroit, Mich. Filed May 3, 1926. Serial No. 106,227. 5 Claims. (Cl. 70—122.)



1. A lock comprising inner and outer rotatable and reciprocable members, retractable means holding said members against reciprocation relative to each other and permitting one member to freely rotate relative to the others and a connection between said members conditioned by reciprocation of one member relative to the other to hold said members for rotation in synchronism so that one of said members may be attached to a support.

1,635,229. SPARE-WHEEL LOCK. JACOB SOKOLOV, Detroit, Mich. Filed Jan. 19, 1927. Serial No. 161,970. 9 Claims. (Cl. 70—90.)



1. The combination of a stationary member having a threaded and grooved end, a rotatable member screwed on said stationary member, a detent in said rotatable member adapted to extend into the groove of said stationary member, a reciprocable sleeve on said rotatable member adapted to cover said detent, and means in said rotatable member adapted to extend into said sleeve and prevent reciprocation thereof.

1,635,230. SPLINT. CHARLES R. SPICER, Hastings, Nebr. Filed Jan. 9, 1926. Serial No. 80,262. 2 Claims. (Cl. 128—87.)

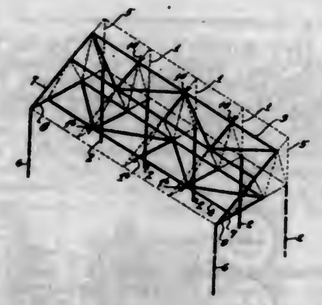
1. An article of the class described, comprising transversely spaced end bands and an intermediate band, means for connecting the ends of each band detachably

together, and a body made up of transversely spaced braces the ends of which are set inwardly from the outer lateral edges of the end bands, whereby the end bands will guard the extremities of the braces, means



for connecting the ends of all of the braces to the end bands, and means for connecting the intermediate band to the above-defined body, the intermediate band extending across all of the braces.

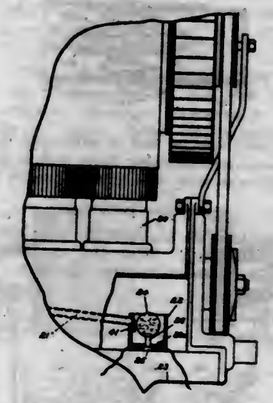
1,635,231. BUILDING CONSTRUCTION. WALTER S. ST. JOHN, New York, N. Y. Filed Nov. 2, 1922. Serial No. 598,616. 8 Claims. (Cl. 108—23.)



1. Building construction embodying a truss to be supported, a fixed fulcrum on which said truss bears, a supporting truss extending transversely of the supported truss and secured to the cantilever truss and upon which supporting truss the supported truss bears in one direction, a second supporting truss also extending transversely of the supported truss but in a different plane than the first supporting truss, said second supporting truss being also secured to the supported truss and upon which second supporting truss the supported truss bears in a different direction than said supported truss bears on the first supporting truss, and means for anchoring the opposite ends of both the supporting trusses.

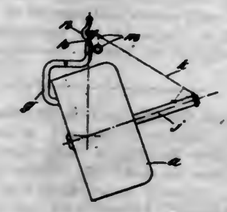
1,635,232. INDICATOR. CALEB E. SUMMERS, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 20, 1922. Serial No. 607,963. 3 Claims. (Cl. 200—84.)

1. In a device of the class described, a vessel and means for supplying a liquid thereto, said vessel having a hole in its bottom wall; a switch; a float located within said vessel and having a rod depending through the hole aforesaid; and means whereby said float may act to close



a circuit controlled by said switch, said vessel having a second unobstructed hole adjacent its lower end and through which liquid may flow therefrom.

1,635,233. APPARATUS FOR LIFTING OUT AND CLEANING CENTRIFUGAL DRUMS. KARL JOHAN SVENSSON, Lidingo Villastad, and KARL AXEL PATRIK NORLING, Sodertorns, Villastad, Sweden. Filed Oct. 4, 1926, Serial No. 139,441, and in Sweden Oct. 13, 1925. 2 Claims. (Cl. 210—73.)

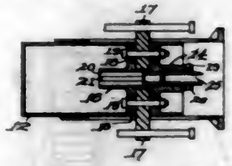


1. A device for lifting out and cleaning a vertical centrifugal drum or that part thereof in which the separated solid impurities accumulate, comprising a single bifurcated link cranked towards one side and adapted at its upper end to be secured to a suitable hoisting arrangement, and means at the lower end of said link adapted to be secured to a part of said drum inside the latter, said means being movable about a horizontal axis which is situated in a vertical plane in which lies the centre of gravity of the drum and which is situated at a suitable distance above said centre of gravity.

1,635,234. FUEL-FEEDING MECHANISM FOR UNDERFEED STOKERS. IRVING A. TAYLOR, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1921. Serial No. 526,370. 3 Claims. (Cl. 110—109.)

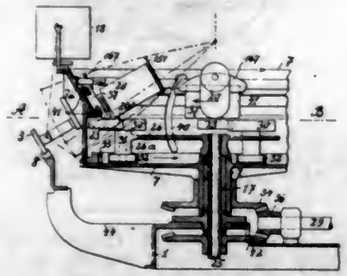
3. In an underfeed stoker, a cylinder, a coal feeding ram slidable therein, a crank shaft, a connecting rod, a yoke pivoted in said ram and having an opening in which

said rod is slidable, said rod having a projection thereon and said yoke having an abutment therein and engaged by said projection at a point within said yoke to limit



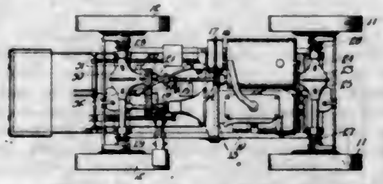
sliding movement of said rod in said yoke in one direction, and means to adjustably limit sliding movement of said rod relative to said yoke in the opposite direction.

1,635,235. BRAIDING MACHINE. CARL TONER, Berlin-Karlshorst, Germany. Filed Dec. 2, 1926, Serial No. 152,179, and in Germany Dec. 8, 1925. 18 Claims. (Cl. 96—6.)



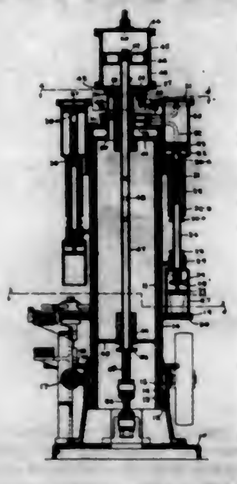
1. In a braiding machine the combination with inner and outer rows of bobbins moving in circular paths but in opposite directions of a roller system for moving the inner bobbins comprising drive rollers rotatable about their axes and about the braiding axis and rollers co-operating with said rollers and carried by the inner bobbin frame and a recess at the circumference of each drive roller adapted to receive the threads from the outer bobbins.

1,635,236. FOUR-WHEEL-DRIVE TRANSMISSION FOR TRACTORS. ROBERT L. TOLSON, deceased, Memphis, Tenn., by John W. Farley, administrator, Memphis, Tenn., assignor to John W. Farley, trustee, Memphis, Tenn. Original application filed Feb. 2, 1921, Serial No. 441,915. Divided and this application filed May 22, 1923. Serial No. 640,795. 1 Claim. (Cl. 180—45.)



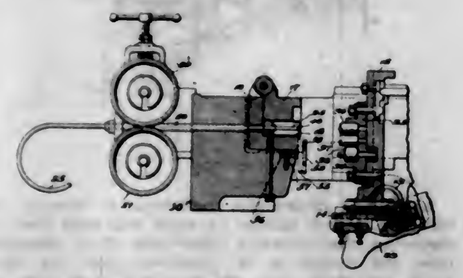
In a motor vehicle, front and rear wheels, differential gearing for the wheels of each set, a driving shaft connected to one of said sets of differential gearing and adapted to be driven from the engine, a driving shaft extending from the other set of differential gearing, means adapted to drive either or both of said shafts positively, a gear loosely mounted on the second driving shaft, a gear on the engine shaft for driving the same, and a drum driven by the first mentioned gear and adapted to drive the steering mechanism of the tractor, substantially as set forth.

1,635,237. SEALING MACHINE. HARRY E. TOWNSEND, Brooklyn, N. Y. Filed Aug. 26, 1919. Serial No. 320,008. 23 Claims. (Cl. 226—82.)



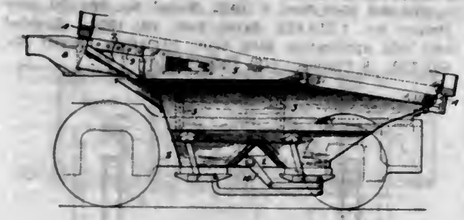
1. In a vacuum sealing machine, an upright column having a hollow interior constituting an exhaust-chamber, a carrier revolubly mounted on the column, a plurality of vacuum-chambers supported by the carrier, a stationary ported valve mounted above the column for controlling communication between the vacuum chambers and the exhanst-chamber, an exhaust pump above the valve, and exhaust connections from the pump to the exhaust-chamber.

1,635,238. NUT MACHINE. RICHARD LESTER WILCOX, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 9, 1924. Serial No. 731,151. 31 Claims. (Cl. 10—76.)



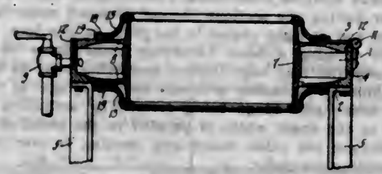
1. In an apparatus of the character described; companion dies movable toward and away from each other, in the outer face of which is a cavity, and extending rearwardly therethrough from the bottom of the cavity is an opening of substantially the same cross section as the rod from which the articles are produced; a punch for upsetting the projecting portion of a rod held between and by the dies, to fill said cavity and at the same time form a depression in the outer face of the upset portion; and another punch separate from the one first mentioned for extending the said depression and thereby forming a hole in the upset portion of the rod within the cavity that forces the material engaged thereby longitudinally between the said dies without severing the same from the rod, said dies being held together under lateral pressure while the first mentioned punch is in engagement with the rod and separated slightly when the second mentioned punch is forming the opening.

1,635,239. LOCOMOTIVE ASH PAN. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed Feb. 20, 1925. Serial No. 10,499. 10 Claims. (Cl. 105—37.)



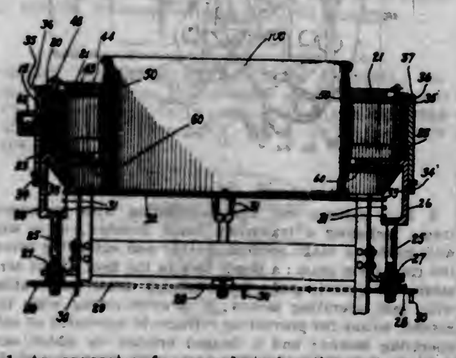
1. A locomotive ash pan structure carried by a truck beneath the fire box in position to receive the discharge of ashes from the fire box in all positions of the truck.

1,635,240. APPARATUS FOR MANUFACTURING TIRES. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Apr. 25, 1924. Serial No. 708,838. 5 Claims. (Cl. 154—10.)



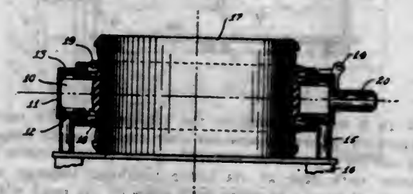
1. A tire shaping apparatus comprising a non-collapsible hollow annular chamber having at its open inner periphery primary and secondary sealing members adapted respectively to initially and finally engage the beaded portions of a casing of a pulley band during its shaping treatment, and means for evacuating said chamber, the primary sealing members being airtightly secured to the chamber and extending laterally from opposite sides thereof sufficiently to make operative sealing engagement with the beaded margins of a casing at the commencement of a shaping treatment thereof.

1,635,241. VACUUM SHAPING MACHINE FOR STRAIGHT-SIDE TIRES. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan and Wright, Detroit, Mich., a Corporation of Michigan. Filed Oct. 22, 1925. Serial No. 64,143. 19 Claims. (Cl. 154—10.)



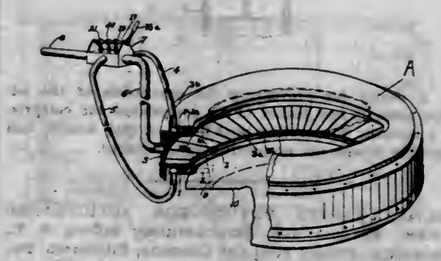
1. An apparatus for manufacturing tire casings comprising a hollow annular chamber open on its inner periphery and having top and bottom walls the inner margins of which are of a diameter greater than the bead diameter of the casing being manufactured, shiftable means for extending said walls to vary their inner girth and to provide initial contact with said casing and form with said casing a closure for the open side of said chamber, and means for exhausting said chamber.

1,635,242. TIRE-SHAPING APPARATUS. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed July 30, 1926. Serial No. 125,932. 8 Claims. (Cl. 154—10.)



1. A tire shaping apparatus comprising a hollow annular chamber having relatively fixed top and bottom walls on the inner edges of which a casing is adapted to be finally sealed, said inner edges being of a diameter greater than the bead-diameter of the casing which is to be shaped, means for exhausting air from the chamber, and initinl sealing means supported in proximity to and of smaller internal diameter than said inner edges of the chamber.

1,635,243. VACUUM SHAPING MACHINE FOR TIRES. ADRIAN O. ABBOTT, Jr., Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Oct. 6, 1926. Serial No. 139,828. 18 Claims. (Cl. 154—10.)

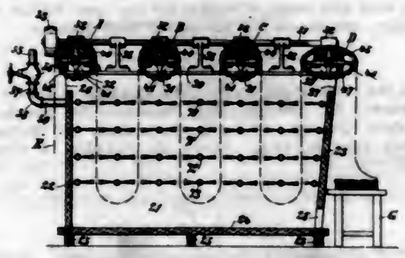


1. An apparatus for manufacturing tire casings comprising in combination means for applying a differential pressure to opposite faces of a pulley-band to transform it to approximate tire form, yielding means for maintaining a seal with a face of the pulley-band during its shaping, and means for varying the girth of said yielding means.

1,635,244. CLEANING COMPOSITION AND METHOD OF MAKING SAME. BROADUS BAILEY, Greenville, S. C. Filed Jan. 24, 1927. Serial No. 163,316. 4 Claims. (Cl. 87—5.)

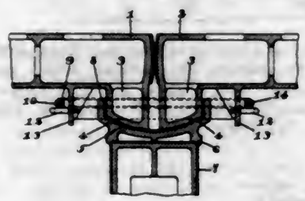
1. A preparation for cleaning oil painted surfaces, tile, enamel and the like, comprising substantially 7.50 parts by weight of sodium bicarbonate, 37.00 parts by weight of sodium silicate, 7.50 parts by weight of an impalpably powdered abrasive material, 14.50 parts by weight of soap 27.00 parts by weight of water, and 6.30 parts by weight of glycerine.

1,635,245. WASHING MACHINE. OSCAR BRÄNDLI, Philadelphia, Pa. Filed Oct. 7, 1924. Serial No. 742,133. 2 Claims. (Cl. 8—19.)



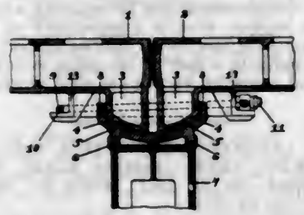
1. In a washing machine the combination of a casing, a plurality of reels journaled over the casing to suspend and convey a band of material to be cleaned, in a serpentine path free at its lower portions, through said casing and means to spray both sides of the band with a cleaning fluid while being conveyed through the casing.

1,635,246. SAFETY DEVICE FOR ARTICULATED CARS. FRANCIS MCF. BRINCKERHOFF, Suffern, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed May 2, 1927. Serial No. 188,117. 7 Claims. (Cl. 105—4.)



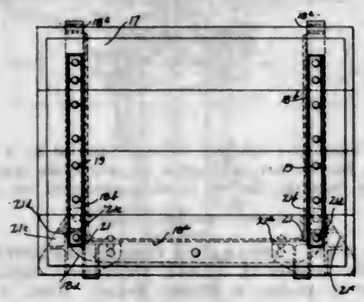
1. A device for preventing the separation of the adjacent ends of two bodies of an articulated car comprising a member cooperating with both of said bodies, and removable means for supporting said member.

1,635,247. SAFETY DEVICE FOR ARTICULATED CARS. FRANCIS MCF. BRINCKERHOFF, Suffern, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed May 2, 1927. Serial No. 188,118. 4 Claims. (Cl. 105—4.)



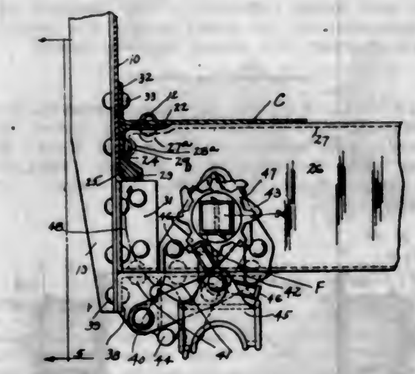
1. A device for preventing the separation of the adjacent ends of two bodies of an articulated car comprising a flexible member having its ends connected to form a loop, the connection between said ends being separable.

1,635,248. DUMP CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Nov. 8, 1922, Serial No. 599,632, now Patent No. 1,515,833, dated Nov. 18, 1924. Divided and this application filed Sept. 10, 1923. Serial No. 661,752. 8 Claims. (Cl. 105—280.)



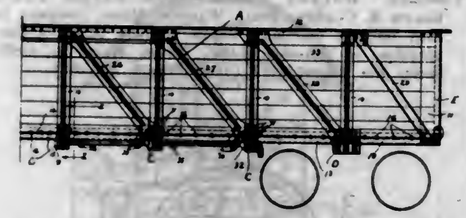
1. In a hinged dump door for railway cars, reinforcing means therefor comprising a continuous angle shaped member having the sections thereof disposed respectively parallel and at right angles to the plane of the door, said member forming a beam extending transversely of the door near the free edge thereof and being bent to form longitudinally extending members having hinges at their outer ends; said hinge being formed by extending the flange of the angle which is parallel to the plane of the door beyond the other flange and bending it over itself and welding the joint.

1,635,249. RAILWAY CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1924. Serial No. 734,841. 5 Claims. (Cl. 105—244.)



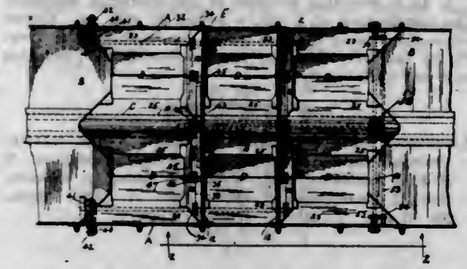
1. In a railway car, the combination with an underframe including a transverse beam member; of a side wall having a stake secured thereto and extending below the transverse beam; a dump door in the floor of the car; means for operating the door; ratchet means cooperating with said operating means; a pawl co-acting with the ratchet means for preventing retrograde movement of said operating means; and a flanged bracket on which said pawl is pivotally mounted, said bracket being secured by its flanges respectively to the transverse beam and to the downwardly extending portion of the side stake.

1,635,250. CAR SIDE CONSTRUCTION. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1924. Serial No. 734,842. 8 Claims. (Cl. 105—244.)



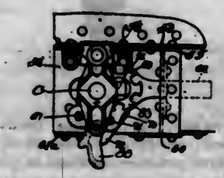
1. In a railway car, the combination with the transverse members of the underframe; of a trussed side including an upper chord, a lower chord, vertical members and diagonal members, said vertical members and diagonal members being extended downwardly below the lower chord and secured to the transverse members of the underframe and to the lower chord, said lower chord having a horizontal flange in engagement with the crossbeams and having vertical portions extending above and below said horizontal flange.

1,635,251. HOPPER CAR AND THE LIKE. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1924. Serial No. 737,343. 17 Claims. (Cl. 105—251.)



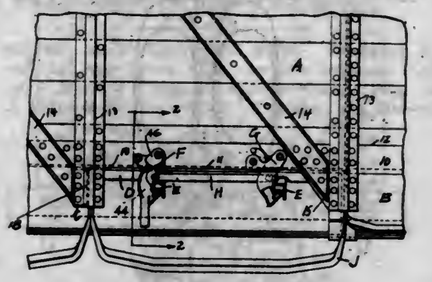
1. In a dump car having a hopper, the combination with a diverting member hinged adjacent the bottom of said hopper, swingable to divert material in different directions; of supporting means for the swinging edge of said diverting member, said supporting means being disposed only at the ends of the member; and a stiffening beam for the edge of said member adapted to bridge the distance between said respective end supports.

1,635,252. RAILWAY CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 16, 1925. Serial No. 15,748. 8 Claims. (Cl. 105—301.)



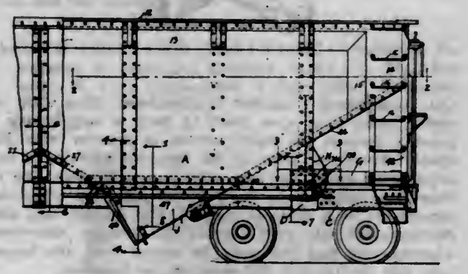
1. In a dump car, the combination with a bodily translatable door operating shaft; of a toothed wheel on the shaft; a fulcrum disposed on the car structure above the shaft; a lever member carried by said fulcrum; and means carried by the lever adapted to engage the toothed wheel to rotate the shaft.

1,635,253. DUMP CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1925. Serial No. 30,416. 9 Claims. (Cl. 105—308.)



1. In a dump car, the combination with a dumping door; of a plurality of shouldered locking hooks adapted to supportingly engage the door, said hooks being adapted to move in the same direction in and out of supporting engagement with the door; a bar connecting the hooks; a slotted connection between the bar and one of said hooks whereby said hook may have a limited degree of independent movement relatively to the bar; and means whereby the locking of said independently movable hook will also lock the remainder of the hooks.

1,635,254. CAR CONSTRUCTION. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1926. Serial No. 110,392. 16 Claims. (Cl. 105—249.)

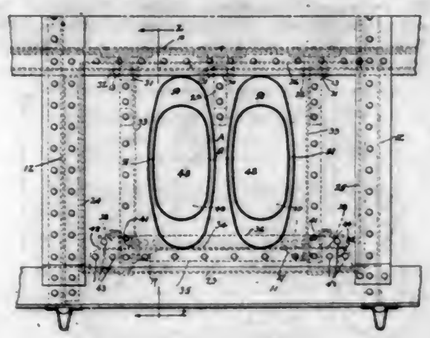


1. In a dump car having a discharge opening, the combination with a side wall having a vertical portion and an inwardly directed lower marginal portion; of a hopper section extending below the said marginal portion; said hopper section being defined by a tranaversely extending wall and a longitudinally extending wall, said longitudinal wall being formed to overlie the inwardly directed portion of the car side, and extended upwardly above the same and secured to the vertical wall portion of the car side.

1,635,255. DUMPING DOOR FOR RAILWAY CARS AND THE LIKE. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 16, 1925, Serial No. 15,748. Divided and this application filed July 29, 1926. Serial No. 125,609. 14 Claims. (Cl. 105—280.)

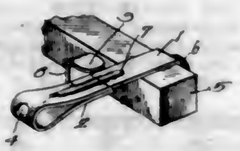
1. In a railway car, the combination with means defining a dumping opening; of door braces extending trans-

versely of said door; a Z bar having one flange connected to said door plate adjacent one longitudinal edge thereof, said Z bar having its ends spaced a small distance from



said door braces; and bracing means having a portion connected to the other flange of said Z bar and to the respective door braces.

1,635,256. TERMINAL CONNECTER. ALVA J. CARTER, Chicago, Ill., assignor to Carter Radio Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1924. Serial No. 686,764. 2 Claims. (Cl. 173—259.)



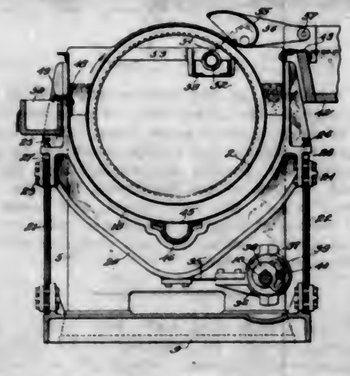
1. A terminal connecter in the form of a strip of spring metal bent upon itself to form a loop having a passage through its bight portion in register with the space between the sides of the loop for receiving a terminal with which the loop sides are engageable, one of these loop sides being continued beyond the other for attachment to a suitable support, the shorter loop side having a thumb piece extending laterally therefrom whereby this loop side may be moved from the longer loop side to facilitate the entry of the terminal.

1,635,257. SELF-LUBRICATING BRUSH FOR ELECTRICAL APPARATUS. CHARLES E. CHAPIN, Greenwich, Conn.; Franklin G. Chapin and Robert C. Glazier executors of said Charles E. Chapin, deceased. Filed Nov. 2, 1920. Serial No. 421,267. 8 Claims. (Cl. 171—325.)



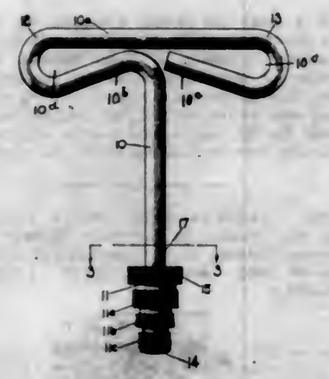
8. The process of making a brush for use with electrical apparatus which comprises applying a lubricating metal to a portion of wire screen, folding said screen to form a block, covering the same with an exterior layer of uncoated screen and compressing said screen to form a brush.

1,635,258. ROTARY SCREEN FOR PAPER PULP. RALPH S. CLARKE, South Walpole, Mass., assignor to Bird Machine Company, South Walpole, Mass., a Corporation of Massachusetts. Filed May 19, 1925. Serial No. 31,297. 12 Claims. (Cl. 92—36.)



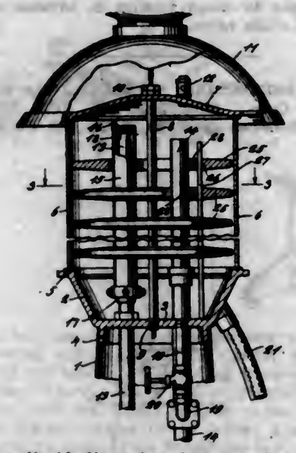
1. In a screening machine of the character described, the combination of a vat, a screen in said vat, flexible supports forming the sole means for sustaining said vat in its operative position, and mechanism for vibrating said vat horisontally.

1,635,259. CYLINDER-HEAD-LIFTING TOOL. JAMES VERNER CRITCHLEY, Worcester, Mass., assignor to Walden-Worcester, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1926. Serial No. 87,498. 2 Claims. (Cl. 16—114.)



1. A lifting handle for cylinder heads comprising a shank, a member rotatably secured thereon adapted to fit various standard practice openings in the cylinder head without deforming said openings, and means for causing a non-rotative engagement between said shank and member, said shank being freely rotatable when said member is normally engaged to a cylinder head.

1,635,260. LIQUID-DISPENSING DEVICE. EMORY CROUSE, Wichita, Kans. Filed Aug. 16, 1926. Serial No. 129,341. 12 Claims. (Cl. 221—100.)



6. In a liquid dispensing device having a measuring bowl, the combination of a plurality of filler means located within the bowl and fixedly spaced along the axis thereof for the purpose of reducing the capacity of the bowl per unit length at spaced points.

1,635,261. PENCIL MOLD. CHARLES E. DANIELS, Sandusky, Ohio, assignor to The American Crayon Company, Sandusky, Ohio, a Corporation of Ohio. Filed Nov. 13, 1926. Serial No. 148,155. 2 Claims. (Cl. 18—34.)



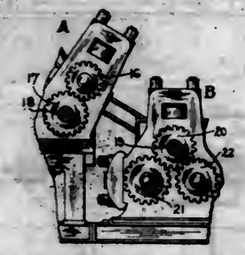
1. A pencil mold comprising a plurality of mold units, each having a series of chambers open at one of their ends to receive a plastic mass and provided with a central recess at the other end of each mold chamber to receive one end of a pencil lead, means for rigidly securing a plurality of the mold units in connected relation, and means adapted to be removably connected with each mold unit and extending over the open ends of the mold chambers to support the other ends of the pencil leads.

1,635,262. BOX-FILLING MACHINE. JOSEPH C. DONNELLY, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1925. Serial No. 29,801. 2 Claims. (Cl. 198—24.)



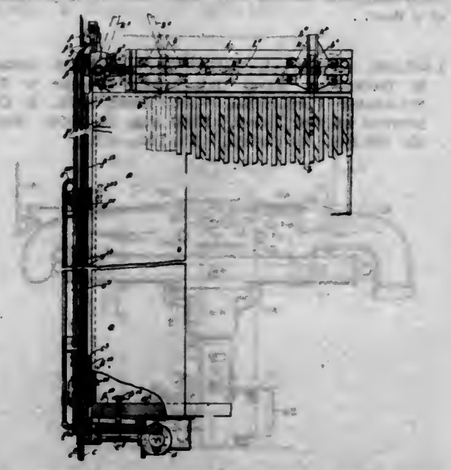
1. In a box-filling machine having an intermittently movable carrier for match trays, a tray supply trough located laterally and extending longitudinally of the carrier and having a curved delivery portion of sufficient radius and length leading to the path of the carrier, a push pawl adjacent the receiving end of the trough, a reciprocating support for said pawl, means for guiding said member parallel with the body of the trough, a push pawl adjacent the curved delivery portion of the trough, a radius arm carrying the latter pawl and movable in an arc substantially concentric with that of the said delivery portion of the trough, a rod flexibly connecting said arm with the said support, and means for oscillating said arm in timed relation to the travel of the carrier.

1,635,263. CANE-GRINDING MILL. FRANKLIN FARREL, JR., New Haven, Conn., assignor to Farrel Foundry & Machine Company, Ansonia, Conn. Filed May 2, 1921. Serial No. 465,958. 3 Claims. (Cl. 100—47.)



1. A cane mill having a top roll, a cane roll and a bagasse roll, all of said rolls being provided with annular grooves, the grooves of the top and bagasse rolls being of the same pitch but offset so that the ribs of one of said two rolls extend into the grooves of the other, and the grooves of the cane roll being finer than the grooves of the top and bagasse rolls, the top roll and bagasse roll being set closer to each other than to the cane roll, and means for driving the top roll and the bagasse roll at substantially greater surface speed than that of the cane roll, thereby effecting a frictional shredding action upon the cane passing between the top roll and the cane roll.

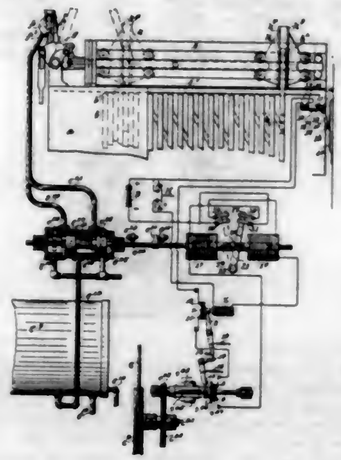
1,635,264. ELEVATOR. JOHN DARBY, Philadelphia, Pa., assignor to Shur Loc Elevator Safety Co. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 24, 1925. Serial No. 77,441. 12 Claims. (Cl. 187—52.)



5. In an elevator, the combination of a door, a traveller, a swinging spring retracted jaw carried by the traveller and adapted to engage the door, said jaw hav-

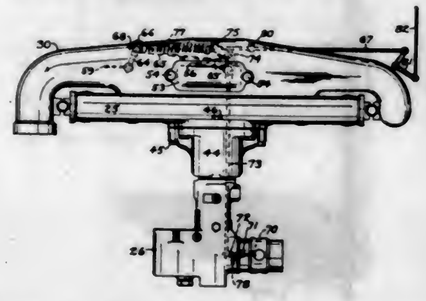
ing an operating arm, a movable bar mounted in proximity to the path of the movement of the traveller and having a slot for co-operation with said arm, means to operate the traveller, and devices actuated in the initial movement of said means to move the bar thereby to move the jaw into operative position.

1,635,265. ELEVATOR. JOHN DARBY, Philadelphia, Pa., assignor to Shur Loc Elevator Safety Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 5, 1926. Serial No. 92,425. 19 Claims. (Cl. 187—52.)



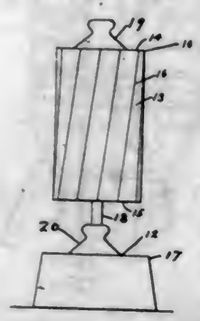
16. In an elevator, the combination of a car, a door, a door operating motor and intermediate connections to effect movement of the door, a source of power to supply motor fluid under pressure to the motor, a valve to determine the transmission of pressure to the motor, electromagnetic devices to shift said valve, circuit connections and contacts actuated as the car comes to rest at any point to control the operation of said electromagnetic devices to effect the opening movement of the door, and circuit connections and contacts actuated by the positioning of the car at a floor to permit the operation of said electromagnetic devices only when the car is positioned at a floor.

1,635,266. INTERNAL-COMBUSTION ENGINE. GEORGE R. DAVENPORT, Royal Oak, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Aug. 28, 1926. Serial No. 132,198. 14 Claims. (Cl. 123—122.)



1. In a manifolding system for an internal combustion engine, a valve for directing exhaust gases into contact with the intake manifold, longitudinally movable means for regulating the position of said valve, and a carbureter choke valve co-operatively associated with said means and controlled thereby, said valve being movable from open to closed position in advance of movement of said choke valve.

1,635,267. REFLECTING SIGNAL. ADOLF FEINBERG, Hartford, Conn. Filed Sept. 19, 1925, Serial No. 57,476. Renewed Nov. 20, 1926. 1 Claim. (Cl. 88—1.)



A reflecting signal in the form of a column of vertically elongated form and having a periphery of reflective character, said column having the cross-section from top to bottom of equilateral polygonal form, involving a plurality of facets that extend from said top to said bottom, and the lateral edges of said facets in extending from said top to said bottom following along helical lines.

1,635,268. LAMP-SHADE HOLDER. ERNEST FURST and SAMUEL TAVE, New York, N. Y. Filed Feb. 21, 1925. Serial No. 10,809. 5 Claims. (Cl. 240—128.)



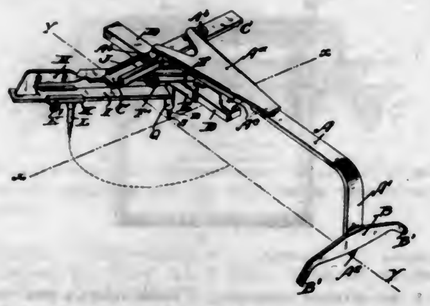
1. The combination of a frame, a clamping bar with its ends fastened to the frame, said bar having a central portion with an opening, and said central portion having a clearance opening extending therethrough, a cam extending from said bar, and a lamp socket having a sleeve located in the opening of said central portion, said bar adapted to be locked in place by said cam.

1,635,269. FLEXIBLE CHAIN, BRACELET, OR THE LIKE. ROBERT S. GRANT, Providence, R. I., assignor to R. S. Grant Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 25, 1927. Serial No. 170,997. 5 Claims. (Cl. 59—78.)



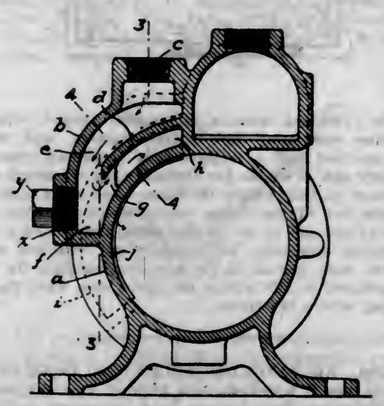
1. A chain, band, bracelet or linkage comprising a plurality of link-elements constructed of celluloid or similar composition and metal hinge-members having portions embedded in the material of the link elements to connect them together.

1,635,270. DRAFTING ELLIPSOGRAPH. DAVID GRIEVE, Detroit, Mich. Filed Jan. 31, 1927. Serial No. 164,719. 2 Claims. (Cl. 33—31.)



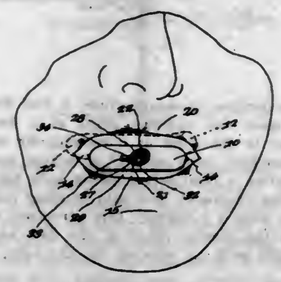
1. In an instrument of the class described, a supporting bracket having means adapted to register with a line representing one axis of an ellipse; a transverse bar secured to the projecting end of said supporting bracket; a bar parallel with and rigidly secured to the supporting bracket in spaced relation to the latter; a slidable element adapted to traverse the transverse bar; a swinging beam provided with a bracket arm parallel to and spaced from the beam; means for pivoting the slidable element carried by the transverse bar to the bracket of the swinging beam; a pair of elements pivoted to each other and respectively slidably mounted upon the bar rigidly secured to the supporting bracket and the bracket arm of the swinging beam, said slidable element carried by the bracket arm of the swinging beam having means for securing it to said arm when adjusted; a post rigidly secured to the bar carried by and parallel with said supporting bracket; and an adjustable slidable element fitted with a scribing point mounted upon the swinging beam including means for securing said fitting when adjusted to the swinging beam.

1,635,271. VACUUM PUMP. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 12, 1925. Serial No. 49,688. 3 Claims. (Cl. 230—30.)



1. In a vacuum pump, the combination with a pump housing and a casing interior thereto and spaced therefrom and providing an arcuate air space between them, the casing having an air inlet at one end of said space, the other end of said space being closed, of a web extending between the housing and casing from the end of said space adjacent the air inlet toward but terminating short of the closed end of said space, there being lateral outlets, communicating with the interior of the pump housing, from that part of said space between said web and the housing, thereby providing a confined and tortuous passage for air through said space back and forth in opposite direction and laterally from between the web and the pump housing.

1,635,272. DEVICE FOR CORRECTING RESPIRATION. KARL HÄRTL, Chicago, Ill. Filed May 14, 1926. Serial No. 109,194. 2 Claims. (Cl. 128—136.)

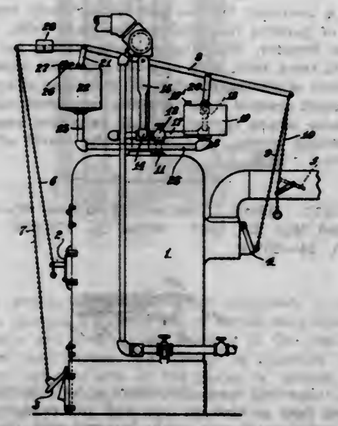


1. A device for correcting respiration including a body having portions shaped to accommodate portions of the mouth, and a check valve, said body having a transversely extending bore formed centrally therein for the accommodation of the check valve, said check valve including a slotted head, and a valve disc confined in the head and adapted to obstruct passage through the slots of the head whereby to prevent inhaling.

1,635,273. FOOD PRODUCT. ELAM G. HESS, Manheim, Pa. Filed Aug. 5, 1926. Serial No. 127,484. 2 Claims. (Cl. 99—11.)

2. A pecan-nut food product composed of a loose mass of flaky particles of substantially uniform thickness.

1,635,274. PRESSURE REGULATOR. MOSES G. HUBBARD, Chatham, N. J. Filed Jan. 8, 1926. Serial No. 80,035. 9 Claims. (Cl. 236—26.)



1. Damper controlling means for boiler furnaces comprising a water supply tank, a steam connection from the boiler to said tank, a second tank connected to said sup-

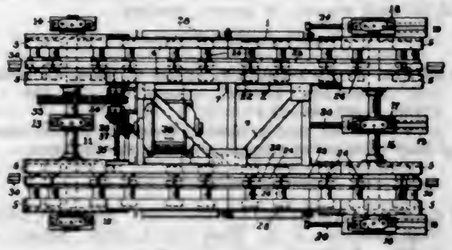
ply tank to permit water to flow from one tank to the other, a lever to which said tanks are pivotally connected on opposite sides of the fulcrum, and connections between said lever and the dampers for opening or closing the latter according to the pressure of the steam.

1,635,275. PAD FOR DENTAL USE. ALBERT BAXTER JOHNSON, New Britain, Conn. Filed Feb. 23, 1922. Serial No. 538,703. 1 Claim. (Cl. 128—1.)



As a new article of manufacture, a pad for use as a packing between the end-face edges of a dental nozzle and the face in the form of a rectangular structure of plain flat material, being entirely of cotton, comprising in the cross-section a relatively yielding body for the major portion of the thickness, and said yielding body merging at one face with a relatively firm structure that serves to maintain the general shape of the pad, and said pad being provided with an opening for the nose.

1,635,276. CHAIN RAIL-CAR CONVEYER. GEORGE M. JOHNSON, Jeannette, Pa., assignor to Fort Pitt Mine Equipment Company, Jeannette, Pa., a Corporation of Pennsylvania. Filed Aug. 22, 1924. Serial No. 733,528. 11 Claims. (Cl. 104—137.)



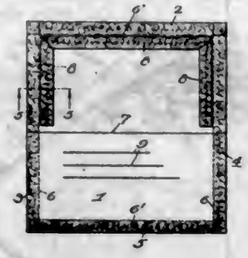
1. A conveyer for the purpose set forth comprising a pair of parallel disposed endless track rails, supporting means therefor, operating means providing for the travel of said track rails, each of said track rails consisting of a plurality of alternately disposed elongated bifurcated links and short tenoned links pivotally connected together, and rotatable means carried by said rails and engaging said supporting means to facilitate the travel of said rail therein.

1,635,277. HOOK. PERCIVAL W. JONES, Warwick, R. I. Filed Mar. 26, 1927. Serial No. 178,677. 8 Claims. (Cl. 24—233.)



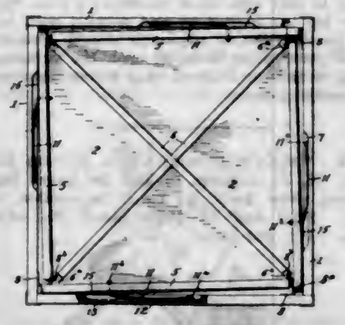
1. A bracelet hook comprising a body having a shank formed into a hook at one end for engaging the bail of a wrist watch and means integral with the shank for extending a substantial distance beyond the bail engaging portion of said hook to close the opening between the watch and the hook.

1,635,278. ENVELOPE. HARRY E. KAPLAN, Chicago, Ill. Filed Sept. 8, 1925. Serial No. 54,862. 4 Claims. (Cl. 229—73.)



1. An envelope comprising a blank foldable into front and back half sections and provided with weakened lines parallel with the respective edges of the blank, said blank being gummed between the weakened lines and the respective edges of the blank, and foldable gummed resealing flaps carried by one of the sections of the blank and extending along the weakened lines thereof at the inner sides of said lines.

1,635,279. FOLDING TABLE. WILLIAM J. KING, Portland, Me., assignor to The E. T. Burrowes Company, Portland, Me., a Corporation of Maine. Filed Feb. 16, 1922. Serial No. 537,008. 3 Claims. (Cl. 45—11.)

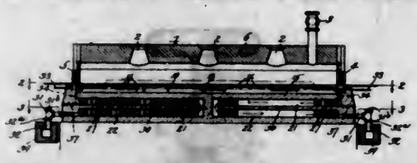


1. In a folding table, a rectangular shaped supporting frame comprising bars secured together, said frame being provided with a longitudinally extending recess in the under side of a side bar thereof, a leg connected with the frame to fold within the same close along side the said side bar of the frame, and a brace pivotally connected at one end to one of said parts and having a sliding pivotal connection at its other end with the other part, the main portion of the brace intermediate its ends being adapted to fold within the said recess when the leg is folded within the frame.

1,635,280. RECTANGULAR SOLE-FIRED COKE OVEN. ALEXANDER S. KNOWLES, New York, N. Y., and CHARLES V. MCINTIRE, East Orange, N. J., assignors to Tar & Petroleum Process Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1925. Serial No. 53,888. 5 Claims. (Cl. 202—9.)

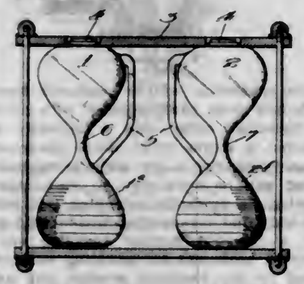
1. In a horizontally elongated, rectangular, sole-fired coke oven with an oven chamber adapted to be sealed against the admission of air, the combination of a plurality of combustion flues arranged side by side under-

neath the sole of the oven for heating it, a regenerator connected with each end of each of said flues, for supplying preheated air to opposite ends of each of said flues



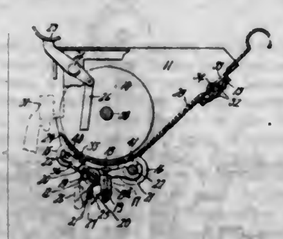
and a gas supplying means at each end of each of said flues, for supplying each flue with gas at opposite ends thereof.

1,635,281. VISCOSOMETER. CLIFFORD M. LARSON, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,399. 1 Claim. (Cl. 265—11.)



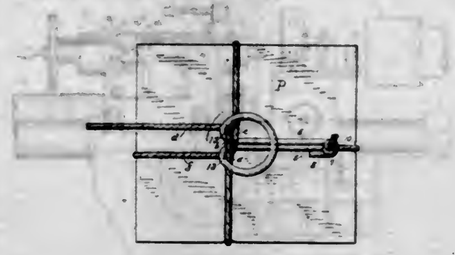
A device for ascertaining relative fluid viscosity, comprising separated upright containers of similar configuration means whereby the containers are mounted so that the whole structure may be manipulated as a unit each container having upper and lower bulbous portions connected by a constricted orifice, each being also provided with an opening for receiving or discharging liquid, and pressure equalizing communicating means between the upper and lower bulbous portions.

1,635,282. TYPEWRITING MACHINE. JOSEPH LINDAUER, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 9, 1925. Serial No. 61,404. 7 Claims. (Cl. 197—127.)



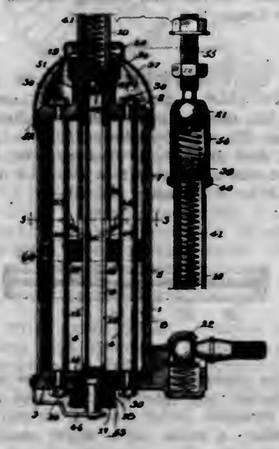
1. The combination with a front-strike typewriting machine having a revoluble platen and releasable feed-rolls therefor, of a chute or table at the introductory side of the platen for conducting a work-sheet to the feed-rolls, said table being slidably mounted upon a stationary member and extending forwardly and downwardly, and then under the platen in close proximity thereto, and terminating with a flared-out edge below the printing line, means controlled by the feed-rolls to concomitantly move the underlying portion of the table away from the platen when the feed-rolls are released, so as to form an opening between the flared-out edge of the table and the periphery of the platen, and means for restoring the position of the table when the feed-rolls are moved to their effective positions.

1,635,283. STRING FASTENER. CHARLES J. LIPPOLD, Washington, D. C. Filed Oct. 11, 1924. Serial No. 743,089. 2 Claims. (Cl. 24—18.)



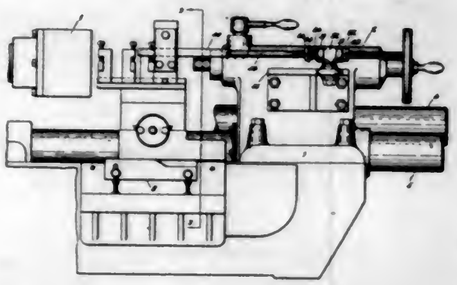
1. In a device of the character described, a length of wire including two substantially straight and parallel sections, a horse-shoe-shaped loop at one end of said sections and having its main bight portion overlying and spaced from these sections, a string-attaching loop formed on one of said sections and embracing the other of said sections, the said straight and parallel sections lying against one another, the end of one of these sections terminating a distance from the end of the loop formed by the end of the other of said sections, thus providing an opening through which a string can be passed longitudinally, and from which the string cannot pass laterally.

1,635,284. SHOCK ABSORBER. LOUIS L. LOMAX, Houston, Tex. Filed Aug. 26, 1926. Serial No. 131,683. 13 Claims. (Cl. 188—88.)



1. In a device of the character described, a casing adapted to contain a fluid, a piston within said casing, a hollow piston rod open to the interior of the casing on one side of said piston and having an aperture in its wall on the opposite side of the piston, a tubular valve mounted in said casing and extending into said hollow piston rod, said valve having a slot in its wall adapted to register with the aperture in said piston rod, said casing and said piston rod being adapted to be connected to relatively movable parts of a vehicle.
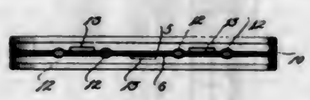
1,635,285. TAPER-TURNING ATTACHMENT. JOHN E. LOVELY, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a Corporation of Vermont. Filed Oct. 16, 1922. Serial No. 594,910. 18 Claims. (Cl. 82—17.)



1. A device of the class described, comprising a tool movable axially of and from and toward work, a second tool movable with said first tool axially of the work and from and toward the work independently of said first tool, and means for moving said tools toward and from the work as both tools move axially of the work.

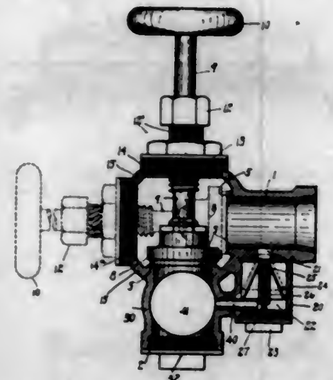
10. A device of the class described, comprising an axially movable and rockable bar, a tool carriage fixed to said bar to be traversed relative to work by the axial movement of said bar and to be moved toward and from the work by the rocking of said bar, a tool fixed to said carriage, a ram slidable transversely of said carriage toward and from the work, a tool carried by said ram, a former bar against which the outer end of said ram bears and along which it rides as the carriage is traversed, a spring urging said ram against said bar, and a member carried by said carriage and bearing against the opposite face of said former bar.

1,635,286. HEAT-DISTRIBUTING PLATE FOR COOKING UTENSILS. ELMER P. MCCLURE, Western Springs, Ill., assignor to Aluminum Products Company, La Grange, Ill., a Corporation of Illinois. Original application filed Jan. 28, 1926, Serial No. 84,271. Divided and this application filed Sept. 15, 1926. Serial No. 135,502. 4 Claims. (Cl. 53—1.)



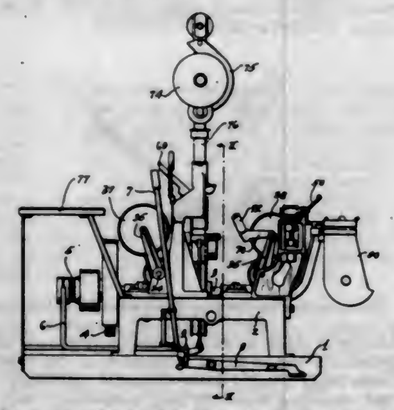
1. A valve connection of the character described including a hollow body part provided with an upwardly extending threaded collar and a laterally extending threaded collar, a steam outlet sleeve connected to the body, arranged opposite to the laterally extending collar and provided with a valve seat, a cross-shaped hollow member having its upwardly extending leg connected to the hollow body and terminating within said body in a valve seat, a threaded member engaging one of said collars, a valve head and an operating member for the same carried by the threaded member and adapted to engage one of said valve seats, the laterally extending arms and the depending leg of the cross-shaped member being provided with openings to permit steam to be fed into the cross-shaped member, and caps closing certain of said openings.

1,635,287. VALVE. JOSEPH F. PARKER, Cincinnati, Ohio; John Robert Burgamy administrator of said Joseph F. Parker, deceased. Filed Mar. 14, 1921. Serial No. 452,384. 2 Claims. (Cl. 277—54.)



2. A valve connection of the character described including a hollow body part provided with an upwardly extending threaded collar and a laterally extending threaded collar, a steam outlet sleeve connected to the body, arranged opposite to the laterally extending collar and provided with a valve seat, a cross-shaped hollow member having its upwardly extending leg connected to the hollow body and terminating within said body in a valve seat, a threaded member engaging one of said collars, a valve head and an operating member for the same carried by the threaded member and adapted to engage one of said valve seats, the laterally extending arms and the depending leg of the cross-shaped member being provided with openings to permit steam to be fed into the cross-shaped members, caps closing certain of said openings, an auxiliary pipe communicating with the steam outlet sleeve and the cross-shaped member, and a check valve arranged in the auxiliary pipe for closing said communication.

1,635,288. WRAPPING MACHINE. PAUL PIERCE, Chicago, Ill., assignor to Pierce Wrapping Machine Company, a Corporation of Illinois. Filed Mar. 25, 1926. Serial No. 97,190. 9 Claims. (Cl. 242—6.)



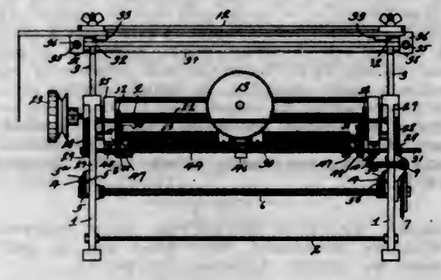
1. In a wrapping machine for annular articles, a pair of article supporting and driving rolls, means for driving said rolls, and supporting means for said rolls permitting the same to be freely rotated in one direction independently of said driving means.

1,635,289. COLLAPSIBLE DRILL PIPE. DAN J. SCOTT, Long Beach, Calif. Filed May 15, 1924. Serial No. 713,544. 7 Claims. (Cl. 255—28.)



1. A collapsible drill pipe for wells, comprising a plurality of concentric pipes adapted to be locked together in collapsed and extended positions, and slidable locking members resiliently supported in certain of said pipes.

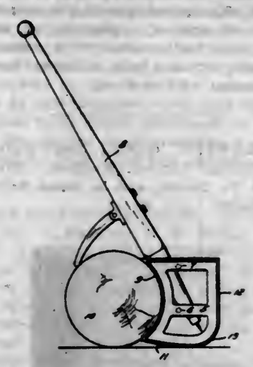
1,635,290. SAWING MACHINE. LEONARD B. SKOGLUND, Fremont, Nebr. Filed June 9, 1926. Serial No. 114,697. 3 Claims. (Cl. 143—6.)



1. The combination with a sawing machine comprising a frame, a rockable auxiliary frame mounted in the first mentioned frame, a drive shaft rotatably mounted in the auxiliary frame, a saw mandrel, a gear carried by the saw mandrel, a gear slidably keyed on the drive shaft and meshing with the mandrel gear, a rotatable feed screw carried by the auxiliary frame, driving connections between the ends of the feed screw and the drive shaft, clutch elements cooperating with said driving connections, and reversing mechanism cooperating with said clutch elements whereby when the mandrel reaches a predetermined position in its movement in either direction, the direction of rotation of the feed screw will be reversed.

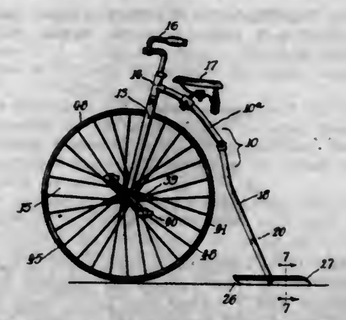
1,635,291. POLE-FRAMING JACK. ARTHUR M. SMITH, Alhambra, and ALMER W. RHOADES, Los Angeles, Calif. Filed Aug. 2, 1926. Serial No. 126,596. 8 Claims. (Cl. 254—94.)

1. A pole framing pack comprising a cradle having a straight peripheral portion adapted for a base, a concave peripheral portion opposite the base adapted for a pole seat, a convex peripheral portion extending from the base adapted for a rocker, and associated means including laterally extending spaced projections whereby the cradle



may be engaged and rolled upon its rocker to an upright position on its base by a cant-hook while holding a pole against the pole seat by said means.

1,635,292. ICE CYCLE. ETHEL M. SMITH and SAMUEL BREESE SMITH, Chicago, Ill. Filed Dec. 10, 1925. Serial No. 74,428. 3 Claims. (Cl. 208—161.)



1. A wheel having an arcuate channel member secured to its periphery, said channel member having its sides projecting outwardly, said sides being cut to form ice gripping teeth therein, and having an arcuate T-shaped member on its periphery at the end of the channel member, the leg of the T extending outwardly in the plane of the wheel to form an ice runner, said runner extending circumferentially a short distance between the ice-engaging sides of the channel member.

1,635,293. WIRE CONNECTER. WILLIAM R. SOMMER, ROELOF REE, and CORNELUS KERKHOF, Hackensack, N. J., assignors to Jiffy Wire Connector Company, Hackensack, N. J., a Corporation of New Jersey. Filed Oct. 8, 1923. Serial No. 667,408. 1 Claim. (Cl. 173—263.)



A connecter comprising a continuous cylindrical member having an internally threaded straight bore extending therethrough, a collar formed on the exterior of said

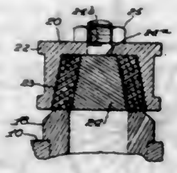
member intermediate its ends, and a hollow body of insulating material having an open end, the inner wall adjacent said end being beveled, said member being embedded in said body and terminating at said beveled wall, whereby the bare ends of a plurality of wires may be bunched and electrically connected together upon their insertion in said threaded bore and upon rotation of the device with respect to the wires.

1,635,294. TRAWLING GEAR. JOHN FRANCIS HARVEY TEMPLER, Ealing, London, England. Filed Apr. 20, 1925, Serial No. 24,649, and in Great Britain Apr. 29, 1924. 4 Claims. (Cl. 43—9.)



1. An otter board having a protuberant surface on that side to which the towing warp is attached and a concavity on the other side in the neighborhood of the tail.

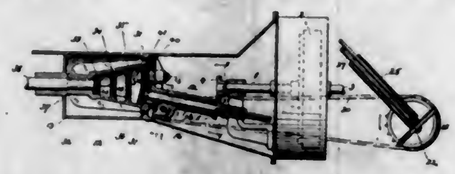
1,635,295. VALVE DEVICE. EMIL TYDEN, Evanston, Ill. Filed Feb. 3, 1926. Serial No. 85,655. 8 Claims. (Cl. 251—27.)



1. A valve device comprising a valve and a co-operating valve seat, one of said co-operating elements being a rigid annulus with a central port to be closed by the seating of one of said elements on the other, and the other co-operating element comprising an annular member of yieldingly compressible elastically reacting substance as rubber, and two rigid members respectively within and encompassing said annular member, and means for compressing the compressible member between the inner and the encompassing rigid members for rendering it substantially incompressible further by the seating pressure, the compressible member being approximately flush with the rigid members at the end exposed between them for seating after being compressed between them: whereby the extent of said compressed element which is susceptible to compression and capable of elastic reaction in the direction of impact of valve and seat is negligible and such yielding and reaction is prevented.

1,635,296. CHANGE-SPEED GEAR FOR AUTOMOBILES AND THE LIKE. HUGO VON DOEMMING, Hildesheim, Germany. Filed May 28, 1925. Serial No. 33,341. 3 Claims. (Cl. 74—58.)

1. In a change-speed gear for automobiles, and the like, the combination with the steering column, the driving shaft, the driven shaft and bearings for the said shafts, of a conical hollow member secured to the said driven shaft and having a series of internal gears of progressively increasing diameter cut therein, a casing enclosing the said hollow member and having a tubular extension, a longitudinally movable shaft rotatably journalled in said extension, a means for longitudinally moving the said last-named shaft, a toothed wheel carried thereby adapted to mesh with any of the said internal gears, a means intermediate the said driving and longitudinally movable shafts for rotating the latter, a means positively operated from the said steering column for causing the longitudinal to and fro movements of the said movable shaft, an idler gear in mesh with one of the said



internal gears to reverse the rotation of the said conical member, a non-rotatable sleeve slidably arranged in the said tubular extension and enclosing the said movable shaft being operatively connected therewith, the said sleeve having rack-teeth provided thereon, a pinion in mesh with the said rack teeth, and a transverse shaft carrying the said pinion.

1,635,297. TRANSFER-PRINTING APPARATUS. RUDOLF WEIDE, Berlin, Germany, assignor to the Firm Hermann Hurwitz and Co., Berlin, Germany. Filed Aug. 31, 1925, Serial No. 53,695, and in France Sept. 8, 1924. 1 Claim. (Cl. 101—146.)



Transfer printing apparatus comprising a printing set, a frame adapted to be reciprocated over the printing set, rockably supported arms mounted on said frame, a printing cylinder and an inking cylinder journalled in said arms, toothed wheels connecting said cylinders to one another, a handle secured to the cylinder-carrying arms, said handle serving for reciprocating the frame, and for bringing the printing and inking cylinders alternately into their operative positions and a spring constantly tending to keep the printing cylinder in its operative position.

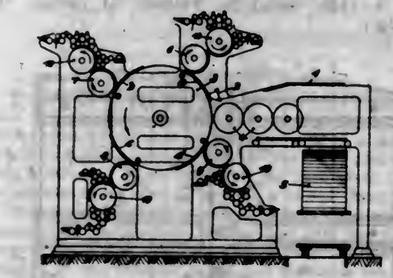
1,635,298. STOCKING PROTECTOR. HAZEL CRAWFORD WILLETTE, Rhinelander, Wis. Filed May 18, 1927. Serial No. 192,295. 4 Claims. (Cl. 36—2.)



4. In a stocking protector of the class described, a tubular body formed of thin transparent elastic rubber adapted to snugly fit the leg of the wearer, the lower

portion of the body being shaped to fit snugly around the upper of a shoe, a flap formed on the upper portion of the body and turned downwardly for disposition on the outside of the body, the major portion of the tubular body adapted to be rolled up on the leg of the wearer for disposition within the slot, and means for detachably securing the free edge portion of the flap to the adjacent portion of the body to retain the rolled portion of the body within the flap.

1,635,299. MULTICOLOR ROTARY OFFSET-PRINTING PRESS. OTTO WOHLRABE, Plauen, Germany, assignor to the Firm, Vogtlandische-Maschinenfabrik (vorm. J. C. & H. Dietrich) A.-G., Plauen, Germany. Filed Oct. 19, 1926, Serial No. 142,629, and in Germany May 11, 1925. 3 Claims. (Cl. 101—137.)



1. A multi-color rotary offset printing press consisting of an impression cylinder with several printing sections, several offset cylinders covered with offset blankets and being arranged symmetrically in equal distances from one another around said common impression cylinder, several plate cylinders covered with printing plates, each of them co-operating with one of said offset cylinders, inking and damping devices arranged to cooperate with said plate cylinders and feeding and delivery appliances co-operating with said impression cylinder.

1,635,300. MASTER TEMPLATE FOR LAYING OUT PATTERNS. SAMUEL ABRAMS and JOSEPH NEFF, Chicago, Ill. Filed Apr. 2, 1924. Serial No. 703,616. 1 Claim. (Cl. 33—12.)



A master pattern comprising a plurality of template parts consisting of top and bottom parts for a coat back, shoulder, body and back seam parts for a coat front and top end and seam outline parts for a coat sleeve, said top and bottom back parts and shoulder and body front parts being laid out from a common base line adapting them for registration with a line to be drawn on a pattern sheet representing the chest measure, each of the template parts having one or more outline edges of the standard outline of a complete pattern to be made, some of said template parts having corresponding scale marks in the margins thereof graded according to different sizes of waist measure, said scale marks providing for the convenient marking off of points on the pattern sheet in positions correlated to the base line and corresponding to the outline of said template parts, and the said edges of the template parts when positioned on the marked off points on the pattern sheet providing a guide for the drawing of pattern lines upon said pattern sheet.

1,635,301. ART OF CURING MEATS. JULIUS ALSBERG, New York, N. Y., assignor to B. Heller & Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1925. Serial No. 36,752. 13 Claims. (Cl. 99—1.)

1. The herein described method of curing meats which consists in enveloping the same with a dry curing medium including a predetermined amount of nitrite as an added element, substantially as specified.

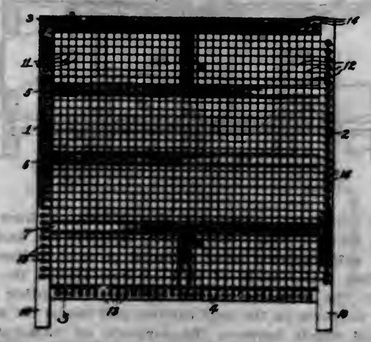
10. The herein described method of curing meats which consists in charging the same with a curing liquid composed of sodium chloride, a nitrate, and a salt of nitrous acid, completely enveloping the charged meat with a dry curing medium containing nitrite, and subjecting the charged, enveloped meat to the action of said dry, curing medium for a period ranging from forty to sixty days, substantially as specified.

1,635,302. SAUSAGE MEAT AND METHOD OF PRODUCING SAME. JULIUS ALSBERG, New York, N. Y., assignor to B. Heller & Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1925. Serial No. 36,751. 7 Claims. (Cl. 99—1.)

1. The method of producing sausage meat and the like which consists in reducing the meat to small pieces and incorporating therewith a dry curing medium including a predetermined amount of nitrite as an added element, substantially as specified.

5. The method of producing sausage meat and the like which consists in separating the meat into small pieces, adding thereto a dry curing medium composed of sodium chloride, sodium nitrate, and sodium nitrite, mixing the meat with said curing medium, passing the mass through a grinder to reduce the meat to comminuted form and simultaneously more intimately mixing said comminuted meat with said curing medium, and finally packing the thus-treated meat in a container between top and bottom layers of the same dry curing medium, and permitting the mass to cure, substantially as specified.

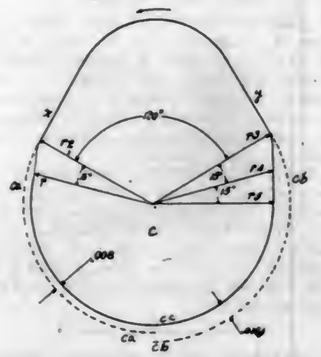
1,635,303. SOUND AMPLIFIER. FRANK D. ARNOLD, Humboldt, Iowa. Filed July 26, 1922. Serial No. 577,531. 6 Claims. (Cl. 181—27.)



1. The combination with a megaphone or tone amplifier having entrance and exit openings at its ends, and a resonator including a frame and filamentous resonating

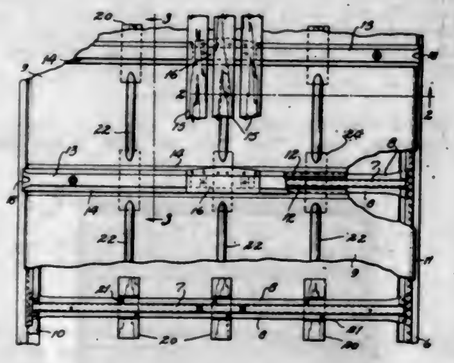
elements extending thereacross, said frame being located within said megaphone or amplifier transversely to the path of sound waves passing from end to end thereof, and the filaments extending transversely of the length of the amplifier.

1,635,304. VALVE GEARING. FORREST S. BAXTER, Detroit, Mich. Filed Dec. 15, 1924. Serial No. 755,882. 3 Claims. (Cl. 74—1.)



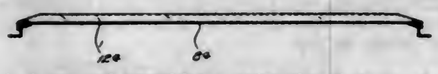
1. The combination with an internal-combustion engine poppet valve of an actuating cam therefor having a contour as described, so constructed as to effect a slow return motion of the valve actuating parts from a position materially higher than that at which the valve seats.

1,635,305. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1926. Serial No. 105,101. 9 Claims. (Cl. 108—5.4.)



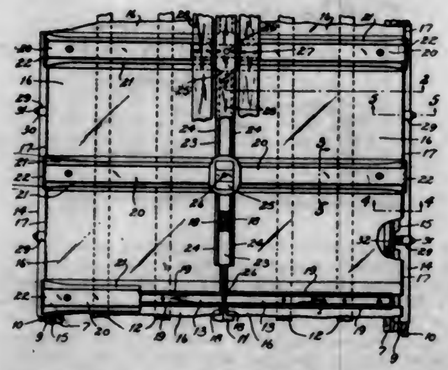
1. A car roof comprising side plates, carlines supported thereby, metal roof sheets, supports for said roof sheets, said supports being mounted on said carlines and extending transversely of said carlines beyond the sides thereof, the supports on one carline terminating short of the supports on the next carline, and means for stiffening said sheets between the supports on adjacent carlines, said stiffening means extending between the supports of adjacent carlines and overlapping the ends thereof.

1,635,306. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1926. Serial No. 127,782. 7 Claims. (Cl. 108—5.4.)



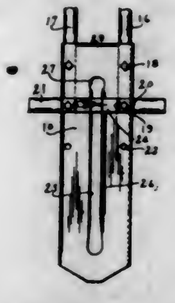
1. A car roof comprising a series of roof sheets whose body portions extend substantially straight from side to side of the car.

1,635,307. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Nov. 3, 1926. Serial No. 145,963. 11 Claims. (Cl. 108—5.)



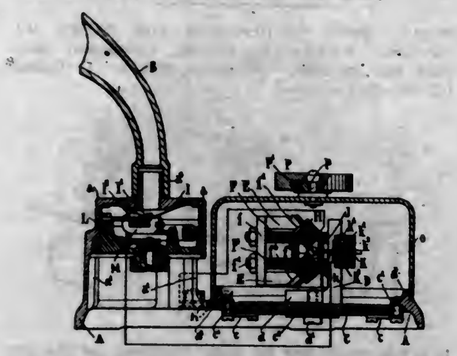
1. A flexible car roof comprising roof sheets whose eaves end portions are rebent, and means cooperating with the rebent eaves end portions of said sheets for securing a sluing movement of said sheets about points located at their eaves ends.

1,635,308. TRENCH SPADE. ROBERT C. BOTSFORD, East Haven, Conn. Filed Aug. 10, 1926. Serial No. 128,457. 9 Claims. (Cl. 294—49.)



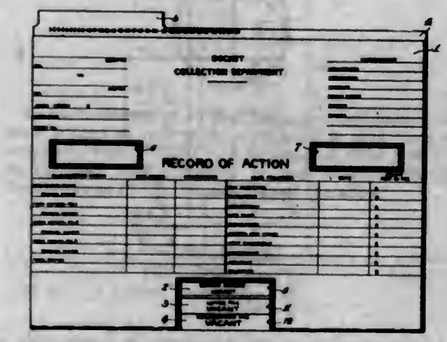
1. In a spade of the type described, handle means, a blade secured thereto and operable thereby, means secured to said blade to limit the effective length thereof, said blade having a slot substantially in the center and extending longitudinally thereof from a point adjacent one end to a point beyond said limiting means, the material of said blade along the edges of the slot being flared outwardly to provide blade reinforcing ribs.

1,635,309. TELEPHONE RECEIVING APPARATUS. SIDNEY GEORGE BROWN, North Acton, England. Filed Oct. 9, 1924, Serial No. 742,716, and in Great Britain Nov. 30, 1923. 3 Claims. (Cl. 179—171.)



1. A mounting for loud speaker apparatus comprising a base plate having an opening in one end thereof, a telephone receiver mounted on the other end of said plate, a sound insulating mat secured to the base plate within said opening, a cover seated on the base plate over the sound insulating mat to provide a closed chamber, and a microphone amplifier mounted in said chamber on the mat and having electrical connections with the telephone receiver and also electrical connections leading to the exterior of the chamber to contact terminals for the circuit of the weak current that is to be amplified.

1,635,310. PAPER FILE. EARL C. BURDIC, Herman, Nebr. Filed Oct. 17, 1923. Serial No. 669,003. 8 Claims. (Cl. 129—16.7.)



8. A folder of the type disclosed comprising a plurality of connected leaves having information thereon, marks on an underlying leaf to indicate where papers are to be secured, and windows in an overlying leaf to disclose information carried by the papers secured to the underlying leaf.

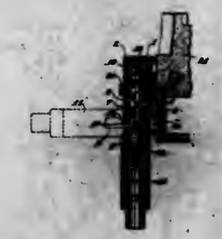
1,635,311. SINK, WASHBASIN, AND THE LIKE. FREDERICK S. CORRIGAN, Toronto, Ontario, Canada, assignor to The Sheet Metal Products Co. of Canada Limited, Toronto, Canada. Filed Oct. 30, 1926, Serial No. 145,286, and in Canada Oct. 29, 1926. 4 Claims. (Cl. 113—116.)

1. A process of forming sinks, wash basins and the like which consists in drawing down an integral sheet of metal in a plurality of operations to form the fluid receiving bowl, leaving at one side sufficient metal to form the back; bending the edges of the sheet downwardly to form a roll for the bowl and back; cutting the sheet at opposite sides to permit of the bending of the roll where back and bowl meet; bending the sheet to cause the back to occupy a position at substantially right angles to the



main part of the article; bringing the cut edges of the front of the roll into juxtaposition; and welding together the edges.

1,635,312. ELECTRICAL CONNECTER AND TERMINAL BLOCK. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 19, 1921. Serial No. 470,751. 8 Claims. (Cl. 173—338.)



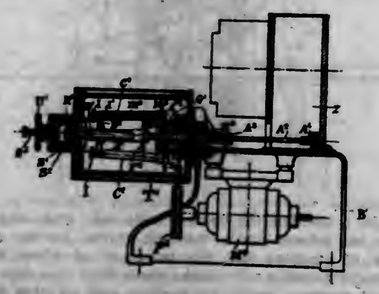
1. An electrical connecter comprising an insulating housing having a passageway adapted to receive a conductor, characterized by this that the housing is formed with distinct angularly related apertures communicating with said passageway, a suitable plug member being fitted to a selected one of said apertures and fixed within said housing, the other aperture being unoccupied.

1,635,313. NUT-LOCKING DEVICE. LUDWIG M. DIETRICH, New Brunswick, N. J., assignor of one-fourth to Frederick S. Dickinson and one-fourth to Lindley Vinton, New York, N. Y. Filed Mar. 2, 1921. Serial No. 448,960. 12 Claims. (Cl. 151—38.)



1. A precompressed cork nut lock washer.

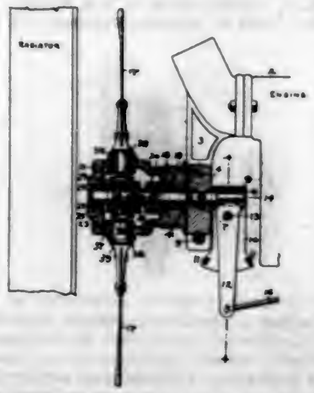
1,635,314. CENTRIFUGAL REGULATOR. LOUIS ABEL DOIGNON, Malakoff, France. Filed Aug. 29, 1925. Serial No. 53,366, and in France Sept. 6, 1924. 5 Claims. (Cl. 192—104.)



1. The combination, with a shaft to be constantly driven at a predetermined speed, a pulley loosely mounted thereon, and a driving device connected with the pulley,

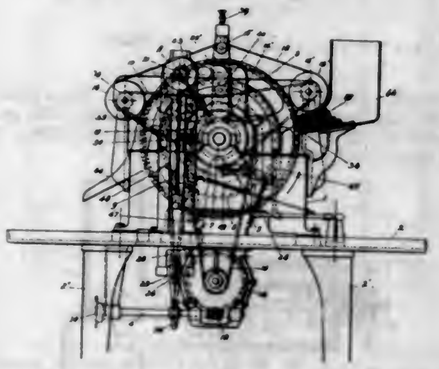
of a centrifugal regulator for maintaining such speed, said regulator embodying: a sleeve mounted on said shaft to rotate in unison therewith, a set of swinging arms pivotally connected at one end with the sleeve and provided at the other end with fixed weights having rubbers attached thereto for frictional engagement with the loose pulley, springs connected to said arms to move them inward toward said sleeve so as to press the rubbers against the said pulley, and manually-operated means for varying the pressure of the rubbers against the pulley while the regulator is rotating and thereby changing its speed.

1,635,315. AUTOMOBILE FAN. CARL F. EHINGER, Cleveland, Ohio. Filed Oct. 19, 1925. Serial No. 63,343. 14 Claims. (Cl. 170—163.)



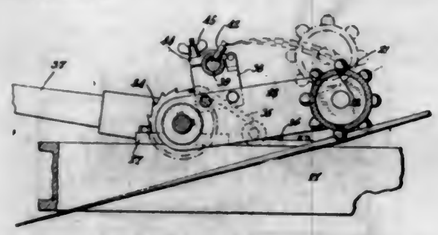
1. A revoluble fan body having a set of fan blades provided with spindles, means within said body for turning said spindles, and means including spring tension devices for securing said spindles rotatably upon said body, said spring devices being arranged to exert a tension axially of said spindles.

1,635,316. MACHINE FOR MAKING RADIO TUBE AND LAMP PARTS. CHARLES EISLER, Newark, N. J. Filed June 26, 1925. Serial No. 39,709. 12 Claims. (Cl. 49—7.)



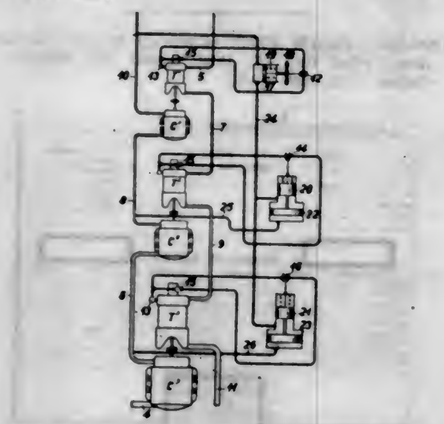
1. In a machine for making radio tube and lamp glass parts, an intermittently rotating carrier having a plurality of recesses for the reception of glass blanks, means for rotating said blanks about their own axes within said recesses, means for heating said rotating blanks, a blank forming tool mechanism including a rotating tool and means for advancing the same to engage the heated rotating blanks, at the stationary periods of said rotating carrier, means for positively rotating said tool, and means for intermittently driving said carrier and advancing said reciprocating mechanism in time relation therewith.

1,635,317. FELT CONDITIONER FOR PAPER MACHINES. WILLIAM P. FEENEY, Cheboygan, Mich. Filed Mar. 3, 1926. Serial No. 91,916. 12 Claims. (Cl. 92—50.)



1. A felt conditioner for paper machines and the like, comprising means having a metallic surface with a plurality of threaded apertures therein and metallic dome like projections with threaded shanks adapted to be secured in said apertures to engage and press upon the felt.

1,635,318. COMPRESSOR APPARATUS. KARL FREY, Ennetbaden, Switzerland, assignor to A. G. Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company of Switzerland. Filed Mar. 20, 1926, Serial No. 96,137, and in Switzerland Apr. 6, 1925. 5 Claims. (Cl. 230—24.)

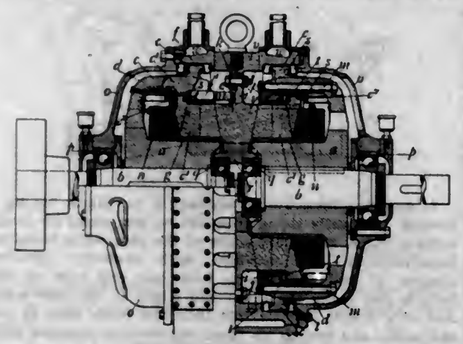


1. Compressor apparatus comprising, in combination, a plurality of compressors connected in series, a plurality of turbines connected for passage of operating fluid therethrough in series, the high pressure turbine connected to drive the high pressure compressor and lower pressure turbines connected to drive respectively the lower pressure compressors, means for regulating the fluid supplied to the high pressure turbine, and means responsive to the end compression pressure and intermediate compression pressures for regulating the fluid supplied to the lower pressure turbines.

1,635,319. ELECTRODYNAMIC POWER-TRANSMITTING MECHANISM. JAMES FRANCIS GILL and JOHN NICHOLAS CHAVIARA, Liverpool, England. Filed Jan. 25, 1923, Serial No. 614,922, and in Great Britain Feb. 11, 1922. 3 Claims. (Cl. 172—239.)

1. In a dynamic-electric machine of the homopolar type, a rotor element carrying both flux and current, a stator element concentric to the rotor and carrying both flux

and current, and a substantially frictionless conductor element in the gap between the rotor and stator and forming a current conductor therebetween, each of said



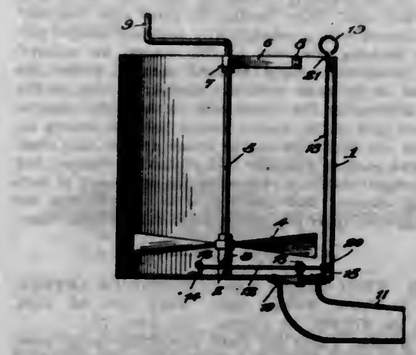
elements comprising a magnetic and conductive body of substantially annular form and having an annular series of slots parallel to its axes, and conductive bars in said slots.

1,635,320. INCANDESCENT ELECTRIC LAMP. JOHN ALLEN HEANY, New Haven, Conn. Filed June 28, 1918. Serial No. 242,481½. 1 Claim. (Cl. 176—36.)



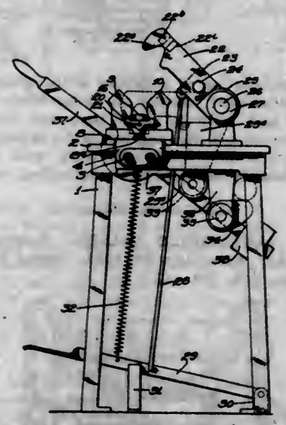
In an incandescent electric lamp, the combination of a stem formed of lead glass, a filament in said lamp and leading-in wires formed of a copper-lead alloy positioned in the stem and connected to said filament, the lead forming from five to ten per cent of the alloy.

1,635,321. WET-FEED MIXER. GEORGE F. HINKLEY, Brookings, S. Dak. Filed July 13, 1925. Serial No. 43,190. 1 Claim. (Cl. 137—21.)



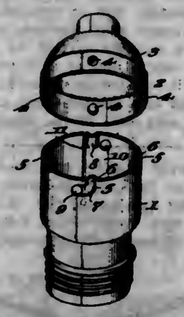
In a feed mixer, a tank having a discharge opening in its bottom, the wall defined by the opening being bent downwardly and tapering inwardly, a discharge pipe having a flanged end engaged over and closely with the exterior of the tapering wall and secured to the bottom of the tank, a valve engageable with said tapered wall, a bar hinged at one end to and above the bottom of the tank and having an opening in its opposite end, a bolt securing the valve to the bar at a point intermediate the ends of the bar, a clip on the top of the tank having an opening adjacent a side of the tank, and an operating rod on the interior of the tank having its lower end bent to form an eye and engaged through said opening in the opposite end of the bar, the upper end of the rod being extended through the clip opening and bent to form an eye-like handle which latter overlies the clip and is adjacent thereto.

1,635,322. MOP MACHINE. JOE C. HUGULEY and CARL M. HUGULEY, San Diego, Calif. Filed Sept. 18, 1924. Serial No. 738,384. 13 Claims. (Cl. 300—16.)



6. In a machine of the class described, a frame, a pair of pivotally mounted, mutually contractible, yarn clamp member contracting arms, and a rack and gear means for rotating said arms about their pivotal mountings.

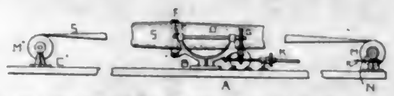
1,635,323. CAP AND SHELL FASTENING FOR LAMP-SOCKET CASINGS. WILLIAM ILE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed July 2, 1925. Serial No. 41,208. 1 Claim. (Cl. 173—362.)



A cap and shell fastening for lamp socket casings comprising a shell provided at the upper end with a plurality of equally spaced grooves, one of the grooves being substantially vertical and enclosed at the lower end and the other grooves being approximately L-shaped and consisting of a vertical entrance branch and a horizontal branch, said shell being also provided with perforations spaced equally from the vertical entrance branches and the vertical grooves, the perforations of the L-shaped

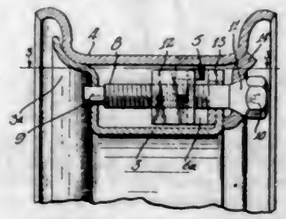
grooves being arranged at the extremity of the horizontal branches and forming extensions thereof, and providing openings at the terminals of the horizontal branches, and a cap provided with interior projections slidable in the grooves by telescopic movement of the cap over the shell and adapted to be carried into the perforations by relative rotary movement of the cap and shell, said projections being of a diameter equal to the width of the grooves and to the diameter of the openings and the projection engaging the perforation adjacent the vertical groove forming a positive lock for holding the cap and shell against relative rotary movement.

1,635,324. WEB MESSAGE RADIO. CHARLES FRANCIS JENKINS, Washington, D. C. Filed May 5, 1925. Serial No. 28,225. 7 Claims. (Cl. 178—14.)



1. The combination of a flexible strip, means for moving it longitudinally, means for transversely curving a portion of said strip to more than one hundred and eighty degrees of a circle, and means for laterally traversing the curved portion of said strip with a marking means a plurality of times per longitudinal inch of said strip.

1,635,325. AUTOMOBILE WHEEL. SAMUEL KAPLAN, Monroe, La. Filed Apr. 28, 1924. Serial No. 709,589. 2 Claims. (Cl. 301—17.)



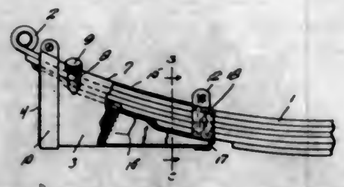
1. The combination with a fixed rim having a U-shaped cross section and a series of cam surfaces on the inner face of one side, of a demountable rim arranged to slip over said fixed rim and to engage the opposite side of said fixed rim, said demountable rim having inwardly projecting pins arranged to engage said cam surfaces when said demountable rim is rotated with respect to said fixed rim, a screw shaft carried by said fixed rim, a traveling locking member carried by said screw shaft and arranged to engage one of said pins, whereby said demountable rim is rotated to force said pins into engagement with said cam surfaces and to prevent a relative movement of said rims in the opposite direction.

1,635,326. VANITY CASE. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Metal Specialties, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1926. Serial No. 85,836. 8 Claims. (Cl. 132—83.)



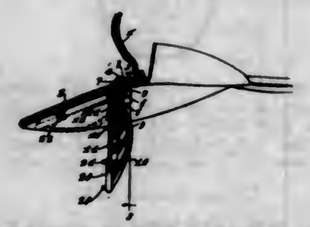
1. In a vanity case, means for confining powder, comprising a movable downwardly dished spring wall and an opposing fixed wall having an aperture normally closed by said spring wall, said aperture being of ample size to permit pressure of a powder puff through it onto the spring wall whereby to admit powder into the aperture.

1,635,327. SPRING LUBRICATOR. GEORGE KELNER, Cleveland, Ohio. Filed Feb. 17, 1926. Serial No. 88,862. 3 Claims. (Cl. 184—1.)



1. A spring lubricator comprising a receptacle having a bottom, side walls rising from the bottom along its longitudinal edges, the upper edges of the side walls inclining longitudinally and provided with inwardly directed flanges, an end wall rising from one end edge of the bottom and along the taller end edges of the side walls and of a height slightly less than the taller ends of the side walls and having its upper extremities provided with an outwardly and upwardly directed flange, an end wall rising from the other end edge of the bottom along the shorter end edges of the side walls and being less in height than said shorter ends of the side walls and having its upper extremity provided with an outwardly and downwardly directed flange, a capillary element having its ends disposed over the outwardly directed flanges and its side edges disposed under the inwardly directed flanges, and means for suspending the receptacle below a leaf spring to supply the capillary element to the under-surface thereof so that lubricant in the receptacle will splash against the capillary element to maintain the same saturated with the lubricant.

1,635,328. EYESHIELD AND FACE PROTECTOR. EARL EDWARD KINTZ, Bucyrus, Ohio. Filed Jan. 20. 1926. Serial No. 82,545. 1 Claim. (Cl. 2—10.)

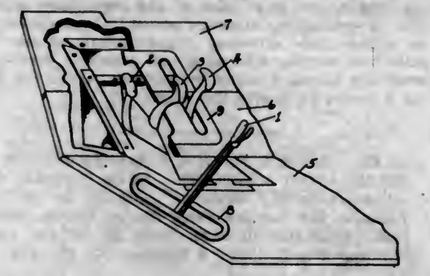


A combined eye shield and face protector comprising a substantially elliptical shaped, spring controlled frame adapted to be pivotally connected with the lower face of the visor, said frame having its outer side, centrally thereof, formed with a substantially semi-oval shaped portion for bridging the nose of the wearer, an uninterrupted, transparent shield element secured within the frame and of the same area and contour as that of the opening formed by the latter and further of a size to shield both eyes of the wearer, spaced holdfast devices arranged on the outer side of the frame and on said semi-oval shaped portion, a flexible face protecting element, and spaced fastener members carried by the upper end of such protecting element and coacting with said devices for connecting said upper end to the outer side of said frame.

1,635,329. WIND GUARD FOR AUTOMOBILE LEVERS. ULUS S. KLOTZ, Toledo, Ohio. Filed Nov. 30, 1923. Serial No. 677,892. 3 Claims. (Cl. 180—77.)

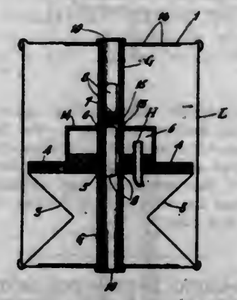
1. In a wind guard for Ford automobile pedal lever slots, a sheet metal member having thereon sides that slope relative to each other and so as to cover the lower ends of the pedals on three sides, two of the sides flaring outward, the forward side formed substantially V-shaped,

the said guard having a flange extending around the upper edge thereof and located in the plane of the surface of the under side of the sloping upper floor board,



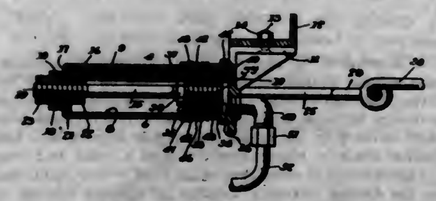
and means extending through the said flange for securing the wind guard to the under side of the upper floor board.

1,635,330. POST STRUCTURE FOR VOICE DEVICES. ALEXANDER KONOFF, New York, N. Y., assignor to Voices Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Dec. 30, 1922. Serial No. 609,929. 4 Claims. (Cl. 46—46.)



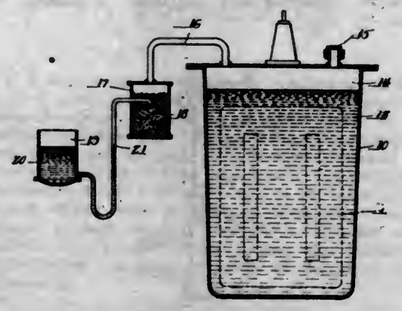
3. A sound producing device comprising a casing having an air chamber therein, a sound producing reed, a weighty member movable by gravity in said casing to expel air from the chamber through said reed, a hollow guide post for said weighty member extending axially through the casing and the air chamber and provided with longitudinally spaced openings in the wall thereof, means preventing communication between said spaced openings interiorly of the post, and said weighty member having a sound receiving chamber provided with a wall coacting with the wall of said post and with the spaced openings therein to control the emission of sound from said chamber in the gravity movement of said head in one direction.

1,635,331. HYDRAULIC BRAKE MECHANISM. FRANK KRISCH, Los Angeles, Calif. Filed Sept. 21, 1925. Serial No. 57,612. 2 Claims. (Cl. 188—152.)



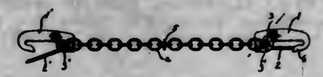
1. In a hydraulic brake mechanism for automobiles, a hydraulic unit comprising a cylinder made in two telescopic hollow sections, the head of the outer section enclosing the inner end of the inner section, a piston reciprocally mounted in the inner section, a piston rod connecting said piston with the head of the outer section, a cross member secured to the head of the outer section, a yoke secured to said cross member and extending around the head end of said inner section, and means for operating said yoke.

1,635,332. DEVICE FOR PREVENTING OXIDATION OF OIL IN TRANSFORMERS. JOHANNES KUBLER, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a Joint Stock Company. Filed Sept 2, 1926, Serial No. 133,172, and in Germany Sept. 24, 1925. 4 Claims. (Cl. 220—85.)



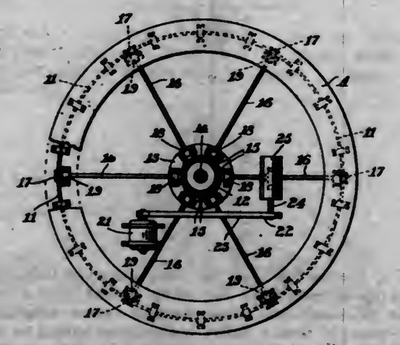
1. Protective apparatus comprising, in combination with a vessel having a closed expansion space, a gas generator comunicating with the expansion space, a reagent container, materials in the generator and container for generating an inert gas, there being a connection between the generator and container permitting flow of material from the latter into the former under a predetermined suction from the expansion space.

1,635,333. LINGERIE-FASTENING DEVICE. MAY E. MICKLEBOROUGH, Brooklyn, N. Y. Filed Oct. 17, 1925. Serial No. 62,968. 2 Claims. (Cl. 24—73.)



1. Clasping devices for lingerie, comprising a plurality of spaced chain members and clasp members adapted to space said chain members secured to the adjacent ends of said chain members.

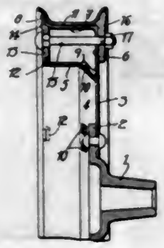
1,635,334. REVOLVING STORE FIXTURE. FRANK BICKNELL MITCHELL, Regina, Saskatchewan, Canada. Filed Jan. 26, 1925. Serial No. 4,850. 2 Claims. (Cl. 74—26.)



1. In a revolving store fixture, actuating mechanism comprising a prime mover, a drive shaft, a worm on the drive shaft, a rotatably mounted crown gear, a plurality

of radiating shafts provided with pinions adapted to engage with the crown gear, a worm gear keyed on one of the radiating shafts adapted to engage with the worm on the drive shaft, whereby, on the prime mover being operated, the crown gear and the radiating shafts are simultaneously operated, a guideway on the fixture and means carried by the radiating shafts adapted to engage with said guideway to rotate the fixture.

1,635,335. WHEEL WITH DRUM. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Mar. 11, 1924, Serial No. 698,399. Renewed May 25, 1927. 3 Claims. (Cl. 301—6.)



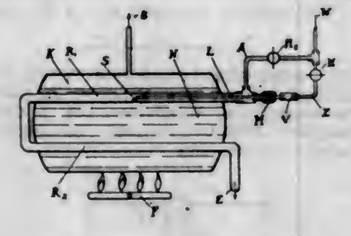
3. A vehicle wheel comprising a disc formed with a laterally extending integral brake drum flange which is united to the body of the disc by an inclined portion and a felloe having a part shaped for wedged engagement with said inclined portion and a tongue struck up from said disc, and a projection on said felloe co-acting with said tongue arranged to lock the felloe and disc against relative circumferential movement.

1,635,336. ALL-METAL WINDOW SASH. OSCAR VENDAL NELSON, Racine, Wis. Filed Nov. 26, 1926. Serial No. 150,918. 4 Claims. (Cl. 189—76.)



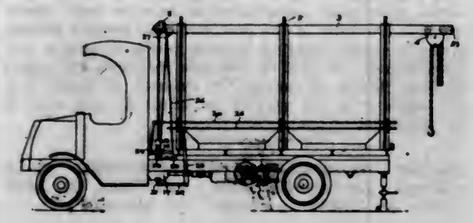
1. A window sash of the class described including a plurality of rails, each rail being formed from a single sheet of metal bent along parallel spaced longitudinal dimensions to form a hollow construction having an outer plate merging at its inner edge into a right angularly extending inside plate which merges into an overlapping portion that is bent over upon itself and merges into an inner plate disposed in parallelism with the outer plate and at right angles to the inside plate, said inner plate merging into an inwardly directed right angular extension merging into an outwardly disposed acutely extending tongue, the outer edge of the outer plate merging into an overlapping extension which in turn merges into an outside plate extending perpendicularly to the outer plate and merging into an obtuse extension overlapping itself and having a spaced overlapping portion for forming a pocket to receive the tongue.

1,635,337. SAFETY DEVICE FOR ABSORPTION REFRIGERATING MACHINES. ERICH NIEMANN, Charlottenburg-Berlin, Germany, assignor to A.-G. für Handels- und Industriewerte Glarus, Glarus, Switzerland. Filed Dec. 10, 1924, Serial No. 755,034, and in Germany May 3, 1924. 4 Claims. (Cl. 62—118.)



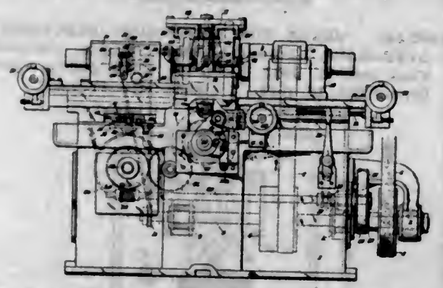
1. In an absorption refrigerating apparatus a boiler having a cooling medium passage, a tube inserted in said passage and spaced therefrom, a fusible element melting at a temperature exceeding the highest normal working-temperature of the apparatus and closing one end of said tube, means for supplying a cooling medium to the other end of said tube.

1,635,338. LOADING DEVICE FOR MOTOR TRUCKS. GEORGE W. OTTERSON, Toronto, Ontario, Canada, assignor, by direct and mesne assignments, of four-fifths to Lissa A. Otterson, Seattle, Wash., and one-fifth to Joseph F. Brandenburg, New York, N. Y. Filed Feb. 18, 1922. Serial No. 537,649. 8 Claims. (Cl. 212—74.)



1. A machine of the character described comprising a road vehicle having an overhead frame on its body with a track on said frame extending lengthwise of the body, a trolley movable along said track, a longitudinal rotary shaft carried by the frame, means for driving said longitudinal shaft in either direction, and a hoist and means for operating the same carried by said trolley, said means on the trolley having a member in slidable driving connection with said shaft and comprising a lock of self-holding meshing gears through which the hoist is operated from said shaft to raise and lower the load and whereby to hold the load at any height or point lengthwise of the vehicle body.

1,635,339. CENTERLESS GRINDING MACHINE. WILBUR J. PEETS, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 28, 1922. Serial No. 571,457. 19 Claims. (Cl. 51—117.)



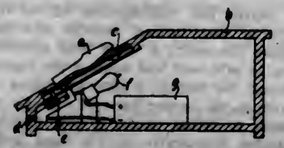
1. In a centerless grinding machine, the combination with work controlling and grinding wheels having opposed work-engaging faces, of a work-holder including an element sustaining the work between said wheels during the grinding operation for rotation about an axis coincident with the axis of said element.

1,635,340. FORMATION THIEF. LEROY H. PERRY, Gardena, and WALTER F. WOODMAN, Long Beach, Calif. Filed June 21, 1926. Serial No. 117,629. 8 Claims. (Cl. 255—1.)



1. A device of the character described comprising; a tubular housing having lateral apertures; sampling thieves resiliently mounted within the housing; and means for pressing said thieves outwardly through said apertures.

1,635,341. DEVICE FOR TRYING ON SHOES OR BOOTS. CHRISTIAN PFERSDORF, Elberfeld, Germany. Filed Dec. 2, 1925, Serial No. 72,849, and in Germany Dec. 5, 1924. 1 Claim. (Cl. 33—3.)



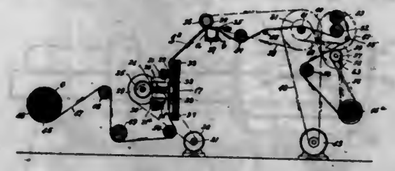
A device for trying on shoes or boots comprising a transparent shoe model having an integrally formed sole or bottom and provided with a toe cap and a heel end and a number or symbol indicated on the shoe model corresponding to the size of boots or shoes suitable for the foot upon which the shoe model is tried.

1,635,342. SAFETY RAZOR WITH ROLLING BLADE. RAFFAELE PISO, Naples, Italy. Filed Nov. 13, 1923, Serial No. 674,570, and in Italy Nov. 14, 1922. 5 Claims. (Cl. 30—12.)



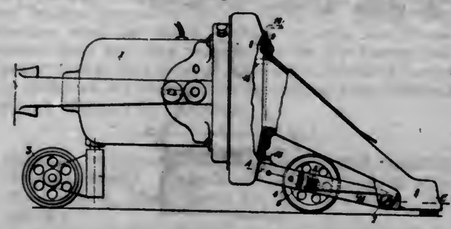
1. A safety razor comprising in combination a handle, a guard member and a cooperating member adapted to clamp therebetween a resilient blade, and means for maintaining said clamping members in clamping position on said handle and for preventing movement of said blade relatively to said handle, said guard member and the cooperating member being adapted to be adjusted transversely of the blade whereby the blade may always be gripped by said clamping members in the same relative position with respect to the cutting edge thereof, notwithstanding reduction in width of the blade due to sharpening.

1,635,343. FABRIC-TRIMMING APPARATUS. ZDENKO PODHRADSKY, Astoria, N. Y., assignor to H. R. Mallinson Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1925. Serial No. 57,990. 9 Claims. (Cl. 26—16.)



1. A trimming machine comprising a bed, feeding mechanism for feeding a web of fabric over said bed, said fabric including a design the outlines of which are bounded by loose thread ends, brushes moving to and from said fabric and transversely thereof effective upon said fabric to raise said loose ends to upright positions thereon and cutting mechanism in the path of said fabric for cutting away said upright loose ends to closely trim the aforesaid design along its outlines.

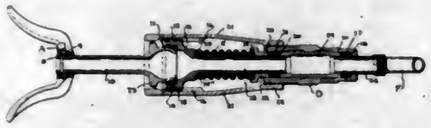
1,635,344. VACUUM CLEANER. EDMOND RAGONOT, Malakoff, France. Filed Mar. 7, 1925, Serial No. 13,685, and in France Mar. 19, 1924. 4 Claims. (Cl. 15—16.)



1. In an electrically operated vacuum cleaner, the combination with a wheel supported body casing and a suction inlet portion, of a frame pivoted to said suction inlet portion for vertical movement relatively thereto

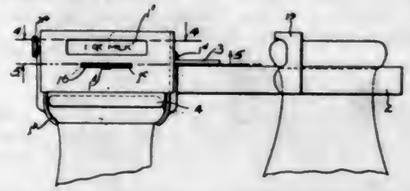
and carrying wheels, means comprising a cylindrical member connecting said body casing and suction inlet portion together and a cam embracing said cylindrical member and acting on said frame for controlling the position thereof.

1,635,345. AUTOMATIC TRAIN-PIPE COUPLING. JOSEPH ROBINSON, New York, N. Y. Filed Nov. 22, 1920, Serial No. 425,765. Renewed Nov. 12, 1925. 22 Claims. (Cl. 285—58.)



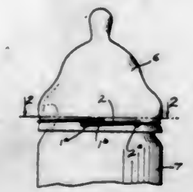
17. In an automatic train pipe coupling, in combination, a bracket, a coupling head, a fluid conduit connected to said head and extending rearwardly past said bracket, a second conduit connected to said first conduit, said first conduit being movable universally relative to the second conduit, said conduits being shiftable rearwardly relative to said bracket when said head is coupled with a mating head, and a spring for yieldingly resisting such shifting of said conduits.

1,635,346. MILK-BOTTLE SUPPORTING AND LOCKING DEVICE. JOHN ROGGINGER, San Diego, Calif., assignor to Norco Mfg. Co., Norco, Calif., a Corporation of California. Filed July 6, 1925. Serial No. 41,618. 13 Claims. (Cl. 194—4.)



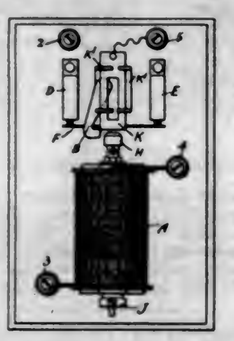
1. In a milk bottle supporting and locking device, a frame provided at its lower portion with bottle supporting means and in one of its sides with a coin receiving means, a bottle retaining member shiftably mounted in said frame and provided with means to prevent the withdrawal of said bottle from the one end of said frame, and lever means mounted in said frame engageable and shiftable by the upper end of said bottle for releasing a coin positioned in said coin receiving means.

1,635,347. CLAMPING RING. JOHN ROGGINGER, San Diego, Calif., assignor to Norco Mfg. Co., Norco, Calif., a Corporation of California. Filed Nov. 4, 1925. Serial No. 66,708. 9 Claims. (Cl. 24—10.)



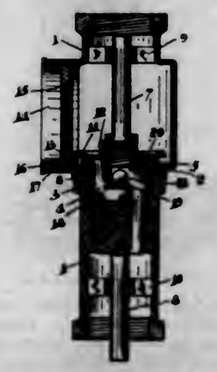
1. In a device of the class described, a ring member open at one side with its ends overlapping, and a locking lever pivotally connected at its one end with the one end of said ring member and pivotally connected intermediate its ends with the other end of said ring member, said lever being laterally distortable and provided with a locking lug adapted to be laterally shifted and inserted into an outwardly extended loop in said ring member.

1,635,348. MEANS FOR INDICATING ELECTRICAL OVERLOADS. JOAQUIN SAMPER, Bogota, Colombia. Filed Jan. 17, 1925, Serial No. 3,121, and in Great Britain Oct. 13, 1924. 3 Claims. (Cl. 177—311.)



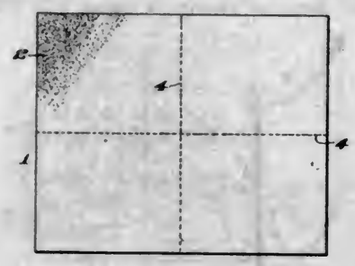
1. In a device for indicating electrical overloads, a supporting base, a normally contacting fixed contact and a movable contact carried by the base, additional fixed contacts to be bridged by the movable contact when displaced from the normal position, one of said additional contacts being in circuit with an electrical source through a signal, overload operated electromagnetic means for moving said movable contact from its normal position to its contact bridging position, the first mentioned fixed contact, the movable contact, and the electromagnetic means being in series with the electrical load.

1,635,349. INDICATING VALVE. JAMES SANDILANDS, Toronto, Ontario, Canada. Filed Oct. 25, 1924. Serial No. 745,782. 2 Claims. (Cl. 116—128.)



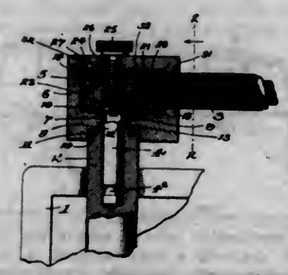
2. In a valve, the combination of a valve casing having a valve seat formed therein and an indicator chamber above the seat; a valve plug movable, more or less, relative to said seat and against the force of gravity by flow through the casing; a stem extending up from the valve; a guide in the casing for said stem; a ledge on the casing forming a datum mark; a disk forming an indicator adjustable lengthwise of the stem and extending adjacent to said ledge; and a window in the wall of the indicator chamber through which the said disk and datum mark are visible.

1,635,350. SAND, EMERY, OR OTHER ABRASIVE PAPER, CLOTH, OR THE LIKE. HARRY C. SIMONS, Philadelphia, Pa. Filed Oct. 16, 1923. Serial No. 668,794. 1 Claim. (Cl. 51—185.)



An article of the character stated comprising a sheet of paper or cloth provided upon one entire surface with a coating of abrasive material and provided upon its opposite surface with a plurality of longitudinally and transversely extended strips of abrasive material which intersect one another and are arranged cross-shaped from edge to edge of said sheet to provide a backing presenting a checkered appearance, said article being provided with weakened lines which bi-sect one another whereby the article may be readily folded to conceal the coated face of the article and to further provide sections which may be readily detached as required.

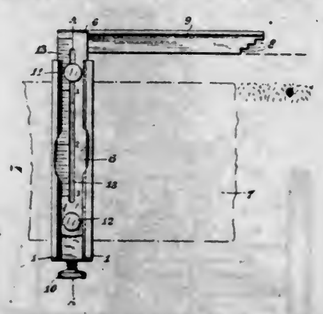
1,635,351. STORAGE-BATTERY TERMINAL CONNECTION. GLENN SPURGEON, Hillsburg, Ind. Filed June 30, 1922. Serial No. 571,871. 6 Claims. (Cl. 136—163.)



5. A terminal connection for storage batteries comprising, in combination, an open-top casing body; a battery terminal having an extension projecting into said casing body; an electrical conductor projecting into said casing body and connected to the terminal; and a cover for said casing connected to said terminal extension, the cover serving to close the casing body and effect a fluid-tight joint between the body and said battery terminal.

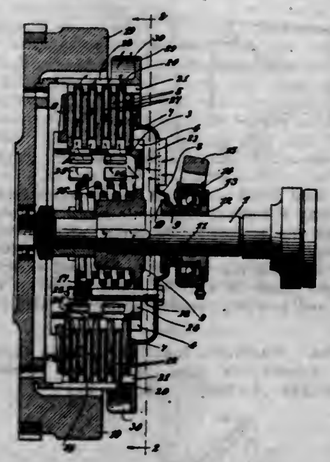
1,635,352. GUIDE FOR STRAIGHTEDGES. ROBERT C. WILLIAMS, San Francisco, Calif. Filed Oct. 19, 1925. Serial No. 63,483. 1 Claim. (Cl. 33—42.)

The combination, in a guide for a straight edge, of an elongated clamp having an arm at each end, with a set screw through one arm to engage one edge of said straight-edge, and having two grooves running lengthwise to receive an adjustable scale, a scale having a guide arm at one end, mounted in said grooves and by



which the position of the straight-edge is determined, a set screw for holding said scale in a fixed position on said clamp.

1,635,353. AIR-COOLED CLUTCH. JOHN H. ALLEY, Philadelphia, Pa., assignor to The American Motor Body Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Sept. 30, 1925. Serial No. 59,443. 2 Claims. (Cl. 192—113.)

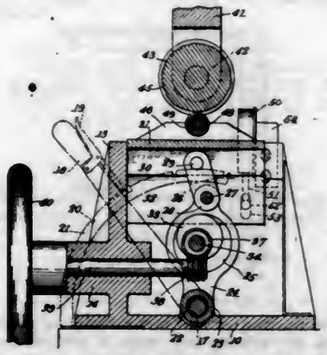


1. A clutch construction of the character described, including a driving drum, a coaxial driven drum, an assembly of friction clutch rings intermediate said drums, radial air passages through said ring assembly, air passages through said drums communicating freely with said passages through the ring assembly, and means for causing circulation of air outwardly through said passages when the clutch revolves, whereby heat is dissipated from said ring assembly by the air flowing outwardly through said passages, said means including curved fan blades on the periphery of the driving drum adjacent said air passages therethrough.

1,635,354. PROCESS AND APPARATUS FOR MAKING FINGER RINGS. CLIFFORD W. ALLSOPP, Newark, N. J. Filed Jan. 6, 1925. Serial No. 775. 3 Claims. (Cl. 80—5.)

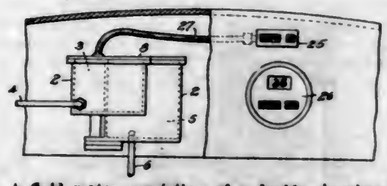
2. A ring rolling machine comprising a fixed frame, a table adjustable vertically therein, said table having a pair of recessed brackets on its top, a ring arbor removably engageable in the recesses of the brackets, a master roll rotatably supported above the table in regis-

ter with said arbor, a link and lever device for raising the table, an eccentric on which the lever is fulcrumed, a hand lever to adjust the eccentric, an eccentric oper-



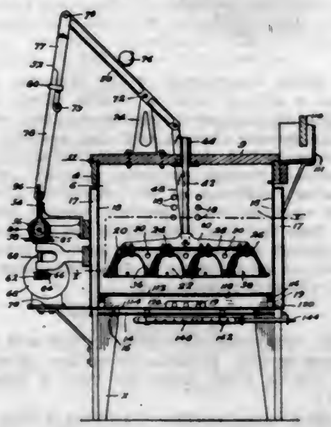
able in an opening of said lever, and hand operated means to actuate the last named eccentric whereby the lever may be turned upon its pivot.

1,635,355. FLUID METER. ROY B. AMBROSE and JOHN W. PATTERSON, Pittsburgh, Pa. Filed June 4, 1925. Serial No. 34,858. 7 Claims. (Cl. 73—28.)



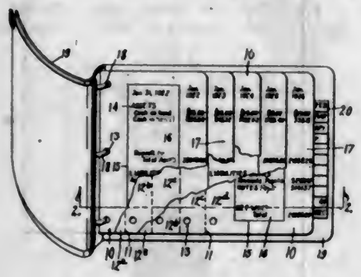
1. A fluid meter consisting of a double chambered casing having a common upper air space and providing a receiving and a distributing cavity with an intervening valve controlled port, a valve therefor, a tilting frame having an actuating float in one of said cavities, a pivoted lever connected with the valve, an arm on the tilting frame, and a spring connecting the arm with said lever.

1,635,356. WASHING MACHINE. ROSS CLARK BENKMAN, Kansas City, Kans. Filed June 1, 1925. Serial No. 34,148. 5 Claims. (Cl. 62—19.)



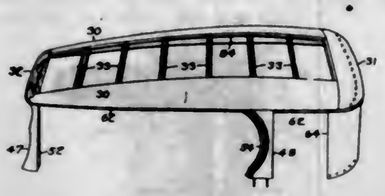
4. A washing machine consisting of a tub, a lid hinged to said tub and provided with slots, a reciprocatory plunger arranged within said tub, a guide stem on said plunger extending through the lid, links connected to the plunger and extending through the slots in the lid, and means for reciprocating said links.

1,635,357. COMPARATIVE VISIBLE RECORD BOOK. JOHN E. BEMIS, Des Moines, Iowa. Filed Aug. 23, 1926. Serial No. 130,919. 4 Claims. (Cl. 129—1.)



1. In a structure of the class described, a series of sheets, each having adjacent to one edge a plurality of sections separated by weakened lines, each of said sections being provided with holes for mounting the sheets on supporting members, whereby it is possible to tear from the members of a series of sheets, a successively increasing number of said sections and to arrange the sections with their left-hand edges flush with each other and with their right-hand ends successively projecting from the superposed sheets for making visible upon the exposed portions of the sheets data for comparison.

1,635,358. TOP CONSTRUCTION. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Oct. 30, 1924. Serial No. 746,876. 12 Claims. (Cl. 296—137.)

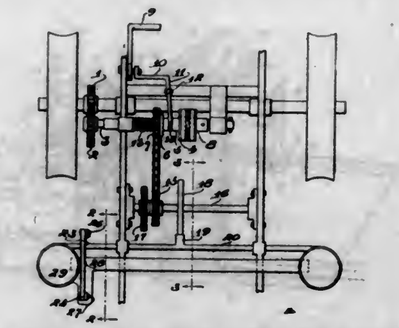


12. In combination with a vehicle top having sheet metal side quarters, a brace secured to each of said quarters intermediate the ends thereof, members connecting the front and rear ends of said side quarters, a bracket supported by each of said side quarters, a bracket supported at the front of each of said side quarters, and a block secured to each side quarter, said block and said second named bracket being adapted to support a curtain therebetween, and said brace and said first named bracket supporting a second curtain in overlapping relation with said first named curtain.

1,635,359. CHECKROW PLANTER. ROSS DHUMS and ROY DHUMS, Columbus, Ohio, assignors of one-third to George W. Walker, Columbus, Ohio. Filed Apr. 30, 1925. Serial No. 27,035. 1 Claim. (Cl. 111—30.)

A planting and marking machine including a supporting frame having a hopper mounted thereon, a member pivoted intermediate its ends on said hopper, a hod mounted for oscillation on said frame, an arm extending radially from and fixed to said rod, a link pivoted at

one of its ends to said arm and having its other end pivoted to the other end of said member and of such length as to maintain said arm and said member sub-



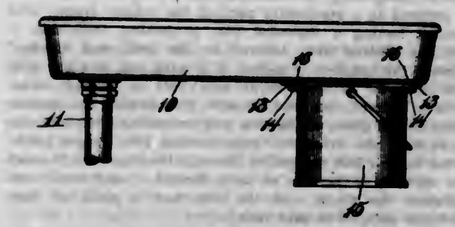
stantially parallel to each other in their various positions and a marking rod parallel to said link and slidable vertically in said frame and pivoted at one of its ends to other end of said member.

1,635,360. VEHICLE SPRING. DANIEL E. DUNCAN, Far Rockaway, N. Y., assignor of one-half to Michael J. McDonnell, Far Rockaway, N. Y. Filed May 20, 1924. Serial No. 714,634. Renewed June 2, 1927. 2 Claims. (Cl. 267—47.)



1. A vehicle spring of the semi-elliptic type, comprising a leaf having shackle bolt eyes in its ends, an underlying leaf having one end bent to encircle the shackle bolt eye, the other end bent to partially encircle the other shackle bolt eye, and an overlying leaf terminating short of each shackle bolt eye.

1,635,361. SINK STRUCTURE. IRA FUSON, Long Beach, Calif. Filed Mar. 24, 1925. Serial No. 18,025. 8 Claims. (Cl. 4—190.)



1. In combination with a receptacle adapted for the reception of articles to be cleansed by or treated with liquids, the receptacle having a drain opening and a further opening in spaced relation to the drain opening, a second receptacle adapted for the reception of solids, said first and second receptacles having coacting flanges engaging to support the second receptacle from the first named receptacle and beneath the second opening and means for sealing said second opening against the passage of liquids the receptacle being removable without disturbing the sealing means.

1,635,362. WHEEL FOR DETACHABLE TIRES. JOHN HENRY GILDERSLEEVE and HENRY JAMES FAINT, Corono, N. Y. Filed May 6, 1925. Serial No. 28,328. 1 Claim. (Cl. 152—21.)



In a wheel for detachable tires, the combination of a felly having a flange collar at one of its side faces and having a tread extending across its outer circumferential face from said flange collar, said felly having a circumferential locking groove in its other side face, said groove having locking cavities formed therewith, a detachable flange collar with a locking rim extending therefrom, locking lugs integral with said rim, said rim normally engaging said circumferential locking groove and said locking lugs normally locking with said cavities and means to maintain said detachable flange collar with its ring and locking lugs in locked position with said felly.

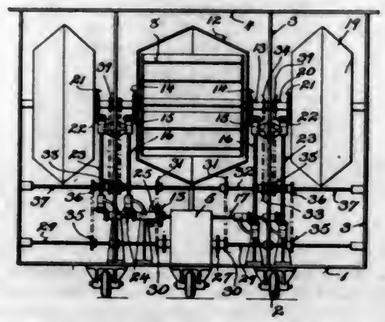
1,635,363. ENDLESS CONE BELT. GEORGE BERNARD HANDLEY and EDGAR GEOFFREY HANDLEY, Bradford, England. Filed May 6, 1926, Serial No. 107,188, and in Great Britain Jan. 9, 1926. 1 Claim. (Cl. 74—63.)



An endless belt for cone pulleys comprising an inside ply of soft resilient leather adapted to be compressed when passing over the surfaces of the pulleys and to extend when passing between said pulleys, an outside ply of firm stretched leather and of wider section than said inside ply adapted to support the inside ply and to resist the tension and fork action to which the belt is

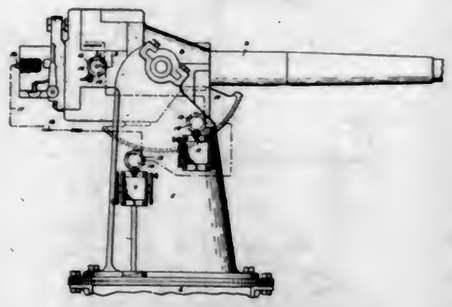
subjected and an air escape in the form of a closely pitched series of elongated longitudinal slots cut about the central axis of the inside ply adapted to reduce the running temperature of the belt and the fork pressure necessary to move it.

1,635,364. FLYING MACHINE. JOHN F. HAUSSMANN, Milwaukee, Wis., assignor of one-fourth to Christ A. Rusch and one-fourth to Daniel W. Hoan, Milwaukee, Wis. Filed Aug. 25, 1926. Serial No. 131,385. 2 Claims. (Cl. 244—16.)



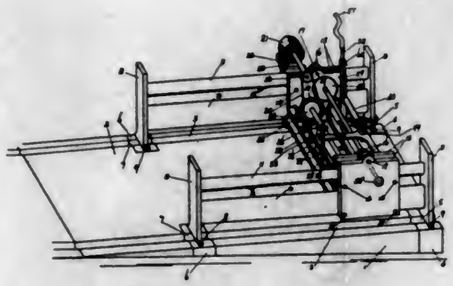
1. A flying machine comprising a central impeller and a pair of outer impellers, shafts for said impellers, sleeves mounted upon said shafts and carrying substantially semicircular housings covering approximately half of their respective impellers, a main frame work supporting said shafts, a motor mounted adjacent the lower portion of said frame-work and operatively connected to said central and outer impellers for rotating the outer impellers in one direction and the central impeller in the opposite direction, and manually controlled mechanism operatively coupled to said sleeves for rotating said sleeves to thereby alter the position of said housing.

1,635,365. FIRE-CONTROL SYSTEM FOR GUNS. JAMES C. KARNES, Buffalo, N. Y. Filed Feb. 26, 1927. Serial No. 171,353. 2 Claims. (Cl. 89—41.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



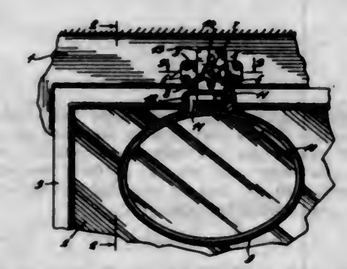
2. In a gun including an electrically operated firing device, means for traversing the gun, means for elevating the gun, means for setting the fuse of a round within the gun, an index associated with each of said means, a member associated with each index and movable proportionate to data to be applied, and electrical connections establishing a circuit between the firing device, and the indexes and the members.

1,635,366. RUG-CLEANING MACHINE. AVEDIS S. KHANZADIAN, Binghamton, N. Y. Filed Feb. 11, 1926. Serial No. 87,602. 20 Claims. (Cl. 15—40.)



1. A rug cleaning machine comprising an inclined rug supporting platform, supporting blocks in said platform, posts secured to said blocks, rails mounted on said posts, a carriage movable on said rails, and rug washing mechanism on said carriage adapted for engagement with a rug on said platform.

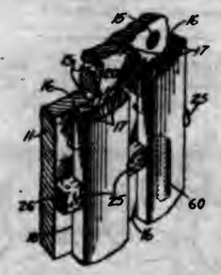
1,635,367. LIGHT-RAY-FILTERING SCREEN. WILLETT J. LA TOURRETTE, Denver, Colo. Filed Aug. 30, 1926. Serial No. 132,493. 1 Claim. (Cl. 296—97.)



A glare shield and ray filter for use on automotive vehicles, comprising, in combination, a bracket adapted to be secured to a stationary part of the vehicle frame, said bracket having a threaded bolt projecting therefrom, a straight slotted arm secured to the bolt and clamped against the bracket by means of a wing nut whereby said arm may be rotated about said bolt or moved transversely thereof, one end of said arm having an opening lying in the plane of the arm and extending from one side thereof to the other, a frame having two spaced perforated lugs, a bolt extending through the lugs and through the opening in the arm so as to form a hinged connection between the frame and the arm and a plate of filter material secured in said frame.

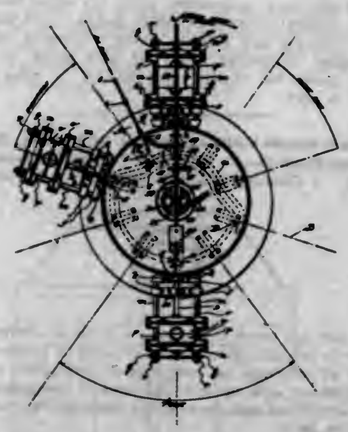
1,635,368. GUARDED OPENING SCREEN. MAHLON E. LAYNE, South Pasadena, Calif., assignor to Layne & Bowler Corporation, Los Angeles, Calif., a Corporation of California. Filed Mar. 7, 1927. Serial No. 173,403. 15 Claims. (Cl. 166—5.)

2. In a well screen; a pipe having inlet openings therethrough in a selected alignment; and guard strip means on said pipe aligned over said openings, said strip means being held away from the surface of the pipe to provide screen slots between the edges of said strip means and the surface of said pipe.



3. A well screen as in claim 2, in which said guard strip means are hollowed on the under face to form an enlarged space between said strip means and the face of said pipe in which fluid may flow.

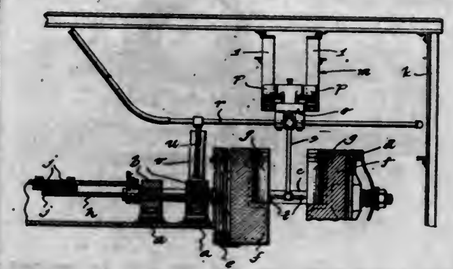
1,635,369. MOLDING APPARATUS. HARRY S. LEE, Plymouth, Mich. Filed Jan. 26, 1925. Serial No. 4,744. 7 Claims. (Cl. 22—88.)



1. In a molding apparatus, the combination of a conveyor for supporting mold sections, a pipe line provided with means at its end for affording a carbon-generating flame, and means for dropping the pipe into the mold sections when the conveyor brings the same to the pipe and for gradually withdrawing the end of the pipe therefrom, including a bar for affording a support for the pipe but permitting a limited relative movement thereto, said bar and pipe being carried along in a limited movement by the conveyor, cam means for raising the pipe gradually to distribute the carbon evenly over the mold, and cam means for also causing the bar to raise to disestablish the connection between the conveyor and the bar.

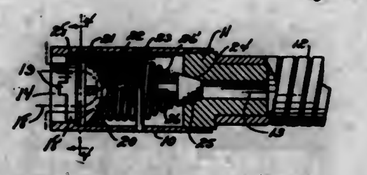
1,635,370. APPARATUS AND METHOD OF COATING MOLDS WITH CARBON. HARRY S. LEE, Plymouth, Mich. Filed Feb. 16, 1925. Serial No. 9,528. 5 Claims. (Cl. 22—188.)

5. In an apparatus for coating molds with carbon, the combination of a burner provided with means for projecting a fan-shaped sheet flame, said means located at a point substantially equi-distant from all points in the mold surface in the plane of the flame, and means for



moving said burner parallel to the surface of the mold and at right angles to the plane of the fan-shaped sheet flame.

1,635,371. COUPLING MEMBER FOR LUBRICATING DEVICES. ADOLPH LEVENSON, New York, N. Y. Filed Apr. 1, 1925. Serial No. 19,955. 1 Claim. (Cl. 285—176.)

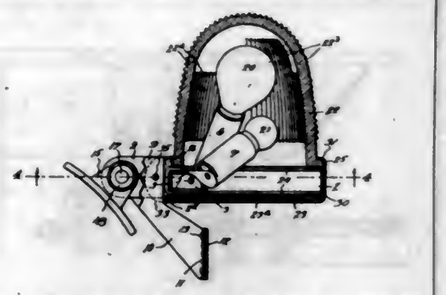


In a lubricating device, the combination with a grease cup having spaced radially disposed lugs, of a coupling member open at its outer end to receive said cup, a plug projecting from the other end of said member and having a longitudinal bore, a transverse pin arranged within said member, a valve, a spring interposed between the pin and valve and normally holding the latter seated to close said bore, an inwardly extending flange at the open end of the member and having spaced notches for the passage of said lugs, and notches to receive the lugs to prevent relative rotary movement between the coupling member and cup, a shoulder formed within the member above said flange, a concaved metallic plate slidably movable within said member, a packing at one side of said plate, said plate and packing having aligned central openings, a second spring arranged at the opposite side of said pin for normally holding the packing against said shoulder, said plate and packing being moved inwardly against the tension of said spring by said cup, whereby the plate holds said lugs engaged in the last mentioned notches.

1,635,372. SIGNAL LIGHT FOR VEHICLES. SAMUEL LIPPERT, Garfield Heights, Ohio, assignor to The Outlook Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 31, 1924. Serial No. 703,190. 11 Claims. (Cl. 177—329.)

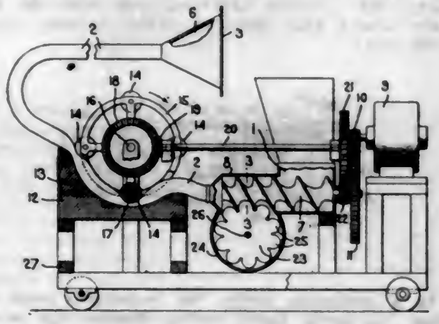
1. In a device of the character set forth, the combination of an annular base constructed of sheet metal and having an inwardly opening channel formation except at its ends where it terminates in ears, a fitting disposed within the portion of the base adjacent its ends and through which the ends are connected together with said ears engaging each other, said fitting incorporating

lamp sockets that project above the base, lamps supported by said sockets, a globe surmounting the base and enclosing said lamps, a split ring encircling the base and



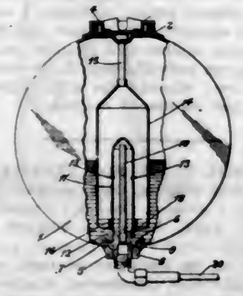
having a part cooperating with the globe for securing it to the base, and means for connecting the ends of said ring to the aforesaid ears of the base.

1,635,373. PLASTERING MACHINE. JOHN LOFHOLM, East Braintree, Mass. Filed Sept. 21, 1926. Serial No. 136,750. 6 Claims. (Cl. 72—130.)



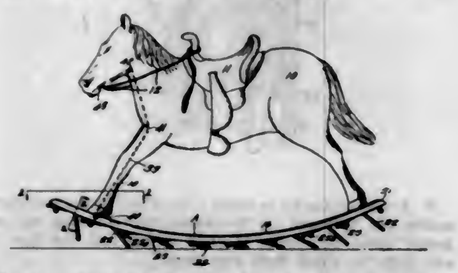
1. In a plastering machine the combination with a flexible pipe through which plaster or mortar is delivered to a wall, of means for feeding plaster to said pipe, and means acting on the exterior of the pipe to positively force the plaster therethrough.

1,635,374. LIQUID-LEVEL INDICATOR. LEWIS A. MAPEL, St. Louis, Mo., assignor to The Automatic Appliance Company, St. Louis, Mo., a Corporation of Missouri. Filed June 9, 1921. Serial No. 476,334. 9 Claims. (Cl. 73—54.)



1. The combination with a tank from which liquid is to be withdrawn and provided with a filling opening, of an element adapted for manipulation dependently and as an incident to the filling of the tank, a pressure chamber in which air is normally confined by said liquid, an indicating device communicating with said chamber and responsive to the varying head of said liquid, and means operatively connected with said element and cooperating with said chamber when the element is manipulated to expose said chamber to the atmosphere.

1,635,375. AMUSEMENT DEVICE. KENNETH ARNET MATHERS, Haskins, Iowa. Filed Oct. 13, 1924. Serial No. 743,383. 3 Claims. (Cl. 272—53.)



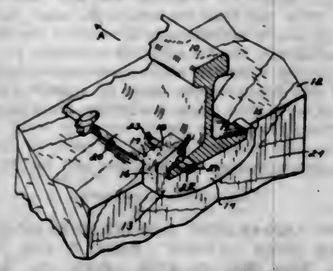
3. In a device of the class described, a rocker, a pair of series of feet pivoted thereto, stops for limiting the pivotal movement of one series of said feet in one direction and the other series in the other direction whereby one series depends from the rocker at an angle in one direction and the other series depends therefrom at an angle in the other direction, means for rendering one series of said feet inoperative while the other series is free for pivotal movement, said means comprising a slidably mounted rod, shifters slidably mounted thereon and adapted to engage either of said series of feet, resilient means for causing said shifters to move when said rod is slid.

1,635,376. GOLF TEE. CLOYD A. MCILVAINE, Balboa Heights, Canal Zone. Filed Mar. 15, 1926. Serial No. 94,787. 2 Claims. (Cl. 273—33.)



1. A golf tee blank comprising a strip of flexible material with straight, downwardly tapered or pointed projections at intervals on one side to form legs, having a longitudinal slot in one end and a complementary tongue with head and neck in the opposite end for connecting its ends.

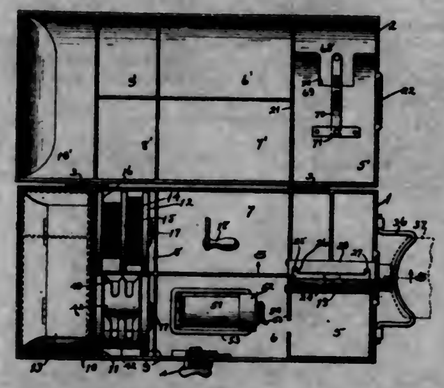
1,635,377. RAIL ANTICREEPER. EMERY M. MCVICKER, Milwaukee, Wis. Filed Apr. 3, 1926. Serial No. 99,476. 8 Claims. (Cl. 238—324.)



1. In an anti-creeper for railway rails the combination with a member having a portion engageable with a vertical face of a tie, a portion engageable with and beneath

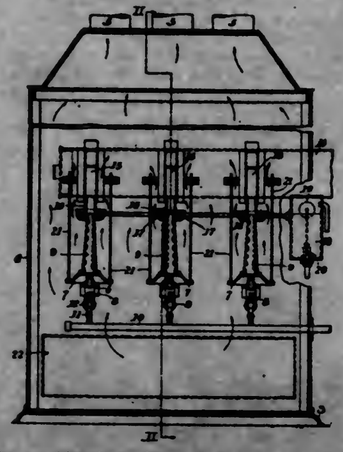
a rail flange, and a portion overlying the rail flange, of a longitudinally tapered wedge interposed between said overlying portion and the top of the rail flange for effecting a positive gripping pressure vertically applied between said member and flange.

1,635,378. COMBINED FISHING-TACKLE BOX AND LINE WINDER AND DRIER. EDWARD C. MEAD, Elkhart, Ind. Filed Oct. 17, 1925. Serial No. 63,142. 18 Claims. (Cl. 43—31.)



1. In a tackle box a plurality of spaced spool bodies, a plurality of compartments each adapted to receive one of said spool bodies, and another compartment with which a spool support is rigidly associated, said spools being selectively mountable on said support.

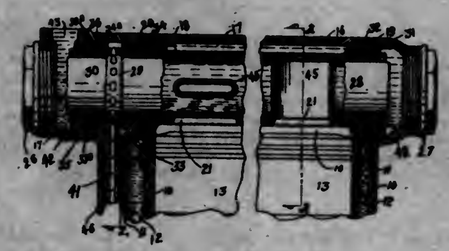
1,635,379. HEATING APPARATUS. WALLACE W. MILER, Steubenville, Ohio. Filed June 23, 1926. Serial No. 118,066. 6 Claims. (Cl. 126—116.)



1. The combination with a fuel burner radiant, of a plate for absorbing light rays therefrom and means for directing a current of air between said radiant and the plate.

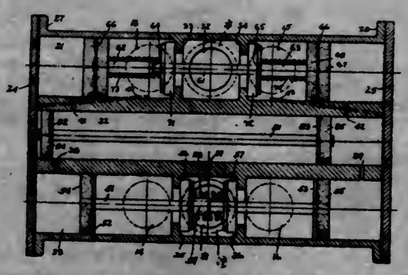
1,635,380. ROTARY-VALVE STRUCTURE. ELDON H. MITCHAM, Charlton, Iowa. Filed Apr. 7, 1926. Serial No. 100,326. 2 Claims. (Cl. 123—177.)

1. In a structure of the class described, an engine block having cylinders, a head supported on said block, a rotary tubular valve in said head, packing and packing glands in said head and surrounding said valve adjacent the ends thereof, one end of said valve projecting beyond its packing gland and having a sprocket secured thereon and having beyond said sprocket an extending portion, a housing secured to said head and covering said sprocket



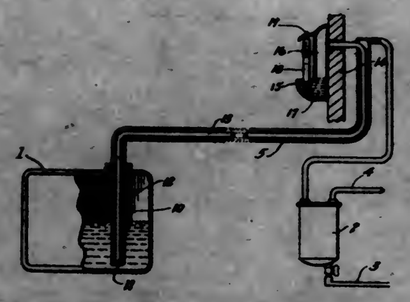
and extending portion, an annular rib on the interior of said housing surrounding said extending portion, a packing and a packing gland in said annular rib, and water jacket spaces in said head and said housing at the ends of said valve whereby water may circulate through the valve from one of said spaces to the other.

1,635,381. PLURAL LIQUID-DISTRIBUTING SYSTEM. DWIGHT S. MORROW, Milan, Ohio. Filed Sept. 8, 1925. Serial No. 55,058. 8 Claims. (Cl. 137—79.)



1. A device of the character described, having in combination a distributing valve, means connecting said valve with two sources of fluid supply of different character, and automatic means for controlling the ports of said valve to change from one fluid supply to another, while preventing intermixture.

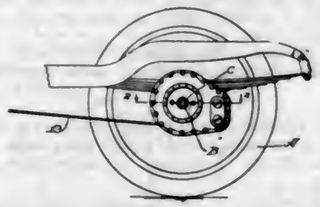
1,635,382. GASOLINE GAUGE. HENRY MOSSBACH, Seattle, Wash. Filed Mar. 1, 1923. Serial No. 621,982. 3 Claims. (Cl. 73—54.)



1. The combination with a fuel supply tank and a fuel feed system including a pipe that is extended into the said tank and has a restricted inlet, and means whereby suction is created intermittently in said pipe to effect a

withdrawal of fuel from the tank, of an indicating device comprising a closed receptacle containing an indicating liquid and a gauge tube open to atmosphere at its upper end and communicating at its lower end with the indicating liquid in the receptacle and in which the indicating liquid will rise and fall in accordance with variations of pressure within the receptacle, an air tube connected at one end with the top of the said receptacle and having its other end disposed within the suction pipe in such manner as to receive fuel therein from the fuel tank during inactive periods of the suction means to thereby effect a rise of the indicating liquid in the gauge tube, there being created during active periods of the suction means an inward flow of air through the gauge tube, indicating liquid and receptacle which removes liquid from the gauge tube and fuel from the air tube.

1,635,383. HYDRAULIC BRAKE. DAVID NETTENSTROM, Chicago, Ill. Filed June 1, 1925. Serial No. 33,868. 12 Claims. (Cl. 188—92.)



1. A brake for a vehicle wheel comprising a relatively fixed fluid-tight casing, a pair of intermeshing gears journaled therein operatively connected for rotation by the vehicle wheel, the casing wall being formed with non-adjacent portions fitted snugly around segments of said gears respectively and having an inlet and an outlet separated from each other by the intermeshing teeth of the gears and connected by a passage for fluid, together with a valve controlling the flow through said passage.

1,635,384. CASE-HARDENING PROCESS FOR STEEL ARTICLES. FRANZ PACHER, Dusseldorf-Rath, Germany. Filed Nov. 21, 1925, Serial No. 70,675, and in Germany Nov. 17, 1924. 2 Claims. (Cl. 148—13.)

2. A process for treating a steel article which consists in carburizing an external layer of such article, heating the article throughout to a temperature which will relieve internal stresses but which is below hardening temperature, then heating said layer to such a temperature as will produce a glass-hard condition therein upon subsequent quenching from such temperature while not substantially raising the temperature of the remainder of the article, and then quenching the article.

1,635,385. CHAIN LINK. NORVIN PERAY, Tompkinsville, N. Y. Filed July 21, 1921. Serial No. 486,411. 12 Claims. (Cl. 59—92.)



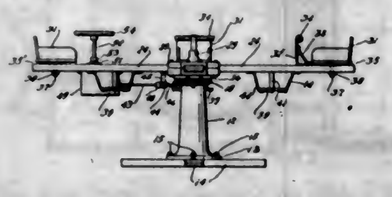
1. A chain link comprising a single continuous strand of material bent to form two-single-strand loops, the free end of one of said loops being threaded through the other of said loops and bent back on itself, and the free end of said other loop being coiled about said link adjacent the point of connection of said loops.

1,635,386. CLASP. EDWARD PIERSON, Calumet City, Ill. Filed Feb. 17, 1925. Serial No. 9,855. 1 Claim. (Cl. 24—222.)



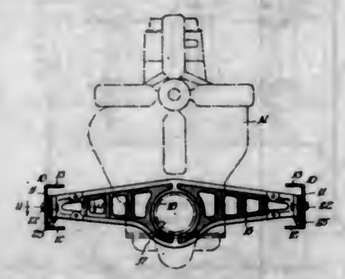
In combination; a pair of plates provided with sewing perforations peripherally disposed, one of the plates provided with a keyhole slot, the keyhole slot provided with a channel formed by bending the metal into opposing arcs the metal being pushed out in forming the keyhole slot, the other plate provided with a knob, the arcs adapted to receive and retain the knob when inserted from the side of the first plate opposite to that of the struck up portions.

1,635,387. MERRY-GO-ROUND. JOSEPH R. PULLEN, Chicago, and WILLIAM L. FIENE, Elmhurst, Ill. Filed July 2, 1923. Serial No. 649,126. 1 Claim. (Cl. 272—33.)



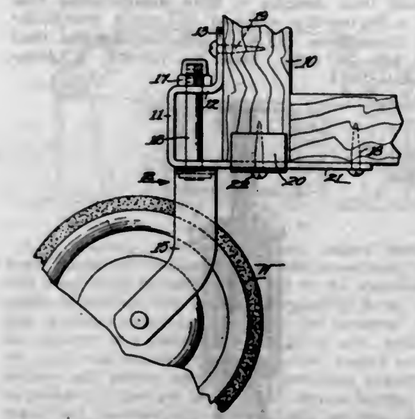
A merry-go-round comprising a stationary pedestal, a frame on said pedestal with a ball race on its under face, said frame including a radially extending beam, a gear fixed at the upper end of said pedestal and provided with a ball race on its upper face to correspond to the first said ball race and having antifriction bearings therein for rotatably mounting said frame with said bearings upon said gear, brackets beneath said beam, a shaft journaled in said brackets and having a pinion engaging said gear beneath said frame, a seat at the outer end of said beam, and crank means and hand levers thereon, mounted on said beam, at each side of said seat, and actuated by both hands or either hand from said seat for operating said shaft and rotating said frame on said pedestal.

1,635,388. MOTOR VEHICLE. JOHN RUSE, Doylestown, Ohio. Filed May 29, 1924. Serial No. 716,564. 3 Claims. (Cl. 180—64.)



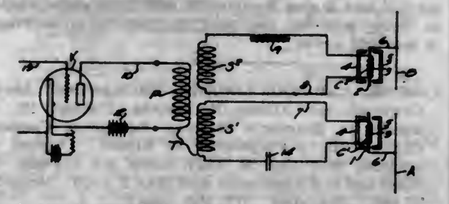
1. In a motor vehicle, the combination of a chassis having side members, a motor, and motor supporting means comprising but two members, both of which extend between said chassis side members, spacers secured to said side members for positioning said supporting means, said motor supporting members each having downwardly extending feet for sliding on one portion of said chassis side members and each having laterally extending portions for cooperating with another portion of said chassis side members for guiding the motor supporting members in their movements as they are being applied to and withdrawn from cooperative relationship with said spacers.

1,635,389. WHEEL-ATTACHING DEVICE. WILFORD P. SHUFFLETON, Gardner, Mass., assignor to Gem Crib & Cradle Company, Gardner, Mass., a Corporation of Massachusetts. Filed June 4, 1925. Serial No. 34,963. 2 Claims. (Cl. 16—20.)



1. A wheel attaching device comprising a substantially U-shaped bearing member having one straight leg and having the end portion of the other leg bent outwardly, substantially at a right angle and having bearing openings in the two legs of said bearing member adjacent the closed end thereof, fastening elements extending through openings in the ends of said legs into supporting surfaces perpendicular to each other to secure said devices in position, and a U-shaped clip extending crosswise of the lower leg of said bearing member and frictionally engaging the frame to which it is attached and embracing said member.

1,635,390. ELECTRIC SOUND REPRODUCER. ADOLPH A. THOMAS, New York, N. Y. Filed Mar. 15, 1926. Serial No. 94,676. 9 Claims. (Cl. 179—1.)

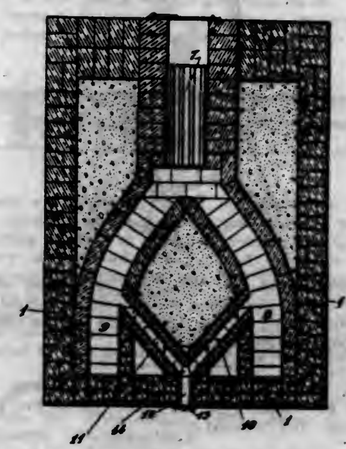


1. A sound reproducer having a pair of diaphragms, electromagnetic mechanism for operating each diaphragm independently of the other, said mechanism being controlled by electric impulses representing transmitted sound, and means for so controlling said mechanism that said electric impulses cause said diaphragms to vibrate slightly out of unison.

1,635,391. METHOD OF AND PRODUCT FOR MAKING PLASTER. GEORGE B. WOOD, Rockland, Me., assignor to Rockland & Rockport Lime Corporation, Rockland, Me., a Corporation of Maine. Filed July 16, 1925. Serial No. 44,108. 5 Claims. (Cl. 106—24.)

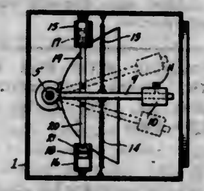
5. As a new composition of matter, a mixture for making plaster, consisting of an unsoftened vegetable fibre and pulverised unslaked lime, the particles of lime being of a size and in quantity sufficient to render in slaking substantially the entire mass of fibres soft and flexible.

1,635,392. OVEN. CLARENCE WILLIAM AIRD, Brantford, Ontario, Canada, assignor to The Brantford Oven & Rack Co. Limited, Brantford, Ontario, Canada, a Corporation of Ontario. Filed May 22, 1924. Serial No. 715,211. 3 Claims. (Cl. 107—55.)



3. An oven comprising an oven bottom, a fire box beneath the oven bottom, vertical flues at the opposite end of the oven to the fire box, two horizontal flues beneath the oven bottom diverging from the fire box to the vertical flues, and a flue consisting of two converging arms connecting the horizontal flues interjacent the fire box and the vertical flues for creating a suction from one of the horizontal flues to the other and maintaining an even distribution of heat at both sides of the oven bottom.

1,635,393. DIRIGIBLE HEADLIGHT. ALEXANDER E. AMANS, Lacey, Wash. Filed Mar. 11, 1925. Serial No. 14,600. 1 Claim. (Cl. 240—62.)



In a headlight, a housing, a vertical shaft rotatably mounted in said housing, a reflector fixed to said shaft, a lamp within the reflector, an arm fixed to the shaft and extending horizontally in the axial direction of the reflector, a weight adjustable on said arm, and springs fixed to the arm and to the housing to yieldably retain the arm at a neutral position but yieldable to permit the arm to swing to one side or the other in accordance with the inclination of the said shaft toward one side or the other, air cylinders mounted in said housing at opposite sides of the arm, pistons operable in said cylinders and links connecting the pistons with the arm.

1,635,394. ADVERTISING STAND. RUSSELL W. ANDERSON, Detroit, Mich. Filed Aug. 22, 1924. Serial No. 733,525. 1 Claim. (Cl. 40—125.)

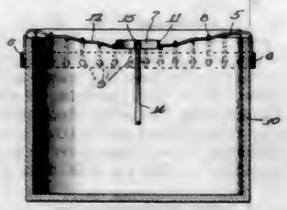
An advertising stand comprising a rectangular frame-like base having angle iron sides with upstanding flanges, a display plate, a support therefor in the form of a one-piece inverted U-shaped frame constructed of T-iron with the web thereof extending inwardly of said frame, said plate having its upper edge conforming to the shape of the upper curved portion of the U-shaped frame and hav-

ing said edge secured closely in the angle of the T-iron, said support having its ends resting on the angle irons of said base and attached to the upstanding flanges



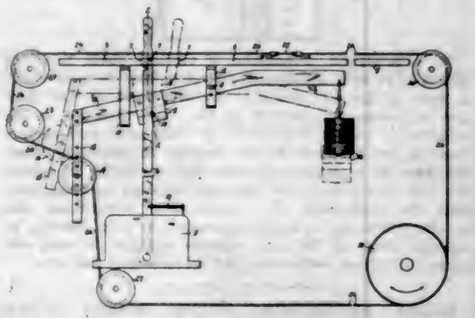
thereof intermediate the front and rear edges of said base, and braces connecting the ends of said angle irons to said support and bearing against the webs of said support at points below said plate.

1,635,395. ASH RECEIVER. CHARLES J. BOB, Pittsburgh, Pa. Filed Feb. 24, 1925. Serial No. 11,035. 3 Claims. (Cl. 131—51.)



1. In combination with an ash receiver having a top provided with an aperture for the passage of ashes, cigar butts or the like, a deflector comprising a member having a comparatively narrow edge disposed substantially centrally beneath said aperture.

1,635,396. AUTOMATIC STOP FOR DOUBLE-PILE-FABRIC LOOMS. CHARLES A. BONDZIULIS, Waterbury, Conn. Filed Mar. 25, 1926. Serial No. 97,426. 2 Claims. (Cl. 139—336.)



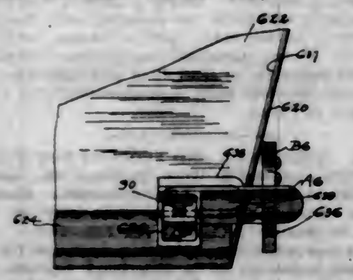
1. In a double-pile fabric-loom, the combination with the power-control mechanism, pile-cutting knife-cord and reed-beam thereof, of a pivotal bar adapted to oscillate in a plane substantially parallel with the said reed-beam, a knife-cord pulley carried by the said bar, a bodily-movable spring-extended trip-plunger also carried by the said pivotal bar and normally held out of the path of the said reed-beam by the tension of the said knife-cord, means yieldingly tending to move the said trip-plunger bodily into the path of the said reed-beam, means for releasably holding the control-mechanism in its "on" position, and yielding means normally urging the power-control mechanism into its "off" position, whereby the trip-plunger is bodily moved into the path of the said reed-beam for engagement thereby to effect the stoppage of the loom when the knife-cord becomes slack.

1,635,397. VEHICLE JACK. JOHN H. BURKHOLDER, Ashland, Ohio, assignor to Elite Manufacturing Company, a Partnership composed of John H. Burkholder, P. E. Countryman, and E. L. Kilhefner, Ashland, Ohio. Filed June 24, 1924. Serial No. 722,014. 2 Claims. (Cl. 254—102.)



1. A vehicle jack, comprising a standard, a rotatable main screw having screw connection with said standard, a secondary lift screw mounted within said main screw, a vertically-movable sleeve member suspended from said main screw having a channeled portion engaging said standard and adapted to prevent rotation of said secondary screw, means adapted to rotate said main screw, a bolt extending through the side of said standard and a supporting leaf spring for said bolt secured to the outer side of said standard opposite said channeled portion, and a stop shoulder on said main screw adapted to engage said bolt and limit the longitudinal movement of said lift screw.

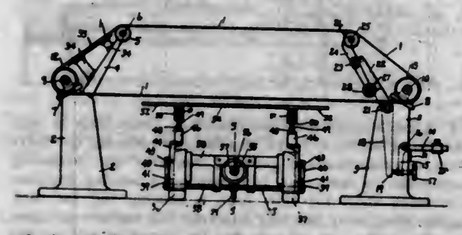
1,635,398. CAR-DOOR-LOCKING MECHANISM. ARGYLE CAMPBELL and ALBERT E. ZIMMER, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 26, 1921, Serial No. 495,665. Divided and this application filed May 2, 1925. Serial No. 27,363. 13 Claims. (Cl. 105—308.)



1. In a dump car, the combination with a dumping door; of a beam extending adjacent the free edge of the door and terminating adjacent a side edge of the door; a

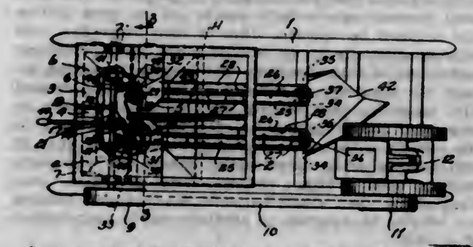
bar pivotally mounted on said beam, said bar extending continuously from the terminus of said beam beyond the side edge of the door and constituting a longitudinally disposed supporting extension of the beam; and a shouldered bracket on the car engagable with the bar on the door to maintain the door in closed position.

1,635,399. SANDING MACHINE. EDWARD J. FISCHER, Crescent Springs, Ky. Filed Apr. 15, 1924. Serial No. 706,665. 2 Claims. (Cl. 51—137.)



1. A sanding machine including spaced standards, arms projecting upwardly from said standards, one of said arms being pivotally connected to the standard from which it extends and having a depending lever, adjustable means bearing on said lever for normally forcing the pivoted arm away from the other arm, pulleys on the arms and standards, a sanding belt looped over said pulleys and having upper and lower runs spaced apart to permit an operator to force the central portion of the lower run downwardly, a work-table beneath the belt adapted to carry the article to be surfaced by the sanding belt, said pivoted arm consisting of upper and lower sections pivotally connected together to permit the upper section to be shifted laterally, and means for adjusting the upper section relatively to the lower section.

1,635,400. CORN-HUSKING MACHINE. HENRY F. FRERISE, Old Monroe, Mo. Filed Oct. 6, 1926. Serial No. 139,834. 3 Claims. (Cl. 130—5.)



1. A corn husking machine comprising a platform, said platform having a slot, provided with a flaring mouth, an abutment block fixed beneath the platform and adjacent to said slot, a crank-arm disposed below said block, and a roller vertically disposed on the free end of the crank-arm, means for revolving said roller about the block, the said slot in the platform being adapted to receive an ear of corn as the stalk is disposed on the platform, means for holding the stalk in place when the crank is rotated to lift the ear of corn to a position so that the roller will warp said ear over the abutment, thereby breaking the ear from the stalk.

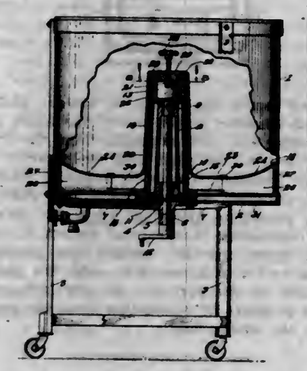
1,635,401. WINDSHIELD-CLEANER MOTOR. FRED G. FOLBERTH, Cleveland, Ohio, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y., a Corporation of New York. Filed Aug. 11, 1924. Serial No. 731,286. 8 Claims. (Cl. 121—164.)

1. A windshield cleaner motor comprising a casing consisting of a central cylindrical section and cup-shaped end sections having their open ends fitting the opposite ends of the central section with an air tight joint, an air tight partition between each end section and the central section, a hollow piston rod slidably supported in each partition, a piston connected to each end of the rods, one piston operating in each end section and dividing the same into inner and outer chambers and two pistons operating in the central section and defining end chambers lying between the partitions and the respective pistons, each piston rod establishing communication between the



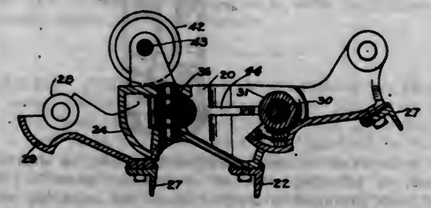
adjacent end chamber of the central section and the outer chamber of the adjacent end section, means for connecting a source of operating pressure first to one end chamber of the central section and the inner chamber of the remote end section and then to the opposite end chamber of the central section and the inner chamber of the opposite end section, and a connecting member joining the two pistons in the central section and operatively connected to said means for operating the same.

1,635,402. WASHING MACHINE. BENJAMIN E. GETZ, Morton, Ill. Filed May 7, 1925. Serial No. 28,550. 12 Claims. (Cl. 259—101.)



1. In a washing machine, a "dolly" provided with a plurality of radially arranged raised baffle members and substantially flat perforated portions therebetween, said baffle members having upwardly converging and concave side walls and with an upper surface curved upwardly to the outer ends of said baffles.

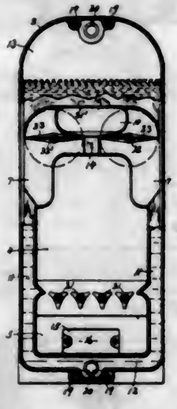
1,635,403. TREAD CHAIN FOR TRACTORS. ORRA L. GILLILAND, Minneapolis, Minn., assignor of one-fifth to E. Luther Melin, Minneapolis, Minn. Original application filed June 25, 1920, Serial No. 391,724. Divided and this application filed Nov. 12, 1921. Serial No. 514,618. 12 Claims. (Cl. 305—10.)



6. A traction belt for tractors comprising one set of links having at one end semi-spherical heads, said heads having oppositely disposed slots through the sides there-

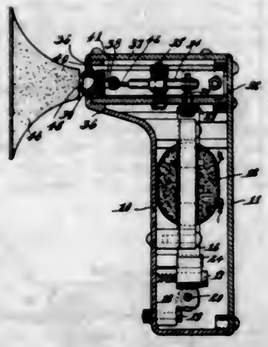
of, a set of links respectively connected to said links, pivot pins connected to the connected links passing through said slots and having conical rollers thereon movable in said slits.

1,635,404. HOT-WATER AND STEAM HEATER. WALLACE F. GOODNOW, Greenwich, Conn., and GEORGE H. VICKERS, Eastwood, N. Y., assignors to Pierce, Butler & Pierce Manufacturing Corp., Syracuse, N. Y., a Corporation of New York. Filed Dec. 24, 1923. Serial No. 682,425. 2 Claims. (Cl. 122—225.)



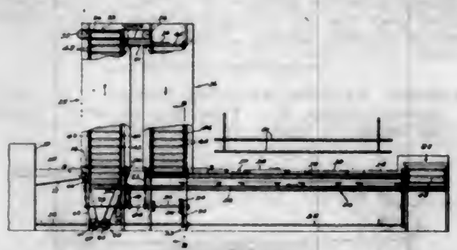
1. A water heater comprising an upright shell having a combustion chamber and a smoke flue above the combustion chamber and both extending from the front wall to the rear wall of the shell, said shell having separate uprights fire passages connecting opposite sides of the combustion chamber with corresponding sides of the smoke flue, partitions extending vertically between the top of the combustion chamber and bottom of the smoke flue and between opposite upright fire passages, and baffle plates rotatably mounted in said fire passages at opposite sides of the partition for regulating the passage of the products of combustion from the combustion chamber to the smoke flue.

1,635,405. ELECTRICAL VIBRATOR. WILLIAM E. GRAY, Chicago, Ill. Filed Sept. 21, 1925. Serial No. 57,563. 8 Claims. (Cl. 128—52.)



1. A device of the class described comprising an electromagnet; a vibrating armature cooperating therewith; a slide block arranged in guides; means for mounting various reciprocatory appliances on said block; and an operative connection between said block and said armature, substantially as described.

1,635,406. CONVEYER. JESSE W. GREER, Cambridge, Mass. Filed Jan. 26, 1925. Serial No. 4,762. 9 Claims. (Cl. 107—7.)



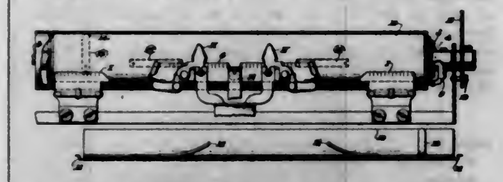
4. A machine of the class described, comprising in combination, a series of trays, means for advancing the trays along a predetermined path, a conveyer for delivering confections to each tray as it reaches a loading position, a covering sheet for each tray, a take-up roll for feeding the sheet over the tray to carry the confections upon the tray and a let-off roll for the opposite end of the sheet, means for rotating the take-up roll while the tray is in the loading position, and means for winding the sheet back upon the let-off roll before the tray again reaches the loading position.

1,635,407. PISTON RING. RAY GROVER, Milwaukee, Wis. Original application filed Feb. 27, 1922, Serial No. 539,487. Divided and this application filed July 27, 1925. Serial No. 46,290. 1 Claim. (Cl. 74—109.)
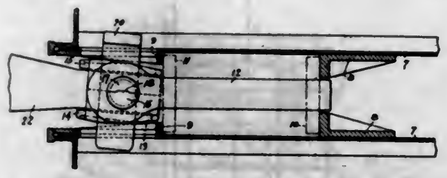


A piston ring comprising a split ring having square cut transverse shoulders adjacent its ends on its inner periphery and provided in its outer periphery with marginal recesses substantially square cut in cross section and disposed on opposite sides of their respective ends with substantially plane radially outer bearing surfaces continuous to said shoulders, and tongues projecting beyond the shoulders at the end of the ring and formed with laterally inner bearing surfaces complementary to each other and radially inner surfaces complementary to the radially outer surfaces of said recesses, the ends of said tongues being substantially square cut and their radially inner bearing surfaces being continuous substantially to their respective ends, whereby said tongues are adapted to maintain an effective seal in any position of overlap.

1,635,408. TYPEWRITING MACHINE. GEORGE F. HANDLEY, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 24, 1926. Serial No. 150,448. 9 Claims. (Cl. 197—136.)



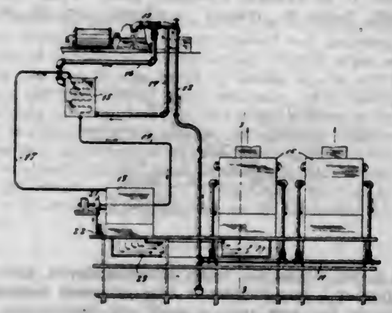
1. A card holding attachment for a platen comprising a plate curved similarly to the curvature of the platen, means at each end of the plate for attaching the same to the platen, and a plurality of flat springs attached to the inside of the plate and engaging the platen.

1,635,409. DRAFT-GEAR APPARATUS. SOREN HANSSON, Butler, Pa., assignor to John H. Allman, trustee, Butler, Pa. Filed Oct. 9, 1925. Serial No. 61,452. 4 Claims. (Cl. 213—71.)



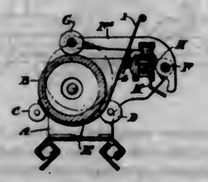
1. Draft gear structure comprising a yoke, a pair of head members disposed between the forward end portions of said yoke, a pivotal connection between said head members and said yoke, and means for connecting a draw bar to said head members.

1,635,410. STEAM-POWER SYSTEM. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Jan. 10, 1925. Serial No. 1,514. 4 Claims. (Cl. 60—73.)



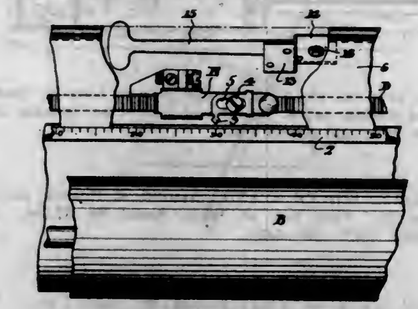
1. In a steam power system, a multi-stage prime mover, a main steam generator to supply steam to said prime mover, an exhaust steam heater through which exhaust steam passes between stages in said prime mover, an auxiliary steam generator, connections between said auxiliary generator and said heater to deliver steam to said heater at a temperature higher than that of the exhaust steam passing therethrough, and a duct to lead the flue gases from said auxiliary generator to the steam generating surfaces of said main steam generator.

1,635,411. TYPEWRITING MACHINE. EDWARD B. HESS, Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed June 18, 1926. Serial No. 116,872. 10 Claims. (Cl. 197—63.)



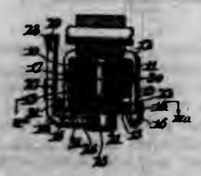
1. In a typewriting machine, the combination of a margin stop bar, stops adjustable thereon, a paper table lying in front of and close to said stop bar, a scale on the rear side of said table adjacent said stops, and a mounting for said paper table permitting its movement forwardly to bring said scale into view and expose said stops for ready adjustment from the front of the machine.

1,635,412. TYPEWRITING MACHINE. EDWARD B. HESS, Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 1, 1926. Serial No. 133,002. 6 Claims. (Cl. 197—63.)



1. In a typewriting machine, the combination of a paper apron, a scale extending across the front of said apron at its rear top edge, a pivoted paper table having its lower edge abutting the upper edge of the paper apron when the parts are in normal position, a stop bar immediately behind and closely adjacent the upper edge of the paper apron, a stop carried thereby and having an indicating portion registering with the scale, the relative position of the parts being such that when the paper table is swung to inoperative position the stop may be set at any desired point by direct comparison of the indicating portion with the scale.

1,635,413. LUBRICATION OF VEHICLE SPRINGS. FRANKLIN G. HIRST, Philadelphia, Pa. Continuation of application filed Apr. 4, 1921, Serial No. 458,380. This application filed Feb. 23, 1922. Serial No. 538,532. 9 Claims. (Cl. 267—50.)

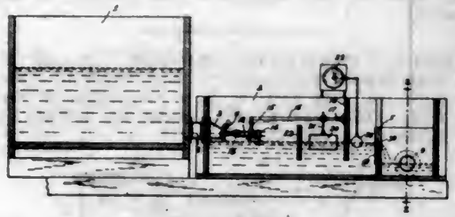


1. The combination with a leaf spring comprising a set of superposed leaves, a securing bolt extending through them with a channel along its exterior, and a head member against the spring; of an oil receptacle mounted about and internally engaging said head member, and thereby centered around it, with its interior in communication with said channel.

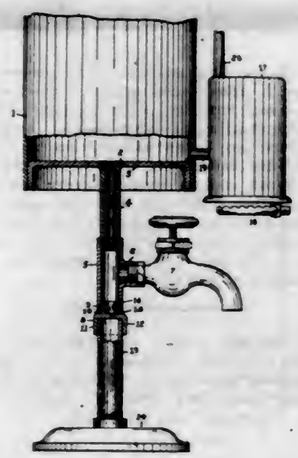
1,635,414. FLOW REGULATOR. FREDERICK W. HIRST, Ewing Township, Mercer County, N. J. Filed June 12, 1926. Serial No. 115,511. 1 Claim. (Cl. 137—68.)

A flow regulator comprising a receiving tank to which liquid is irregularly admitted; a control tank; a conduit connecting said tanks; means for maintaining the liquid level in said control tank substantially constant, comprising a gate controlling the flow through said conduit, a pivoted actuating arm for said gate, a pair of spaced baffles in said control tank, a lever pivoted at one end to

one of said baffles and connected at its other end to said actuating arm, and a float in said control tank between said baffles and connected to said lever at a short distance from its pivoted end; and a weir normally positioned slightly below the level of said valve, forming an outlet from said control tank.



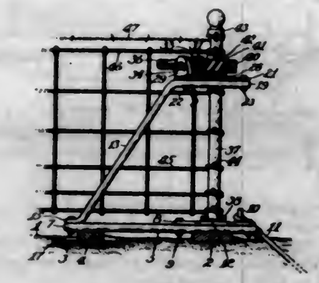
1,635,415. BOILER STAND. SAMUEL E. HOPPER, Crafton, Pa. Filed Feb. 10, 1926. Serial No. 87,280. 1 Claim. (Cl. 126—363.)



In a boiler stand, a nipple for attachment to a boiler, a pipe-fitting attached to the lower end of the nipple and having a lateral opening and a vertical opening throughout its length, a faucet connected to the lateral opening, a fitting closing the lower end of the pipe-fitting and having a downwardly-open socket, a leg having its upper end in the socket, and a base supporting the lower end of the leg.

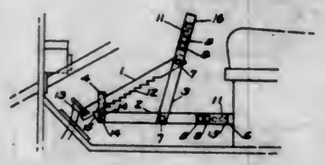
1,635,416. FENCE-TIGHTENING POST. NELSON F. HOWARD, La Fayette, Ind. Filed Jan. 19, 1923, Serial No. 613,573. Renewed June 12, 1926. 2 Claims. (Cl. 254—161.)

1. A fence-tightening post comprising an end sill, two side sills rigidly connected to the end sill, a base plate rigidly secured to the side sills and having a journal bearing in its top, two inclined angle-brace members secured to the end sill and having horizontal arms respectively on the upper ends thereof positioned separately on one and the same plane materially above the base plate, a top plate rigidly secured upon said arms and having two journal blocks fixed on the top thereof and adjacent to the upper ends of the inclined members, the top plate having also a journal bearing therein, a perforated winding-shaft rotatably supported in said journal bearings and extending higher than the top plate, a gear wheel secured to the winding-shaft upon the top plate, and a power worm arranged between said journal blocks in mesh with the gear wheel and having journal members



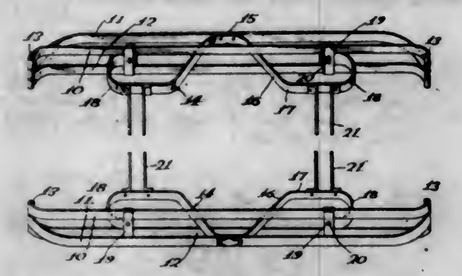
rotatably supported by the blocks, one of the journal members extending out beyond the top plate to be engaged for rotating the worm.

1,635,417. AUTOMOBILE BRAKE ADJUSTER. RAYMOND C. HUMPHREY, Pittsfield, Mass. Filed Dec. 10, 1926. Serial No. 154,015. 4 Claims. (Cl. 29—84.)



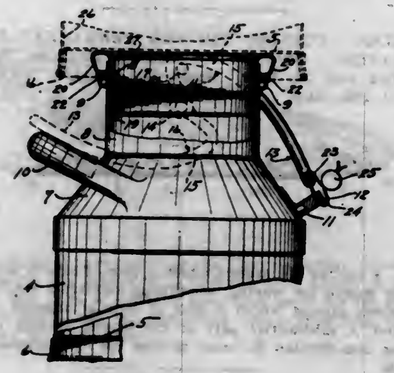
1. In an automobile brake adjusting device, the combination of a base member, a base extension member attached to the said base, a guide attached to the base member, a handle pivoted to the base member, a handle extension member attached to the handle, a depressing member pivoted to the said handle and in the same perpendicular plane with and above the base member.

1,635,418. AUTOMOBILE BUMPER. MIKE N. HURLEY, Whittier, Calif. Filed Oct. 5, 1925, Serial No. 60,666. Renewed May 25, 1927. 5 Claims. (Cl. 293—55.)



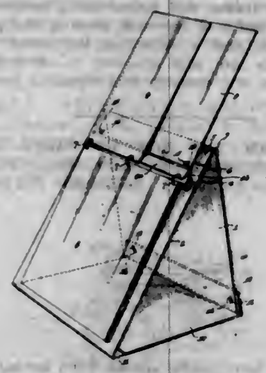
5. A vehicle bumper comprising three transverse bars, means connecting the ends of the bars together, a fourth bar having its central portion connected to the middle bar adjacent its middle, means connecting the fourth bar to a vehicle frame adjacent its ends, and means connecting the ends of the fourth bar to the top and bottom bars intermediate their ends.

1,635,419. MILK CAN. MARK ISAACS, Minneapolis, Minn. Filed Dec. 6, 1926. Serial No. 152,840. 3 Claims. (Cl. 220—56.)



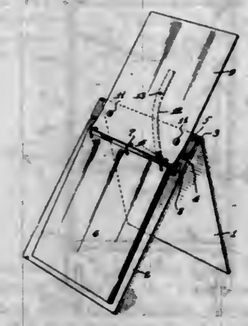
1. The combination with a milk can having a depressed cover telescoped into the neck thereof and provided with a pair of radially projecting axially aligned studs spaced below the top of the cover, a handle in the cover not above the top thereof, said can and cover having cooperating clamping surfaces, and a bail pivoted to the can and having cam-acting cranks arranged to engage said studs by a movement of the bail to press said cover onto the can and lock the same thereto, said bail, when locking the cover on the can, being below the top of said cover to permit a similar can to be supported on said cover.

1,635,420. DISPLAY BOOK. STANLEY G. JOHNSON, Detroit, Mich., assignor to The Burkhardt Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 13, 1926. Serial No. 154,601. 2 Claims. (Cl. 281—33.)



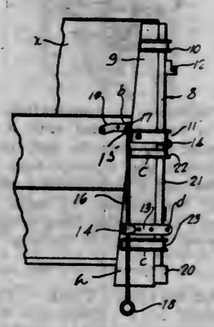
1. In a loose-leaf binder, a reversible cover comprising front and back boards, binder mechanism secured to one of said boards, a fly-leaf swingably mounted on said binder mechanism, and a tongue on said fly-leaf adapted to engage behind the binder mechanism when the fly-leaf is in its raised position.

1,635,421. DISPLAY BOOK. STANLEY G. JOHNSON, Detroit, Mich., assignor to The Burkhardt Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 13, 1926. Serial No. 154,602. 5 Claims. (Cl. 281—33.)



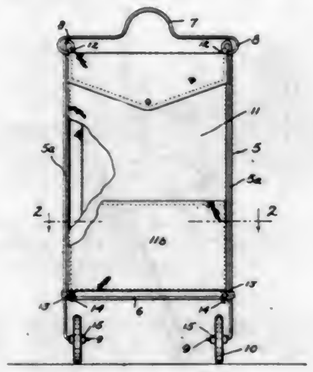
1. In a binder, a cover adapted to be reversed from a normal closed position to provide an inverted V-shaped easel, said cover comprising front and back boards hingedly connected to the edges of an intermediate member, a loose-leaf binder mechanism mounted on one of said boards proximate to said intermediate member, a fly-leaf of stiff material carried by said binder mechanism, and means for securing said fly-leaf in a raised position to the intermediate member of said cover whereby said fly-leaf is supported in a raised position and maintains said intermediate portion in practical alignment with the cover board forming the front of the easel.

1,635,422. COMBINED END GATE AND PLATFORM. JOHN H. KEESEE, Griswold, Iowa. Filed Dec. 27, 1926. Serial No. 157,024. 1 Claim. (Cl. 296—51.)



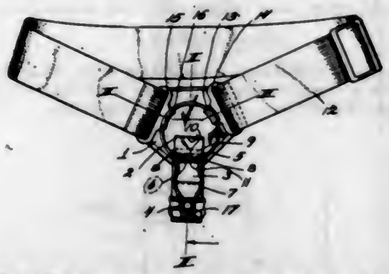
In a closure device for a vehicle box open at its end and provided with apertured guides at its sides, a platform provided with staples, a gate provided with reinforced strips having angularly disposed terminal portions and mounted on the platform to permit swinging movements thereof to dispose the terminal portions of the reinforcing strips at opposed parts of the platform, said platform and gate being adapted to engage the open end of the box, its staples engaging in the apertures of said guides, and a pair of links each provided with a hook removably mounted in a staple.

1,635,423. PARCEL CARRIER FOR SHOPPERS. ANNA M. LAPHAM, St. Paul, Minn. Filed June 13, 1924. Serial No. 719,802. 3 Claims. (Cl. 280—51.)



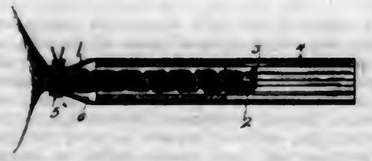
3. A parcel carrier for shoppers comprising a flat skeleton frame having a handle at its upper end and having its longitudinal sides projected and bent inwardly to form a pair of stub axles, a wheel rotatably secured to each of said axles so formed, and a parcel receptacle secured to said frame.

1,635,424. GARMENT SUPPORTER. ROCKWELL M. MACCORMAC, Kansas City, Mo. Filed Mar. 10, 1924. Serial No. 698,102. 3 Claims. (Cl. 241—6.)



1. In a hose supporter, in combination, a pad having a pendent loop of tape provided with a knob near its lower end, a circular ring over the pad, having a straight side forming a bridge, and a metal loop through which the knob may pass and a constricted portion adapted to engage said knob and having its upper etremities encircling the bridge; said bridge being secured to the pad by the tape, between the arms of the loop.

1,635,425. HAIR-WAVING TUBE. FRANÇOIS RENÉ MARCEL, Brooklyn, N. Y. Filed Nov. 8, 1924. Serial No. 748,541. 2 Claims. (Cl. 132—36.2.)



1. A device for use in producing permanent waves in hair, including a cylindrical body, of absorbent material, adapted to enclose a lock of hair, and an inner, cylindrical body of compressible, absorbent material within said first body, said inner body having corrugations extending lengthwise thereof to form spaces between said inner and outer body.

1,635,426. CURLING PIN FOR PERMANENT HAIR WAVING. FRANÇOIS R. MARCEL, Brooklyn, N. Y. Filed July 22, 1926. Serial No. 124,141. 7 Claims. (Cl. 132—34.)



1. A curling pin around which a lock of hair is adapted to be wound for waving, comprising relatively revolvable members around which a lock of hair is adapted to be wound, a substantial part of the length of said curler being non-circular in cross section for the purpose set forth.

1,635,427. DIRECTION SIGNAL FOR MOTOR VEHICLES. JAMES MCENTEE, Rochester, N. Y. Filed Feb. 23, 1927. Serial No. 170,142. 5 Claims. (Cl. 116—52.)



1. The combination with a frame having a sash opening and a sash slidable in the frame, of means fixed relatively to the frame and in the sash opening between the upper edge of the sash and the lower face of the upper sill of the frame, said means being coextensive in length with the width of the sash opening and provided with a chamber, and a direction indicating member mounted to move into said chamber to an inoperative position and from said chamber to a signaling position.

1,635,428. FORM TIE FOR CONCRETE FORMS. HOWARD O. MCMILLAN, Minneapolis, Minn. Filed Nov. 19, 1925. Serial No. 70,018. 14 Claims. (Cl. 25—131.)



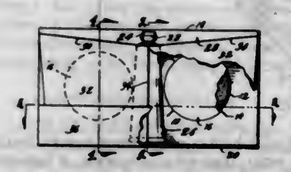
1. A tie for a form having spaced walls having in combination, a strip adapted to extend through and between said walls and having elongated spaced slots therein, members adapted, respectively, to engage the outer sides of the form adapted to receive said strip, one of said members having slots extending transversely thereof, spaced a different distance apart than the slots in said strip, and wedges adapted to pass through the slots in said last mentioned member and the slots in said strip and draw and hold the strip in tight position.

1,635,429. VIOLIN MANDOLIN. HENRY MILLER, Grafton, W. Va. Filed Aug. 8, 1925. Serial No. 49,083. 3 Claims. (Cl. 84—274.)



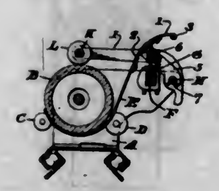
1. A musical instrument of the class described, including a sound box formed of a cocoanut shell closed at its bottom and sides, a centrally apertured cover for the top of said shell, and a reinforcing band encircling the periphery of said cover.

1,635,430. HOLDING AND SHIPPING INSERT. GEORGE S. MURPHY, Des Moines, Iowa, assignor to The Armand Company, Des Moines, Iowa. Filed Sept. 13, 1926. Serial No. 135,100. 7 Claims. (Cl. 206—65.)



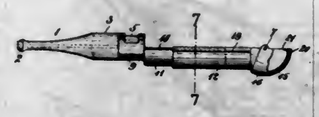
6. A holder and shipping insert comprising a substantially flat bottom member, a triangular top member inclined at an acute angle from the bottom member, cover sections inclined from two sides of the top member toward the ends and opposite edge respectively of the bottom member, said parts being connected together along weakened lines.

1,635,431. TYPEWRITING MACHINE. LEWIS C. MYERS, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 2, 1926. Serial No. 126,526. 6 Claims. (Cl. 197—127.)



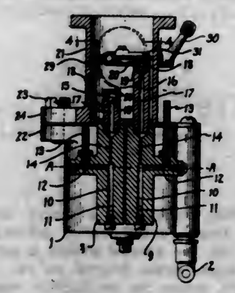
1. In a typewriting machine having the usual platen and paper apron, the combination of a card holding bail mounted to swing to and from operative position about an axis in the rear of the platen, with a paper table at the rear of the platen connected to said card holding bail intermediate its ends to swing in unison therewith.

1,635,432. ATTACHMENT FOR CIGARETTE HOLDERS. WILLIAM A. PERVIER, Watertown, Mass., assignor, by mesne assignments, to William A. Pervier, trustee, Watertown, Mass. Filed July 28, 1926. Serial No. 125,432. 5 Claims. (Cl. 131—51.)



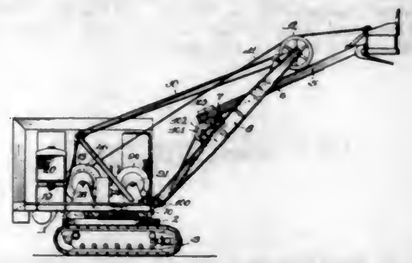
2. An attachment for a cigarette holder comprising an attachable member by which the attachment is secured to the holder, a primary troughlike casing member extending from said attaching member, a secondary troughlike casing member, and means for telescopically attaching the secondary casing member to the primary member whereby it will form either an extension thereof or be convertible to co-operate therewith and form a housing for the holder when not in use.

1,635,433. CARBURETOR. MORETON F. PURVEY, Detroit, Mich., assignor to The Pur-Vey Carburetor Corporation, a Corporation of Delaware. Filed July 17, 1922. Serial No. 575,506. 1 Claim. (Cl. 261—41.)



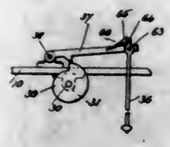
In a carburetor, a main air conduit, a pair of fuel feed lines extending into the conduit and terminating at different heights therein, the fuel conduit of greatest height having a recessed end portion terminating in a plane at a right angle to the axis of the conduit, a ball in the recess of less diameter than the said recess and normally closing said conduit, a throttle valve in the air conduit adapted when open to subject both fuel feed lines to influence of air passing therethrough, said throttle valve being adapted to be turned to closed position to lie in contact with the end of the fuel conduit of greatest height, said valve having an opening of less diameter than the said recess at the conduit end and providing when the valve is closed a discharge opening for the said highest fuel feed conduit into the main air conduit above the valve, the throttle valve otherwise practically closing the conduit to flow of air therethrough, each fuel feed conduit being connected with a source of fuel supply and each having a second conduit connected therewith opening to atmosphere, and an air inlet conduit for the said main air conduit provided with a restricted opening thereinto.

1,635,434. POWER SHOVEL. JOHN D. RAUCH, Lima, Ohio, assignor to The Ohio Steam Shovel Company, Lima, Ohio, a Corporation of Ohio. Original application filed Mar. 2, 1925, Serial No. 12,476, Patent No. 1,569,031, dated Jan. 12, 1926. Divided and this application filed July 29, 1925. Serial No. 46,708. 4 Claims. (Cl. 214—135.)



1. In a device of the class described, a frame having a boom mounted thereon, a dipper provided with a handle, means on said boom for reciprocably moving said handle relative to said boom, a shaft having operative connection with said handle moving means, two drums mounted concentrically with said shaft, flexible cable actuating means including two cable portions each connected with one of said drums, means for independently rotating both of said drums with respect to said shaft, and locking means for connecting said drums in various adjusted positions.

1,635,435. MARKING MECHANISM FOR PLANTERS. EZRA N. RICHARDSON, Detroit, Mich. Filed May 14, 1926. Serial No. 109,103. 2 Claims. (Cl. 111—30.)

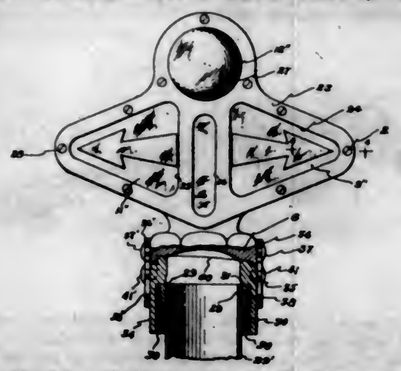


1. In a marking mechanism, a frame, ground wheels supporting the frame, a differential gearing operatively connected with the two ground wheels, a cam shaft journaled in the frame, cams secured on the end portions of the cam shaft, means for driving the cam shaft from the differential gearing, marker levers pivoted to the frame at one end and bearing on the said cams between their ends and oscillated by the cams, and ground markers arranged vertically and pivoted at their upper ends to the marker levers and reciprocated by them and the cams.

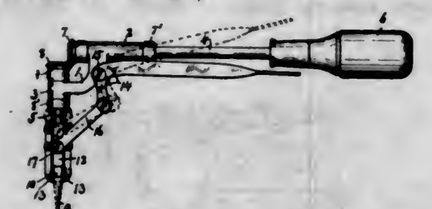
2. A marking mechanism as set forth in claim 1, each marker lever having a lug on its upper side, each ground marker having a lug which overlaps the marker lever, and springs normally holding the said lugs in engagement with each other and permitting the ground markers to move pivotally in one direction to a limited extent.

1,635,436. VEHICLE SIGNAL. FRANK ROMANOWSKI, Detroit, Mich. Filed Nov. 24, 1924. Serial No. 751,811. 4 Claims. (Cl. 220—61.)

1. In a vehicle signal adapted for use with a vehicle having a radiator provided with a radiator spout, a mechanism for attaching the signal housing to said spout, comprising a pair of super-imposed collars adapted for mounting on said spout, said collars being wedge shaped and oppositely faced, one of said collars being exteriorly threaded; and supporting means adapted for threading on said exteriorly threaded collar, said exteriorly threaded collar being adapted for clamping the inner collar, in close engagement with said spout, upon the threading of said means thereon.

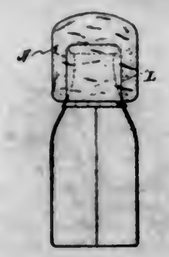


1,635,437. OFFSET TOOL HOLDER. JEREMIAH RYAN, Syracuse, N. Y. Filed Dec. 8, 1925. Serial No. 74,009. 1 Claim. (Cl. 145—66.)



An offset tool holder comprising a yoke having journal bearings at right angles to each other, a spindle journaled in one of said bearings and having at one end a coaxial handle by which it may be turned and at its opposite end a gear, a tool spindle journaled in the other bearing and having at one end a gear meshing with the first-named gear and at its opposite end an axial movable sleeve provided with spring jaws normally tensioned for yieldingly holding the work, a bell-crank lever pivoted to the yoke and provided with a relatively long arm extending along the first-named spindle and handle, and a link connecting the other arm of the lever with the sleeve for transmitting motion from the lever to the sleeve.

1,635,438. ICE CAP. EMIL SCHMID, Washington, D. C. Filed Feb. 1, 1926. Serial No. 85,372. 5 Claims. (Cl. 215—38.)



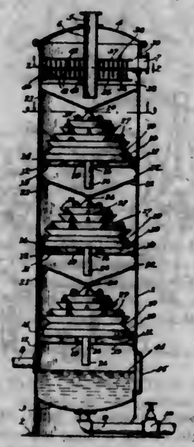
1. A refrigerating device consisting of a piece of ice having a cavity therein, said cavity being provided with a liner adapted to fit over the mouth of the receptacle and forming a protective cover for the same after the ice has melted.

1,635,439. REENFORCED PLUNGER AND METHOD OF MAKING SAME. ALEXANDER L. SCHRAM, Hillsboro, Ill., assignor to Ball Brothers Company, Muncie, Ind., a Corporation of Indiana. Filed June 14, 1926. Serial No. 115,871. 3 Claims. (Cl. 49—14.)



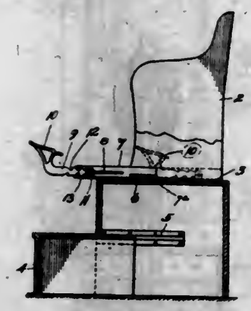
1. A plunger for glass furnaces comprising a reenforcing member, a destructible coating surrounding said reenforcing member, and a relatively thick clay body entirely surrounding said reenforcing member and coating.

1,635,440. BUBBLE-ABSORPTION TOWER. HARRY E. SHAY, Los Angeles, Calif., assignor of one-third to W. A. Masters and one-third to J. L. Murray, Los Angeles, Calif. Filed Apr. 6, 1926. Serial No. 100,056. 17 Claims. (Cl. 261—114.)



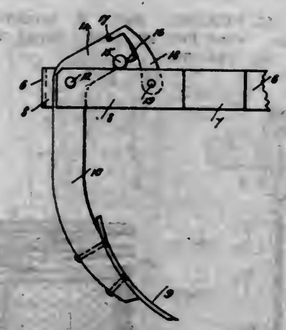
8. A bubble tower comprising in combination a tower structure having a pan with an outer and inner rim, the inner rim forming a central opening, a conical gas chamber having a substantially flat base with a recess, the recess fitting over the inner rim, a gas inlet pipe extending downwardly from the recess, through the opening in the pan, means on the exterior conical surface to retard the flow of oil thereover, and means leading from the gas chamber to pass gas through the said oil.

1,635,441. ADJUSTABLE FOOT REST FOR SHOE-SHINING STANDS. MAX SHEAR, Kansas City, Mo. Filed July 9, 1926. Serial No. 121,879. 3 Claims. (Cl. 15—265.)



1. In a shoe shining stand, a chair supporting platform, a guide secured to the platform, a slide structure comprising telescopically extensible sections mounted for longitudinal movement within the guide and transversely of the stand, a stop for preventing undue forward movement of the slide sections, and a foot rest carried by the forward end of one of the slide sections.

1,635,442. BREAK-PIN DEVICE FOR CULTIVATORS. CARL G. SIGURD, San Jose, Calif. Filed July 6, 1926. Serial No. 120,636. 2 Claims. (Cl. 97—185.)

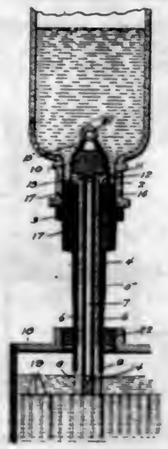


1. The combination, with a frame, of a standard pivoted to the frame and provided at its upper end with an arm which projects forwardly and above the top of the frame, a break pin arranged crosswise of and supporting the said arm and resting on the top of the frame, and a hook-shaped pawl pivoted to the frame and normally engaging with the said arm and preventing it from rising.

1,635,443. MANUFACTURE OF CABLES LOADED WITH ALLOYS OF HIGH-MAGNETIC PERMEABILITY. WILLOUGHBY STATHAM SMITH, Newton Poppleford, and HENRY JOSEPH GARNETT, Sevenoaks, England. Filed Jan. 8, 1926, Serial No. 80,100, and in Great Britain June 17, 1925. 3 Claims. (Cl. 178—45.)

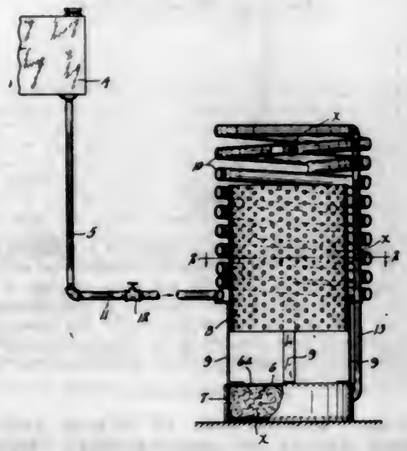
2. The process of annealing a tightly wound loaded conductor which comprises a heat treatment at a temperature between about 500° and 650° C. followed, after cooling, by a heat treatment at a temperature between about 880° and 920° C.

1,635,444. LIQUID-BATTERY FILLING DEVICE. DOUGLAS C. SOWELL, Baltimore, Md. Filed June 12, 1926. Serial No. 115,650. 3 Claims. (Cl. 226—39.)



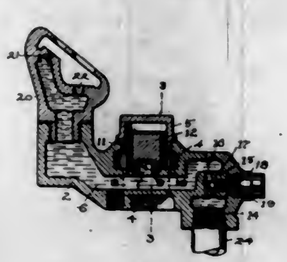
1. A liquid filler for receptacles comprising in combination, a container, a filling tube leading from the container, a valve at the inner end of the tube, a valve stem extending through the tube adapted when the filler is inverted, to come into contact with an object to open the valve and close and protect the outer end of the tube, and means at the outer end of the tube for controlling the flow of liquid through the tube.

1,635,445. OIL BURNER. ERVIN E. SPLETTER, Montevideo, Minn. Filed Feb. 23, 1926. Serial No. 89,841. 1 Claim. (Cl. 158—79.)



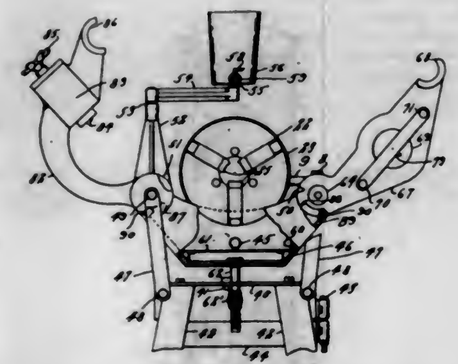
A liquid fuel burner comprising a hollow burner head having a discharge passage through one side thereof, a perforated tubular combustion chamber mounted concentrically with said burner head and spaced therefrom, a vaporizing coil closely encircling said combustion chamber, the convolutions of said coil being provided with vertically alined outwardly extending bulges affording arcuate recesses between said chamber and said coil, a vertical conduit connecting the uppermost convolution of said coil with said burner head extending through said recesses, and means for connecting the lowermost convolution of said coil with a source of fuel supply.

1,635,446. DRINKING FOUNTAIN. HALSEY W. TAYLOR, Warren, Ohio. Filed Aug. 25, 1924. Serial No. 733,870. 4 Claims. (Cl. 299—15.)



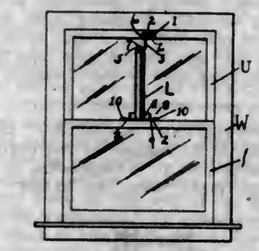
1. In a drinking fountain, a single unit comprising a hollow head of elongated form having a central integral enlargement containing a drainage chamber open at its top and bottom and formed with a horizontal supply passage extending through said chamber, an overflow valve exposed to the flow of water through said supply passage, a valve seating member removably mounted within said chamber in constant open communication with said supply passage, and a cap closing the top of said chamber and detachably connected with the wall of said head.

1,635,447. CUTTING-TOOL MOUNTING AND CONTROLLER. WILLIAM W. VOSPER, Toledo, Ohio, assignor to The Toledo Pipe Threading & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Oct. 29, 1925. Serial No. 65,626. 8 Claims. (Cl. 10—105.)



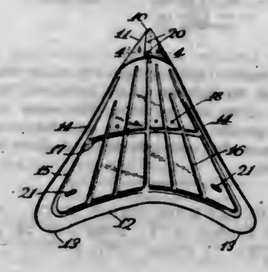
2. A rotary work holder, a pair of parallel guides parallel to the axis of the holder, and one side of a plane through the axis of said rotary work holder, a tool carrier slidably mounted on one side of said guides and swingable through said plane to rest on the other guide, a threading tool mounted in the tool carrier, means for rotating one of said holders for thereby causing progressing of the other holder along said guide toward the one, and a plurality of chasers in sequence establishing a pitch and mounted in the tool carrier.

1,635,448. SASH LIFTER AND LATCH. THOMAS C. WILLIAMS, East Bakersfield, Calif. Filed Jan. 13, 1926. Serial No. 80,931. 4 Claims. (Cl. 292—338.)



1. A combined sash lifter and latch for windows comprising an anchoring device positioned on said sash, a sash lifting device, a swinging member associated with said anchoring device and said lifting device whereby said lifting device may be swung toward said sash so that said sash may be raised or lowered, and a keeper associated with said window for receiving one end of said lifting device for fastening said window.

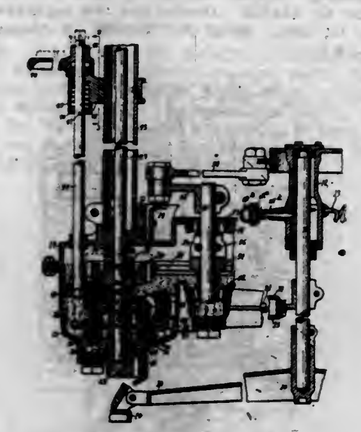
1,635,449. PLANT PROTECTOR. THOMAS H. WILSON, Brawley, Calif. Filed Feb. 11, 1926. Serial No. 87,574. 2 Claims. (Cl. 47—28.)



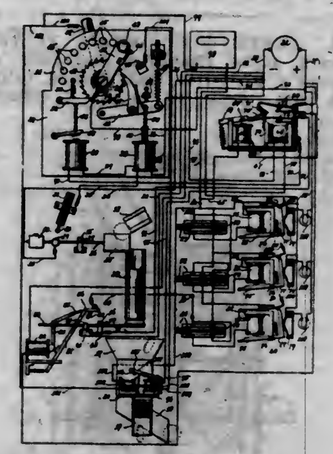
1. A plant protector comprising a blank of bendable sheet material bent to form a cone, the meeting edges of the blank being cut away providing an opening in the cone extending from its bottom to a point some distance below the apex of the cone, and means for securing the meeting edges of the blank together from the mentioned point to the apex so as to provide a heat retaining air space as and for the purpose described, said blank having embossed portions providing reinforcing ribs, some of which extend downwardly from the apex and others extending horizontally about the cone.

1,635,450. DRIVING MECHANISM FOR WASHING MACHINES. OLIVER B. WOODROW, Newton, Iowa. Filed Apr. 13, 1925. Serial No. 22,797. 2 Claims. (Cl. 74—14.)

1. In a gearing mechanism for washing machines, the combination of a stationary frame member, a two part gearing case designed to contain oil and gear mechanisms, the lower part thereof being fixed to the frame and the upper part thereof being detachably connected to the lower part and also detachably connected to said frame, a member mounted for oscillatory rotary movement, a pitman connected therewith, a shaft mounted in the upper and lower portions of said gear case, a crank connecting said shaft with said pitman, a prime mover, a shaft driven by the prime mover and inserted in the lower portion of said gear casing, a pinion thereon, and a gear mechanism driven by said pinion for driving said first shaft, for the purposes stated.

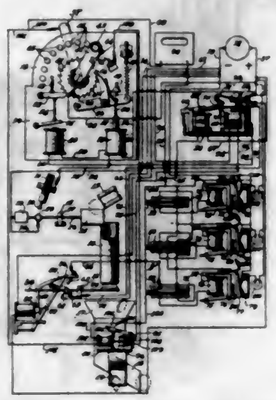


1,635,451. VENDING MACHINE. JULIUS ZSOLDOS, Brooklyn, N. Y., assignor, by mesne assignments, to Automat Equipment Corporation, a Corporation of Delaware. Filed Dec. 15, 1919. Serial No. 344,828. 11 Claims. (Cl. 194—9.)



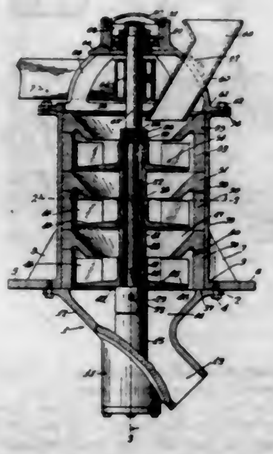
1. A vending machine embodying a plurality of dispensing compartments, a single coin slot, a master coin device operable by a plurality of coins passed successively through the slot and adapted to permit the removal of the contents of any of said compartments, manually operable means for adjusting the master coin device to render it responsive to the desired number of coins, and a selective push button system cooperable with the master coin device and embodying a push button for each compartment for selectively rendering any one compartment responsive to the operations of the master device.

1,635,452. VENDING MACHINE. JULIUS ZSOLDOS, Brooklyn, N. Y., assignor, by mesne assignments, to Automat Equipment Corporation, a Corporation of Delaware. Original application filed Dec. 15, 1919, Serial No. 344,828. Divided and this application filed Oct. 11, 1922. Serial No. 593,802. 9 Claims. (Cl. 194—9.)



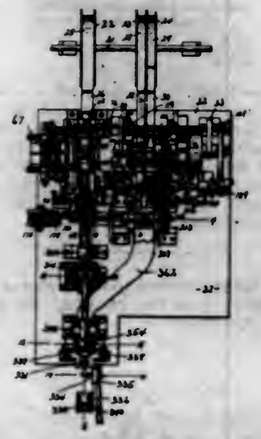
1. A vending machine embodying a plurality of dispensing compartments, a coin controlled master device for unlocking any of said compartments, means associated with the coin controlled master device for rendering it operable only when a predetermined number of coins have been deposited in the machine, selective push button mechanism for selectively rendering any one of the compartments responsive to the operations of the master coin device, and means for automatically returning an incorrect number of coins deposited in the machine to the depositor.

1,635,453. CENTRIFUGAL IMPACT PULVERIZER. FRANCIS E. AGNEW, Huntington Park, Calif., assignor to Minerva A. Brotherton, Santa Barbara, Calif. Filed Dec. 9, 1925. Serial No. 74,291. 7 Claims. (Cl. 83—11.)



1. A centrifugal impact pulverizer comprising a discharge hopper having a central bearing block and a discharge opening at one side of the bearing block, a vertical impeller shaft mounted in a thrust bearing in the bearing block, a vertical shell mounted upon the hopper, a cylindrical impact plate mounted in the shell, an impeller having a horizontal disc with radial, vertical blades at its outer edge spaced from the shaft mounted upon the shaft to discharge against the impact plate, a funnel mounted in the shell upon the impact plate discharging near the center of the disc, said impact plate, impeller and funnel forming a pulverizing unit, there being a plurality of said pulverizing units in the shell above the lowest unit, and a discharge spout leading to the top unit so that material will pass from one impeller unit to the next and then to the discharge hopper.

1,635,454. BOTTLE-CAP MACHINE. ANTHONY C. ARTZ, Lowville, N. Y., assignor to The Beaverland Corporation, Lowville, N. Y., a Corporation of New York. Filed Aug. 25, 1925. Serial No. 52,300. 15 Claims. (Cl. 93—1.)



1. The combination with means for advancing suitable blanks, of means for cutting a disk from one thereof, and conveying said disk and securing the same to another blank, and means for cutting from said last-named blank a disk and means for maintaining said disks in concentric arrangement.

1,635,455. TUBULAR-KNIT UNION SUIT. ANDREW J. BELANO, Port Leyden, N. Y. Filed Aug. 24, 1926. Serial No. 131,227. 1 Claim. (Cl. 2—78.)



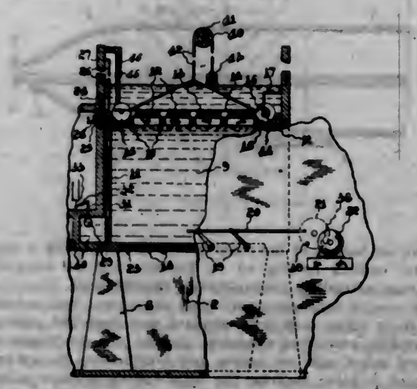
A union suit comprising a one-piece tubular-knit section of sufficient length to form a body portion, a thigh portion and leg portions, said section having deltaic openings in the front and back thereof, the rear opening being considerably larger than the front opening and having its top wall disposed at substantially right angles to its longitudinal center and its side walls converging downwardly from opposite ends of the top wall, the front opening having its top wall disposed at substantially right angles to the longitudinal center of the section and its side walls converging downwardly from opposite ends thereof, the top wall of the larger opening being located at approximately the junction of the body portion and thigh portion while the top wall of the smaller opening is disposed approximately at the junction of the thigh portion and leg portions, and a combined gusset and flap section having portions of its opposite longitudinal edges tapered downwardly from points intermediate the length thereof and stitched to the downwardly converging walls of the larger opening, the transverse width of the second-named section between said points being slightly greater than the top wall of the larger opening, the width of the lower end of the gusset section being approximately equal to the combined lengths of the downwardly converging side walls and top wall of the smaller opening and stitched thereto, the portion of the gusset section above said points being unattached to the first-named section and free to fold to and from a position across the back of the body portion of said first-named section.

1,635,456. HAT. JAMES H. BOWDITCH, Brookline, Mass. Filed Dec. 10, 1925. Serial No. 74,483. 3 Claims. (Cl. 2—181.)



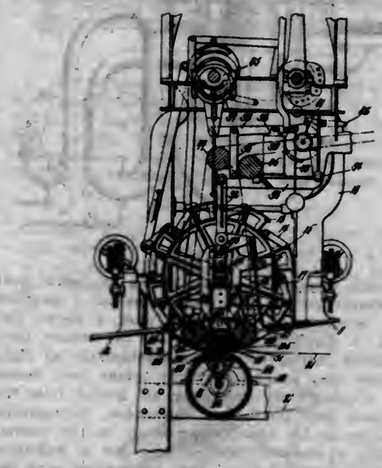
1. A hat embracing a body of suitable form for the head and an interior band secured around the inside edge portion of the hat body, said band being provided with closely arranged short spines of mohair inclined toward the crown and forming a yielding gripping engagement with the head of the wearer to resist accidental removal of the hat from the head.

1,635,457. HYDRAULIC POWER APPARATUS. BRUCE ALFRED BRISTOW, Toronto, Ontario, Canada. Filed Dec. 19, 1924. Serial No. 757,000. 9 Claims. (Cl. 253—18.)



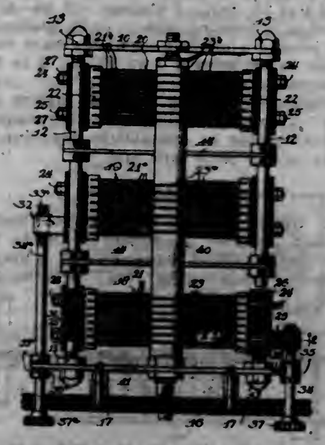
1. A hydraulic power device comprising a reservoir having sides and a bottom; a chamber communicating with said reservoir; a power member vertically movable in said chamber, said power member having a passage therethrough, said chamber having an outlet in its bottom; gates controlling said passage; and a plurality of gate members pivoted in the bottom and controlling said outlet.

1,635,458. MACHINE FOR MAKING FIBER TUBES. ORTON B. BROWN and HOWARD PARKER, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Original application filed July 11, 1924, Serial No. 725,403, and in Canada July 8, 1925. Divided and this application filed Sept. 3, 1926. Serial No. 133,392. 5 Claims. (Cl. 92—66.)



1. In a machine for making fiber tubular bodies, a mandrel, a plurality of forming rolls comprising a base roll and press rolls, a felt traveling between the mandrel and the press rolls, bearings engaging the surface between the ends of each of the press rolls on more than half its circumference, and means for guiding said felt clear of said bearings.

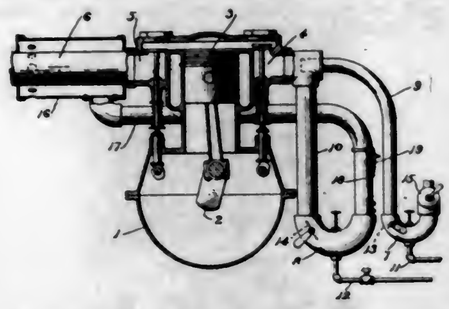
1,635,459. RADIOCONDENSER. PAUL A. CHAMBERLAIN, Chicago, Ill., assignor to Mohawk Electric Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1925. Serial No. 57,050. 6 Claims. (Cl. 175—41.5.)



1. A condenser comprising a frame, a plurality of stator units insulated from each other and spaced longitudinally of said frame, a rotor electrically common with

said frame, means for independently shifting said stator units on said frame longitudinally of the axis of said rotor, and manual control means projecting beyond said frame and operatively connected to said last named means.

1,635,460. BIFUEL SYSTEM FOR GAS ENGINES. CARL CORNWELL, Oakland, Calif. Filed May 13, 1925. Serial No. 29,909. 1 Claim. (Cl. 123—127.)



An internal combustion engine having an intake port and an exhaust port, a light fuel carburetor, a manifold from the carburetor to the intake port, a heavy fuel carburetor, a manifold therefrom to the intake port, said manifolds joining each other substantially at right angles where they connect with the intake port, means providing a conduit for conducting air heated from the exhaust gases into the second carburetor, thermostatic controlled means for admitting cool air to the conduit to maintain a constant temperature, and a relatively large manually-controlled air valve cooperating with the first carburetor and adapted to admit outside atmospheric air thereinto, this air being conducted through the first manifold into the intake port wherein it mixes with the heavy fuel vapor from the second carburetor to form an explosive mixture of the proper proportions.

1,635,461. METHOD OF TREATING FRUIT AND SOLUTION THEREFOR. THOMAS M. CRAMER, Long Beach, and GEORGE A. CONNELL, Wilmington, Calif., assignors to Pacific Coast Borax Company, a Corporation of Nevada. Filed Mar. 18, 1925, Serial No. 16,566. Renewed May 25, 1927. 3 Claims. (Cl. 99—1.)

1. A method of treating fruit to check spoilage which comprises forming a solution containing Na_2O and B_2O_3 in molecular ratios between 1 to 10 and 3 to 10, and wetting the fruit therewith.

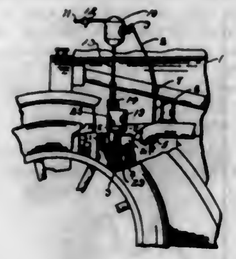
3. A solution for treating fruits to prevent spoilage comprising: a product obtainable by the admixture of boric acid and borax in substantially the ratio of five parts borax to four parts boric acid.

1,635,462. HINGE. EARLE W. CUMMINGS, Santa Barbara, Calif., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif., a Corporation of California. Filed Dec. 18, 1924. Serial No. 756,640. 3 Claims. (Cl. 16—165.)



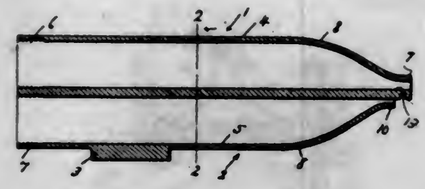
1. A hinge for the side edge of a folding board comprising two elongated leaves adapted for screwing to the edge of the board at the end of the folding joint and at right angles thereto, a link member, pintles between each end of said link and one end of said leaves respectively, said leaves being recessed on their ends for said link and having extended side portions on both sides of the link adapted to contact one another at substantially the center of the link on one side thereof and off center at a bevel angle on the other side of the link when the hinge is opened with its leaves extended in alignment.

1,635,463. POWER TOOL. CLAUD A. DAVIS, Toledo, Ohio, assignor, by mesne assignments, to The Hall Mfg. Company, Toledo, Ohio. Filed Dec. 8, 1922. Serial No. 605,690. 3 Claims. (Cl. 51—241.)



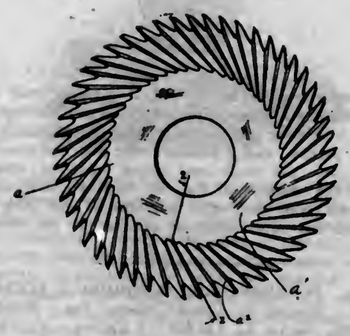
1. A grinder device embodying a rotary grinder, a shaft therefor, a sleeve for the shaft, a pair of bearings mounting the shaft in the sleeve, a holder for the sleeve, a set up mounting for the holder, a motor, a motor sustaining bracket carried by the mounting, a drive connection between the motor and grinder shaft, and a valve mounting carried by this set up mounting for positioning the valve transversely of the axis of the grinder.

1,635,464. OIL BURNER. GEORGE J. DELFELD and BRITTON W. SWAIN, Sapulpa, Okla. Filed Aug. 17, 1926. Serial No. 129,770. 1 Claim. (Cl. 299—141.)



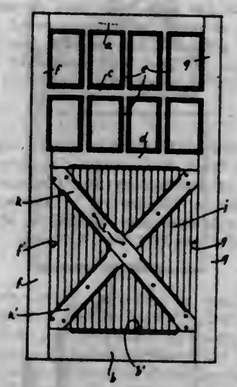
An oil burner of the class described comprising a single metal casting having an oil passage and an atomizing passage extending longitudinally therethrough, the major portions of said passages being cylindrical and merging at their outer ends into widened and flattened passages providing restricted discharge nozzles, the air nozzle disposed below said oil nozzle and terminating in inwardly spaced relation thereto, the overhanging portion of said oil nozzle being formed in its under side with a transversely disposed oil collecting groove and the discharge openings of said nozzle being of oblong configuration, the oil discharge opening being wider and shorter than the complemental air discharge opening.

1,635,465. SAW. JOHN C. DE PENNING, Portland, Oreg., assignor to Central Door and Lumber Company, Portland, Oreg., a Corporation. Filed July 19, 1926. Serial No. 123,571. 8 Claims. (Cl. 144—240.)



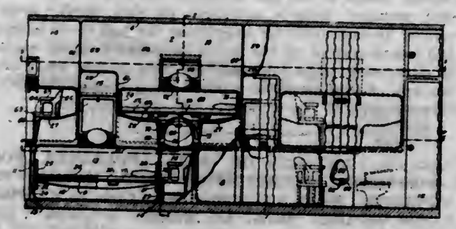
1. A circular wood-cutting saw of the character described having peripheral teeth, the cutting edges of which extend inwardly of the saw a distance substantially greater than the thickness of such saw, the cutting edges of each tooth being in registration with those of the remainder, meeting at the periphery to form a sharp point, such saw teeth thus being arranged to form a kerf of uniform, wedge-shaped cross-section.

1,635,466. WOODEN PANEL DOOR. JOHN C. DE PENNING, Portland, Oreg., assignor to Central Door and Lumber Company, Portland, Oreg., a Corporation. Filed Nov. 4, 1926. Serial No. 146,148. 8 Claims. (Cl. 20—35.)



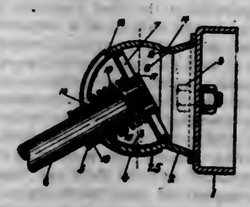
1. In a wooden door, a frame defining a rectangular panel opening constituting a large portion of such door, the faces of such frame bounding said opening having a continuous groove formed therein, a panel mounted in said opening, its edge portions seated in said groove, and slidably engaging the sides of the latter, but spaced a predetermined distance from the bottom thereof, when such panel is centrally located in its opening, a transverse bracing member fastened to and supporting such panel in central position in its opening and bearing against the opposed faces of such frame, adjacent such groove.

1,635,467. CAR. TRIMALE DE ROODE, New York, N. Y. Filed June 13, 1924. Serial No. 719,773. 49 Claims. (Cl. 105—315.)



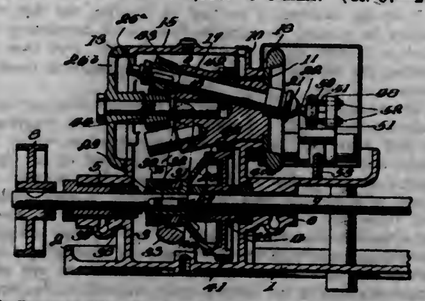
3. In a sleeping car, the combination with a center passage-way, permanently independent upper and lower compartments extending longitudinally of the car in staggered relation to one another, each upper compartment overlapping a lower compartment and separately and individually communicating with said passage-way.

1,635,468. BALL JOINT. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1924. Serial No. 695,566. 15 Claims. (Cl. 308—72.)



1. In a device of the class described, a body portion having mounting means and a part which is spherically shaped, a support for said body portion, said body portion having an opening away from the support for a movable operating shaft, a hemispherically shaped member positioned within the spherically shaped part, a sleeve on which said hemispherically shaped member is mounted, a brace member on the sleeve and engaging the hemispherically shaped member adjacent its edge, a spring positioned between the brace member on the sleeve and the hemispherically shaped member, a cap carried by the sleeve for closing the said opening in the body portion, and a shaft movably positioned in said sleeve.

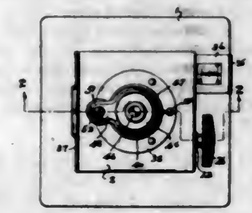
1,635,469. LAPPING MACHINE. ARVID ERICSSON, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1924. Serial No. 747,558. 8 Claims. (Cl. 57—26.)



8. In a machine for lapping ball and socket joints, the combination of a supporting frame, a rotatable member carried by said frame, means for rotating said member

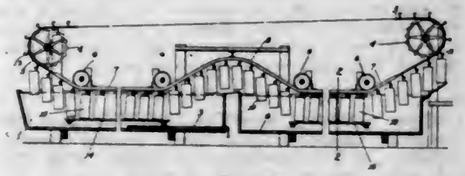
including a clutch, a shaft carried by said member and disposed at an acute angle to the axis of said member, whereby as said member is rotated, said shaft will be carried bodily therewith, means whereby the rotation of said member imparts rotations to said shaft, means carried by said shaft for supporting the ball to be lapped, and means carried by the frame for supporting the socket in engagement with said ball, the axis of said shaft and the axis of said rotatable member being so disposed as to intersect at the center of the ball being lapped.

1,635,470. METHOD OF AND APPARATUS FOR MEASURING TURBIDITIES AND COLOR OF FLUIDS. WILLIAM G. EXTON, New York, N. Y. Filed June 23, 1922. Serial No. 570,459. 2 Claims. (Cl. 88—14.)



1. In an apparatus of the kind described, the combination with an enclosing casing of a fluid cup having a transparent bottom, a transparent plunger entered in the upper end of said fluid cup, said plunger having substantially the same index of refraction as the fluid with which the fluid cup is charged for examination, means for raising and lowering said plunger to vary the depth of fluid in said fluid cup, means cooperating with said plunger actuating means for indicating the adjusted depth of the content of said fluid cup, means for illuminating the content of said fluid cup, a target, and means for supporting said target intermediate the fluid cup and illuminating means whereby said target is rendered visible through the content of said fluid cup.

1,635,471. METHOD OF AND APPARATUS FOR CANNING FIGS. ALBERT T. GAHAN, Fresno, Calif. Filed July 7, 1926. Serial No. 120,969. 17 Claims. (Cl. 99—8.)



1. In fig canning, a method of treating the figs consisting in placing the figs in open cans, immersing the cans in heated water to precook the figs, and then removing the cans from the water and immersing them in syrup.

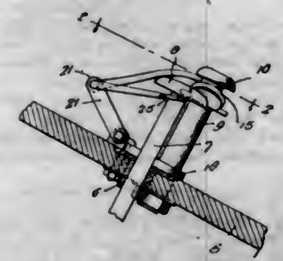
13. An apparatus for treating figs including an open-topped water tank, a movable chain disposed lengthwise of and above the tank, a sprocket wheel to which the chain slopes upwardly at the forward end of the tank, means at the other end of the tank for causing the chain to slope upwardly from the tank, a hook projecting outwardly from the chain, a container to receive cans in a horizontal position, an eye on the container for engagement with the hook, the cans being open and facing the forward end of the tank; and the eye being disposed ahead of the vertical center line of the container, and runner in the tank to support the weight of the container when the latter is lowered into the tank by the movement of the chain.

1,635,472. BOWLING PIN. GEORGE PHILIP GEISSE, Chicago, Ill. Filed June 11, 1926. Serial No. 115,268. 1 Claim. (Cl. 273—82.)



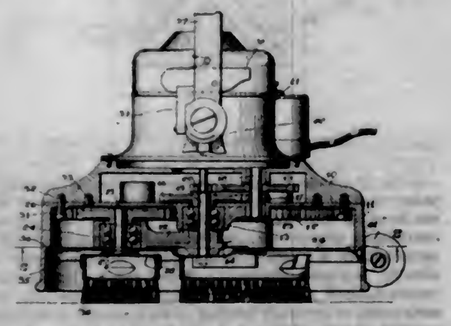
A bowling pin having a central integral core at its bottom, said core being of relatively large diameter at its end and uniformly tapered to a smaller diameter toward the body portion, and a resilient ring disposed about said tapered core, the inner and upper edges of said ring abutting the surfaces of the core and the body portion, respectively, and the outer portions of the ring being flush with the outer abutting surfaces of the body and the core.

1,635,473. FOOTREST FOR AUTOMOBILE ACCELERATORS. ERNEST L. GIBSON, Dora, Tex. Filed Nov. 17, 1926. Serial No. 148,907. 7 Claims. (Cl. 74—81.)



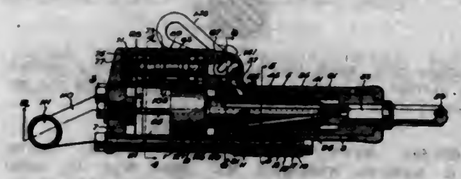
1. In a foot rest for automobile accelerators, a post secured to the automobile foot board at the side of the accelerator pedal, a foot button disposed for vertical sliding movement upon the post and operable for binding engagement with the post when foot pressure is applied thereto, means operable by the downward movement of the accelerator pedal for forcing said foot resting pedal downwardly upon the post, and means for automatically raising the button when pressure thereon is released.

1,635,474. FLOOR-POLISHING MACHINE. LYLE N. GILLIS, Rose Crest, Va., assignor, by direct and mesne assignments, of one-half to The Floorola Corporation, Baltimore, Md., a Corporation of Delaware, and one-half to Ernest J. Newcomer, Baltimore, Md. Filed Feb. 12, 1924. Serial No. 692,296. 8 Claims. (Cl. 15—49.)



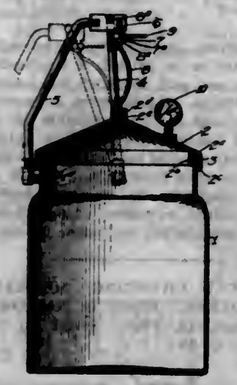
1. In a machine of the character described, the combination of a casing, rubbing means connected with said casing, driving means for said rubbing means, a guard interposed between said rubbing means and said driving means, and a trap lip on the interior of the casing adjacent the guard.

1,635,475. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed June 29, 1921. Serial No. 481,417. 37 Claims. (Cl. 121—6.)



1. In a fluid pressure motor, a cylinder, a piston therein having opposed working surfaces, an imperforate tubular valve having open ends in substantially unobstructed fluid communication with each other, a source of motive fluid supply, conduit means placing said source of supply in constant communication with the interior of said valve, passages controlled by said valve for admitting motive fluid to said cylinder for acting alternately on said opposed working surfaces for actuation of said piston, one of said passages including the interior of said valve, said valve being provided with separate surfaces facing in the same direction, a motive fluid conducting passage for conducting fluid for action on one of said surfaces for creating a pressure condition thereon to move said valve, a port controlled by said piston for admitting motive fluid to said passage, and means for admitting motive fluid to the other of said surfaces to lock said valve when so moved.

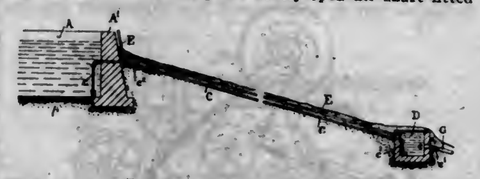
1,635,476. PRESSURE COOKER. SCOTT S. GRAVES, San Diego, Calif. Filed June 2, 1923. Serial No. 643,133. 11 Claims. (Cl. 53—1.)



1. A pressure cooker, including a container, a cover for said container, a handle member pivotally connected to said container and extending upwardly therefrom, a resilient compression member removably positioned between the middle upper portion of the handle member and said cover, and compression adjusting means provided at one end of said resilient compression member.

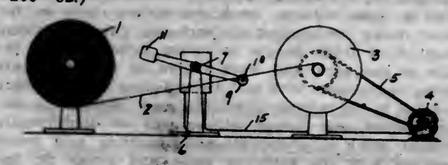
1,635,477. SIPHON. CHARLES RUSSELL HALL, Congleton, England. Filed Oct. 6, 1924, Serial No. 742,028, and in Great Britain Oct. 25, 1923. 2 Claims. (Cl. 137—20.)

1. Siphon apparatus for drawing off water from a reservoir into supply mains comprising a siphon the short leg of which is extended into the reservoir, a sealed tank disposed at a lower level than the bottom of the reservoir with which the long leg of the siphon connects and into which it discharges, a draw off main from the sealed tank the level of the said draw off main being higher than the level of the discharge end of said long leg of the siphon and a permanently open air shaft fitted



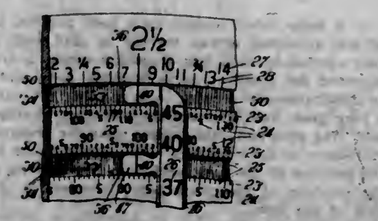
to the top of the sealed tank and extending above the water level of the reservoir to permit of the escape of air and maintain a pressure or head in the tank equal to that in the reservoir.

1,635,478. AUTOMATIC SWITCH FOR FILM REWINDERS. JAMES A. HUDSON, Borger, Tex. Filed Mar. 1, 1926. Serial No. 91,374. 5 Claims. (Cl. 200—52.)



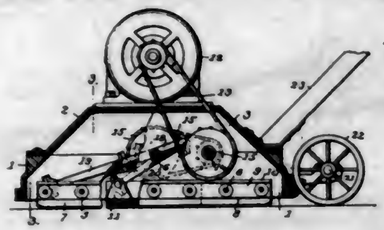
1. In combination with a film delivering reel and an electrically driven film receiving reel, an automatic switch mounted between the two reels and in alignment therewith, the said switch comprising a pedestal; a shaft journaled through the top of the pedestal; a trip arm rigidly mounted at one end of the shaft, the shaft connecting with the arm at a medial point on the arm; a roller journaled at one end of the arm and adapted to be disposed beneath the strip of film running between the two reels; a counterweight at the opposite end of the arm adapted to normally swing the arm to a vertical position; a drum of insulation upon the opposite end of the said shaft; an electrical contact element mounted upon the said drum of insulation; the terminals of the electrical conductors leading to the said motor being so mounted relative to the said contact element as to bear against the said drum and contact element so that the circuit through the conductors will remain closed with the said trip arm standing in an approximate horizontal position, but will be broken upon the arm assuming its normal vertical position.

1,635,479. INDICATOR DEVICE FOR INSTRUMENTS. GEORGE HUTCHINSON, Sheboygan, Wis., assignor to Hutchinson Scale Company, Sheboygan, Wis., a Corporation of Wisconsin. Filed Sept. 14, 1925. Serial No. 56,372. 33 Claims. (Cl. 116—129.)



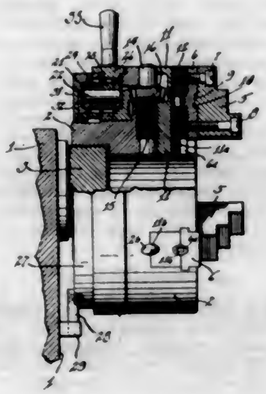
13. In combination, a chart having a plurality of rows of graduations, a bar, fingers projecting transversely from the bar, and indicating elements carried by the fingers and extending transversely of the same, each indicating element being in operative relation to two of said rows of graduations.

1,635,480. FLOOR-SURFACING MACHINE. OMAND B. JACOBSON, Waukegan, Ill. Filed July 18, 1925. Serial No. 44,565. 1 Claim. (Cl. 51—175.)



In a floor surfacing machine, the combination of a main casing open at bottom and formed by upper and lower sections with the abutting faces of such sections formed with complementary portions of a plurality of bearing recesses, and a central longitudinal partition in said casing, a pair of surfacing slabs having side by side relation, track connections between the lower casing section and the surfacing slabs comprising longitudinal track flanges extending laterally from the sides of one part, and track rollers on the other part having engagement with said track flanges, a crank shaft mounted in the bearing recesses in seam between the casing sections and formed with a pair of diametrically opposed crank members, pitmen connecting said crank members with the surfacing slabs, and means for imparting rotation to the crank shaft.

1,635,481. LATHE CHUCK. VICTOR G. JORNER, Chicago, Ill. Filed Oct. 26, 1925. Serial No. 65,020. 2 Claims. (Cl. 279—113.)



1. A lathe chuck comprising a body portion, a plurality of jaw actuating screws carried by said body portion, a gear carried by each jaw actuating screw, a driving gear mounted for rotation on said chuck body and arranged to simultaneously actuate each of said first named gears, a ring gear, and intermediate planetary gearing between said ring gear and said driving gear for transmitting the movement of the ring gear to the driving gear to regulate the position of the jaws, said planetary gearing permitting the rotation of the chuck body, irrespective of the position of the jaws.

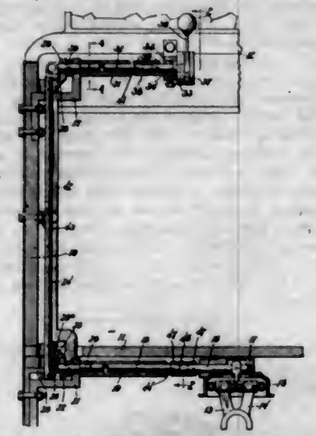
1,635,482. PACKING. BRYAN P. JOYCE, Washington, D. C. Filed July 11, 1922. Serial No. 574,329. 2 Claims. (Cl. 288—1.)

1. A packing ring, embodying a filler ring having soft metal upon a sealing contact surface, and annular channel-shaped retaining rings of relatively harder metal embracing the filler ring laterally, the circumferential flanges of said retaining rings being adapted to bear against the



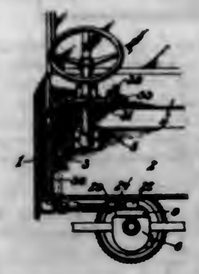
surface with which the soft metal has sealing contact to prevent any escape of the soft metal beyond the retaining rings.

1,635,483. SPEED-CHANGING MECHANISM. ELMER G. KESLING, Bloomfield, Mo. Filed Sept. 14, 1926. Serial No. 135,400. 8 Claims. (Cl. 74—39.)



1. A gear shifting mechanism comprising a housing adjacent the gears to be shifted, a longitudinally extensible shaft with one end mounted for longitudinal and rotative movement in said housing, a bearing in which the other end of said shaft is rotatable but not movable longitudinally, a second longitudinally extensible shaft similarly mounted, gearing connecting the shaft sections which are not movable longitudinally, and other means connecting the longitudinally movable shaft sections to cause the longitudinal movement of one to be controlled directly by the longitudinal movement of the other.

1,635,484. SPEED-CHANGING MECHANISM FOR MOTOR VEHICLES. ELMER G. KESLING, Bloomfield, Mo. Filed Sept. 14, 1926. Serial No. 135,401. 15 Claims. (Cl. 74—39.)



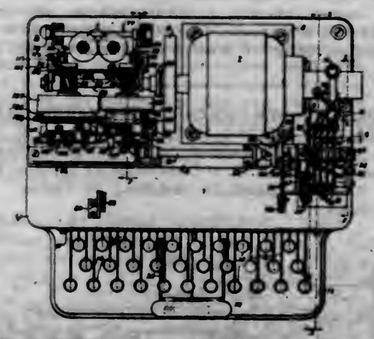
1. A device of the character described comprising a rockable and longitudinally slidable spindle, gear shifting mechanism having a pin and slot connection with said spindle, a shaft made up of a series of elements composed of rigid material and connected in end to end relation by pivot pins arranged transversely thereof and transversely to each other, one end of said shaft being connected to said spindle, a second spindle connected to the other end of the shaft, actuating means for selectively rocking said second spindle or moving it longitudinally, and a rigid curved tube in which said shaft is guided, so as to positively transmit the movement of the second spindle to the first-mentioned spindle.

1,635,485. ORNAMENT FOR PERSONAL WEAR. JOHN J. KEVILLE, Leominster, Mass. Filed June 30, 1926. Serial No. 119,722. 3 Claims. (Cl. 132—48.)



1. As an article of manufacture, an ornament for personal wear comprising a plate having its front surface ornamented, provided at opposite points on the back with a projection having a passage all the way through it and a post having a groove on its outer side, said groove and opening being located substantially at the same level as the surface of the back, and a ring of yielding material pivoted in said perforation and of such width that it will have to be distorted a little to bring its opposite edge over the post and into the groove, whereby it will be held in contact with the back throughout its length and it will hold the hair or garment on which it is placed on two lines on opposite sides of the diameter connecting the projection and post.

1,635,486. PRINTING OR SELECTING TELEGRAPHS. CHARLES L. KRUM and HOWARD L. KRUM, Chicago, Ill., assignors, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill., a Corporation of Delaware. Filed Dec. 23, 1919, Serial No. 346,948. Renewed Oct. 30, 1926. 79 Claims. (Cl. 178—27.)



1. In a receiving apparatus for selecting telegraphs, a set of selectors, a unitary rotatable actuator common to all of said selectors movable at an angle to its rotary path to effect the operation of selectors, a start and stop clutch for initiating and arresting the rotary movement of said actuator at the beginning and end respectively of each signal, and a single magnet responsive to the received signals for tripping said clutch and variably controlling the angular movement of said actuator.

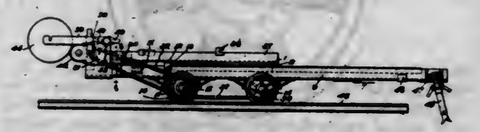
1,635,487. PIPE. FRED J. LEACH, Louisville, Ky. Filed Sept. 8, 1926. Serial No. 134,202. 3 Claims. (Cl. 131—12.)

1. An attachment for pipes including an upper tubular part and a lower tubular part detachably connected, said lower part comprising a vertical well closed at its bottom, and a laterally extending inlet tube communicating with the well between its ends, said tube having its free end arranged to fit into the stem opening of a pipe bowl, said upper part having a vertical leg extending into the well and terminating in a frusto-conical portion extending



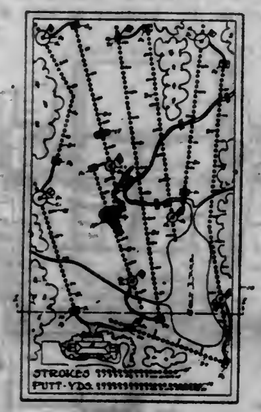
below the inlet tube and provided with a small hole affording communication with the lower part of the well, said hole being of less diameter than the bore of the upper tubular part, said upper part also having a lateral leg at its upper end adapted to receive a pipe stem.

1,635,488. MINING MACHINE. JACOB M. LONDON, Tunnelton, Pa., assignor to Sullivan Machinery Company, Claremont, N. H., a Corporation of Massachusetts. Filed May 15, 1915, Serial No. 28,449. Renewed Mar. 3, 1924. 92 Claims. (Cl. 262—28.)



22. Mining apparatus comprising wheeled guiding means, mining machine receiving means adapted to receive and wholly support a mining machine adjustably mounted on said guiding means for movement longitudinally and angularly relative to said guiding means, and wheel driving means adapted to be driven from a mining machine on said receiving means in a predetermined position of the latter.

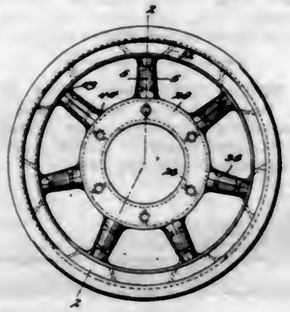
1,635,489. GAME. MILTON J. MCCOLM, Sioux City, Iowa. Filed Jan. 25, 1926. Serial No. 83,608. 2 Claims. (Cl. 273—87.)



1. In a game, a game board to be used with a deck of cards having a plurality of suits, the cards of each suit having consecutively increasing values, said board having represented thereon, a fair-way, a green and a hole within said green, the fair-way comprising a line of spaced indicating elements, some of which are labelled to indicate their distance from the begining of the fair-way, said indicating elements being terminated at one

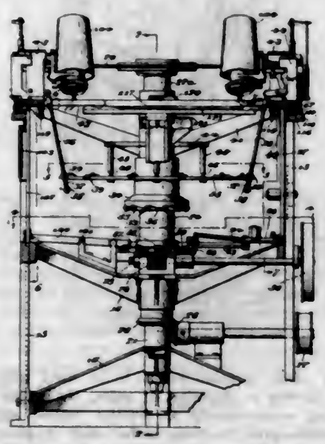
edge of the green and continued beyond the green from the other edge thereof, and an indicating character determining the width of the green whereby said cards may be played, one by one, to indicate drives on a fair-way, the length of which may be recorded by means of said indicating elements and whereby the cards may serve by playing either into or entirely across the green to indicate putts or over-drives, until a card may be played from one side or the other of the green, which will correspond exactly to the distance from the point last attained to the hole within the green.

1,635,490. CAST-METAL VEHICLE WHEEL. ALEXANDER MELDRUM, Syracuse, N. Y. Filed May 21, 1925. Serial No. 31,899. 13 Claims. (Cl. 301—65.)



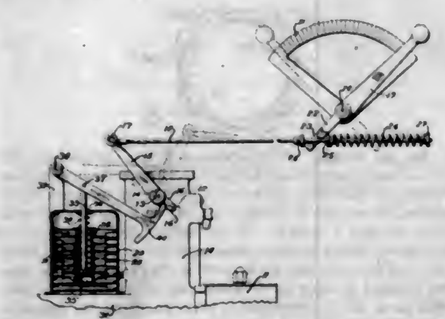
9. In a metal vehicle wheel in combination, a hub having a substantially cylindrical periphery, a felloe having an inner periphery, spokes joining said hub periphery and felloe periphery and being cast integral therewith, each spoke being cast as a channel open on one side and having a curved bottom the ends of which bottom join the hub and felloe, straight sides on said spokes initially free from said hub and felloe, and transverse webs cast integral with the curved bottoms of said spokes and having outer edges serving as formers about which the straight sides of said spokes may be bent.

1,635,491. GLASS-GRINDING MACHINE. JOHN A. MILLIKEN, Ambler, Pa., assignor to John E. Marsden, Philadelphia, Pa. Filed Nov. 1, 1922. Serial No. 598,315. 42 Claims. (Cl. 51—107.)



1. A glass grinding machine comprising a grinder, a plurality of holders for supporting the articles to be ground, a carrier for supporting the holders and for moving them with respect to the grinder, and means for varying the angular position of the holders with respect to the grinder as the carrier is moved, preliminary to another operation by said grinder.

1,635,492. ALTITUDE CONTROL FOR AIRPLANE ENGINE THROTTLES. FRANK C. MOCK, CHARLES J. GUSTAFSON, and MILTON E. CHANDLER, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1920. Serial No. 388,478. 5 Claims. (Cl. 123—75.)



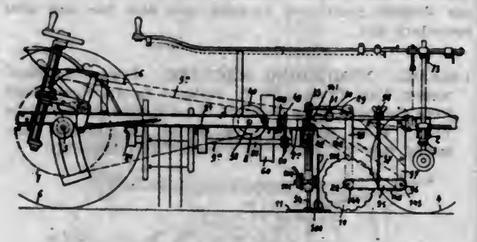
1. In combination, a carbureter adapted for connection with an intake manifold, a throttle valve controlling the flow through said manifold, manual means for manipulating said throttle valve, an expansible barometric chamber sealed to contain a substantially fixed pressure therein, said barometric chamber being responsive only to pressure posterior to said throttle valve, a graduated stop member movable by said barometric chamber, a projection moving with said throttle valve adapted to engage said stop member, said barometric chamber operating through said graduated stop member to limit the open position of said throttle valve in opposition to the operation of said manual means, whereby a sub-atmospheric pressure is maintained in said manifold by the restricted position of said throttle valve at predetermined atmospheric pressures.

1,635,493. LOOPER-THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1923. Serial No. 656,268. 20 Claims. (Cl. 112—243.)



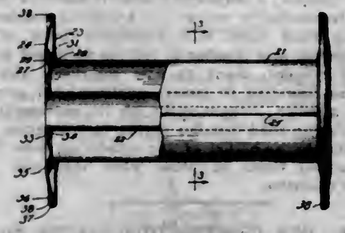
1. The combination with a feeding mechanism including a feed dog and means for varying the stroke of the feed dog; of a pull-off mechanism including thread guides, a pull-off member and means for giving said thread guides and pull-off member a relative movement of a fixed extent for pulling thread from the supply, and means for automatically shifting the relative path of movement of the guides and the pull-off member upon the varying of the length of the feed.

1,635,494. BEET HARVESTER. JEAN MOREAU, Noyelles-sur-Escaut-Nord, France. Filed June 6, 1924, Serial No. 718,299, and in France June 13, 1923. 5 Claims. (Cl. 55—107.)



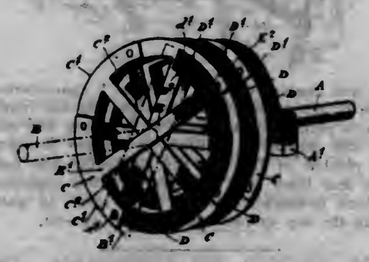
1. In a beet harvester, means to travel over the beets, a rotary knife lifted by said means to the crown of the beet, rotating means to remove the cut tops from the knife, a conveyor, and a guide between the conveyor and said rotating means to direct the tops to the conveyor from said rotating means.

1,635,495. METALLIC SPOOL. VICTOR ODQUIST, Yonkers, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 14, 1923. Serial No. 638,720. 2 Claims. (Cl. 242—123.)



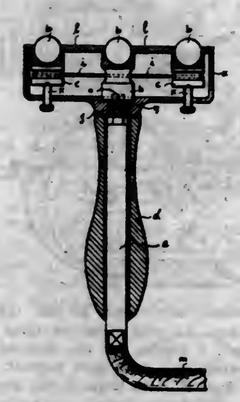
1. A metal spool comprising in combination an outer core having its end edges flanged outwardly, end walls encircling the core and interlocked with said flanged edges, reinforcing plates having their margins interengaged with the margins of said end walls, and bearing inwardly against the end flanges of the outer core, and an inner core fitting into said reinforcing plates and having end flanges engaging on the outer sides of the reinforcing plates.

1,635,496. FLEXIBLE COUPLING. HENRI PRIGNÉ, Billancourt, France. Filed Mar. 9, 1926, Serial No. 93,495, and in France Mar. 27, 1925. 11 Claims. (Cl. 64—26.)



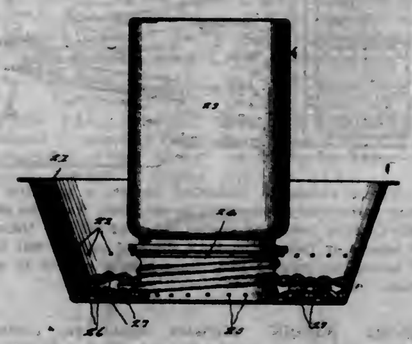
1. A flexible coupling for conveying rotary motion comprising a coil spring and staying means adapted to hold the coils against radial compression and against excessive deformation, substantially as described.

1,635,497. MASSAGING APPARATUS. MARIA RÜTTORR-PELLI, Lucerne, Switzerland. Filed June 12, 1926, Serial No. 115,627, and in Switzerland July 6, 1925. 3 Claims. (Cl. 128—56.)



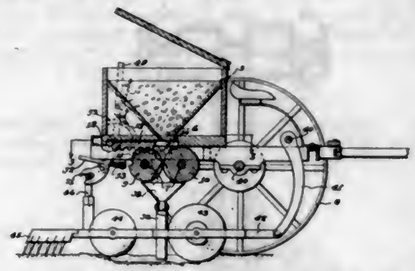
1. A massaging apparatus comprising a handle, a casing supported rotatably at one end of said handle, balls held in said casing so as to project through the front face thereof, means for imparting rotation either to the balls relative to the casing or to the casing relative to the handle, ball supports held rotatably in said casing, a gearing controlling said supports, and a driving shaft held rotatably and slidably in the handle, said shaft being formed with square heads which enable it by axial adjustment to be put into engagement either with the casing for rotating the latter or with one of the ball supports for rotating the balls.

1,635,498. SEED GERMINATOR. OLYNTHUS HOWARD PERSHING, Muncie, Ind. Filed May 12, 1926. Serial No. 108,703. 1 Claim. (Cl. 47—14.)



A device of the character described comprising a container filled with permeable material, a barometric fountain means within the container for constantly supplying water to the material therein at the lower portion of said material, said container being provided with upper and lower series of holes, the lower series acting to prevent excessive rise of the level of free water entering the material and the upper series providing ventilating means.

1,635,499. AGRICULTURAL IMPLEMENT. ALFRED THEADORE PETERSON, Crooked Rivers, Saskatchewan, Canada, assignor of one-tenth to Gunnar Carlson and one-tenth to Stewart W. Carlson, Minneapolis, Minn. Filed Dec. 28, 1926. Serial No. 157,541. 2 Claims. (Cl. 111—51.)

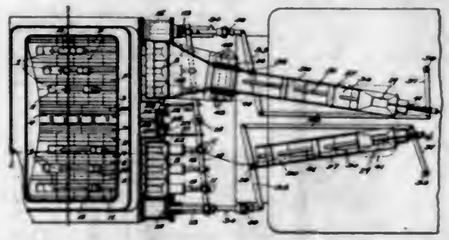


1. An agricultural implement of the type described comprising a frame, an axle mounted upon wheels carried by the frame, a hopper for the distribution of material to be planted, and feed rolls beneath the hopper, with a shut off door slidable beneath the hopper bottom, one of said feed rolls having teeth to engage said door and move the same.

1,635,500. PROCESS OF CEMENTATION IN THE GROUND. HAROLD EDWIN POTTS, Liverpool, England, assignor to Thomas Blandford and Alfred Gee, Doncaster, England. Filed Mar. 30, 1926. Serial No. 98,622, and in Great Britain Oct. 14, 1925. 3 Claims. (Cl. 61—36.)

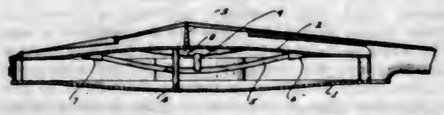
1. The process of sealing fissures in water-bearing strata which comprises injecting a solution of caustic alkali into the strata and then injecting a cement suspension into the strata.

1,635,501. AUTOMATIC STOKER. MAURICE RATEL, New York, N. Y. Filed Feb. 20, 1922, Serial No. 538,004, and in France Feb. 25, 1921. 51 Claims. (Cl. 110—44.)



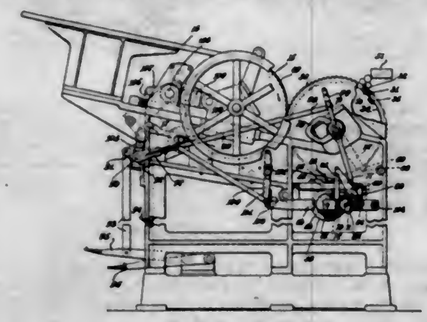
1. In an automatic underfeed stoker, a plurality of twyers successively decreasing in elevation from the sides of the furnace toward a medial fore and aft line thereof, fuel retorts or troughs on both sides of said medial line, and means for feeding fuel through said retorts to said twyers.

1,635,502. VIOLIN. MICHAEL REDLINGER, Portland Oreg. Filed Oct. 20, 1925. Serial No. 63,655. 2 Claims. (Cl. 84—274.)



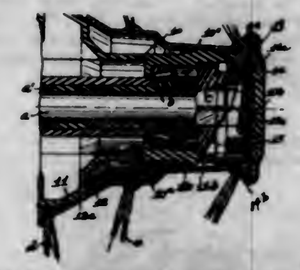
1. A base bar for a violin, in combination with the upper wall of a violin, of a base bar secured by its ends to the underside of said wall, and having that portion thereof intermediate its ends spaced apart therefrom, a secondary bar mounted to the under surface of said upper wall and spaced apart from said base bar, and a tension bar slidably positioned between said base bar and said secondary bar.

1,635,503. NUMBERING MACHINE. JAMES H. REINHARDT, East Orange, N. J., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed May 14, 1924, Serial No. 713,149. Renewed Oct. 15, 1926. 27 Claims. (Cl. 101—77.)



1. A numbering machine embodying therein an impression cylinder, a numbering head cylinder, a member adapted to constantly engage the actuating member of a numbering head upon said numbering head cylinder, means whereby said member is rotated with said numbering head cylinder, about an axis coincident therewith, and means operative to impart unidirectional movement to said member independently of its movement with said numbering head cylinder during each rotation of the latter, whereby actuation of the numbering head is prevented at all times excepting when said last named means is operative.

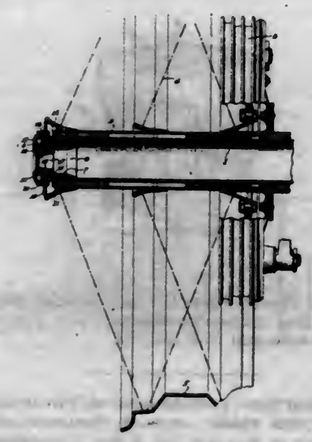
1,635,504. HUB CONSTRUCTION. CLAUDE SAUZEDDE, Detroit, Mich., assignor, by direct and mesne assignments, to Sauzedde Manufacturing Corporation, Mount Clemens, Mich., a Corporation of Delaware. Filed Jan. 24, 1920. Serial No. 353,808. 8 Claims. (Cl. 301—9.)



2. A hub construction as in claim 1 characterized in that the thread formation between the cap and inner hub member is positioned internally of the inner hub member in the hub assembly to produce a space between the thread portion of the cap and the outer hub member, the cap and inner hub members carrying complemental formations co-operative within such space to normally maintain the cap against retrograde movement.

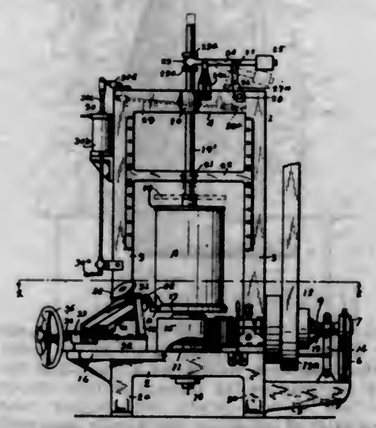
1,635,505. HUB-LOCKING DEVICE FOR WHEELS. CLAUDE SAUZEDDE, Detroit, Mich. Filed June 14, 1926 Serial No. 115,778. 7 Claims. (Cl. 301—9.)

4. Means adapted for locking a wheel hub on an axle, said means comprising an inner member secured to the axle, a hub engaging intermediate member connected to said inner member, and an outer member connected to said inner member, said intermediate member bearing



against said outer member and the connections between all of said members being such that any movement of said intermediate member tends to bind the connection between said inner and outer members.

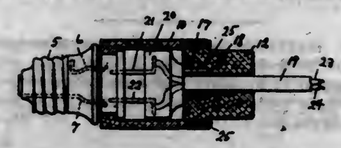
1,635,506. PROCESS OF AND MACHINE FOR MAKING CONTAINERS. ANTHONY SCHROEDER, Cleveland, Ohio, assignor of one-half to James Merle Finney, Cleveland, Ohio. Filed May 20, 1925. Serial No. 31,530. 53 Claims. (Cl. 113—22.)



1. In apparatus of the class described, the combination of a support for a flanged body and a flanged head, means for rotating said support, a seaming mechanism having flange engaging means disposed inwardly of the body end and movable radially and then in a lateral direction, and means for operating said mechanism.

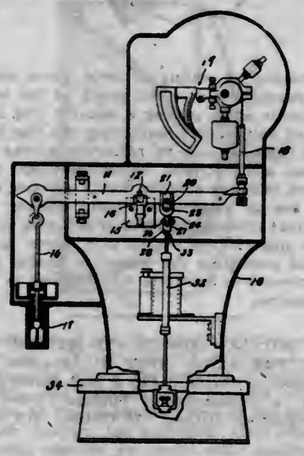
1,635,507. ATTACHMENT FOR ELECTRIC EXTENSION PLUGS. EDWARD T. SEABOCK, Wall, Pa. Filed Nov. 4, 1926. Serial No. 146,224. 3 Claims. (Cl. 173—359.)

1. In a device of the class described, an attachment plug having free contacts, a casing engaged with the plug, a slide in the casing having spring contacts engageable with the first-mentioned contacts, spring means for normally urging the slide in an engageable position, and an



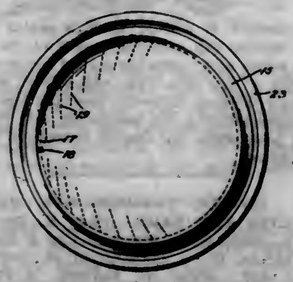
extension cord attached to the slide so that when the extension cord is pulled the spring is compressed and the contacts are separated.

1,635,508. FLEXIBLE BEAM CONNECTION FOR STEELYARDS. LOUIS S. SHIVELY, University City, Mo., assignor to The Weightograph Company, St. Louis, Mo., a Corporation of Missouri. Filed June 16, 1925. Serial No. 37,475. 7 Claims. (Cl. 265—49.)



1. In a scale, the combination of a scale beam, a pivot bearing carried by the scale beam, a yoke member, a connection between the yoke member and the bearing, said connection being movable on a pivot axis parallel with the beam, a steelyard, and a pivot connection intermediate the steelyard and the yoke member.

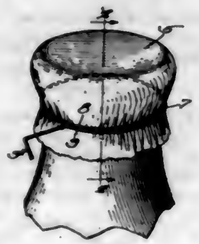
1,635,509. CAN. JAMES A. STEWART, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 15, 1921. Serial No. 492,235. 7 Claims. (Cl. 220—27.)



1. A can end having a circular score line and a point in said line at which an opening instrument is to be inserted, and directing score lines on said end arranged at

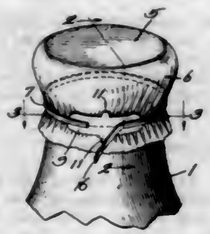
intervals away from said point and inward from said circular score line and inclined towards said insertion point at successively greater angles to said circular line.

1,635,510. BOTTLE CLOSURE AND METHOD OF PRODUCING THE SAME. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 20, 1926. Serial No. 110,447. 13 Claims. (Cl. 215—96.)



1. The method of sealing a bottle which consists in placing a skirted cap over the mouth of the bottle and about the bottle neck; placing a metallic ring about the cap skirt and bottle neck; contracting the ring into tight engagement with the cap by relatively moving adjacent ring portions oppositely and circumferentially; placing a bond between said ring portions that is inclusive of cement that will flux in response to heat; passing sufficient electric current through a portion of said ring to heat the ring where adjacent the cement to a degree to flux the cement; and permitting the cement to harden while the ring is contracted to hold said ring portions in ring contracting relation.

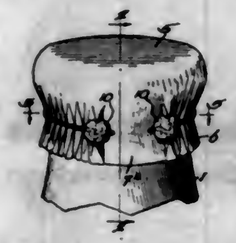
1,635,511. BOTTLE CLOSURE AND METHOD OF PRODUCING THE SAME. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 20, 1926. Serial No. 110,448. 16 Claims. (Cl. 215—96.)



1. The method of sealing a bottle which consists in placing a skirted cap over the mouth of the bottle and about the bottle neck; securing a bond to the skirt of the cap; placing a ring into tight engagement with the cap by relatively moving adjacent ring portions oppositely and circumferentially; and assembling said ring portions with said bond while the ring is contracted to hold the ring contracted.

1,635,512. BOTTLE CLOSURE AND METHOD OF PRODUCING THE SAME. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed Dec. 9, 1926. Serial No. 153,600. 8 Claims. (Cl. 215—96.)

1. The method of sealing a bottle which consists in placing a skirted cap over the mouth of the bottle and about the bottle neck; contracting a ring about the cap skirt by relatively moving adjacent portions thereof oppositely and circumferentially; and holding said ring portions in ring contracting relation by a part of the cap skirt between said ring portions.



1,635,513. BOTTLE CLOSURE AND METHOD OF PRODUCING THE SAME. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 8, 1927. Serial No. 172,402. 13 Claims. (Cl. 215—96.)

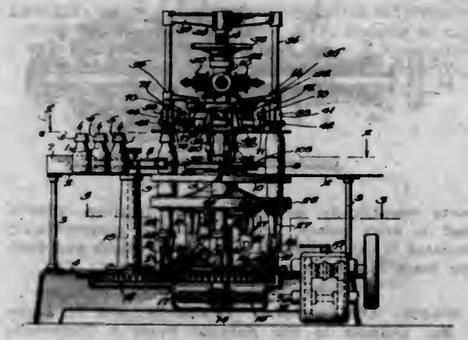


1. The method of sealing a bottle which consists in placing a skirted cap over the mouth of the bottle and about the bottle neck, contracting a ring about the cap skirt by relatively moving adjacent portions thereof oppositely and circumferentially into lapping relation; placing a patch of hot sealing wax directly upon said ring portions and directly upon the portion of the cap skirt at these ring portions; and holding the ring portions in ring contracting relation while the patch of sealing wax cools to enable it to hold said ring portions in ring contracting relation.

1,635,514. CLOSURE-APPLYING MACHINE. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 21, 1926. Serial No. 123,936. 47 Claims. (Cl. 140—94.)

1. The combination with two strand holders having arms upon which the holders are carried; of a support upon which said arms are pivoted to enable interchange

in the positions of the holders with reference to the support; gears upon and coaxial with said arms; and a



reciprocable rack member meshing with said gears to interchange the positions of the holders with reference to said support.

1,635,515. CLOSURE-APPLYING MACHINE. OLOF N. TEVANDER, Chicago, Ill., assignor to Standard Cap & Seal Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 21, 1926. Serial No. 123,937. 43 Claims. (Cl. 140—94.)

1. The combination with a positioner for a bottle having a skirted closure cap; of mechanism constructed to contract a strand about the skirt of the cap; and mechanism constructed to flux cementitious material upon adjacent portions of the strand to hold the strand taut, said positioner and mechanisms being relatively adjustable into cooperative relation.

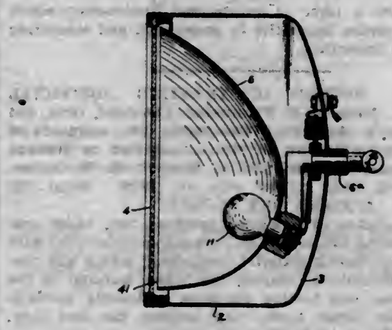
1,635,516. CINEMATOGRAPH FILM MATERIAL. JOHN EDWARD THORNTON, London, England. Original application filed Dec. 13, 1923, Serial No. 680,511, and in Great Britain Dec. 27, 1922. Divided and this application filed June 8, 1925. Serial No. 35,761. 6 Claims. (Cl. 95—2.)

1. A complete section film material of double standard width and half standard thickness comprising three main layers, a transparent base support, a sensitive colloid with color incorporated therein in two longitudinal stripes



of complementary colors and paper reinforcement with fine teeth or grain on the surface in combination with layers of adhesive material.

1,635,517. AUTOMOBILE HEADLIGHT. RUSSELL P. TYLER, San Francisco, Calif. Filed Nov. 1, 1926. Serial No. 145,449. 5 Claims. (Cl. 240—48.)



5. A head-light of the character described, comprising a substantially cylindrical-shaped housing, a parabolic reflector mounted within the housing, a rotatable support therefor, said reflector being disposed on an angle with relation to the longitudinal axis of the housing and the rotatable support, the peripheral front edge of said reflector being cut on an angle with relation to the longitudinal axis of the reflector so as to present a peripheral surface parallel to the front end of the housing.

1,635,518. ARTIFICIAL BAIT. JACK T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed May 29, 1926. Serial No. 112,582. 4 Claims. (Cl. 43—42.)

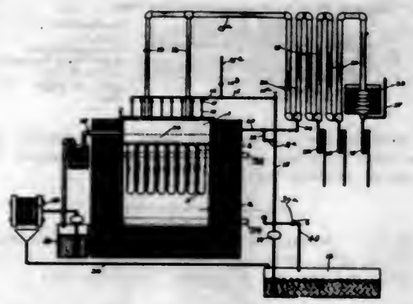


1. A bait consisting of a body portion of non-buoyant material divided longitudinally into upper and lower sections joined together and cored on its interior to increase the buoyancy of the forward end of the bait to the extent required to cause the bait to assume an oblique position when resting in the water, substantially as described.

1,635,519. PROCESS OF AND APPARATUS FOR BREAKING UP THE COMPONENTS OF PETROLEUM AND THE LIKE INTO MORE VOLATILE PRODUCTS. WILLET C. WELLS and FRANK E. WELLS, Columbus, Ohio. Filed Aug. 10, 1920. Serial No. 402,536. 18 Claims. (Cl. 196—70.)

14. The process of cracking hydrocarbon oils, consisting in passing the hydrocarbon oil before substantial

evaporation or dissociation through a molten metal bath in a retort, continuously supplying directly to the upper surface of such bath and continuously withdrawing from

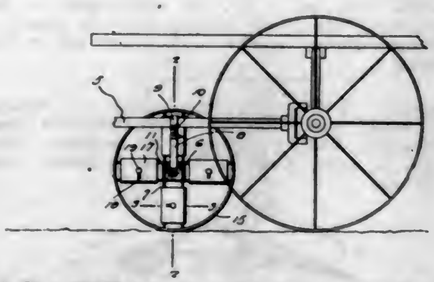


said surface, a layer of unvaporized hydrocarbon which holds the carbon impurities in suspension, and separating the carbon impurities.

1,635,520. METHOD OF TREATING ARTIFICIAL FUELS. HERBERT E. WETHERBEE, Cleveland, Ohio, and WILLIAM L. JACOBUS, Wilkes-Barre, Pa., assignors of one-third to Richard F. Grant, one-third to Howard M. Hanna, and one-third to Herbert E. Wetherbee, Cleveland, Ohio. Filed July 10, 1926. Serial No. 121,732. 12 Claims. (Cl. 44—23.)

6. The method of producing artificial fuel, which consists in filming the subdivided carbonaceous material with a composite binding material, comprising coking and non-coking hydrocarbons, shaping the filmed material in the desired sizes, and heating the same sufficiently partially to coke the filmed binder and coalesce the fuel body, substantially as set forth.

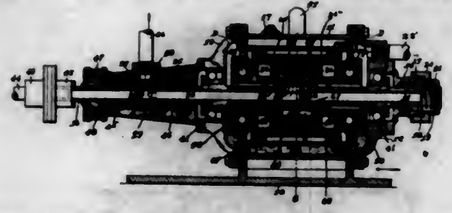
1,635,521. COTTON BLOCKER. JOHN ELISHA WILLIAMS, Longworth, Tex. Filed July 27, 1926. Serial No. 125,262. 2 Claims. (Cl. 97—22.)



1. In a blocking device of the character described, a hub member, spokes radiating from the hub member and arranged in pairs, a plurality of fenders having curved edges slidable on the spokes, one fender associated with each pair of spokes, rim rings on the outer ends of the spokes, a pair of plates associated with each fender, means for attaching the plates to the fenders so that they may be spread apart to increase the effective width of the fenders.

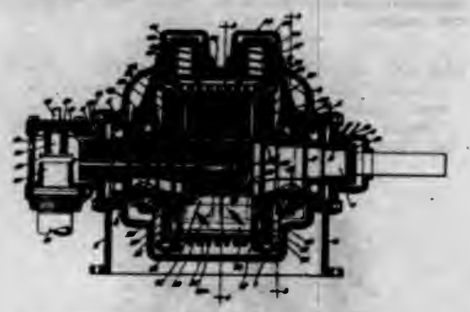
1,635,522. FLUID COMPRESSOR. EDWARD WILSON, St. Louis, Mo., assignor, by direct and mesne assignments, to National Pump and Compressor Company, St. Louis, Mo., a Corporation of Delaware. Filed May 7, 1918. Serial No. 233,040. 83 Claims. (Cl. 230—30.)

1. An air compressor comprising a stationary housing, a shaft mounted therein, a casing eccentrically mounted in said housing, means for adjusting said casing, a rotating cylinder provided with fixed and floating heads eccentrically mounted in said casing, ball bearings carried by the fixed heads, a rotor provided with inlet and outlet



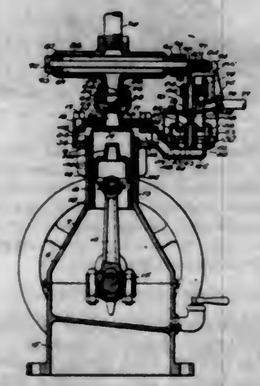
ports eccentrically mounted in said rotating cylinder, and a rotor piston tangentially and reciprocatingly mounted in said rotor, the said rotor, cylinder and floating heads forming a compression chamber.

1,635,523. COMPRESSOR. EDWARD WILSON, St. Louis, Mo., assignor to The National Pump & Compressor Company, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 22, 1926. Serial No. 96,371. 46 Claims. (Cl. 230—30.)



1. A compressor comprising a rotor, a cylinder enclosing and supported by the rotor, a yoke supported by the cylinder, and devices exerting pressure upon the yoke in a direction to press the cylinder against the rotor.

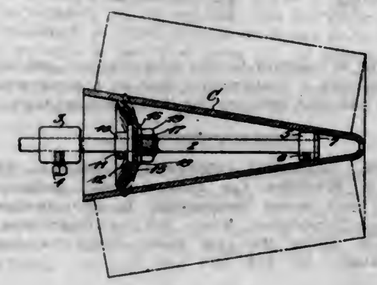
1,635,524. METHOD OF AND MEANS FOR COOLING COMPRESSORS. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake and Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 9, 1925. Serial No. 67,724. 13 Claims. (Cl. 230—6.)



1. In a compressor having an intake valve, an intake passageway leading thereto, water introducing means actuated by a drop in pressure in said intake passageway

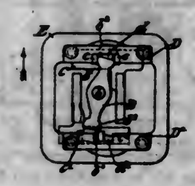
to spray water into the current of air drawn through said intake passageway upon the suction stroke only of the compressor.

1,635,525. COP HOLDER FOR TEXTILE MACHINES. JOHAN A. ANDERSON, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 17, 1925. Serial No 63,005. 6 Claims. (Cl. 242—130.)



1. A cop-holder for textile apparatus comprising means on which the cop-tube is supported and a resilient concavo-convex disk adapted to grip the interior of the tube to secure it to the supporting-means while holding it concentrically thereof and to flex to permit its removal therefrom.

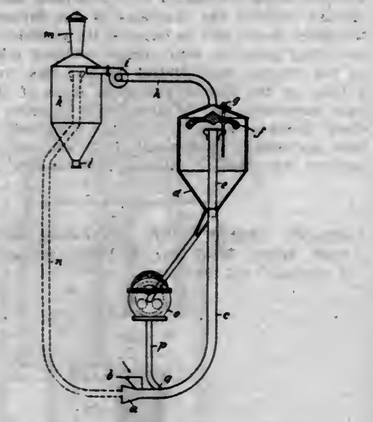
1,635,526. CHANGE-SPEED GEAR. HERBERT AUSTIN, Bromsgrove, England, assignor to The Austin Motor Company Limited, Northfield, near Birmingham, England. Filed July 18, 1923, Serial No. 652,244, and in Great Britain July 18, 1922. 6 Claims. (Cl. 74—39.)



1. In change speed gear, a gear operating device, a transverse lever, at a point intermediate the ends of which the gear operating device engages in a manner to move the transverse lever lengthwise and laterally at will, a part at each side of the gear box into pivotal engagement with which the corresponding end of the lever may be moved, the lever then being adapted to be rocked by the gear operating device about such part as a pivot, and means whereby the free end of the lever moves a selector device for changing the gear.

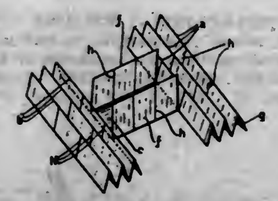
1,635,527. PNEUMATICALLY-FED CRUSHING AND SIFTING DEVICE. EMIL BARTHELMESS, Dusseldorf-Oberkassel, Germany. Filed Aug. 15, 1925, Serial No. 50,481, and in Germany Aug. 22, 1924. 2 Claims. (Cl. 83—73.)

1. A separating and crushing device comprising a pneumatic separator, a feeding duct having a horizontal portion and a vertical portion which latter rises into said separator, a feeding hopper opening into the horizontal portion of said feeding duct, an exhauster communicating with the upper part of the separator so as to draw the materials through the feeding duct into the separator and extract the finer particles from the latter, a crusher, and a return pipe for leading the coarser particles from the lower part of the separator to the crusher and thence back to the horizontal portion of the feeding duct, the



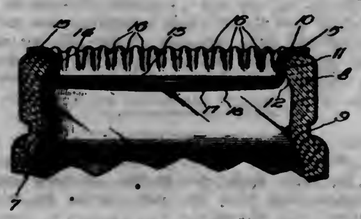
return pipe being arranged so as to open obliquely into the feeding duct in the direction in which the materials travel, substantially as and for the purpose set forth.

1,635,528. PACKING PRISMATIC ARTICLES. JAKOB BILD, Vienna, Austria. Filed Jan. 11, 1926, Serial No. 80,536, and in Austria Apr. 10, 1925. 4 Claims. (Cl. 229—87.)



1. A packing for prismatic articles such as lumps of sugar and the like, comprising an I-shaped sheet of flexible material the bar or stem portion of which is dimensioned to cover three faces of the article to be wrapped and the two wings capable of being superposed on the fourth face of said article and extending over the ends of the latter to overlap one another on the face opposite said fourth face.

1,635,529. SEAL FOR VESSELS AND THE LIKE. HERBERT J. BRAODON, Chicago, Ill. Filed Mar. 18, 1926. Serial No. 95,671. 3 Claims. (Cl. 215—39.)



1. As a new article of manufacture, a seal for the purpose specified comprising a resilient sheet-metal disk, the marginal portion of said disk being flanged upwardly at

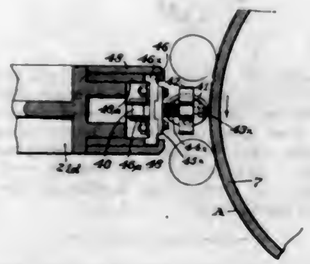
substantially right angles to the central floor portion of the disk and then flared outwardly at substantially right angles to said flanged portion, both the flanged and flared portions being corrugated with relatively small crimps to thereby increase the flexibility of the flanged portion of the sheet metal and to improve its yieldability under an encircling pressure, said crimps reaching relatively close to the central floor portion of the disk, together with a liner on the bottom and outer faces of the seal, said liner comprising one or more layers of paper with a combined thickness suitable to insure compressibility of said liner against the sheet metal of the seal and substantially without distortion of the seal, substantially as described.

1,635,530. PISTON RING. ERNEST N. BRODERICK, Detroit, Mich. Filed Nov. 5, 1920. Serial No. 421,893. 9 Claims. (Cl. 74—109.)



9. A piston ring blank comprising a body of greater width in cross-section at its outer than at its inner periphery, said blank being cast with a chilled surface, a portion of which surface is removed in finishing the blank to bring it to proper cross-section configuration.

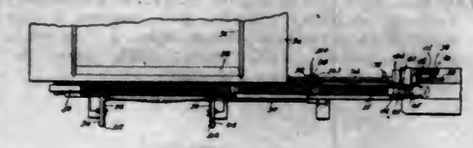
1,635,531. BIAS-CUTTING MACHINE. JAMES W. BRUNDAGE, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 21, 1926. Serial No. 117,454. 8 Claims. (Cl. 164—77.)



1. In a machine of the class described, a platen roll, means for driving the same, a carrier mounted to move towards and from the roll in a horizontal plane substantially coincident with the axis of the roll, an endless chain guided by said carrier and having spaced apart cutters, and means for driving said chain in unison with the roll.

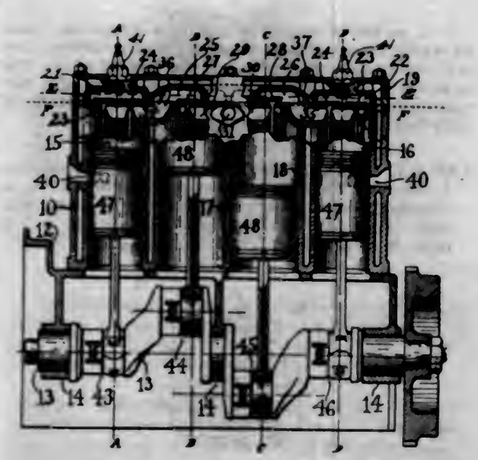
1,635,532. BOX-MAKING MACHINE. CHARLES BURNHAM, Washington, D. C. Original application filed Nov. 18, 1925, Serial No. 69,835. Divided and this application filed June 18, 1926. Serial No. 116,882. 9 Claims. (Cl. 93—93.)

1. In a box-making machine having an ejector mechanism, means for receiving the boxes from the ejector mechanism embodying a pair of nesting-belts and means for intermittently actuating the same, a main conveyor for receiving the nested boxes from said nesting-belts, means whereby the feeding operation of the nesting-



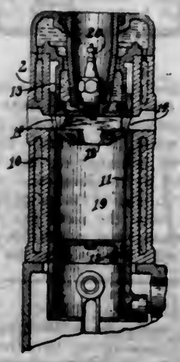
belts will be imparted to said main conveyor, and means for imparting a supplemental feed at a predetermined time to said main conveyor, for the purpose set forth.

1,635,533. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Corporation, Reno, Nev., a Corporation of Nevada. Filed Mar. 13, 1926. Serial No. 94,867. 4 Claims. (Cl. 123—59.)



2. In an eight cylinder V type two stroke cycle internal combustion engine, two rows of cylinders spaced relatively 90° apart, four cylinders in each row, the bores of the eight cylinders being of one diameter, two cylinders of each row being adapted to combustion, two cylinders of each row being adapted to charge pumping, pistons arranged for reciprocatory movement within the eight cylinders, a four crank pin crank shaft, the four crank pins of the crank shaft being spaced equally apart around the rotative circle of the crank shaft, one crank pin positioned axially each 90° of the rotative plane of the crank shaft, inlet ports formed in the clearance chamber space of each of the eight cylinders, and outlet ports formed in the clearance space chambers of the four charge pumping cylinders, poppet type inlet ports formed in the said chambers of each of the eight cylinders, mechanical means of actuating each of the said poppet type inlet valves in cycle one to one with the crankshaft of the engine, a fresh charge supply duct leading from the exterior of each block of four cylinder to each of the inlet ports occupied by the said poppet type valves seated in the clearance chambers of the two charge pumping cylinders of each row of four cylinders, the two end cylinders of each row of four cylinders being adapted to a like function and the two center cylinders of each of the two rows of four cylinders being adapted to a like function, four separate fresh charge volume transfer ducts, one fresh charge transfer duct extending from the said outlet port formed in the clearance space chamber of each of the four charge pumping cylinders to the inlet port formed in the clearance space chamber of each of the four combustion chambers, each of the said four transfer ducts establishing passage communication between the chambers of the first and second cylinders from each end of the two rows cylinders and each of the four transfer ducts joining the first and second cylinders from any given end of the four ends of the two rows of cylinders in to a pair of functionally related adjacent pair of cylinders and the crank pin of the crankshaft to which the piston of any given charge pump cylinder is connected being 90° in advance rotatively of the crank pin of the crank shaft to which the piston within the combustion cylinder related to the given charge pumping cylinder by a transfer duct.

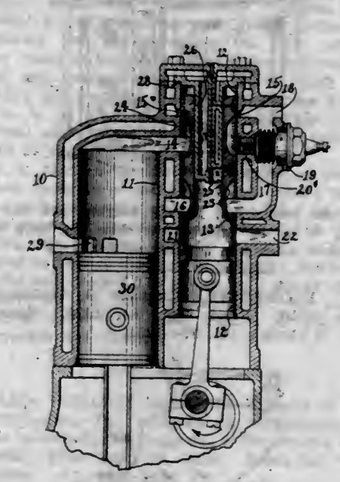
1,635,534. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Corporation, Reno, Nev., a Corporation of Nevada. Filed Apr. 20, 1926. Serial No. 103,328. 2 Claims. (Cl. 123—65.)



1. In an internal combustion engine, a sleeve valve, a depending cylinder head, a transverse passage in the abutment of the said cylinder head, the said transverse passage extending centrally through the said head with openings through the periphery of the said head at oppositely disposed points, two oppositely disposed recesses formed at the end edge of the abutment of the cylinder head, the said recess being in substantially the same plane as the plane of the said transverse passage, the said recesses being formed at points equally disposed circumferentially between the said openings of the transverse passage through the periphery of the said cylinder head; a venturi formed throat formed at the center of the said cylinder head, said throat providing a central opening crankwardly from the said transverse passage, the root of the said recesses being formed as a semicircular contour extending headwardly and radially, and ignition means located in the cylinder head with the sparking terminals extending into the transverse passage in the said cylinder head.

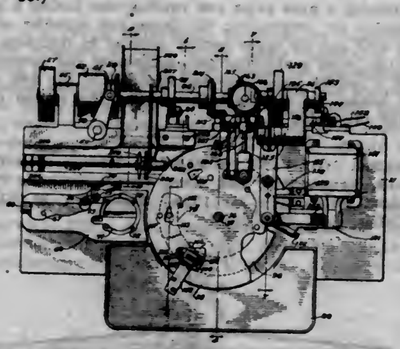
1,635,535. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Corporation, Reno, Nev., a Corporation. Filed May 15, 1926. Serial No. 109,248. 4 Claims. (Cl. 123—188.)

1. An internal combustion engine provided with a combustion chamber and with a fresh charge inlet valve cylinder chamber, an inlet valve arranged for reciprocatory movement within the valve cylinder chamber, the periphery of the valve being cylindrical in form, two annular grooves formed in the said cylindrical periphery of the valve, one of the said two annular grooves providing



fresh charge inlet passage communication from the source of fresh charge supply, the other one of the said two annular grooves providing fresh charge transfer passage communication to the combustion chamber.

1,635,536. MACHINE FOR FASTENING KEYS TO CAN COVERS. WILLIAM F. BUTLER, Hillside, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 13, 1923, Serial No. 680,379. Renewed Nov. 27, 1925. 30 Claims. (Cl. 20—33.)

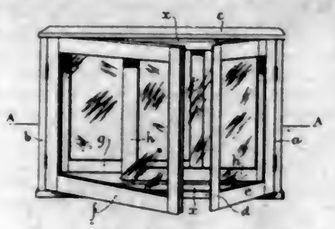


1. A machine for attaching keys to can covers, comprising in combination a turret, means for positioning can covers in pockets of said turret, means for depositing keys upon the top of said covers at a station in the rotation of the turret, means for welding the keys to the covers, and means for testing the strength of the weld.

1,635,537. CASEMENT WINDOW. CHARLES SAMUEL CLARKE, Wick, near Bristol, England. Filed Nov. 15, 1926, Serial No. 148,506, and in Great Britain Aug. 14, 1926. 2 Claims. (Cl. 20—53.)

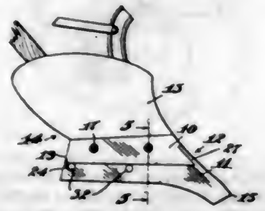
1. A casement window comprising a rectangular frame and four sashes, hinged at their sides to the front and

the back of the two sides of the frame respectively, one pair of sashes when closed being adapted to close the



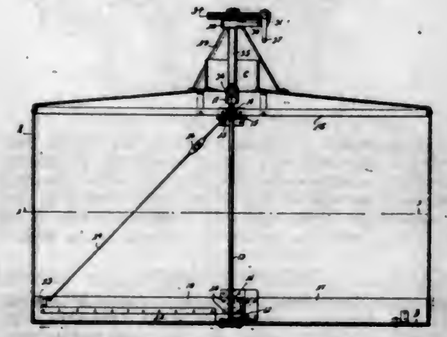
front of the frame and not to overlap and the other pair being of a size adapted to close the back of the frame and to overlap to a substantial degree.

1,635,538. PLOWPOINT. CHARLES S. COLEMAN, Los Angeles, Calif. Filed Sept. 14, 1925. Serial No. 56,167. 1 Claim. (Cl. 97—125.)



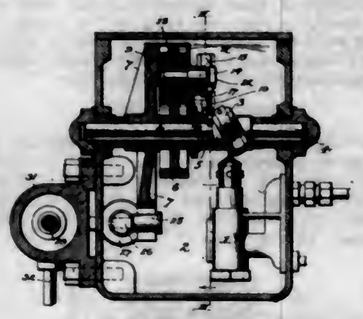
In a plow of the class described, a renewable plow share and point comprising a unit for attachment to an unaltered fixed share of a plow, the lower edge of said unit being reduced in thickness for a portion of its length only to provide both longitudinal and lateral shoulders, a flange formed at the forward end of the member extending toward the land side and a shoulder formed on said flange whose forward end terminates short of the forward margin of the flange, a second unit comprising a plow point and cutting edge having a point extension for overlapping the flange and shoulder of the first unit and its upper portion reduced in thickness and provided with a shoulder for engagement and connection with a recited lower edge and shoulder of the first unit, and means for detachably connecting the recited edges of the two units.

1,635,539. OIL-TANK CLEANER. METCALFE C. COLEMAN, Drumwright, and EARL D. SHOEMAKER, Tulsa, Okla. Filed May 18, 1925. Serial No. 31,167. 4 Claims. (Cl. 210—209.)



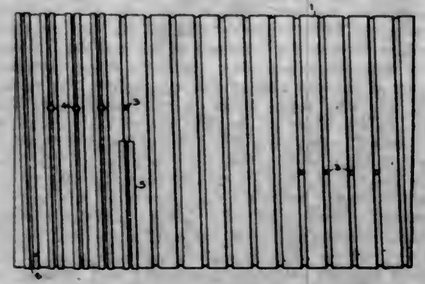
1. In combination with a tank, a clean out device comprising a vertical shaft rotatably mounted within the tank at the center thereof, a rigid sweep arm carried by the shaft, a member of flexible material carried by the sweep arm and bearing upon the bottom and against the inside wall of the tank, the tank having its lower portion provided with a discharge opening, a movable deflecting member disposable automatically at either side of the opening, and means for rotating the shaft carrying the sweep.

1,635,540. LUBRICATOR. WILFRED GEORGE COLES, Madison, Wis., assignor to Madison Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed Apr. 19, 1924. Serial No. 707,780. 2 Claims. (Cl. 184—27.)



1. In a force feed lubricator the combination of a motor; means for feeding fluid pressure thereto from the machine to be lubricated to actuate the same; an oil pump; a ratchet wheel in operative relation therewith; an oscillating lever actuated by the motor; a spring pressed pawl carried by the lever and normally engaging the ratchet wheel to drive the same in one direction; lifters adapted to move the pawl out of engagement at both ends of the stroke; and means for adjusting at least one of the lifters with reference to the wheel.

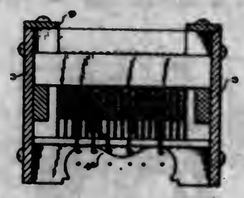
1,635,541. INDUCTANCE DEVICE. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 24, 1925. Serial No. 45,779. 5 Claims. (Cl. 175—359.)



1. In a coil, a support, a flat conductive strip having a longitudinally depressed portion wound along said support, and means extending along said support in juxtaposition to a portion of said strip between the edges thereof for positioning said strip upon said support.

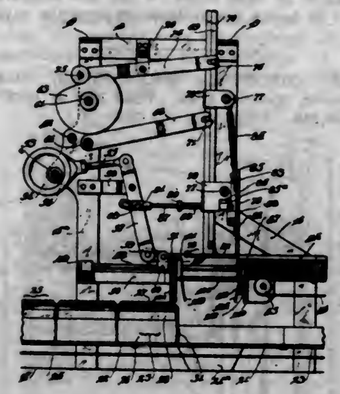
1,635,542. PLAYING ATTACHMENT FOR STRINGED INSTRUMENTS. JAMES S. CONNER, Roanoke, Ala. Filed Oct. 18, 1922. Serial No. 595,387. 2 Claims. (Cl. 84—317.)

1. A playing attachment for a stringed musical instrument comprising a plurality of bars disposed in side by side parallelism, a mounting adapted to be attached to the stringed neck of the musical instrument, said mounting being adapted for disposition over the strings, said bars being pivotally connected to the mounting, a string pressing pin depending from each bar, the various pins being disposed for cooperation with predetermined strings and frets, a plurality of separately operable finger bars



disposed over said first named bars, means carried by said finger bars and cooperable with the pin carrying bars, whereby when one finger bar is depressed, a predetermined group of the first named bars will be operated, and means for maintaining the finger bars normally in an inoperative position.

1,635,543. PACKAGE-FILLING MACHINE. JOHN D. CONTI, Philadelphia, Pa. Filed Nov. 17, 1926. Serial No. 148,790. 31 Claims. (Cl. 226—14.)



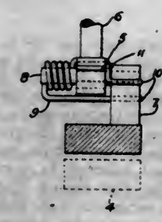
1. A machine for packing cakes and biscuits into cartons including a conveyor for supplying material to the machine, a conveyor for carrying empty cartons to and filled cartons from the machine, a measuring unit adapted to receive a predetermined quantity of material, means for stopping an empty carton in position to be filled, means for intermittently stopping the flow of material to the measuring unit, means controlled by a driving member for lowering said unit toward an empty carton, and a filling plunger under the control of said member for guiding said material through the carton.

4. A machine for packing cakes and biscuits into cartons including a conveyor for supplying material to the machine, a conveyor for carrying empty cartons to and filled cartons from the machine, a measuring unit adapted to receive a predetermined quantity of material, means for stopping an empty carton in position to be filled, means for intermittently stopping the flow of material to the measuring units, means for lowering the material from the measuring unit into the carton to be filled, said last three means being operatively controlled by the same member, means for frictionally holding said material against too rapid a downward movement, and means to actuate the conveyors.

5. A machine for packing cakes and biscuits into cartons including a conveyor for supplying material to the machine, a conveyor for carrying empty paper lined cartons to and filled cartons from the machine, a measuring unit adapted to receive a predetermined quantity of material, means for stopping an empty carton in position to be filled, means for intermittently stopping the flow of material to the measuring unit, means controlled by the measuring unit for spreading the outer edges of the paper lining of the carton, means for lowering the measuring unit toward the carton to be filled, means for lowering the material from the measuring unit into the carton to be filled, means for frictionally holding said material against too rapid a downward movement, and means to actuate the conveyors.

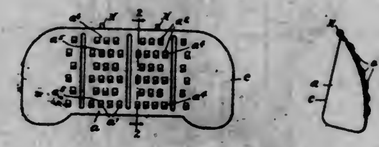
31. A machine for packing biscuits or the like into cartons including a measuring unit, means for positioning a series of empty cartons to be filled by said unit, a filling means for contacting with material in the unit and guiding the material into the cartons, said unit being adapted to receive a charge of material, means for lowering the unit toward the carton, and means operative responsive to the lowering movement for automatically swinging open the bottom portion of the unit as it approaches the carton.

1,635,544. CIRCUIT BREAKER. LESLIE N. CRICHTON, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 27, 1922. Serial No. 590,767. 4 Claims. (Cl. 200—144.)



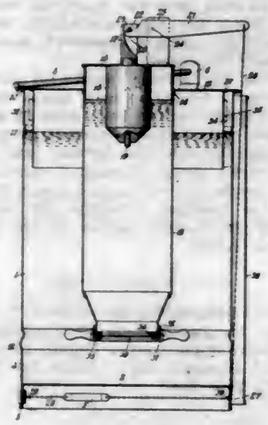
2. In a circuit interrupter, an arcing tip comprising a finger member, a shaft at an angle thereto, a spiral spring mounted on said shaft, means for tensioning and limiting the rotation of said spring, the end portions of said spring being bent to engage the opposite sides of said finger, whereby movement of said finger is controlled during the opening and closing of said circuit interrupter.

1,635,545. PROTECTIVE COVER FOR BREATHING APPARATUS. ALEXANDER BERNHARD DRAGER, Lubeck, Germany. Filed Nov. 30, 1925, Serial No. 72,144, and in Germany Dec. 1, 1924. 1 Claim. (Cl. 128—191.)



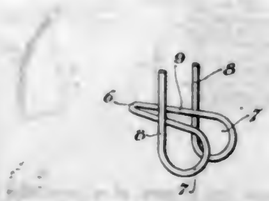
A protective shield for a part of a breathing apparatus, comprising a metallic sheet forming a hinged cover adapted to fit over said part and having a plurality of parallel slits arranged in pairs, the portion of metal between each pair of slits being bulged outwardly to form ventilating apertures in planes perpendicular to the plane of the sheet.

1,635,546. FIRE EXTINGUISHER. GEORGE ENNIS FERGUSON, Spring Valley, N. Y., and LEWIS GOUVERNEUR MORRIS TIMPSON, Plainfield, N. J., assignors to Pyrene Manufacturing Company, Newark, N. J., a Corporation of Delaware. Filed Sept. 1, 1925. Serial No. 53,828. 2 Claims. (Cl. 169—27.)



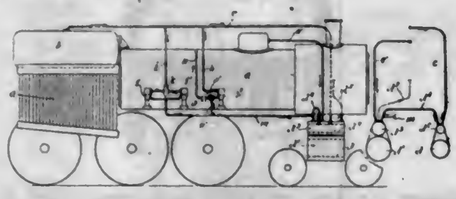
1. In a fire extinguishing device of the foam type, an outer receptacle adapted to hold a liquid and having a plurality of unobstructed openings in its wall near the top thereof, a cover for said receptacle, an inner receptacle having its wall spaced from the wall of the first named receptacle and adapted to carry a liquid which when mixed with the first named liquid will produce a foam, means for causing the two liquids to commingle whereby a gas is generated and a foam is produced, and a depending wall within said outer receptacle near the wall thereof and extending below said openings to a point slightly below the normal liquid level of the first liquid, whereby the surface of the liquid in the outer receptacle from which evaporation takes place through said openings is reduced to a small part of the total area of the surface of the liquid in said outer receptacle, and whereby upon generation of gas only the upper portion of the liquid within the outer receptacle is ejected through said openings and the remaining liquid within the outer receptacle is prevented from escaping except as a foam.

1,635,547. KNITTING DEVICE. WILLIAM J. GOURIE, Philadelphia, Pa. Filed Sept. 15, 1926. Serial No. 135,535. 4 Claims. (Cl. 66—4.)



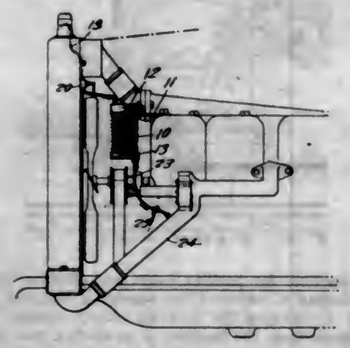
1. A hand knitting device having an open V-shaped body portion, loops formed below and integral with the body portion, and yarn engaging pins extending upwardly from and integral with the said loops.

1,635,548. PORTABLE POWER PLANT UTILIZING STEAM AT DIFFERENT PRESSURES. OTTO H. HARTMANN and FRIEDRICH WEMPE, Cassel-Wilhelmshohe, Germany, assignors to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed May 2, 1925, Serial No. 27,407, and in Germany May 14, 1924. 2 Claims. (Cl. 60—47.)



1. A locomotive comprising a high-pressure steam generator, a low-pressure steam generator, a main engine having two stages receiving steam from said generators respectively, an air pump and an engine therefor, a conduit leading from said high-pressure generator to the air pump engine, a conduit leading exhaust steam from said air pump engine to said low-pressure steam generator, a connection from the air pump engine to the low-pressure stage of the main engine, and a selecting arrangement for permitting exhaust steam from the air pump engine to pass either to the low pressure steam generator or to the low-pressure stage of the engine.

1,635,549. CONDENSER AND COOLER. HARVEY F. HOLLISTER, Spencer, Iowa. Filed Feb. 4, 1924. Serial No. 690,466. 3 Claims. (Cl. 257—25.)



1. In combination with an internal combustion engine radiator having water circulating pipes, a condenser, comprising an upper and lower compartment, condensing means, interposed therebetween, an overflow tube leading from the radiator, a three-way valve connected thereto, a feeding tube leading from the three-way valve and communicating with the upper compartment, a second tube diametrically opposite said feeding tube, a condensate tube leading from the lower compartment to one of said water circulating pipes and a check valve located in said condensate tube.

1,635,550. FIGURE TOY. WILLIAM H. JOHNSON, Haverhill, Mass. Filed Feb. 17, 1927. Serial No. 168,958. 1 Claim. (Cl. 46—40.)

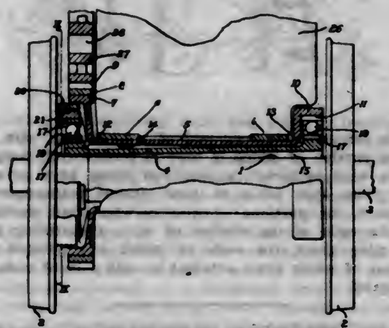
A figure toy comprising a card having the figure of a person and of an open receptacle represented thereon in adjacent relation, said card having finger holes therethru in the position in which the limbs of the figure represented would normally appear joined, and a slit

adjacent thereto and in a position in which the said opening in the receptacle is represented, to permit the fingers of the exhibitor to be inserted thru the holes



from the back of the card and passed thru the slit to conceal the tips thereof and represent the limbs of the figure as inserted in the receptacle.

1,635,551. QUILL DRIVE. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 1, 1923. Serial No. 622,061. 3 Claims. (Cl. 105—131.)



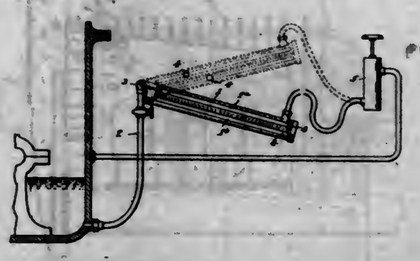
1. A flexible drive element comprising a wheeled axle, a plurality of tapered quills disposed around said axle and journaled independently thereof, the large end of one quill being movably joined to the small end of another, and means for movably joining said last-named quill with said axle.

1,635,552. CHAIN GUIDE. CLAUDE P. LA SHELLE and WALTER A. BEHRENS, New York, N. Y. Filed Sept. 2, 1921. Serial No. 498,105. 1 Claim. (Cl. 173—354.)



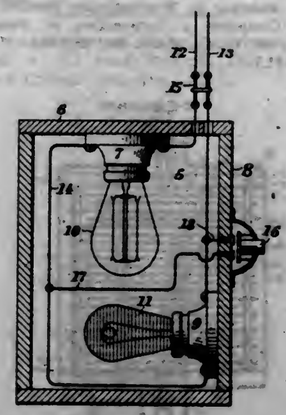
A pull socket comprising an insulating body having a lug integral therewith and projecting outwardly therefrom near its upper edge, a chain guide having a base plate loosely fitting against the outer wall of the body and having an opening through which said lug extends and a cross bar overstanding the upper edge of said lug and a shell enclosing said body and base plate, said shell consisting of a body having a slot into which said lug extends to prevent relative rotation of the body and shell and a cap covering the outer end of said lug, said lug and base plate being so interlocked as to prevent the chain guide from shifting on said body in any direction except in a direction at right angles to said body when said shell is removed, said chain guide being readily removable in a direction at right angles to the surface of the body at said lug when the shell is removed.

1,635,553. DILUTOMETER. CLIFFORD M. LARSON and CARL L. KNOPP, Chicago, Ill. Filed Apr. 4, 1921. Serial No. 458,340. 3 Claims. (Cl. 265—11.)



1. In a device of the character described, the combination with parallel tubes, one of said tubes being sealed and having a liquid of known fluidity and viscosity therein, means for introducing an extraneous liquid to the other tube or tubes and movable means positioned in the respective tubes of greater density than the liquids therein and operable with the inclination of the tubes to any angle to accurately register their comparative fluidity, regardless of speed of inclination.

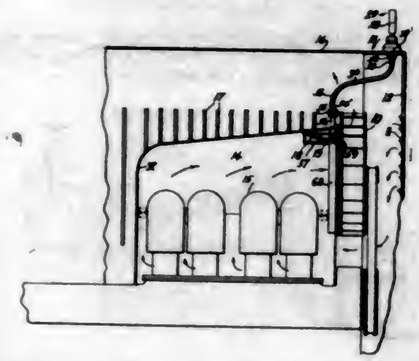
1,635,554. PHOTOGRAPHIC-PRINTING APPARATUS. STATES LEE LEBBY, Corning, N. Y. Filed Dec. 19, 1922. Serial No. 607,845. 1 Claim. (Cl. 176—10.)



A device of the class described comprising an electric circuit having two lamps, one of said lamps being clear and the other lamp being ruby, said ruby lamp having relatively greater resistance than the clear lamp and being capable of carrying sufficient current to cause subdued illumination of the clear lamp, a switch, and circuit

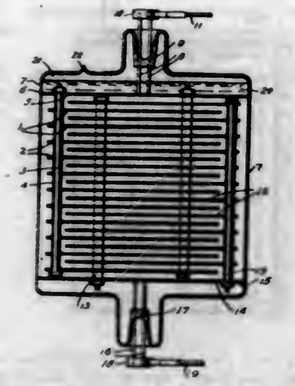
connections for connecting the source of current, and the switch in parallel with the ruby lamp, whereby the ruby lamp can be short circuited to allow the full line voltage to pass through the clear lamp and the clear lamp can function as an automatic heat rheostat when the ruby lamp is lighted.

1,635,555. INDICATING DEVICE. PETER GRAHAM MACGREGOR, Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a Corporation of Delaware. Filed Aug. 18, 1923. Serial No. 658,126. 3 Claims. (Cl. 73—118.)



1. A device of the class described, comprising an inner casing adapted to receive a dial plate, said dial plate and walls of said inner casing forming a chamber, an indicator operating means contained within said chamber, an outer casing enclosing said inner casing and having an extension enclosing a portion of the indicator operating means, a thermal expansion member, and a flexible connecting means adapted for attachment to said extension and operatively connected at one end to said indicator operating means and at the other end to said thermal expansion member.

1,635,556. CONDENSER. RALPH E. MARBURY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1924. Serial No. 686,543. 12 Claims. (Cl. 175—41.)



1. A low-loss condenser comprising a group of a plurality of condenser plates, conducting connecting means rigidly connecting said group of plates together in parallel spaced relation, a second group of the same number of condenser plates, conducting connecting means rigidly connecting said second group of plates together in parallel spaced relation, a container comprising a tubular insulating wall, said groups of plates being assembled with the plates of one group interspersed between the plates of another group, whereby one end plate belongs to one group and the other end plate belongs to the other group, means for rigidly supporting said groups from said end plates, respectively, and a liquid dielectric in said container.

1,635,557. FUR-PELT STRETCHER. MARCELLUS W. MEEK, Arcadia, Calif. Filed Dec. 31, 1925. Serial No. 78,527. 2 Claims. (Cl. 149—21.)



1. A fur stretcher composed of a section of wire, the central portion of which is bent to form a coil, portions of the wire adjacent to said coil being bent outward away from each other to form abrupt pelt-supporting shoulders, the portions of wire between said shoulders and the ends of the section of wire constituting pelt-supporting arms, the ends of which are pointed and portions of which arms adjacent to said pointed ends are corrugated.

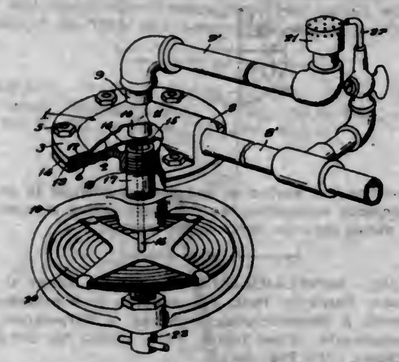
1,635,558. TELEPHONE CONSTRUCTION. ALEXANDER NYMAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 27, 1922. Serial No. 556,856. 1 Claim. (Cl. 181—32.)



In combination, a vibratory diaphragm for a sound-translating device and a member riveted thereto and provided with a threaded perforation.

1,635,559. THERMOSTATIC GAS REGULATOR. HARRY J. ROCKWELL, Bellflower, Calif. Filed July 31, 1922. Serial No. 578,780. 7 Claims. (Cl. 236—99.)

1. A thermostatic gas regulator comprising a cup, a cap therefor, a diaphragm between said cup and cap and extending over the cavity of the cup, said cup being provided with a gas inlet and a gas outlet, the orifice of said gas outlet being adjacent to the plane of the diaphragm, and sufficiently spaced therefrom to allow free flow of gas to the outlet, and thermostatic means



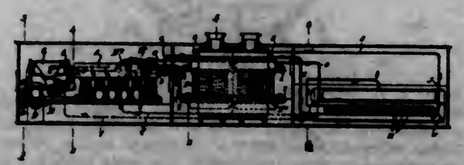
responsive to change in temperature of the surrounding atmosphere for pressing the diaphragm toward the outlet to diminish the flow of gas from the cup.

1,635,560. THREE-WHEEL RIDING CULTIVATOR, KAY B. RUBINS, Morral, Ohio. Filed Apr. 29, 1925. Serial No. 26,712. 1 Claim. (Cl. 97—153.)



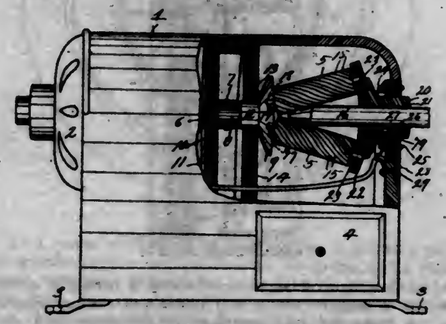
A cultivator comprising main and forward frames of which the latter is pivotally connected with the former, a supporting wheel rotatably mounted in the forward frame, an axle extending through the supporting wheel and protruding laterally therefrom on opposite sides, shovel-carrying beams comprising two sections of which the forward section is pivotally connected with said axle for swinging movement in a vertical plane and the rear section pivotally connected to the forward section for swinging movement in a horizontal plane, eye bolts constituting said pivotal connections between the beam sections, springs tensioned between the forward frame and the eyes of the eye bolts, and handle members carried by the rear sections of the shovel-carrying beams.

1,635,561. STEAM-POWER PLANT FOR SUBMARINES. WILHELM SCHMIDT, Cassel-Wilhelmshohe, Germany; Simon Hoffmann, Cassel-Wilhelmshohe, Germany, executor of Wilhelm Schmidt, deceased, assignor to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed May 11, 1922, Serial No. 560,019, and in Germany May 23, 1921. 3 Claims. (Cl. 60—65.)



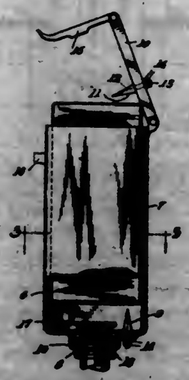
1. A power plant for submarines, comprising a multiple stage steam engine, a receiver connected with successive stages of said engine so that steam will pass through said receiver on its way from one stage to a lower pressure stage, a storage receptacle having connections to receive live steam during surface travel of the submarine, and to supply steam to the engine during submerged travel, another storage receptacle having a connection to store heat during surface travel, a heating coil located within said receiver and having a connection to receive stored heat from said second-named receptacle, during submerged travel, and thereby superheat the steam which passes through said receiver on its way from one stage to another, and a conduit for conveying the condensation product from said coil to the lower portion of the first-named receptacle.

1,635,562. PENCIL SHARPENER. JULIUS SLUNICKO and JOHN A. NIXON, Omaha, Nebr. Filed Oct. 23, 1925. Serial No. 64,382. 2 Claims. (Cl. 120—95.)



1. A pencil sharpener comprising a casing, a motor disposed in said casing, a drive shaft carried by said motor, a disc detachably connected to the drive shaft, diverging cutter rollers carried by said disc, an apertured pencil receiving head rotatably mounted in a bearing of the casing axially in relation to the motor shaft and to which the diverging rollers are connected, a conductor ring disposed within the casing and surrounding the pencil receiving head, a spring contact member within the pencil receiving aperture of the head and positioned whereby when a pencil is inserted in the head the circuit will be closed through said contact member and the conductor ring.

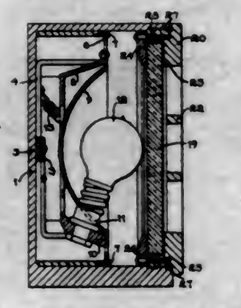
1,635,563. LUBRICATING DEVICE. HENRY SANFORD, New York, N. Y. Filed May 19, 1924. Serial No. 714,211. 6 Claims. (Cl. 184—105.)



1. An oil can holder adapted to be connected to the oil intake of a motor, comprising a tank of non-circular cross-section having a bottom, a cutter mounted above

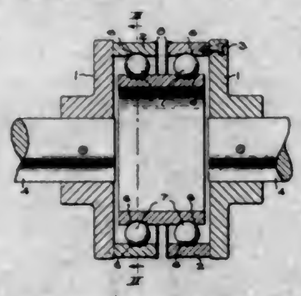
said bottom, a hinged cover of non-circular cross-section for said tank provided with a cutter positioned between the center and the hinge side of said cover, said cutter being adapted to puncture a permanently sealed container of a cross-section corresponding to that of said tank and inserted in said holder when said cover is closed, and a spring follower in said tank for lifting said container when said cover is opened to permit grasping said container by the fingers to remove it from said tank.

1,635,564. MINE-LOCOMOTIVE HEADLIGHT. JOHN R. TOWNSEND, South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 2, 1922. Serial No. 591,795. 3 Claims. (Cl. 240—90.)



1. A headlight structure comprising a casing, a spider therein, a support within said spider and springs secured to the front and rear portions of said spider and converging to points of attachment in said support lying in a plane intermediate said front and rear portions.

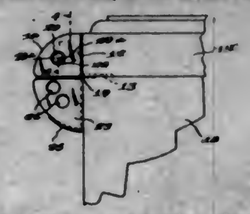
1,635,565. FLEXIBLE COUPLING. WILLIAM E. TRUMPLER, Wilkinsburg, and CARL RICHARD SODERBERG, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 28, 1924. Serial No. 716,327. 13 Claims. (Cl. 64—91.)



1. A flexible coupling comprising a pair of complementary hub members having rings axially disposed and secured thereto, a ring member disposed between said hub rings, and balls contained within apertures provided in said rings.

1,635,566. CLOSURE CHECK AND ADJUSTER. MORRIS VICTORSOHN, Brooklyn, N. Y., assignor to Victorson Manufacturing Corporation, New York, N. Y. Filed May 9, 1925. Serial No. 29,064. 1 Claim. (Cl. 292—74.)

A closure check structure comprising a pair of casing members mounted for relative swinging movement and whereby one casing member may be received within the other, the outer member having a side wall provided with openings the centers of which are located upon an arc structure from the axis of the hinge as a center and a spring pressed detent slidably mounted in the inner cas-

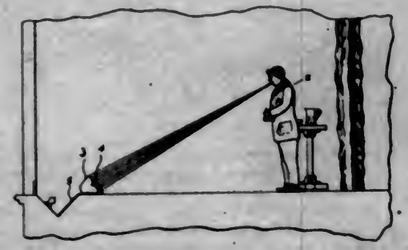


ing member and having an end portion adapted to enter the openings successively as the inner casing member is being swung into the outer casing member.

1,635,567. NONFLAMMABLE VARNISH. HENRY C. P. WEBER, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 5, 1922. Serial No. 572,960. 4 Claims. (Cl. 134—26.)

1. A varnish solution comprising a varnish base, a solvent containing monochlorbenzol and carbon tetrachloride and a small amount of restraining agent.

1,635,568. SOUND-RECEPTION SYSTEM. JOSEPH E. AIKEN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1924. Serial No. 688,391. 1 Claim. (Cl. 179—1.)



A sound-collecting system for use upon a rostrum to collect the sound of a speaker's voice but to shut out the sounds set up by an audience, comprising a reflector having a focus disposed between the audience and the speaker sufficiently spaced from the speaker to provide an unobstructed view of him and directed toward the speaker, a microphone at the focus of the reflector, and a loose fabric supported behind the speaker, said fabric being an efficient sound absorber and poor reflector, thereby reflecting no sounds from the audience upon the reflector.

1,635,569. VEGETABLE-TOPPING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Aug. 30, 1926. Serial No. 132,331. 5 Claims. (Cl. 146—83.)



1. A pair of vegetable topping rolls comprising a roll having a cross-sectional outline corresponding substantially to a polygon with the sides of the polygon depressed,

and a roll of substantially circular cross section having projections formed on its surface, said projections being adapted to register with the depressions in the companion roll in a spaced relation therefrom, the corners of said companion roll being adapted to contact with the walls of the other roll between the projections thereon.

1,635,570. WINDOW-GLASS GUIDE. EDWIN W. M. BAILEY, Amesbury, Mass. Filed June 9, 1926. Serial No. 114,711. 1 Claim. (Cl. 296—44.5.)



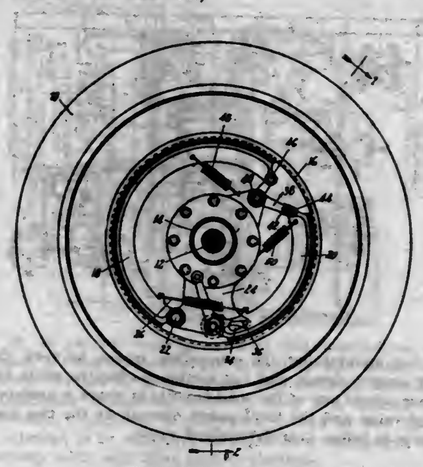
In a casing having a window opening, and a vertically slidable window glass sheet, for closing said opening, adapted to be lowered to open the same, a pair of vertically disposed guides for the side edge portions of the sheet, each guide comprising two normally aligned channel metal strip sections arranged with their adjacent ends in abutment with the lower section terminating at its upper end adjacent the bottom of the opening and a flexible cushioning lining secured within said strip sections and extending continuously from one section to the other to provide guiding surfaces between said sections, said lining being adapted to permit the upper section to be swung out of line with the lower section so that the sheet may be inserted at the upper end thereof.

1,635,571. BRAKE. PAUL BASTIEN, Cleveland, Ohio, assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1923. Serial No. 666,514. 17 Claims. (Cl. 188—78.)



3. In brake mechanism, the combination of a brake drum, a plurality of brake shoes arranged end to end and engageable with the drum, torque-taking means anchoring one of the shoes, a brake-applying device acting in the other shoe, and power-multiplying means separate from the brake-applying device and positively connecting the shoes and through which said other shoe acts to apply the anchored shoe.

1,635,572. BRAKE. PAUL BASTIEN, Indianapolis, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 4, 1923, Serial No. 666,514. Divided and this application filed Mar. 8, 1926. Serial No. 93,028. 15 Claims. (Cl. 188—78.)



1. A brake comprising, in combination, a drum, a pair of friction devices engageable with the drum, and a rigid lever fulcrumed between its ends between the center of the drum and its circumference, one friction device being directly pivoted to the lever and arranged to act on one end of the lever to rock the lever about its fulcrum, and the other end of the lever being directly pivoted to the other device and arranged to force the other friction device against the drum.

1,635,573. METAL SCREEN FOR FIREPLACES. FRANK BERTRAM, Roslindale, Mass., assignor to The S. M. Howes Company, Boston, Mass. Filed Oct. 13, 1926. Serial No. 141,389. 2 Claims. (Cl. 126—202.)

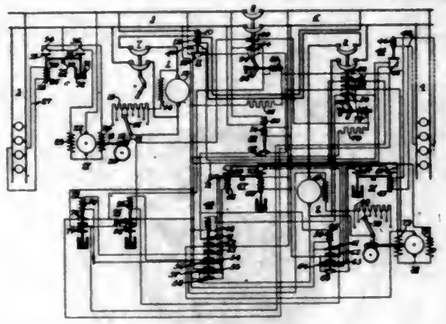


1. A fire-place screen, composed of a plurality of screen units each equipped with pivot studs adjacent its corners, connector members fitted over said pivot studs and having tie rods holding said members assembled with said studs, flanged cover plates at the top of the screen units fitted over said connector members and said studs to completely house and enclose the same, and caps secured to projecting ends of said tie rods and engage with said cover plates to hold them against displacement.

1,635,574. AUTOMATIC STATION. CHARLES E. CAREY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,718. 13 Claims. (Cl. 171—118.)

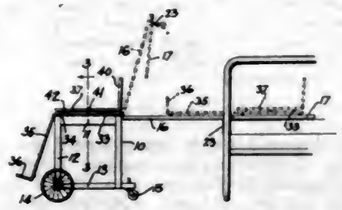
1. In an electrical system, the combination with two bus sections, connecting means therebetween, a load circuit connected to each bus section, a supply circuit for

each bus section, and connecting means between each supply circuit and the corresponding bus section, of means for maintaining the connecting means between the two bus sections and the connecting means between one of the supply circuits and the corresponding bus section effective,



and for maintaining the connecting means between the other supply circuit and bus section ineffective while the voltage across one of the load circuits is above a predetermined value and the total power demand of the two load circuits is below a predetermined value.

1,635,575. TRANSFER DEVICE FOR INVALIDS. EDWIN COLE, Jamaica, N. Y. Filed Oct. 28, 1926. Serial No. 144,835. 4 Claims. (Cl. 5—81.)



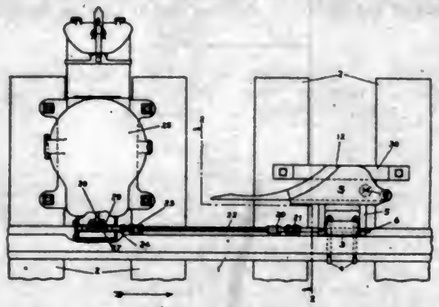
1. In combination with an invalid chair, a pair of track members adapted to extend from the said chair to a bed, a platform slidably engaging the said track members, and an auxiliary seat rotatably mounted upon the said platform.

1,635,576. METHOD OF MAKING DIPPED RUBBER ARTICLES. JOHN HADFIELD, Akron, Ohio, assignor to John R. Gammeter, Akron, Ohio. Filed Jan. 12, 1927. Serial No. 160,777. 10 Claims. (Cl. 18—58.)

1. A method for making rubber articles by dipping which comprises providing a solution of concentrated latex containing a vulcanizing agent and an accelerator of vulcanization, immersing a glazed form heated to a vulcanizing temperature in the solution for sufficient time to vulcanize a film of rubber thereon, removing the form from the solution, reducing the temperature of the form, heating the exterior of the deposited rubber on the form to dry the same, repeating the four last-named steps of the method to obtain an article of the desired thickness, and further vulcanizing the article by application of heat and pressure to the exterior thereof.

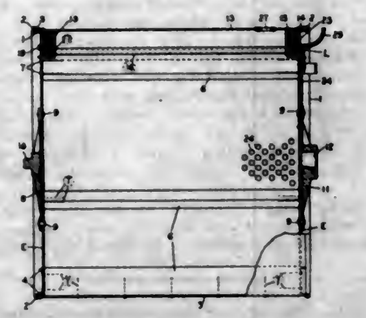
1,635,577. SKATE MACHINE. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Filed Nov. 20, 1925. Serial No. 70,337. 6 Claims. (Cl. 246—257.)

1. In an emergency train stop device, the combination with a railway rail, of a support fixedly secured to said rail, a skate placing mechanism pivotally connected to said support having one element of a slidable non-rotatable detachable connecting means associated therewith, a skate adapted to fit on the rail and skid the first wheels and axle of a passing car and having the counter



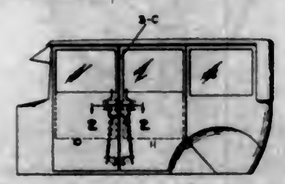
part portion of said slidable non-rotatable detachable connecting means associated therewith, and power operated means for operating said skate placing mechanism to move said skate from one to the other of its active and inactive positions.

1,635,578. WASHING-MACHINE CYLINDER. WINTHROP K. HOWE, Rochester, N. Y., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Original application filed May 4, 1922, Serial No. 558,418. Divided and this application filed Mar. 31, 1926. Serial No. 98,831. 5 Claims. (Cl. 220—55.)



1. In a cover for washing machine cylinders, a pair of reinforcing members having their ends connected by rods, and a curved metallic wall connected to said reinforcing members and rods.

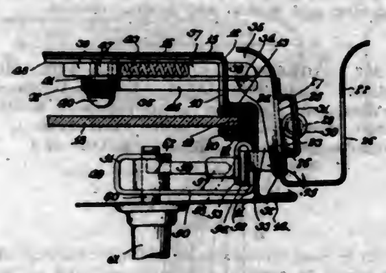
1,635,579. LATCH MECHANISM. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1925. Serial No. 5,423. 16 Claims. (Cl. 292—167.)



1. A door latch mechanism comprising inside and outside latch-operating devices adapted to be mounted on opposite sides of the door with free space between them,

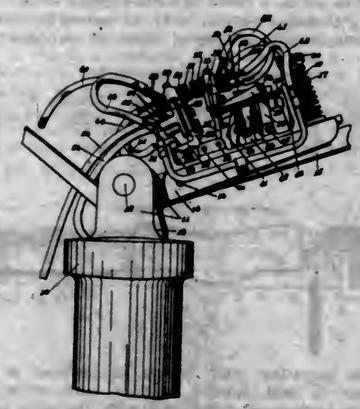
and a reciprocable interlock between said operating devices which circumvents the free space between the operating devices, said interlock comprising two circumventing branches, one on each side of the plane of said free space, one of which is operated always in tension and the other of which is operated always in compression.

1,635,580. LATCH MECHANISM. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1925. Serial No. 69,244. 11 Claims. (Cl. 292—164.)



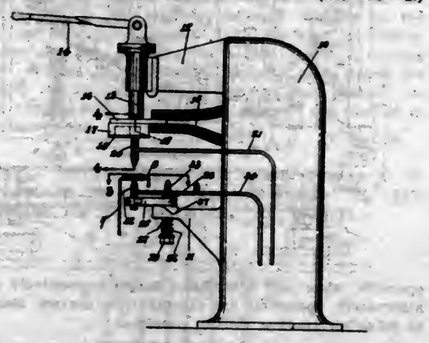
1. A latch mechanism for an automobile door adapted to have an extensible portion of substantially the full width of the body of the door arranged for slidable movement therein with the side edge thereof in close proximity to the jamb face of the door, comprising inside and outside latch operating devices on opposite sides of the projected path of movement of said extensible member, an interlocking device extending from one latch operating device to the other adapted to be carried by the door post, and partaking of movement in the vertical plane in its interlocking function.

1,635,581. ELECTRIC SWITCH. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 18, 1922. Serial No. 530,070. 10 Claims. (Cl. 219—4.)



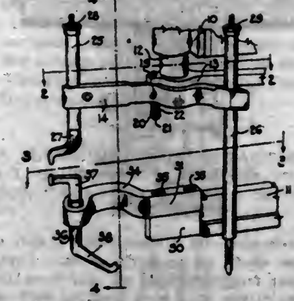
1. An electric switch comprising a plurality of pairs of contact members movable into and out of contact with each other, means for moving said members, and means for continuously circulating a cooling fluid in heat transferring relation to and through said contact members in series.

1,635,582. ELECTRIC WELDING MACHINE. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,680. 9 Claims. (Cl. 219—4.)



8. In an electric welding machine, the combination of a frame, a reciprocable plunger carried by said frame, an electrode carried by said plunger and shiftable laterally independently thereof, a relatively fixed arm carried by said frame, a plurality of electrodes carried by said fixed arm adapted to be selectively brought into cooperative relationship with said first named electrode.

1,635,583. ELECTRIC WELDING APPARATUS. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 15, 1925. Serial No. 50,376. 19 Claims. (Cl. 219—4.)

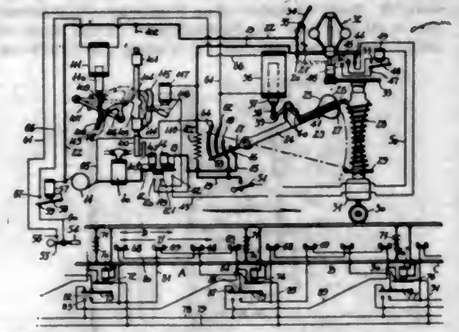


1. In an electric welding machine, in combination, a reciprocable carrier for a plurality of electrodes, a fixed carrier for a plurality of electrodes corresponding to said first mentioned electrodes, and means to effect a cooperative relationship between corresponding reciprocable and fixed electrodes simultaneously with the destruction of a similar relationship between any of the other corresponding electrodes.

1,635,584. RUN-DOWN AND RESET LOCOMOTIVE-CONTROL APPARATUS. MONROE E. MILLER, Washington, D. C., assignor, by mesne assignments, to Union Simplex Train Control Co., Inc., Rochester, N. Y., a Corporation of Delaware. Filed Jan. 15, 1923. Serial No. 612,760. 12 Claims. (Cl. 246—63.)

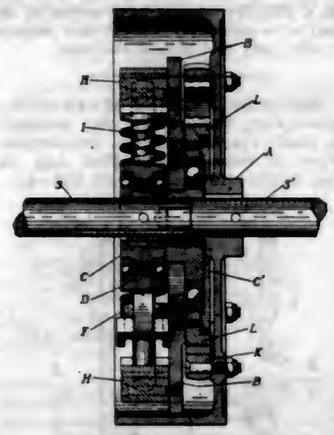
5. Vehicle controlling apparatus including a run-down device on the vehicle operable whenever the vehicle is in motion for obtaining an ultimate vehicle condition, control elements located at intervals along the track, means on the vehicle cooperable with said elements, means controlled by said first-named means when passing successively operative control elements for intermittently resetting the run-down device to maintain another vehicle condition, means controlling said elements and arranged

for rendering alternate control elements operative and others inoperative for one track condition, and means



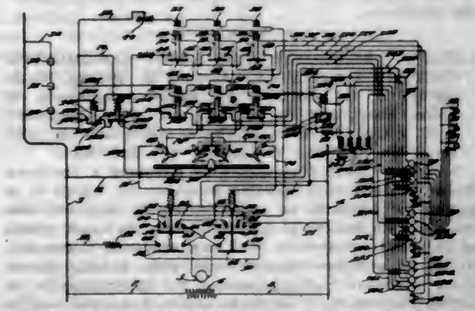
operable, when said first-named means successively passes alternately operative and inoperative control elements, to establish another vehicle condition.

1,635,585. DEVICE FOR TRANSMITTING POWER. JOHN R. ROGERS, Brooklyn, N. Y. Filed Oct. 30, 1920. Serial No. 420,668. 8 Claims. (Cl. 74—35.)



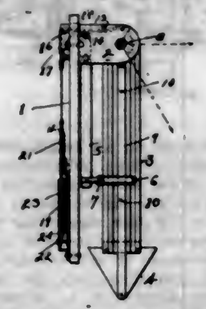
1. In a mechanism for transmitting power, a driving shaft, a driven shaft, an eccentric on said driving shaft, a gyratory gear freely mounted on said eccentric, a gear secured to the driven shaft and meshing with said gyratory gear and yieldable means operatively connecting said gyratory gear with said driving shaft.

1,635,586. SIGNALING SYSTEM FOR ELEVATORS. WILLIAM S. SMITH, Cambridge, Mass. Filed Nov. 23, 1922. Serial No. 602,759. 1 Claim. (Cl. 177—336.)



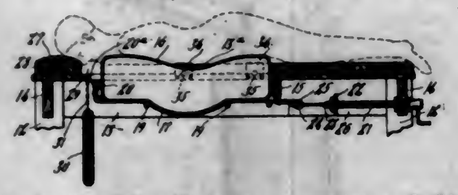
The combination with an electrically controlled elevator system including parallel control circuits and a plurality of stations, of a signal at each station for indicating the destination of the car, a door at each station, a plurality of parallel circuits each of which includes one of said signals, all of said signal circuits being normally open, a magnet operated switch for each of said signal circuits for closing the same, a control circuit for each station including the magnet of the magnet operated switch for the signal corresponding to that station, means for opening the control circuit upon the arrival of the car at the station controlling the car, a means for holding said switch in closed position when moved to this position, a door contact circuit common to said parallel control circuits and to said holding circuit including means operated upon opening of any of said doors for opening said control and holding circuits.

1,635,587. DIRECTION INDICATOR FOR MOTOR TRUCKS AND THE LIKE. JOSEPH D. STASSART, Berkeley, Calif., assignor of one-fourth to William A. Harter, San Francisco, Calif. Filed June 1, 1925. Serial No. 34,118. 5 Claims. (Cl. 116—52.)



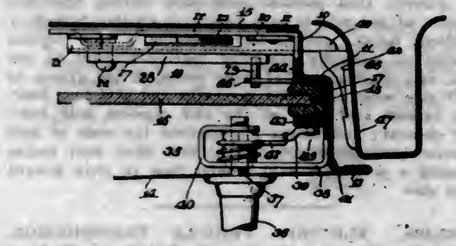
1. A device of the character indicated, having a baseboard, plates spaced apart, fastened at right angle to said baseboard, a corrugated blade swung on a pin or bolt between said plates, an arrow arranged at opposite end of said blade, a strip lengthwise fastened in center of said blade, a metal strip fastened to the inside of one of said plates, extending parallel and adjacent to baseboard, a bracket fastened to lower end of said strip, said bracket also fastened to base board, said bracket having divided forked prongs, a suitable material on said prongs, said bracket to act as a brace and non-rattling means to said blade; a U-shaped piece of metal of desired thickness and size, fastened to said strip in center of corrugated blade.

1,635,588. OPERATING TABLE. GEORGE C. TAPLIN, Boston, Mass. Filed June 26, 1925. Serial No. 39,851. 3 Claims. (Cl. 128—72.)



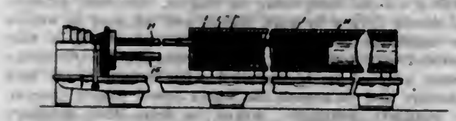
1. An operating table having an opening, a flexible mattress in said opening, and a mattress-supporting structure permanently connected with the table and supporting the mattress in the opening, said structure including spaced apart grid bars extending across the opening, a flexible bottom bearing on the grid bars, an anchoring cross bar fixed to the table and engaged with one end of the bottom, and bottom-tensioning and relaxing means embodied in a manually rotatable screw threaded shaft journalled to rotate without endwise movement in a bearing on the table, a nut engaged with said shaft, and a yoke fixed to the nut and including a cross bar engaged with the opposite end of the bottom, the arrangement being such that rotation of the shaft in one direction tensions the bottom and causes it to support the mattress substantially flat, while rotation of the shaft in the opposite direction relaxes the bottom and permits a portion thereof and a portion of the mattress to sag.

1,635,589. LATCH MECHANISM. JOHN P. TARBOX, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 14, 1925. Serial No. 68,958. 7 Claims. (Cl. 292—173.)



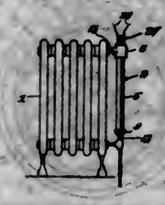
1. In combination with an automobile door of the type adapted to have an extensible member of substantially the full width of the door arranged for slidable movement therein with its side edge in close proximity to the jamb face of the door, inside and outside latch operating device on opposite sides of the projected path of movement of said extensible member, and an interlocking device extending around the side edge of said extensible portion and partaking of a movement in the vertical plane in its interlocking function.

1,635,590. PIPE-PERFORATING MACHINE. BERTRAM C. TRAVIS, Los Angeles, Calif. Filed Aug. 27, 1923. Serial No. 659,497. 8 Claims. (Cl. 77—22.)



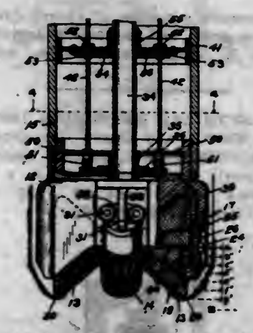
1. In a pipe perforating machine, a body member of cylindrical form, a drill chuck movably mounted in said body member transversely thereof, a drill bit carried by said drill chuck, a rotatable drive shaft and a rotatable feed shaft extended through said body member in parallel relationship to the axis of said body member, gear connections from said drive shaft to said drill chuck for driving the latter and the drill bit, and gear connections from the feed shaft to said drill chuck for moving the latter and said drill bit longitudinally to and from the work.

1,635,591. ELECTRIC HEATER FOR FLUIDS. JOSEPH HENRY VALIQUETTE, Springfield, Mass. Filed Mar. 1, 1926. Serial No. 91,515. 1 Claim. (Cl. 219—38.)



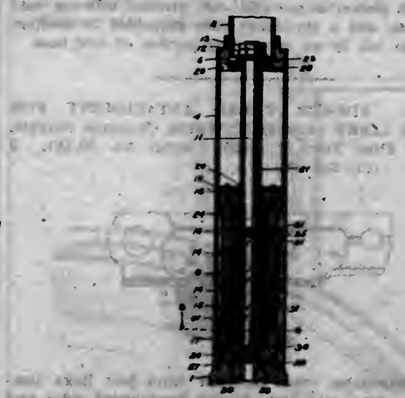
An electric heater for fluids, comprising a header, an elongated main outer casing removably connected at one end with the header, a heater casing mounted at one end in the header and having a closed free end of conoidal form, said header being formed with an opening registering with the heater casing, an insulating body adapted for removable insertion through the opening in the header into the heater casing, said body having a conical end adapted to seat in the conoidal closed end of the heater casing, a cap mounted in said opening in the header and having engagement with the body for removably retaining said body in the heater casing, a heating element carried by the insulating body, and means for centering the heating body in the cap, said conical end on the heating body centering the opposite end thereof in the heater casing.

1,635,592. ROTARY DRILLING TOOL. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Mar. 10, 1921. Serial No. 451,223. 11 Claims. (Cl. 255—71.)



1. In a rotary boring tool, the combination of two sets of mutually complementary cutting members, one of which is provided with a toothed surface adapted to engage and remove material from the entire bottom of the bore hole, and the other one of which traverses and removes material from an annular steeply inclined zone, between the bottom and the side wall of the hole, which zone is traversed by a portion of the toothed surface of said first-mentioned member.

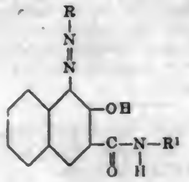
1,635,593. LUBRICATION OF ROTARY MECHANISM. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Oct. 16, 1922. Serial No. 594,791. 22 Claims. (Cl. 255—71.)



1. The method of supplying lubricant to bearings on a train of revolving members which consists in interposing a fluid mass of unguent between the driving and driven elements of the said train and subjecting the said mass to a component part of the driving torque, exerted by the driving elements.

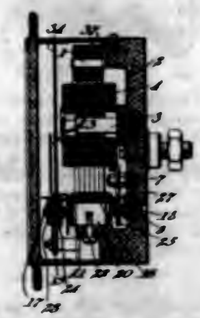
1,635,594. AZO DYE AND PROCESS OF PRODUCING SAME. HERMANN WAGNER, Soden-on-the-Taunus, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 22, 1925, Serial No. 77,098, and in Germany June 11, 1923. 9 Claims. (Cl. 260—83.)

4. As new products, the azo dyes of the following formula:



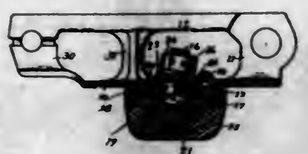
wherein R represents a residue of an azo dye containing at least one azo group and one free hydroxyl group, but no sulfo group, R^1 being an aryl residue, substituted or not.

1,635,595. ELECTRICAL MEASURING INSTRUMENT. EDWARD F. WESTON and GRANT CARPENTER, Newark, N. J., assignors to Weston Electrical Instrument Corporation, Waverly Park, Newark, N. J., a Corporation of New Jersey. Filed June 24, 1925. Serial No. 39,362. 10 Claims. (Cl. 171—95.)



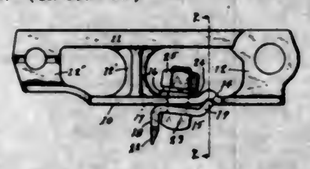
1. In an electrical measuring instrument, a base of insulating material, a permanent magnet having adjacent pole pieces, a movable coil pivoted between said pole pieces, and a stationary core supported in position within the coil by an upstanding portion of said base.

1,635,596. RUBBER TREAD ATTACHMENT FOR TRACK LINKS. ROLLIN H. WHITE, Cleveland Heights, Ohio. Filed Nov. 14, 1925. Serial No. 69,181. 3 Claims. (Cl. 305—10.)



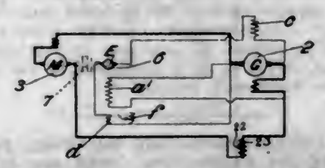
2. A detachable tread unit for track belt links comprising a plate, said plate having downturned sides and an aperture adjacent each side, bolts extending through said apertures with the bases of their heads bearing against said plate, said bolt heads having flat sides bearing against said downturned sides to prevent rotation thereof, and a rubber pad vulcanized to said plate intermediate its downturned sides and over said bolt heads.

1,635,597. GROUTER ATTACHMENT FOR TRACK BELT LINKS. ROLLIN H. WHITE, Cleveland Heights, Ohio. Filed Nov. 14, 1925. Serial No. 69,182. 3 Claims. (Cl. 305—10.)



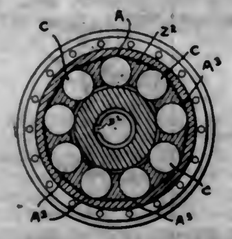
2. The combination of a track link having a transversely grooved shoe portion, said shoe having apertures therein at one side of said groove; a grouter formed of resilient metal, said grouter including a base portion having an upwardly extending bearing element at one end, said bearing element being seated in the groove in said shoe when assembled therewith and said base bearing against said shoe at the end opposite said bearing element; and means intermediate the ends of said grouter base for securing it to said shoe, said means causing a portion of said grouter base to yield toward said shoe.

1,635,598. ELECTRIC VEHICLE TRANSMISSION. HAROLD KENNETH WHITEHORN, Maidstone, England, assignor to Tilling-Stevens Motors Limited, Maidstone, Kent, England. Filed Mar. 29, 1923, Serial No. 628,582, and in Great Britain Mar. 31, 1922. 7 Claims. (Cl. 290—14.)



1. In an electric transmission system of the kind set forth a vehicle comprising an engine, electrical generating means driven by said engine and adapted to absorb the maximum power output thereof and having a field provided with a winding, and an armature, electric motor means adapted to be supplied with current from said armature and to absorb the whole power output thereof, an auxiliary generator, means to drive said auxiliary generator at a speed dependent upon that of the vehicle, means to supply current from said auxiliary generator to said winding, said auxiliary generator being so connected and arranged that it varies the electromotive force of the generator inversely with the torque demand of the motor together with means under the control of the driver to control the power-output of the engine for the purpose of regulating the motor speed.

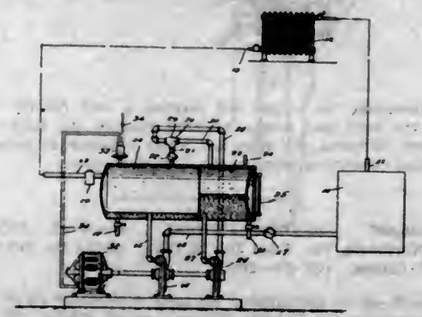
1,635,599. CONTROL ELEMENT FOR CLUTCHES. CIPRIANO ANDRADE, Jr., New York, N. Y. Filed May 25, 1923. Serial No. 641,498. 8 Claims. (Cl. 192—44.)



1. A clutch comprising driving and driven members, a control element and rollers between the driving and

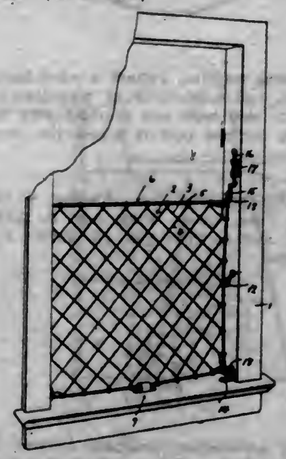
driven members, said rollers being freely movable circumferentially in relation to the driven member, said rollers having a limited circumferential movement in relation to the driving member, the control element having connections with the rollers to compel said rollers to maintain a constant circumferential distance from one another, while permitting said limited circumferential movement of the rollers relative to the driving member, the connections of said control member between the radially intermediate side surfaces of said rollers having a thickness considerably less than the diameter of the rollers, said driving member being provided with arcs permitting the rollers to clutch in either a forward or reverse movement of the driving member.

1,635,600. VACUUM RETURN BOILER FEED. LOUIS K. ASCHER, Indianapolis, Ind., assignor, by mesne assignments, to The Humidity Control Company, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 12, 1920. Serial No. 373,177. 5 Claims. (Cl. 103—6.)



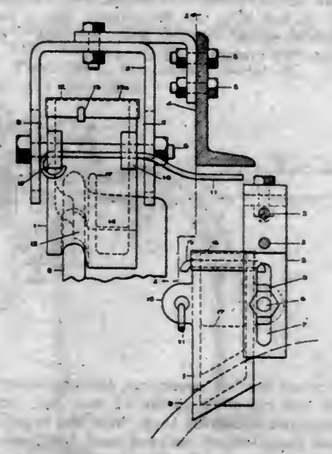
1. A vacuum producer, comprising a vacuum tank for connection to a device in which the vacuum is to be produced, an injector having a suction connection to the vacuum tank to produce and maintain a vacuum in the latter, a pump for forcing water through said injector, and a vacuum-responsive device responsive to the vacuum in said vacuum tank for controlling the operation of said pump.

1,635,601. WINDOW GUARD. FERDINAND BENCA, Chicago, Ill. Filed Nov. 18, 1926. Serial No. 149,177. 3 Claims. (Cl. 20—71.)



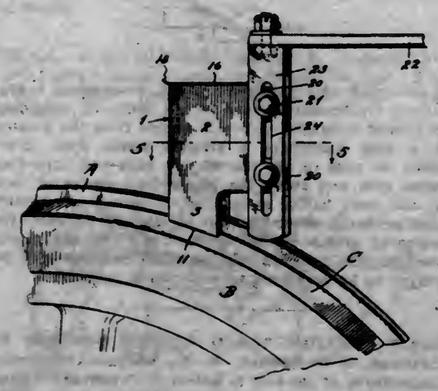
1. In a structure of the class described, a rope net work including marginal rings, a marginal retaining rope upon which said rings are slidably mounted, a special fixture adapted to be secured upon the window frame, said fixture including a casing having end openings, the ends of said marginal rope being disconnected and passing through said opening into the interior of the casing and being tied together, and additional means for removably connecting said marginal rope with a window frame.

1,635,602. LUBRICATOR. ROBERT L. BLACK, Roanoke, Va. Filed Feb. 9, 1925. Serial No. 7,881. 9 Claims. (Cl. 184—3.)



1. The combination of a wheel having a flanged tread, a lubricator comprising a stationary guide bracket, a reservoir member mounted for vertical and lateral sliding movement within the guide and resting on and supported by the flange of said wheel, said reservoir member having limited rocking movement in the plane of the wheel, means carried by said reservoir member for limiting its rocking movement, and lubricating means within the reservoir.

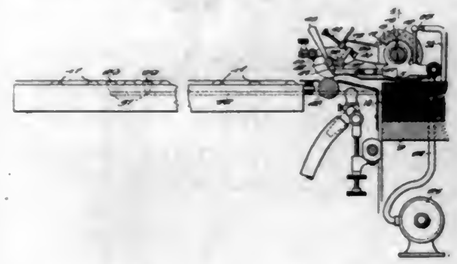
1,635,603. LUBRICATOR. ROBERT L. BLACK, Roanoke, Va. Filed May 24, 1926. Serial No. 111,321. 6 Claims. (Cl. 184—3.)



1. In a wheel flange lubricator, a rigid supporting arm, a depending inverted U-shaped bracket carried by said arm and having its opposite sides formed with elongated

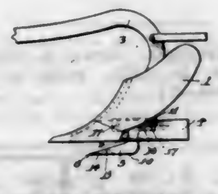
slots, a reservoir member containing lubricant and absorbent material and resting upon the flange to be lubricated, and transverse elements carried by the reservoir member and extending through said slots to permit vertical movement of the reservoir member with respect to the flange, the reservoir member having a width less than the space within the bracket to permit lateral movement of the reservoir member.

1,635,604. SHEET-FEED-CONTROL APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a Corporation of Pennsylvania. Filed Nov. 3, 1924. Serial No. 747,564. 12 Claims. (Cl. 271—56.)



1. In sheet feeding apparatus, the combination with a conveyor for receiving sheets at one end, transporting the sheets and delivering them from the opposite end, of a suction head located between said ends and traversed by the sheets carried by the conveyor, and means for creating suction through the head to cause the sheets to adhere thereto and be held from movement by the conveyor.

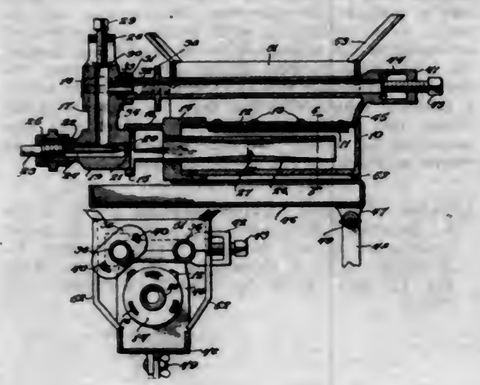
1,635,605. PLOW ATTACHMENT. WILLIAM H. CHANCEY, Grand Saline, Tex., assignor of one-half to W. H. Roberson, Grand Saline, Tex. Filed June 22, 1925. Serial No. 38,761. 1 Claim. (Cl. 97—79.)



A sub-soiler attachment for plows, comprising a substantially triangularly shaped foot, a vertically extending neck formed integrally therewith remote from the pointed end, a head comprising a straight beam, fixed intermediate its ends to the top of said neck and extending parallel with and above the longitudinal center of said foot, said head having a longitudinal extending laterally projecting flange along the top of one side thereof, for engagement over a rudder beam of a plow, and means formed in said head whereby securing elements may be employed to fix said head to said rudder beam.

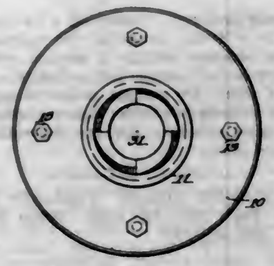
1,635,606. WELDING-TORCH BURNER. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor, by mesne assignments, of one-half to Robert C. Carter and George S. Jamison, Glens Falls, N. Y. Filed Oct. 16, 1923, Serial No. 668,833. Renewed May 25, 1927. 4 Claims. (Cl. 158—32.)

3. A burner including a mixing chamber, a fuel valve controlling flow of fuel into said chamber, and provided with a socket, a gas generating tube fitting in said socket, a nipple fixed to the valve to project within said socket and fitting in the adjacent end of said tube, a packing



surrounding the nipple and forming a seat for the end of the tube, and means coacting between the tube and valve clamping the tube and valve together to form a sealed connection between the tube and valve.

1,635,607. GRINDING WHEEL. ELROY A. CHASE, Northfield, Vt. Filed July 2, 1923. Serial No. 648,870. 7 Claims. (Cl. 51—209.)



1. In a grinding machine, a shaft, a wheel head rigidly secured thereto, and a plurality of concentric grinding rings secured to said head and provided with upwardly and rearwardly inclined pockets across the inner faces of said rings.

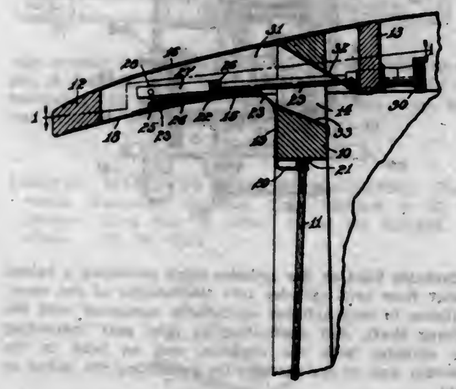
1,635,608. AWNING. MANUEL BRETOS Y CLAVERIA, Santiago de Cuba, Cuba. Filed Apr. 5, 1924, Serial No. 704,435, and in Cuba Feb. 28, 1924. 6 Claims. (Cl. 242—109.)



1. An operating means for awnings and the like, comprising, a standard, a shaft fixed in the standard, a drum rotatably mounted on the shaft, a reel rotatably

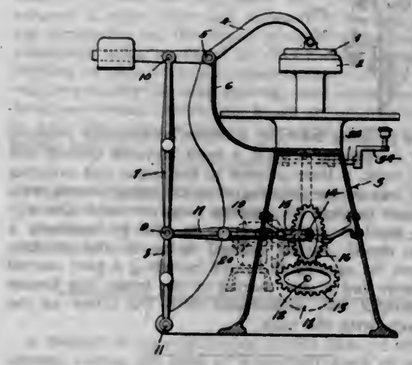
carried by the drum, matching notches on the drum and reel, a detent receivable in the notches to fix the reel to the drum, and a spiral spring housed in the drum, one end of the spring being fixed to the shaft and the other end to the drum.

1,635,609. CLOSED-BODY VENTILATOR. JAMES M. CRAWFORD, Auburn, Ind., assignor to Auburn Automobile Company, Auburn, Ind., a Corporation of Indiana. Filed Sept. 11, 1924. Serial No. 737,070. 3 Claims. (Cl. 296—94.)



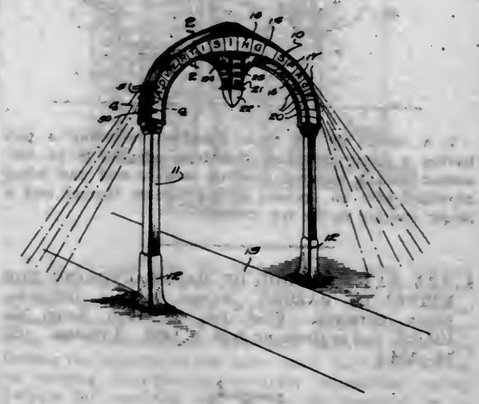
1. In an automobile body, the combination of the front wall, the canopy frame, a canopy sheet covering for said canopy frame forward of the front wall and perforated in its under portion adjacent the front wall, and having a depending portion facing the upper portion of the front wall and forming a seat for the glass of said front wall, and an adjustable valve arranged to co-operate with said perforation.

1,635,610. PRESSING-MACHINE MECHANISM. ERNEST DAVIS, Chicago, Ill., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,822. 2 Claims. (Cl. 68—9.)



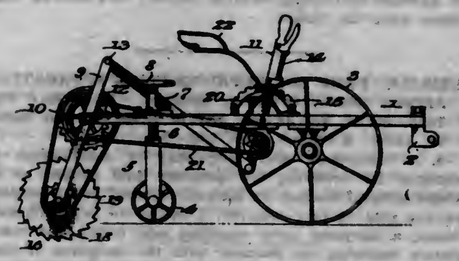
1. In a pressing machine, cooperating pressing elements, one movable toward and from the other, and means for actuating the movable element, comprising a shaft, having a crank and a connecting rod mounted on the crank, the connecting rod and crank being arranged substantially in radial alinement when the press is open and when the press is closed, an intermittently rotatable drive shaft, an elliptical gear mounted on the crank shaft with its major axis at an angle to the radius of the crank, an elliptical gear mounted on the drive shaft and meshing with the former elliptical gear, the gears being normally arranged with the minor diameter of the gear on the drive shaft in line with the major diameter of the gear on the crank shaft, and means for causing the driving shaft to intermittently make half revolutions.

1,635,611. HIGHWAY LIGHTING SYSTEM AND APPARATUS THEREFOR. RAOUL DE LA LAMA, Mexico, Mexico. Filed Sept. 22, 1926. Serial No. 137,130. 9 Claims. (Cl. 240—25.)



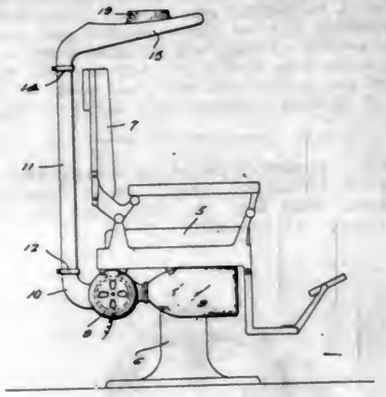
1. Apparatus of the character described comprising a casing adapted to be arranged above a highway transversely thereof, light transmitting media arranged at the sides of said casing, light transmitting media arranged at the end portions of said casing substantially above the edges of the highway to transmit light outwardly thereof substantially at right angles thereto, and a plurality of lighting units arranged in said casing, the majority of said units being arranged above a line through the centers of said first named light transmitting media.

1,635,612. AGRICULTURAL MACHINE. ARTHUR DICK and JACOB AUGUST DIRSCHAUER, Evansville, Ind. Filed June 1, 1926. Serial No. 112,906. 3 Claims. (Cl. 97—212.)



1. In an agricultural machine, a gang of soil treating disks having serrated or sawtooth peripheries having a common axis of revolution and arranged in pairs which converge in each instance.

1,635,613. BARBER'S VACUUM HAIR RECEIVER. WALTER ELLERHORST, Cincinnati, Ohio. Filed Sept. 4, 1926. Serial No. 133,672. 3 Claims. (Cl. 132—9.)



1. A device of the class described including a pan having a spout extending therefrom adapted to be connected with a vacuum creating means, said pan being provided with an opening in the bottom thereof and a larger opening in the top thereof.

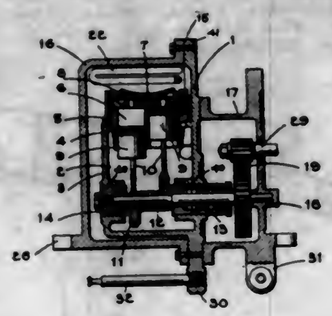
1,635,614. METHOD OF MANUFACTURING THE KNIVES OF RAZORS. ERNST GERLING, Ohligs-Solingen, Germany. Filed July 30, 1926, Serial No. 126,025, and in Germany Sept. 5, 1925. 4 Claims. (Cl. 76—104.)



1. A method of manufacturing razor knives, consisting in: manufacturing the blades proper separately out of a continuous steel ribbon of conical or triangular cross section with double concave sides, in which the blades are arranged lengthwise the one after the other; and manufacturing the metallic stems of the blades out of another continuous metallic ribbon; and uniting the stems with the blades.

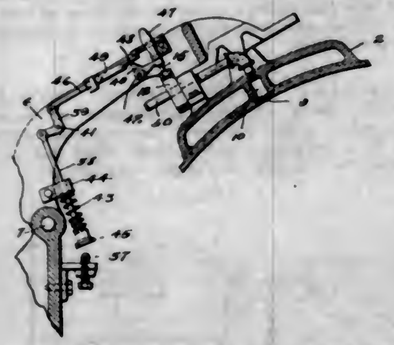
1,635,615. PUMP FOR REFRIGERATING APPARATUS. ARTHUR GREEN, Coventry, England. Filed May 26, 1925, Serial No. 33,027, and in Great Britain Sept. 22, 1924. 2 Claims. (Cl. 230—6.)

1. A compressor unit comprising in combination a chamber for receiving low pressure fluid formed as a single integral casting, an integral external flange formed on one side of said chamber, a facing on said external flange, a one-piece cover engaging said facing and completely enclosing the chamber with the exception of one wall thereof, said one external wall forming together with the flange a disc like plate, said chamber having a pair of minor openings extending through opposite walls thereof, bearings in said through openings which are each capable of being placed in position from the exterior of the chamber, one of said bearings being disposed in the external wall and incorporating a stuffing box, the other of said bearings being disposed in an internal wall, a driving shaft mounted in said bearings and projecting externally of the chamber by way of the stuffing box, a cylinder block detachably mounted in a major opening in an internal wall of the chamber, a



detachable head on the cylinder block providing a valved outlet from each cylinder into the interior of the cover, a piston in each cylinder operatively connected with the driving shaft, and controlling an inlet port connecting the cylinder with the chamber, and an inlet in the external wall of the chamber for permitting the inflow of fluid.

1,635,616. PRESSING MACHINE. WILLIAM F. HAACKE, Chicago, Ill., assignor to The Prosperity Company Inc., Syracuse, N. Y., a Corporation of New York. Filed Oct. 13, 1925. Serial No. 62,249. 5 Claims. (Cl. 68—9.)

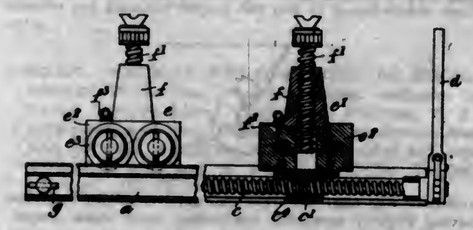


1. In a pressing machine, a frame, cooperating pressing elements comprising a buck, a head movable toward and from the buck, a lever pivoted to the frame and carrying the head, one of the pressing elements being formed with perforations through its pressing face, a conduit for supplying a medium under pressure to said perforations, a normally closed, spring pressed valve in the conduit, and means for opening the valve including a part carried by the lever and a part carried by the frame, the former being movable into engagement with the latter as the head coacts with the buck.

1,635,617. RAISING AND TRAVERSING GEAR. THOMAS HALL, Middlesbrough, England. Filed July 27, 1926, Serial No. 125,250, and in Great Britain July 25, 1925. 5 Claims. (Cl. 254—85.)

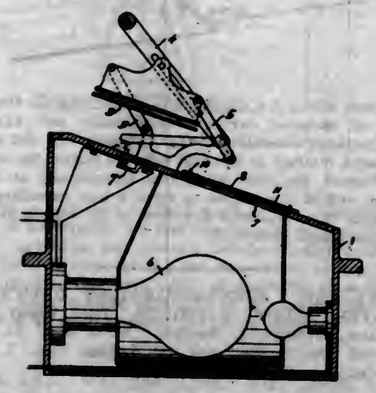
1. Raising and lowering gear comprising in combination a trackway, a carriage movable along the trackway and

freely liftable bodily off the same, a jack on the carriage, a threaded shaft mounted longitudinally in the trackway, a nut adapted to travel on said shaft, and a



cage secured to the base of the carriage and wherein the nut is disposed when said carriage is in place on the trackway, but which is withdrawn directly from said nut when the carriage is lifted.

1,635,618. MASK FOR PRINTING MACHINES. FREDERICK HAMMOND, Houston, Tex., assignor to H. F. Cohen. Filed May 6, 1924. Serial No. 711,495. 1 Claim. (Cl. 95—79.)

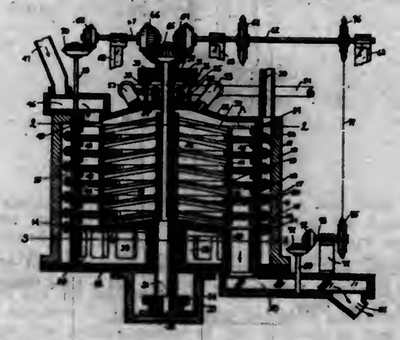


The combination with a printing machine having a printing table formed with a transparent portion, said machine also being provided with hooks, of a mask adapted to rest on said table and having an opening adapted to align with said transparent portion, upstanding abutments on the upper surface of the mask, said abutments being arranged in substantially right angular relation to each other and spaced from one side and one end respectively of said opening, said mask having perforations through which said hooks are adapted to engage to hold the mask in proper alignment with said transparent portion.

1,635,619. METHOD OF MANUFACTURING CLOTHES PEGS OF WIRE. WILHELM HAFFEL, Oppenheim, Germany. Filed Oct. 30, 1926, Serial No. 145,283, and in Germany Nov. 17, 1925. 1 Claim. (Cl. 140—83.)

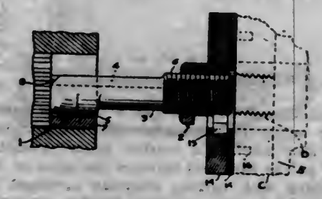
A method of manufacturing clothes pegs of wire, comprising rolling the ends of a straight piece of wire into eyes turned in opposite direction, bending said wire at right angles to form two straight arms, in bending the outer end portion of one of said arms outwardly at an obtuse angle, bending the outer end portion of the straight arm to form an arm parallel to the web, bending said parallel arm toward said web and slightly out of the plane in which said web is situated, winding said web to form two spirals so that the bends at which the arms begin touch one another, and bending said straight arm at half its length in U-shape over the bend at which the other arm begins, so that said eyes form the handles of the clothes peg which are to be compressed to open the clothes peg.

1,635,620. APPARATUS FOR EXTRACTING GAS. EMANUEL W. HARTMAN, Miami, Fla. Filed June 16, 1921. Serial No. 478,140. 2 Claims. (Cl. 202—14.)



1. In an apparatus for extracting gas from bitumen containing material, a retort having a series of parallel annular shelves vertically arranged to form a vertical passage through the center of said retort, said passage being in communication with said shelves, means for feeding the material to the upper shelf, each shelf having an opening therethrough, conveyor mechanism having pockets for receiving and moving the material to be treated, along each shelf to the opening therein and means for heating said retort, the gas extracted from the material escaping from the shelves into said vertical passage.

1,635,621. MEANS FOR CUTTING SCREW THREADS IN CHANNELED MATERIAL. THADDEUS L. E. HAUG, Berkeley, Calif. Filed July 5, 1922. Serial No. 572,761. 2 Claims. (Cl. 10—107.)

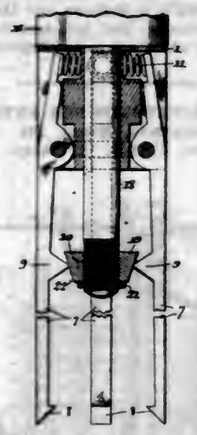


1. Means for forming screw threads upon axially channeled stock, which means comprises thread forming apparatus and a work holder surrounding the stock, said work holder having an internally projecting lug or finger to engage the channel of said stock and an external surface adapted to engage with the thread forming apparatus, to prevent lateral movement of the stock during the thread forming operation.

1,635,622. FISHING TOOL. RALPH IRWIN HENDERSON, Charleston, W. Va. Filed Sept. 24, 1926. Serial No. 137,547. 2 Claims. (Cl. 294—106.)

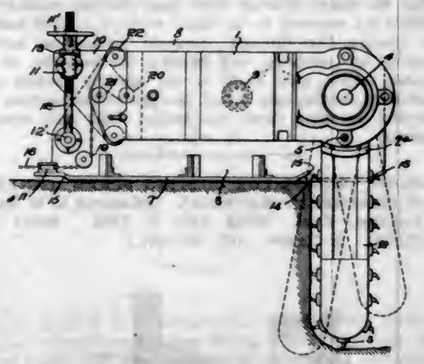
1. In a device of the class described, a body, spring-closed grips carried by the body, a plunger slidable in the

body and provided with mechanism for opening the grips when the plunger moves downwardly independently of



the body, and means for retarding the movement of the body to permit the plunger to move for a time independently of the body.

1,635,623. MINING APPARATUS. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, Claremont, N. H., a Corporation of Massachusetts. Filed Dec. 16, 1915, Serial No. 67,097. Renewed Feb. 10, 1925. 114 Claims. (Cl. 262—28.)



1. A mining machine having a portable base and an angularly adjustable elongated cutter bar mounted for swinging movement in a vertical plane extending longitudinally of the base and between the sides of the latter and provided with cutting elements arranged to cut a kerf to admit said bar, and means to increase the cutting range of said machine in the plane of swinging movement of said cutter bar comprising an adjustable pivotal mounting for said machine on its base.

1,635,624. WRITING IMPLEMENT. OTTO IMSET, Oslo, Norway. Filed June 26, 1925. Serial No. 39,804. 13 Claims. (Cl. 120—43.)

1. As an article of manufacture, a shiftable writing implement consisting of a separate and thin plate having a central hole adapted to fit releasably to a combined holder and writing fluid supplier and to feed writing fluid to the plate underside and circumferential edge.

12. A writing implement, consisting of a springy bow having nearly parallel branches spaced slightly apart by the spring action and forming between them a narrow space for feeding writing fluid to the branch ends an upwardly converging plate with a continuous edge and a central hole for feeding writing fluid to its



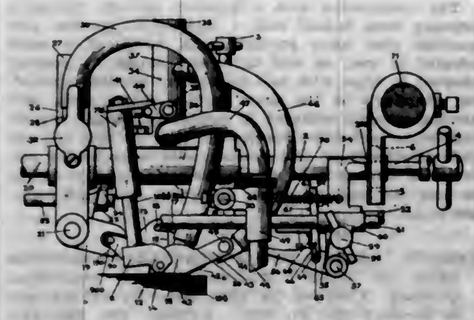
underside and edge the lower end portions of the branches having slightly upwardly converging outer sides cooperating with the central hole of the plate for the purpose of clamping fast said plate to the branches.

1,635,625. STUB HOLDER FOR CHECK BOOKS. FORD JOHNSON, Helena, Mont. Filed Aug. 31, 1926. Serial No. 132,787. 1 Claim. (Cl. 281—42.)



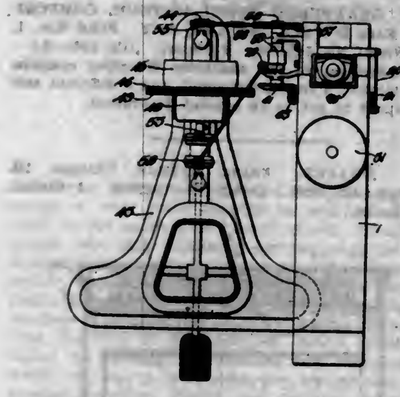
A stub holder for check books comprising an elongated strip of material curved longitudinally and having a longitudinally extending tongue cut from one end portion in spaced relation to the said end and facing the opposite end thereof, the strip being bent transversely at the attached end of the tongue to form a foot extending from the strip in an opposite direction to the tongue and in a common plane therewith.

1,635,626. SHEET-SEPARATING DEVICE FOR PAPER-FEEDING MACHINES. ERIC HARRY LILJEBLADH, Gottenborg, Sweden. Filed Jan. 21, 1926, Serial No. 82,806, and in Sweden Dec. 7, 1925. 9 Claims. (Cl. 271—26.)



1. A sheet separating apparatus in paper feeding machines for the seizing of single sheets from a paper pile comprising a main body, an up and down movable suction foot, forwardly inclined guides for said suction foot attached to said main body, said suction foot provided with an angular broken operative face, the front portion of which is substantially parallel to the feeding direction and the rear portion directed upwardly and continued by rearwardly projecting lugs, and means to move the suction foot straightlined up and down, said main body also provided with a distributor for compressed air, connected with an air compressor, and with pairs of nozzles, one pair of which is pivotally mounted on the suction foot at the rear side thereof and the other pair of said nozzles mounted so far abaft said suction foot, that the nozzles are disposed behind the pile of paper under operation.

1,635,627. MACHINE FOR OPERATING ON SHOES. STANLEY P. LOVELL, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Aug. 29, 1923, Serial No. 659,922. Divided and this application filed Apr. 4, 1924. Serial No. 704,206. 8 Claims. (Cl. 12—1.)

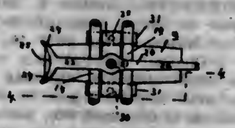


1. The combination with a machine for operating on shoes, of mechanism for treating shoe parts preparatory to said operation, and devices associated with said machine for delivering at a point convenient to the hand of the operator for each cycle of operation of said machine a single treated shoe part to be used by the operator on a subsequent operation of the machine.

1,635,628. DYE SOLUTION. KARL LÜTTIN, Basel, Switzerland, assignor to The Society T. R. Geigy A. G., Basel, Switzerland, a Corporation of Switzerland. Original application filed June 26, 1922, Serial No. 571,098, and in Germany July 29, 1921. Divided and this application filed June 8, 1923, Serial No. 644,244. 4 Claims. (Cl. 8—6.)

1. As a new article of manufacture, a new dye solution having a content of about 10 to 20 per cent of glycolic acid and containing at least one dyestuff, which needs no subsequent oxidation after the application of the dye solution to dyeing, printing, painting or the like purposes.

1,635,629. LINE DISTRIBUTOR FOR FISHING REELS. HENRY W. MARCY, Utica, N. Y. Filed Nov. 20, 1925. Serial No. 70,263. 1 Claim. (Cl. 242—84.4.)



In combination a fishing reel having a base plate, spaced side plates and two lower spaced bracing spindles connecting the side plates and the base plate and a line distributor attachably and detachably connected to said reel and consisting of a block between said spindles and extending beyond the sides of said base plate, clips detachably secured to the extended ends of said blocks and engaging the lower side of said spindles and a lever pivoted intermediate its ends on the upper side of said block with its rear end adapted to be manually swung laterally of the reel and with its front end extending up in front of the reel and provided with an eye for guiding the line.

1,635,630. SIGNAL DEVICE FOR MOTOR CARS AND THE LIKE. DOUGLAS MCWILLIAM, Dunedin Otago, New Zealand. Filed Apr. 24, 1925. Serial No. 25,656. 1 Claim. (Cl. 177—329.)



A signal, a signal operator comprising a base plate having an aperture and having circuit controlling elements, a grooved semi-circular member mounted to turn on the said base plate and provided with a locking recess in its bottom surface, a flexible connection between said signal and the said member, a locking element seated in said aperture in the base plate having a projection to engage the locking recess of the member to lock the member in a predetermined position, the bottom of the member serving through contact with the locking element to hold the latter in inoperative locking relation in all other positions of the member, a push-button on said base member to disengage the locking element from said member, said locking element directly cooperating with one of the circuit controlling elements to move the latter to a position in which the circuit is open while the locking member is in engagement with the bottom surface of the grooved semi-circular member and to permit said circuit controlling element to move to circuit making position when the locking element is moved into the recess of the member, and means to turn the member to operate the signal.

1,635,631. VANITY CASE. ARTHUR H. NOBLE, Pawtucket, R. I., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Filed Dec. 10, 1926. Serial No. 153,816. 3 Claims. (Cl. 132—83.)

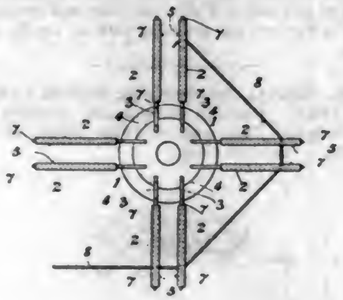


2. In a loose powder container, having a powder compartment encompassed by a shouldered ledge, a cover for the compartment having a felt pad, a ring seated on the ledge and against the shoulder and forming a seat for the pad, and a flange depending from the inner circumference of the ring and spaced from the adjacent side of the compartment to form a trap.

1,635,632. APPARATUS FOR PRODUCING KNOTTED PILE FABRICS. FRANCIS HERBERT OLDROYD, Radcliffe, England. Filed May 5, 1927, Serial No. 189,065, and in Great Britain Oct. 20, 1925. 5 Claims. (Cl. 139—4.)

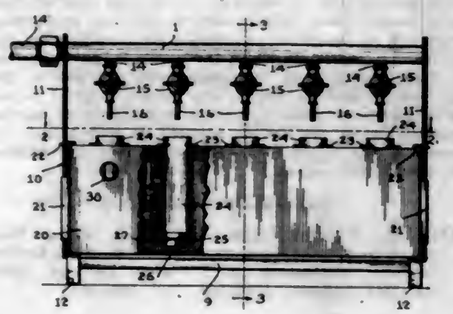
1. In apparatus for producing knotted pile fabrics a measuring means comprising a movable member provided with pairs of holding devices spaced distances apart sub-

stantially equal to the required length of the tuft piece, each device of each pair being spaced a distance from the other device of the pair, so arranged that on move-



ment of the said member a continuous length of yarn passes successively into each holding device and is gripped thereby both before and after separation of the yarn between the holding devices of each pair.

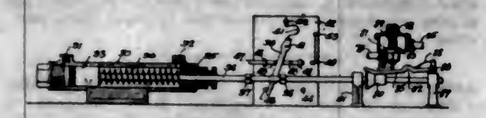
1,635,633. WASHING APPARATUS FOR LABORATORIES. JOHN B. PARKER, Washington, D. C. Filed Apr. 13, 1926. Serial No. 101,785. 9 Claims. (Cl. 141—1.)



1. A tube having inlet and outlet openings of substantially the same cross sectional area, a strainer for the outlet opening, and means having a downwardly directed leg portion for removably securing the strainer exteriorly on the tube.

1,635,634. LIQUID-FUEL BURNER. JOSEPH J. H. POHL, Haddon Heights, N. J., assignor, by direct and mesne assignments, to The Phoenix Burner Corporation, Camden, N. J., a Corporation of Delaware. Filed Nov. 23, 1923. Serial No. 676,553. 4 Claims. (Cl. 158—28.)

1. In a liquid fuel burner, the combination with a combustion chamber, of a pump for forcing liquid fuel into said chamber, means for actuating the pump, a blower for creating a draft of air through the combustion chamber, motor means for operating the blower, a cylinder connected with the pump, a piston adapted to be advanced in the cylinder by pressure developed by the pump, control means for the blower motor operatively connected with the piston and adapted when the piston advances in the cylinder to actuate the motor, a gas line comprising a nozzle adapted to project a flame into the combustion chamber, and a valve adapted when seated to permit a limited amount of gas to pass to the nozzle for a pilot light, said valve being operatively connected

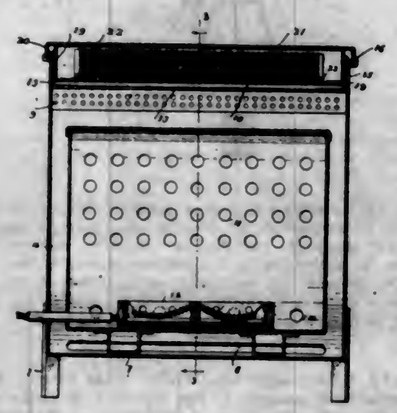


with the said piston whereby when the piston advances in the cylinder the valve is opened to permit a full flow of gas to the nozzle.

1,635,635. DENATURED ETHYL-ALCOHOL COMPOSITION. EARL B. PUTT, New York, N. Y. Filed Nov. 1, 1926. Serial No. 145,704. 4 Claims. (Cl. 195—6.)

1. A composition of the character described comprising ethyl alcohol, a terpin compound, and a different substance adapted to act as an alcohol denaturant.

1,635,636. HEATER. FRANK RAYMAN, Chicago, Ill. Filed Apr. 22, 1926. Serial No. 103,963. 4 Claims. (Cl. 219—38.)

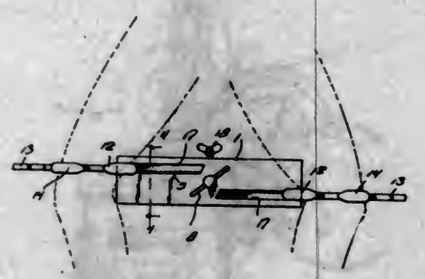


1. A device of the character specified, comprising similar spaced inner and outer shells, the inner shell terminating short of the top of the outer shell to leave a space thereabove in communication with the space formed between the two shells, there being openings in the lower portion of the two shells for the ingress of cool air and openings in the upper portion for egress of the warm air, a heater within the lower portion of the inner shell, a baffle within the upper portion of the outer shell and comprising upwardly and outwardly inclined portions, and a humidifier within the upper portion of the outer shell, spaced from the baffle and conforming thereto.

1,635,637. PROCESS OF PRODUCING WHITE PULP OF HIGH STRENGTH. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed July 11, 1925. Serial No. 42,977. 9 Claims. (Cl. 92—11.)

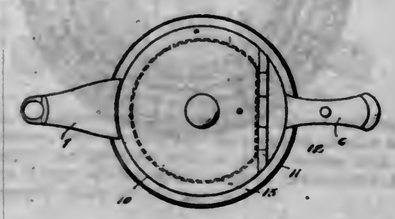
1. A process which comprises digesting raw cellulosic material in an acid sulphite liquor in which the free SO_2 is not in excess of combined SO_2, washing the resulting pulp substantially free from its digesting liquor, treating said washed pulp with a solution containing chlorine, washing said chlorine-treated pulp, and digesting said washed and treated pulp at an elevated temperature in an alkaline solution.

1,635,638. LEG HOLDER. CHESTER ROGERS, Goin, Tenn. Filed Mar. 23, 1927. Serial No. 177,667. 1 Claim. (Cl. 128—303.)



A device of the class described, comprising a U-shaped casing, a cover plate mounted on said casing and provided on the inside with a longitudinally extending guide tongue, said guide tongue cooperating with the casing to form guideways therein, a pair of leg holding members slidably mounted in the guideways in said casing, rack members formed on the inner ends of said leg holding members in opposed relation, an operating pinion engaged with the rack of said members, means carried by the casing for holding and rotating said operating pinion, means carried by the casing for locking said members against movement therein, and relatively adjustable leg engaging elements carried by said leg holding members.

1,635,639. TEAPOT CONSTRUCTION. ALBERT F. SAUNDERS, Syracuse, N. Y., assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y., a Corporation of New York. Filed Jan. 27, 1926. Serial No. 83,992. 1 Claim. (Cl. 53—3.)



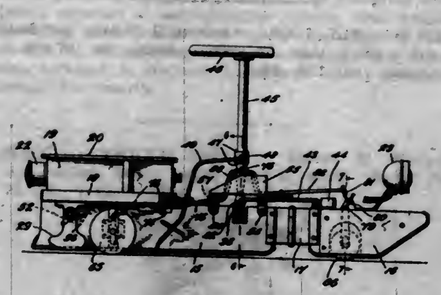
A tea pot and the like comprising an inner receptacle and an outer shell, each comprising side walls and a bottom, the side walls and the bottom of the inner receptacle being spaced apart from the side walls and the bottom of the outer shell providing a heat insulating space, a spout mounted on the shell and an inner spout leading from the receptacle through the wall of the outer shell into the former spout, a handle carried by the outer shell, the inner shell being formed at its upper end with an outwardly and downwardly turned flange overlying the edge and upper margin of the outer shell and forming a reinforcing band therefor.

1,635,640. TOOL FOR SEPARATING ADHERING SHEETS. WILLIAM T. SCOTT, Youngstown, Ohio. Filed June 26, 1926. Serial No. 118,706. 12 Claims. (Cl. 29—17.)



9. In a tool of the class described, the combination of a fluid actuated hammer having a grip at one end and a socket at the other, a shaft adapted to enter the socket and having a peripheral groove in its surface, a removable collar engaging said groove and clamped about the shaft and yielding means for holding said shaft seated in said socket and comprising a pair of rods extending from said collar on opposite sides of the shaft toward the grip, a coil spring surrounding each rod, means for connecting the end of each rod to that end of the adjacent spring remote from the collar, another pair of rods respectively extending through the springs and projecting therebeyond in the direction of the grip, means for securing the end of each of said rods to that end of the adjacent spring which is remote from the grip, and means connecting the other ends of each of said rods respectively with the grip to thereby maintain said springs under compression.

1,635,641. COASTER SLED. JACOB H. SMITH, Marion, Ohio. Filed Mar. 19, 1926. Serial No. 95,917. 8 Claims. (Cl. 208—158.)



1. In a coaster sled, a single central runner provided with a pivoted steering section at one end thereof; an arm pivoted to said runner; ground engaging rods at either side of said runner, pivoted to said arm; and means carried by said runner for guiding said rods.

1,635,642. SAFETY RAZOR. CHARLES L. SKELLEY, New York, N. Y. Filed July 3, 1925. Serial No. 41,370. 18 Claims. (Cl. 30—12.)



1. A safety razor comprising a handle, a blade mounted thereon to move from a hoe-like position to one substantially radial of the handle, a guard, and means to

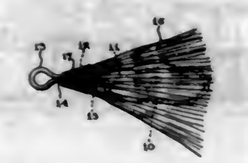
hold the guard protectively or non-protectively associated with the blade in either of said positions, whereby the blade may be used for shaving or may be stropped as desired.

1,635,643. CAMP COOKSTOVE. ALEXANDER C. SLADKY and JOSEPH SLADKY, Milwaukee, Wis., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Filed Mar. 14, 1927. Serial No. 175,124. 7 Claims. (Cl. 126—38.)



1. In a camp stove, the combination of a burner structure provided with a mixing tube, a fuel tank having a projecting generator tube provided with a flange for abutting engagement with said mixing tube, a hooked portion adjacent said mixing tube for hooking over said flange, and means for supporting the lower portion of said flange, whereby the weight of the fuel tank causes the flange to tightly abut against said mixing tube.

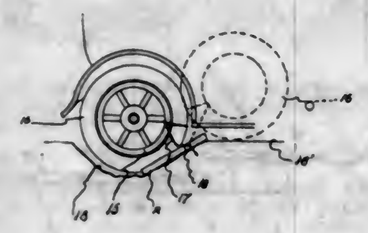
1,635,644. FLY HOOK. AMBROSE G. SLOAN, Fort Smith, Ark. Filed Mar. 27, 1926. Serial No. 97,926. 1 Claims. (Cl. 126—38.)



A fly hook having a straight shank semi-circular in cross section and bent at its rear end to form an eye, the material of the eye then extending parallel to the shank and being semi-circular in cross section to fit snugly against the same and being laterally bent at its end to form a barb, the barb being thin and tapering to a fine point, the hook being offset from the shank in the direction of said barb so as to bring the bill of the hook approximately in line with the shank, fly material disposed around the shank, and a wrapping extending around the fly material and the shank over each face of the barb and held from longitudinal movement by said barb.

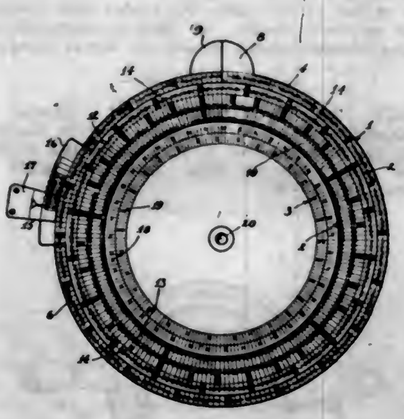
1,635,645. MUD PULLER FOR AUTOMOBILES. GUY W. SMITH, Detroit, Mich. Filed Aug. 10, 1925. Serial No. 49,257. 7 Claims. (Cl. 180—7.)

1. A device of the class described comprising a pair of parallel extending angle irons in spaced relation to each other, each provided on its upper edge adjacent the forward end thereof with a rearwardly inclined slot; a cross member for connecting said angle irons adjacent the forward end thereof, said cross member extending



upwardly from the lower surface of said angle irons; and means engageable detachably at its opposite ends in said slots for attaching said device to a vehicle wheel with which used.

1,635,646. SLOPE-STAKE CALCULATOR. WENDELIN D. STARRETT, Oakland, Calif. Filed July 23, 1923. Serial No. 653,213. 6 Claims. (Cl. 235—85.)

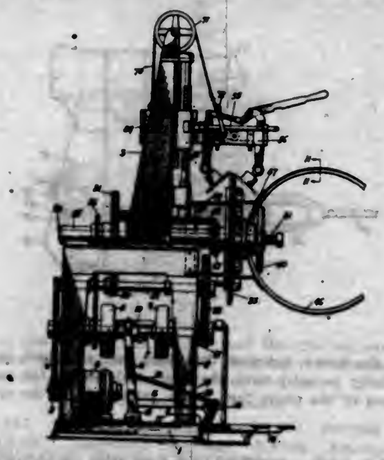


1. In a calculator of the character described, a dial, and two discs presenting superimposed scales in adjacent relation to the dial, the two discs being interrelated to allow either of the scales to be brought into view for reading with the dial.

1,635,647. MACHINE FOR COVERING TIRE BEADS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 26, 1924. Serial No. 686,587. 18 Claims. (Cl. 154—9.)

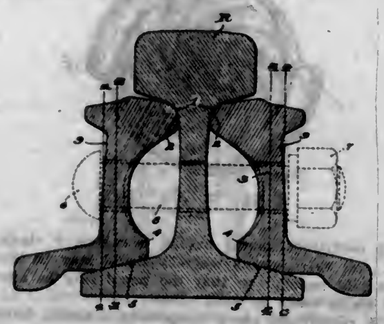
1. In an apparatus of the character described, the combination of an expansible chuck adapted to receive a ring of covering fabric, a bead carrier movable to place

a bead over the chuck in position to have the fabric applied to its inner surface by expansion of the chuck, shaping mechanisms on opposite sides of the bead, and



means to move said mechanism radially outward to stretch and apply the fabric progressively outward of the bead.

1,635,648. CONSTRUCTION FOR HEAD-FREE RAIL JOINTS. MCLEOD THOMSON, Chelsea, N. J., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1927. Serial No. 166,440. 6 Claims. (Cl. 238—243.)



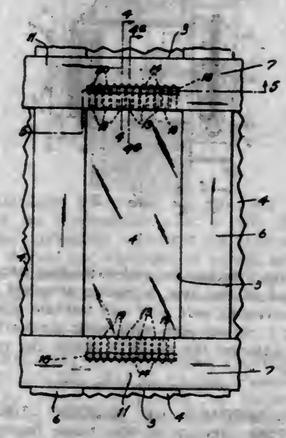
1. A construction for head-free rail joints including in combination with the rails and the clamping bolts, a head-free splice bar provided with an outer bolting face presenting a nut bearing which inclines downwardly from the vertical plane of the bar.

1,635,649. CAN OPENER. CARL W. TILLMANNS, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed July 28, 1924. Serial No. 728,639. 4 Claims. (Cl. 30—3.)



1. A can-opener comprising a blade and a back formed as separate elements said blade and back respectively comprising tangs adapted to be superposed, a pivot pin adapted to pass thru aligned openings in said superposed tangs, and means other than said pivot pin, associated with said tangs for securing said blade and back against relative displacement.

1,635,650. COMMUNICATION DEVICE. MICHAEL J. TRACY, St. Louis, Mo. Filed Feb. 18, 1927. Serial No. 169,216. 4 Claims. (Cl. 189—5.)



1. A partition composed principally of tool-proof steel plate, a plurality of window panels therein, steel muntins separating said panels, and means embodied in said muntins for transmitting sound therethrough, said means being arranged to obstruct the passage of any substance through the muntin.

1,635,651. VEHICLE SIGNAL. HENRY B. WATERS, Ann Arbor, Mich. Filed Apr. 9, 1925. Serial No. 21,877. 1 Claim. (Cl. 116—54.)

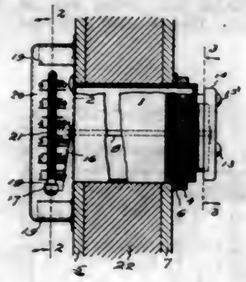


A vehicle signal of the class described comprising a housing; a signal member pivotedly mounted on said housing; a segment carried by said signal member at its mounted end; a U shaped member having teeth formed on one of its legs for engaging the teeth of said segment; teeth formed on the other leg of said U shaped member adjacent the end thereof; a rockably mounted segment for engaging the teeth on said other leg for effecting longitudinal movement of said U shaped member.

1,635,652. OVEN THERMOMETER. HORACE R. WHITTIER, Plymouth, Conn. Filed Feb. 15, 1924. Serial No. 693,101. 3 Claims. (Cl. 73—119.)

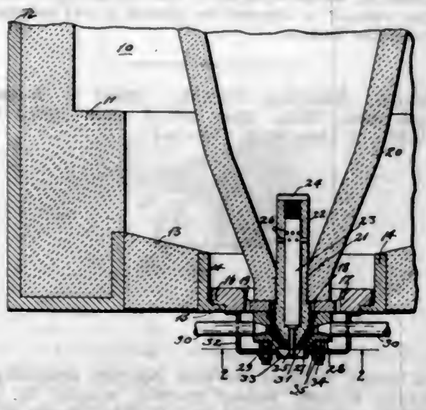
1. An oven thermometer comprising a cylindrical shell having a closed inner end and adapted to fit an opening in an oven wall, a face plate attached to the outer end of the shell, a nut threaded upon the inner end of the shell and adapted to clamp the parts to the oven wall,

a spindle extending through the closed end of the shell and the face plate, a thermo-responsive strip connected with the inner end of the spindle and adapted to turn it as the temperature changes, an arm fastened to and extending radially from the outer end of the spindle, a



tell-tale plate attached to and extending angularly from the free end of the arm, a casing attached to the face plate and enclosing said arm and tell-tale plate, said casing having a curved edge wall with graduations thereon and a slot adjacent the inside of which the tell-tale plate is movable.

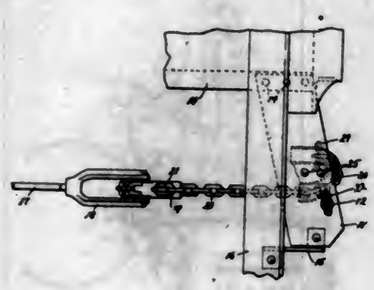
1,635,653. METHOD OF MAKING LEAD-COPPER PARTICLES. HARRY M. WILLIAMS, Dayton, Ohio, assignor to General Motors Research Corporation, a Corporation of Delaware. Filed July 22, 1925. Serial No. 45,285. 4 Claims. (Cl. 83—91.)



1. A method of making composite metal particles comprising a mixture of metals which do not alloy or only partially alloy, which consists in mixing said metals in a molten condition, and atomizing the molten mixture while it is at a temperature higher than that at which the metals tend to segregate.

1,635,654. BRAKE MECHANISM FOR RAILWAY CARS. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Jan. 28, 1924. Serial No. 689,034. 8 Claims. (Cl. 254—149.)

1. In a brake mechanism, for railway cars, the combination of a brake shaft, a brake rod, a sheave mounted in the brake rod, a chain looped about the sheave with one end in winding engagement with the shaft and means for anchoring the other end of the chain including a curved chain receiving trough, one end of which is aligned



with the brake rod and the other end of which is substantially parallel with the first, and means for making the end of the chain fast to the latter end of the trough.

1,635,655. CONVERTIBLE-STAGE CENTRIFUGAL PUMP. DE WITT E. YATES, Battle Creek, Mich., assignor to American Steam Pump Company, Battle Creek, Mich., a Corporation of Michigan. Filed May 21, 1926. Serial No. 110,652. 11 Claims. (Cl. 103—106.)



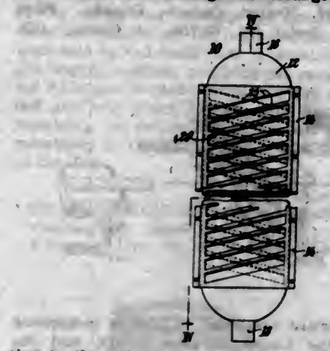
1. A centrifugal pump having a casing, a single impeller, and valve means whereby liquid may be directed to the said impeller so that the pump may be operated either single stage or multi-stage.

10. A centrifugal pump comprising a casing having a plurality of peripheral volutes, a plurality of water chambers respectively communicating with the volutes, and an inlet chamber; an impeller having a plurality of radial passages adapted to discharge fluid into the volutes; and valve means disposed axially to the impeller, whereby liquid may be directed simultaneously through the impeller to the volutes when operated as a single stage pump, or liquid may be directed from the impeller to one volute, and then back through the impeller to another volute when operated as a multi-stage pump.

1,635,656. COMPOSITE RADIATOR AND RADIATION-INCREASING DEVICE. OTTO S. BEYER, Brooklyn, N. Y., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Feb. 27, 1925. Serial No. 12,055. 3 Claims. (Cl. 257—140.)

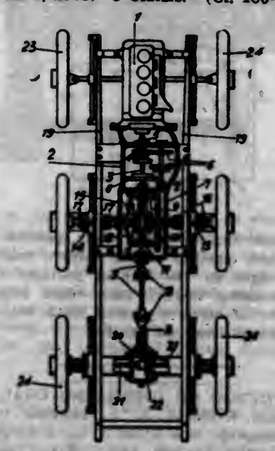
2. A radiator adapted for use with relatively high pressure heating fluids comprising composite sections, said sections each comprising a seamless light metal envelope deformable under the pressure of heating fluids used

therein, and a surrounding portion adapted to restrain said deformation of said light metal envelope, said surrounding portion having ribs arranged in inclined rela-



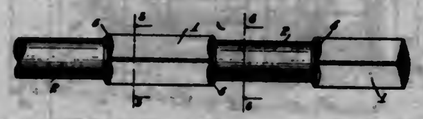
tion to the axis of the section, and the ribs on one surrounding portion engaging and crossing the ribs on the surrounding portion of an adjacent section.

1,635,657. DRIVE OF THREE-AXLED MOTOR VEHICLES. HEINRICH BLUMER, Zurich, Switzerland. Filed Dec. 9, 1926, Serial No. 153,689, and in Switzerland Dec. 12, 1925. 3 Claims. (Cl. 180—22.)



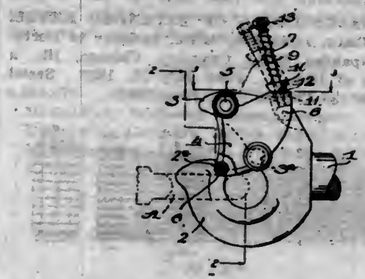
1. In a three-axled motor vehicle, a transmission mechanism for driving the two pairs of rear wheels, comprising in combination a shaft running from end to end longitudinally of the vehicle, two bevel wheel gearings for driving the middle axle, the driving wheels of said bevel wheel gearings being co-axial with said longitudinal shaft, and a bevel differential gear connecting said driving wheels to each other and to said longitudinal shaft.

1,635,658. REENFORCING BAR FOR CONCRETE. CHARLES S. BOARDMAN, Buffalo, N. Y. Filed Dec. 15, 1921, Serial No. 522,499. Renewed Dec. 8, 1926. 6 Claims. (Cl. 72—111.)



1. A multiple section reenforcing bar of the character described comprising a bar having alternating unit lengths of dissimilar cross-section and formed with bosses positioned at the junction of the respective unit lengths substantially as described.

1,635,659. AUTOMATIC PINTLE HOOK. CHARLES G. CLEMENT, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Aug. 30, 1926. Serial No. 132,334. 5 Claims. (Cl. 280—33.15.)

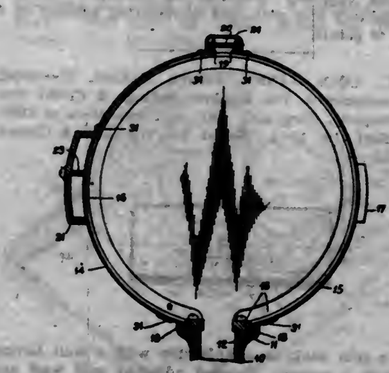


1. A pintle hook comprising an upwardly open hook portion with an overhanging arm, a pair of swinging guard members pivotally supported on said arm on opposite sides thereof and arranged to engage said arm for limiting the movement of the members, and a spring yieldingly holding said guard members in position to close the hook.

1,635,660. METHOD OF FINISHING CASTINGS SUCH AS INGOT MOLDS. RAY G. COATES, Pasadena, Calif., assignor, by mesne assignments, of one-half to the estate of H. G. Hamilton, deceased, Youngstown, Ohio. Filed July 18, 1924. Serial No. 726,756. 3 Claims. (Cl. 148—4.)

1. The method of finishing large castings cast in sand molds, comprising taking the casting from the flask as soon as the metal in the casting has set, removing the adhering sand throughout a zone where the casting is to be cut, and severing undesirable portions from said casting by cutting through the sand cleaned zone immediately after the removal of the casting from the flask and before the initial heat of the metal has dissipated sufficiently to cause the casting to completely harden.

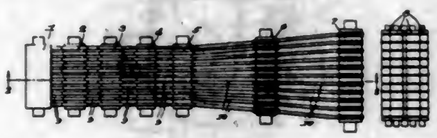
1,635,661. SCALE CASING. ROBERT CRAIG, Dayton, Ohio, assignor to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Aug. 25, 1923. Serial No. 659,415. 5 Claims. (Cl. 265—89.)



1. In a casing for a weighing scale, in combination, with a supporting pedestal, of a drum casing therefor comprising a pair of substantially semi-circular sheet metal plates having shoulders at one end to receive fastening devices for drawing said plates toward one an-

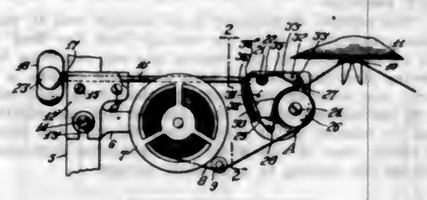
other, a channel like cover for said plate junction, said cover having projecting portions disposed substantially in the plane of said plates, and end caps having flanges engaged over the ends of said plates and projecting portions.

1,635,662. MANUFACTURE OF EXPANDED METAL. JAMES H. DEAN, Ludington, Mich., assignor to Northwestern Expanded Metal Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1926. Serial No. 124,799. 33 Claims. (Cl. 164—6.6.)



1. The method of expanding metal sheets having alternate slitted panels and unslitted strips which consists in progressively deflecting the portions of the strips at the sides of each panel in opposite directions from the general plane of the sheet while maintaining the central portions of the strips at substantially uniform distances apart.

1,635,663. FLUID FEEDING AND CONDUCTING MEANS. EMIL O. ECKLAND, Menominee Falls, Wis., and WALTER H. YOUNG, Chicago, Ill. Filed Oct. 9, 1922. Serial No. 593,473. 15 Claims. (Cl. 197—171.)



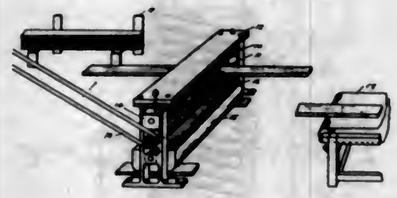
1. The combination with a typewriting machine, having an inking tape, of a reservoir containing ink, a distributing member in contact with said tape, a supply capillary conductor extending into said reservoir, and a distributing capillary conductor in contact with said supply capillary and with said distributing member at a plurality of points.

1,635,664. COIN BANK. JOSEPH HABART, Cleveland, Ohio, assignor to The Bankers Savings & Credit System Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 19, 1924. Serial No. 738,715. 4 Claims. (Cl. 232—4.)



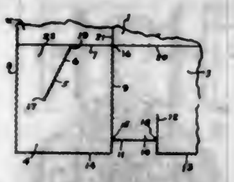
1. In a coin bank, in combination with a wall having a coin slot, a support disposed adjacent said wall and comprising angularly disposed parts on each side of the coin slot, said parts having guide slots which are parallel to axes bisecting the angles between said parts, and tumblers having branches that are slidable within the guide slots, the tumblers being movable on the aforesaid oblique axes into and out of coin obstructing position.

1,635,665. PROCESS FOR THE TREATMENT OF LUMBER. WILLIAM CECIL GARDINER, Toronto, Ontario, Canada, assignor to Satin Finish Hardwood Flooring Company, Limited, Weston, Ontario, Canada. Filed Oct. 29, 1925. Serial No. 65,706. 1 Claim. (Cl. 91—68.)



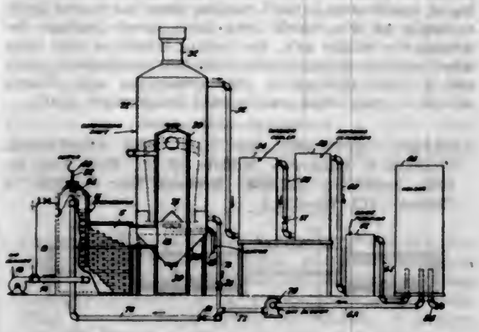
The herein described treatment of lumber comprising the drawing of the lumber between rollers, and the application of a mixture of denatured alcohol, turpentine and copal gum on its dressed or unfinished face.

1,635,666. BOX. LOUIS H. GEBHART, Dayton, Ohio, assignor to The Gebhart Folding Box Company, Dayton, Ohio, a Corporation of Ohio. Filed June 10, 1926. Serial No. 115,112. 8 Claims. (Cl. 229—35.)



5. In a paper box having a body portion, end and side walls locked together at the corners constituting a corner lock, edges on the locking portions thereof to resist the unlocking thereof, such edges being formed into a plurality of relatively small teeth with the ends of the teeth spaced from one another.

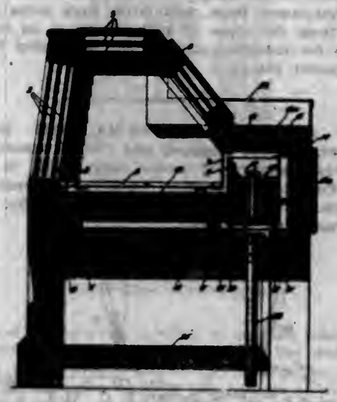
1,635,667. METHOD OF DISTILLING COAL. ROBERT G. GAISWOLD, Westfield, N. J., assignor to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 29, 1922. Serial No. 557,464. 10 Claims. (Cl. 202—8.)



1. The method of utilising high sulphur coal for the production of metallurgical coke which comprises distilling the coal by direct heat transfer with a hot low

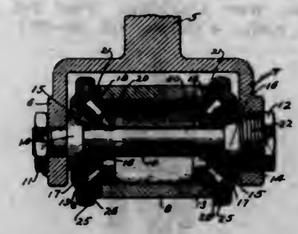
B. t. u. gas so as to produce a rich gas having a high sulphur content and coke, burning a portion of the hot coke thus produced and passing the hot gaseous products of the combustion through the remaining coke so as to raise its temperature to incandescence, contacting steam with said incandescent coke to generate the low B. t. u. gas heating medium, purifying the enriched gas by removing hydrogen sulphide therefrom, and returning the purified gas into direct contact with the incandescent coke remaining to decompose the other sulphur compounds remaining in the gas and to reduce the sulphur content of the coke.

1,635,668. REFRIGERATOR. GUSTAV J. GRUENDLER, Clayton, Mo. Filed May 22, 1926. Serial No. 110,929. 8 Claims. (Cl. 62—37.)



1. A show-case refrigerator having an elongated storage chamber therein, a container for ice positioned along the bottom wall of said storage chamber, the walls of said storage chamber having therein a substantially horizontally disposed opening through which said container may be charged with ice and a substantially vertically disposed opening through which said container may be moved from said refrigerator, and closures for said openings.

1,635,669. VEHICLE ANTIFRICTION SPRING BEARING. HOWARD C. HARRIS, Akron, Ohio, assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Original application filed Dec. 1, 1924, Serial No. 753,197. Divided and this application filed Aug. 27, 1925. Serial No. 52,747. 10 Claims. (Cl. 267—54.)



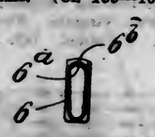
1. In a device of the character described, a frame member, a spring having an eye thereon, a connection between said spring and frame including a bolt carried by said frame member, outer race members for antifriction bearings carried by said spring eye at the opposite ends thereof and each comprising a pressed metal ring having a radially extending flange at one end, the periphery of which fits the interior of said eye, an axially extending flange at its other end, the end of the latter flange abutting against the end of said eye, inner race members carried by said bolt, and anti-friction bearings members interposed between said inner and outer race members at each side of said eye.

1,635,670. NIPPER FOR TUFT WEAVING. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 27, 1926. Serial No. 91,238. 8 Claims. (Cl. 139—2.)



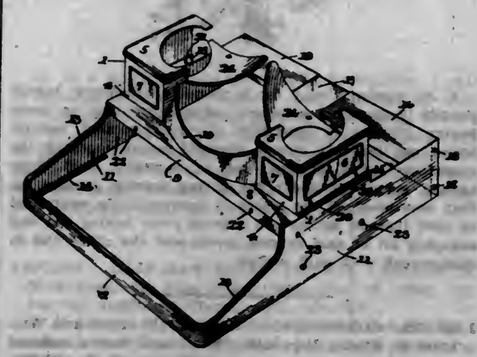
1. A yarn-gripping device for tuft weaving, embracing in its construction a pair of flat sheet metal jaws pivotally jointed together to lie in the same plane by integrally formed interlocking portions forming circular dove-tailed engagement one with the other to prevent their separation.

1,635,671. TUFT TUBE FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 27, 1926. Serial No. 91,239. 4 Claims. (Cl. 139—10.)



1. A tuft tube for a tube-frame comprising a sheet metal blank of appropriate form bent longitudinally to form a partially flattened tube with the two longitudinal edges overlapped and interlockingly engaged to resist the opening of the tube under internal pressure.

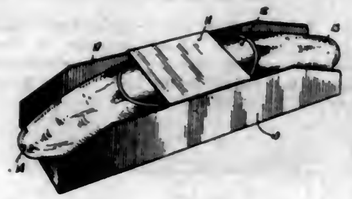
1,635,672. TYPEWRITING MACHINE. EDWARD B. HESS, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 28, 1925. Serial No. 19,085. 9 Claims. (Cl. 197—186.)



1. A protecting mask for typewriting machines comprising a lower portion adapted to encase the sides, rear and extreme front portion of the machine frame, and an

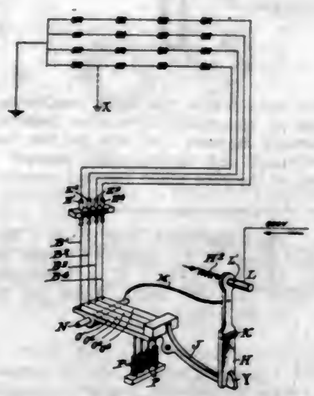
upper portion carrying ribbon housings, said parts being structurally independent of the frame of the machine but adapted to be attached thereto.

1,635,673. DISPLAY DEVICE FOR SLIPPERS. SAMUEL HOROWITZ, New York, N. Y. Filed Mar. 8, 1927. Serial No. 173,647. 1 Claim. (Cl. 12—128.)



A display packing for a pair of slippers or the like comprising a box open at the ends thereof and having top portion, said box having a pair of slippers therein and having their toe portions outwardly directed, the said slippers being connected by a double-ended and transversely arched shoe tree made of thin flexible material which fits frictionally within the slippers and also bears frictionally against the top portion of the box.

1,635,674. OVERLOAD RELAY FOR ELECTRIC HEATERS. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Aug. 30, 1922. Serial No. 585,304. 5 Claims. (Cl. 200—116.)

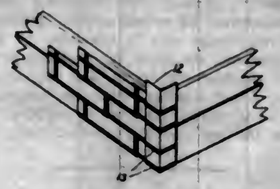


1. An overload relay for a plurality of electric heater circuits comprising a supply switch for two or more heater circuits, a plurality of spring-pressed control levers, one for each circuit, thermal means engaging the respective levers at one end to normally hold them against movement under the spring tension thereon, so that movement of the levers is automatically controlled by said thermal means and a latch lever having one end engaging all of said control levers and the other end in engagement with said switch.

1,635,675. COMPOSITION. MATHEW P. IDING and WILLIAM A. NIMTZ, Milwaukee, Wis.; said Nimtz assignor to said Iding. Filed Apr. 1, 1925. Serial No. 19,973. 8 Claims. (Cl. 51—280.)

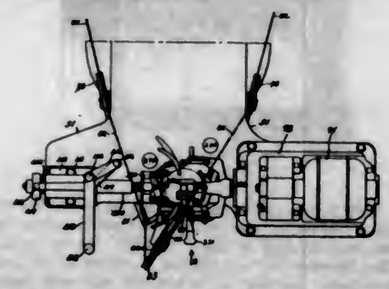
1. A new combination of matter comprising retort cement, carborundum, silica of soda and water.

1,635,676. BUILDING MATERIAL. LOUIS ISAACS, Louisville, Ky. Filed Jan. 12, 1925. Serial No. 1,918. 4 Claims. (Cl. 20—5.)



1. A building shingle having a plurality of mortar lines formed along the edges thereof and of a color to contrast with the color of the shingle, and additional lines parallel to said first-named lines, said latter lines being spaced inwardly from the edges of said shingle so as to form gage lines for indicating the amount of overlap thereon of an adjacent shingle.

1,635,677. ARMATURE-WINDING MACHINE. RUSSELL G. JONES, London, England, and CARL ZWISSEL, Dayton, Ohio, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 23, 1925. Serial No. 4,342. 21 Claims. (Cl. 242—13.)



1. A winding fixture for an armature winding machine comprising the combination of a frame adapted to be rotatably supported by a rotary member of the machine, means carried entirely by said frame for rotatably supporting an armature core with its axis transverse to the axis of rotation of the frame, and means movably supported by the frame and movable into engagement with the core for clamping the same in the desired winding position and retractable from the core to permit turning the core upon the frame into different winding positions while the core is supported by the frame.

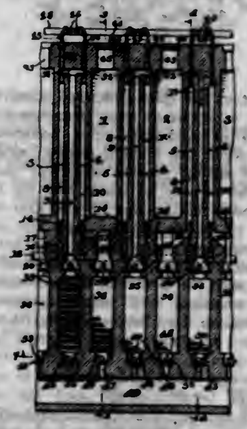
1,635,678. WINDOW STRUCTURE. THOMAS L. JURASINSKI, West Allis, Wis. Filed Feb. 9, 1925. Serial No. 8,081. 4 Claims. (Cl. 20—69.)



1. In a window structure, a frame including a sill, a sash associated therewith, a strip extending across the sill and adapted to serve as an abutment for said sash, a metallic member underlying said strip and including a

doubled portion disposed against the face of said strip and adapted to be compressed thereagainst during the closing movement of the sash, and said doubled portion being received within a cutout portion of said stile.

1,635,679. COKE OVEN. THOMAS G. KUS, Evanston, Ill., assignor to American Coke & Chemical Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 4, 1919. Serial No. 328,537. 11 Claims. (Cl. 202—9.)



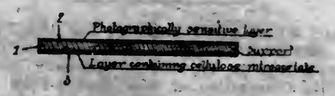
1. In a coking oven, a series of parallel coking chambers, combustion chambers formed in the walls intermediate said coking chambers for heating the same, regenerators arranged beneath and parallel to the coking chambers, flues connecting alternate regenerators with the bottoms of said combustion chambers, flues connecting intermediate regenerators with the tops of said combustion chambers, burners in the tops and bottoms of the combustion chambers and means for supplying the burners with gas.

1,635,680. THERMOMETER. CHARLES J. MANUEL and WILLIAM H. LENTZ, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y., a Corporation of Pennsylvania. Filed Oct. 5, 1926. Serial No. 139,585. 4 Claims. (Cl. 73—52.)



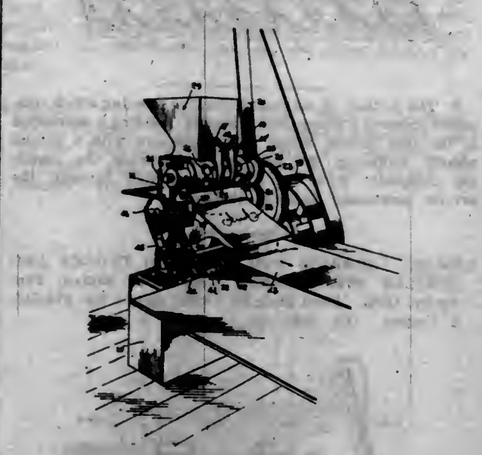
1. A shell for thermometer comprising in combination, a metallic plate; a flange around the edge of said plate; a narrow groove along the middle of said plate to accommodate the stem of the thermometer, said groove being closed at one end and open at the other end to allow the stem of the thermometer to pass through the end of said groove; and a cylindrical thimble axially aligned with said groove; said plate, flange, groove, and thimble being of uniform thickness whereby the shell is rendered suitable for finishing by the vitreous enamel process.

1,635,681. ANTISTATIC PHOTOGRAPHIC FILM. JACQUES MARETTE, Vincennes, France, assignor to Pathé Cinéma, Anciens Etablissements Pathé Frères, Paris, France. Filed June 30, 1925, Serial No. 40,690, and in France May 26, 1925. 2 Claims. (Cl. 95—9.)



1. An antistatic film comprising a film support, one face whereof is coated with sensitive emulsion, while its other face is coated with a coating comprising cellulose nitroacetate.

1,635,682. CANDY-FORMING MACHINE. ZACHEUS M. MARR, Fremont, Nebr., assignor to Racine Confectioners' Machinery Co., Racine, Wis., a Corporation of Wisconsin. Filed Mar. 10, 1922. Serial No. 542,705. 18 Claims. (Cl. 107—8.)



15. In a candy forming machine, in combination, a pair of molding rolls, at least one of said rolls having mold cavities and stick receiving grooves terminating at one end in said mold cavities, means for rotating said rolls in opposite directions, and means for feeding sticks into said grooves so as to extend into said mold cavities, whereby candy material fed to the said mold cavities will be formed upon the end of said sticks.

1,635,683. HAIR-MARCELING DEVICE. FLOSSIE M. MCMASTERS, San Jose, Calif. Filed Jan. 16, 1926. Serial No. 81,679. 2 Claims. (Cl. 132—32.)

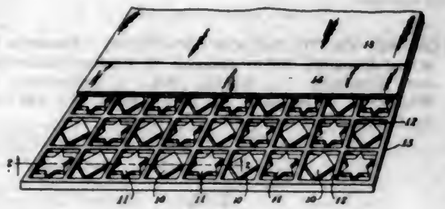
1. A device of the character described, comprising a handle, a sheet metal body having laterally undulating undulations formed therein and having its central portion mounted on said handle, the said body portion being bent upwardly a distance on each side of said handle, thence outwardly a distance, and thence downwardly a

distance to form flat bottomed grooves, an upstanding bracket mounted on the handle a distance from the said body portion, and a second handle part pivotally



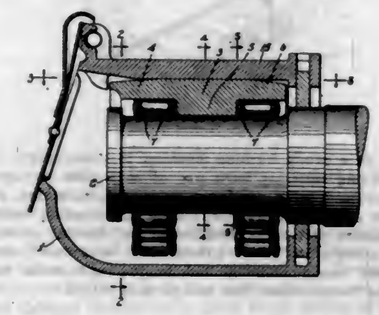
mounted on said bracket and provided with spaced flat prongs adapted to engage the flat bottomed grooves in said body portion.

1,635,684. METHOD OF MAKING DECORATIVE RUBBER SHEETING. TOD J. MELL, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1924, Serial No. 756,684. Renewed May 11, 1927. 12 Claims. (Cl. 18—61.)



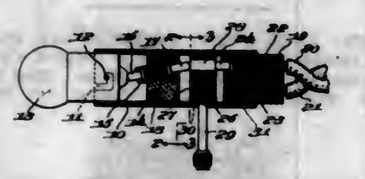
9. The method of making decorative sheeting which comprises pressing a plastic into a matrix, molding a depression in the said plastic, filling said depression with a second plastic, stiffening the plastics, and slicing the resulting composite mass by a cut extending through the several mentioned elements thereof.

1,635,685. BEARING FOR RAILROAD TRUCKS AND SIMILAR STRUCTURES. GEORGE R. MORAN, Sandusky, Ohio. Filed Dec. 10, 1923. Serial No. 679,515. 2 Claims. (Cl. 308—180.)



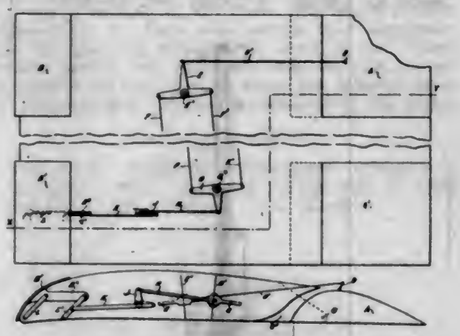
1. In a journal box the combination with an axle of a bearing piece composed of a central portion and two end portions, said central portion being of greater thickness than said end portions, said portions having their lower surfaces curved, and series of revoluble roller bearings flexibly connected together, said roller bearings being mounted between said axle and the end portions of said bearing piece and spaced apart by said central portion.

1,635,686. ELECTRIC-LAMP SOCKET. PETER E. MORRISON, Arlington, Mass., assignor to Henry Cole & Company, Boston, Mass. Filed Sept. 17, 1925. Serial No. 57,000. 1 Claim. (Cl. 173—346.)



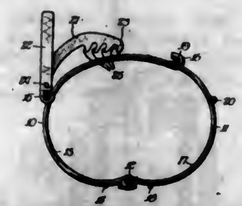
A lamp socket of the class described comprising a stationary casing; a terminal plug non-rotatably secured in the one end of said casing; a non-rotatable plug secured in the other end of said casing; said plug having two aligned spring pressed electrical contact members mounted therein one of which has its free end located approximately in the line of the axis of said casing, the other of which has its free end disposed eccentrically to said axis; a revoluble plug interposed between said terminal plug and last mentioned plug, and being provided with an electrical contact member which is eccentrically arranged with respect to said axis; said terminal plug having feed wires secured therein one of which is arranged to connect with a spring pressed electrical contact member which is eccentrically arranged with respect to said axis; and arranged to complete the electrical contact between itself and the eccentrically mounted contact member in said plug when said rotatable plug is rotated to position its contact member therebetween; the other of said feed wires being in electrical connection with said casing and means including a lever extending radially from said rotatable plug whereby said plug may be rotated to cause its contact member to be moved into and out of electrical contact with the contact member of said terminal plug and the eccentrically arranged contact member of the plug.

1,635,687. MEANS FOR LATERALLY CONTROLLING AIRCRAFT. FREDERICK HANDLEY PAGE, London, England, assignor to Handley Page Limited, London, England. Filed Nov. 29, 1926, Serial No. 151,483, and in Great Britain Dec. 9, 1925. 4 Claims. (Cl. 244—29.)



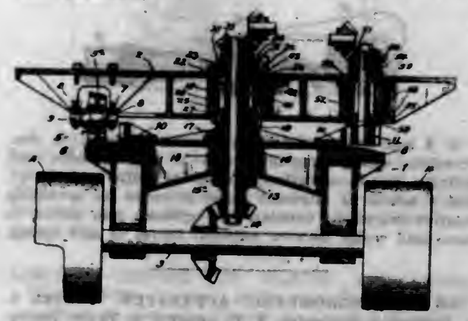
1. Aircraft having port and starboard wings, an aileron on each wing, and means for angularly adjusting said ailerons, each port and starboard wing also having slot openings and slot-operating means to adjustably open or close said slot openings, in combination with means connecting the aileron on said starboard wing with the slot-operating means on said port wing, and means connecting the aileron on said port wing with the slot-operating means on said starboard wing.

1,635,688. CONTAINER FOR HAMS AND THE LIKE. DAVID S. RALSTON, Chicago, Ill., assignor to Allied Packers, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 10, 1926. Serial No. 114,906. 5 Claims. (Cl. 100—57.)



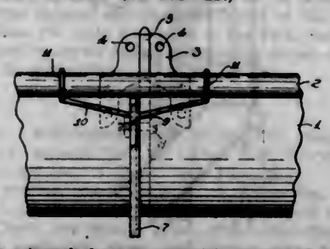
1. A container of the character described, consisting of two hinged sections, each of which is composed of a plurality of circumferentially extending wire ribs which lap opposite the hinging axis with the ribs of the other section when the container is either open or closed.

1,635,689. TURNTABLE BEARING DEVICE. JOHN D. RAUCH, Lima, Ohio, assignor to The Ohio Steam Shovel Company, Lima, Ohio, a Corporation of Ohio. Filed July 27, 1925. Serial No. 46,194. 3 Claims. (Cl. 308—231.)



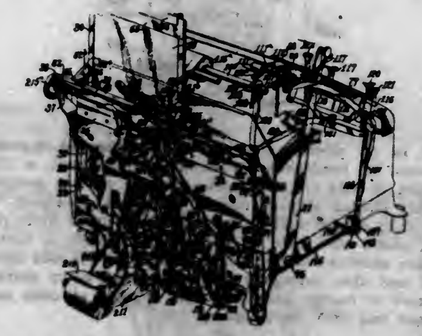
1. A bearing support for heavy machine parts comprising a frame member having an upright bore therethrough, a sleeve fitting in said bore and slidable axially therein, a spindle extending coaxially within said sleeve and rotatable with respect to said frame, a thrust bearing interposed between said spindle and sleeve, and means restraining rotation of said sleeve in said bore but permitting relatively free vertical movement thereof whereby said frame may be automatically readjusted by gravity to compensate for wear of said thrust bearing.

1,635,690. EAVES-TROUGH HANGER. FRED C. RICHNER, Rochester, N. Y. Filed June 17, 1926. Serial No. 116,754. 1 Claim. (Cl. 108—29.)



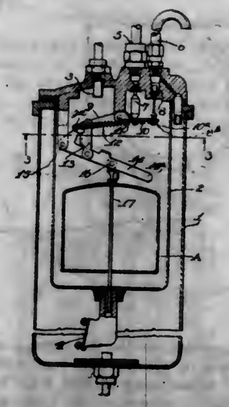
An eaves trough hanger comprising a supporting arm on which an eaves trough rests, and a securing device for the outer edge of the trough embodying a pair of spaced hooks for engaging the outer edge of the eaves trough in spaced relation to opposite sides of the supporting arm, and a resilient connecting portion between the hooks engaging the supporting arm at a point substantially midway between its ends in spaced relation to the hooks.

1,635,691. ADDING MACHINE. FRANK C. RINSCHE, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 29, 1921. Serial No. 511,341. 126 Claims. (Cl. 197—176.)



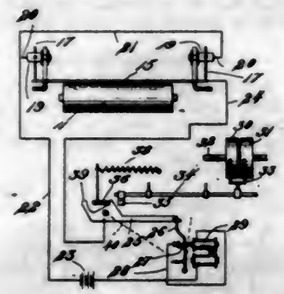
1. In a machine of the class described, the combination of type, means for moving the same against the work, a platen, line-spacing means for moving the work relative to the platen, and means for moving the platen against the work before the type are moved against the same.

1,635,692. VALVE-SNAP ACTION. FRED G. SCHWEISTHAL, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Nov. 21, 1924. Serial No. 751,205. 6 Claims. (Cl. 103—236.)



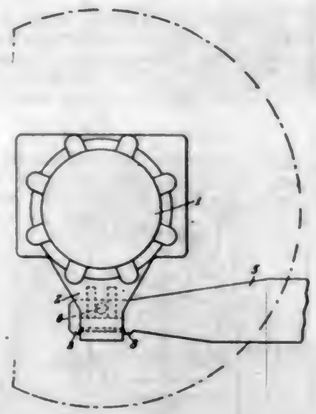
1. In a device for the purpose indicated in combination with a chamber having liquid inlet and outlet and having a fluid pressure connection at the upper part, a valve controlling said fluid pressure connection; a float adapted to move with the change of level of the liquid; a snap action connection between the valve and the float comprising a pivoted lever pivotally connected with the float and extended from the float pivot in a plane for encounter of its extension with a valve-connected part in the snap movement whereby the snap action causes the lever extension to strike a blow for displacing the valve from its seat.

1,635,693. STOP MOTION FOR DRAWING FRAMES. WALTER J. SCOTT, Woonsocket, R. I. Filed June 12, 1926. Serial No. 115,432. 3 Claims. (Cl. 19—165.)



1. In an electric stop motion for worsted drawing frames, the combination with an electric circuit, a stop motion in said circuit, a pair of draft rolls, a movable circuit closing element normally lying in proximity to, but clear of the working surface of the upper draft roll and above the path of the roving whereby a roving broken under a drafting strain is wound about said upper roll and this roving is built upon the outer surface thereof to engage and move said element to close said circuit and stop the machine.

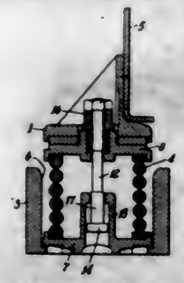
1,635,694. BOGIE FOR RAILWAY CARS AND THE LIKE. CARL ALFRED SVENSSON and THEODOR COLLIN, Falun, Sweden. Filed July 16, 1926, Serial No. 122,747, and in Sweden July 18, 1925. 5 Claims. (Cl. 105—194.)



1. A bogie suspension device for railway cars, comprising beams adapted to receive the load and transmit it to the boxes, the boxes being formed with projections below the axle centers allowing the beam end to be inserted from below, each of said beams being supported at its ends between the said projections.

1,635,695. BOGIE FOR RAILWAY CARS AND THE LIKE. CARL ALFRED SVENSSON and THEODOR COLLIN, Falun, Sweden. Filed July 16, 1926, Serial No. 122,748, and in Sweden July 20, 1925. 2 Claims. (Cl. 105—194.)

1. A bogie suspension device for vehicles, in which the load is transmitted by springs to a beam, supported by the journal boxes, the springs being placed in vertical recesses in the beams and compressible by means of a bolt, characterised by the respective bottoms of the recesses being provided with a projecting sleeve serving



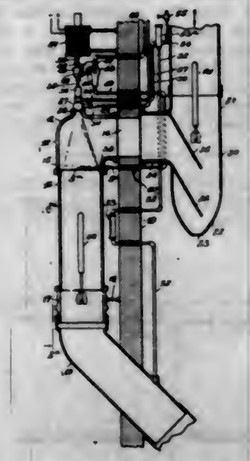
to receive the bolt head and having such a length as to effectively embrace the bolt head in every position of the same.

1,635,696. LEAF-SPRING-LUBRICATING DEVICE. PRESTON UPHAM, Brookline, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 1, 1923. Serial No. 616,277. 9 Claims. (Cl. 81—3.7.)



3. A leaf spring lubricating device comprising, in combination, spring-engaging means, a wedge, piston and cylinder means operatively connected with said wedge, and a source of lubricant under pressure for actuating relative movement between said cylinder and piston to force said wedge between adjacent leaves of said spring.

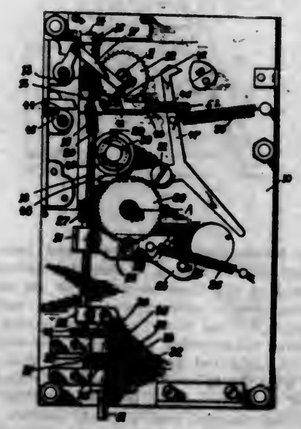
1,635,697. HYGROMETRIC APPARATUS. SAMUEL S. AMDURSKY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Jan. 7, 1926. Serial No. 79,909. 4 Claims. (Cl. 73—24.)



1. In a hygrometric device of the character described, the combination with a spray chamber, a spray device therein, a thermometric element subjected to the action of

the spray, an outlet and an air inlet, of means automatically operative to remove from the spray device impurities deposited thereon including means for directing a jet of liquid against the spray device.

1,635,698. DRIVING MEANS FOR TAXIMETERS. CHARLES ANSTOTZ and WALDEMAR SAUPE, New York, N. Y., assignors to Ohmer Fare Register Company, Dayton, Ohio, a Corporation of New York. Filed July 20, 1925. Serial No. 44,758. 7 Claims. (Cl. 235—30.)



5. A driving means for taximeters, including a driving shaft, a second shaft driven thereby, a flexible connection between said shafts, elements driven by each of said shafts and a cam whereby the driving shaft is rendered inoperative in so far as the element driven thereby is concerned.

1,635,699. METHOD OF MAKING OPHTHALMIC MOUNTINGS. EARLE J. R. BEATTIE, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed June 17, 1922. Serial No. 568,901. 4 Claims. (Cl. 18—59.)



1. The method of making an article of the class described that comprises holding a non-metallic article, with a curved bore against displacement, the bore being closed on all sides except at one end, driving into the bore through the said end, while the article is so held, a non-yielding element curved to the shape of the bore but thicker than the cross dimension of the bore, and causing the element to travel during the driving action along the path of the curved bore.

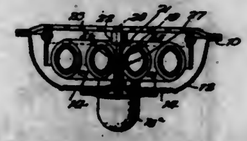
1,635,700. WINDOW-SHADE SUPPORT. EDMUND S. BIGELOW, Kansas City, Mo. Filed Aug. 30, 1926. Serial No. 132,456. 1 Claim. (Cl. 156—24.)

In a window shade support, a supporting member adapted to be mounted in the runway of a lower sash and provided with two spaced apart projections disposed in the same horizontal plane, and having above said projections a laterally extending lip provided with a vertical hole, and a spring plate fastened at its lower end to and diverging upwardly from said member and alined with the space between said projections and extending into said hole and held under tension by said lip and en-



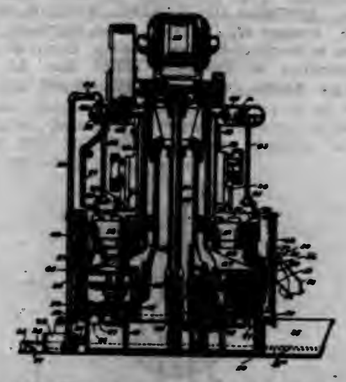
gaged at its longitudinal edges by said lip, and, below said lip, having a hole adapted to receive an end spindle of a shade roller.

1,635,701. CASING FOR AUTOMOBILE HEATERS. THOMAS BOVEY, Chicago, Ill. Filed Mar. 22, 1923, Serial No. 626,933. Renewed Sept. 15, 1926. 15 Claims. (Cl. 257—136.)



3. A casing for an automobile heater which is pan-shape and has a doorway in its bottom, on each side of its center of width, doors hinged to the inner sides of said doorways, a vertical shaft or stem adapted to be given a quarter turn extending between said doorways and arms secured to and projecting in opposite directions from the lower end of said shaft or stem which latter is operable from above said casing for opening and closing said doors.

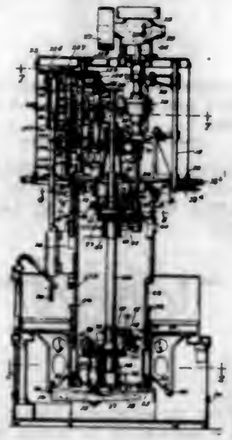
1,635,702. CUTTING COMPOUND DISTRIBUTION SYSTEM. EDWARD P. BULLARD, Jr., Stratford, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 9, 1924. Serial No. 691,858. 5 Claims. (Cl. 29—38.)



1. In a machine of the character described, the combination with a rotatable carrier and work supports carried thereby, of cutting compound distributing means carried by and rotatable with said carrier, reservoir means adapted to supply a cutting compound to said distributing means, means connected to said distributing

means adapted to deliver the cutting compound to the work supports, means at one point adapted to deliver the combined lubricant and cuttings from the several work supports, and a removable receptacle adapted to receive the combined lubricant and cuttings and drain the lubricant into said reservoir means.

1,635,703. MULTIPLE-SPINDLE DRILLING MACHINE. EDWARD P. BULLARD, Jr., Stratford, Conn., assignor to The Bullard Machine Tool Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 4, 1924. Serial No. 704,096. 37 Claims. (Cl. 77—33.)



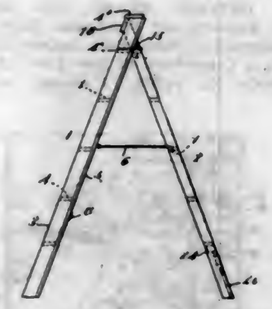
1. In an automatic machine tool of the character described, a work support, a tool slide, rotary feed means having movement in one direction connected to said tool slide and adapted to move said slide in a given point in relation to the work at one speed, other feed means adapted to move said slide to a given point in relation to the work at a different speed, said tool slide adapted by said secondary movement to move said first means with it during the movement to the limit of its traverse, said first feed means adapted to move said slide in return direction out of relation with the work at relatively rapid speed.

1,635,704. METHOD OF MAKING HOLLOW GLASSWARE. ROBERT W. CANFIELD, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 11, 1925. Serial No. 14,674. 6 Claims. (Cl. 49—83.)



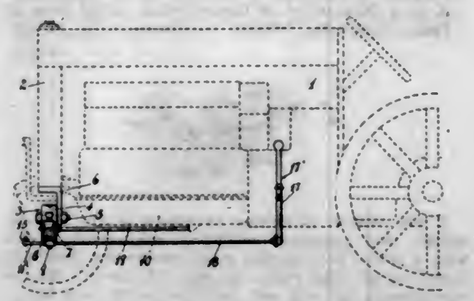
1. The method of making hollow glassware, which comprises blowing a parison and then imparting a contracted neck portion thereto by removing a portion of the air contained therein, enclosing said parison in a mold, and blowing it to final form therein.

1,635,705. COMBINATION STEPLADDER. EMILIO A. CARDARELLI, Boston, Mass. Filed Dec. 9, 1925. Serial No. 74,310. 2 Claims. (Cl. 228—18.)



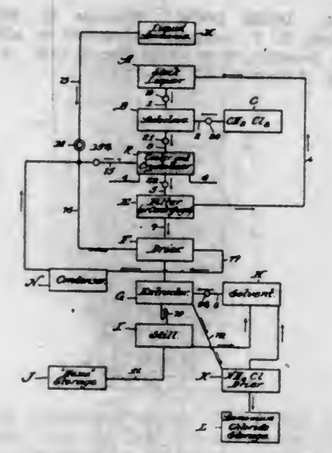
1. A step ladder comprising front and rear sections each provided with steps, a U-shaped retaining frame fixedly secured to the front section near its upper end, said retaining frame embracing the rear section and forming a guide for the latter, a removable stop rod normally extending transversely across the rear section near its upper end, said rod having its ends projecting for engagement with the sides of the U-shaped frame to limit movement of the rear section in one direction, said rod having a recess therein, and a latch member normally engaging said recess to prevent accidental removal of the rod.

1,635,706. FRONT-AXLE ASSEMBLY. ELTON R. CAREY, Long Beach, Calif., assignor to Ovelda E. Carey, Long Beach, Calif. Filed Dec. 5, 1925. Serial No. 73,336. 1 Claim. (Cl. 280—95.)



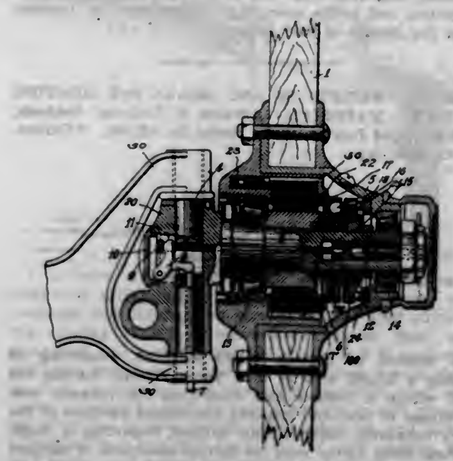
A front axle assembly for Fordson tractors comprising an axle, substantially the same width as the tractor radiator, means pivotally mounting said axle to the tractor, spindle yokes pivotally mounted at either end of said axle, said yokes being positioned below the pivot of the axle, outwardly curved arms secured to said yokes extending forwardly of and below said axle, a guide arm secured to one of said arms and extending inwardly therefrom and below the axle, a drag link pivoted to said arms, and an extension on the tractor steering arm, and a steering link pivoted to said extension and to said guide arm, said steering link being below the axle.

1,635,707. MANUFACTURE OF HEXAMETHYLENETETRAMINE. CARNIE B. CARTER, Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Feb. 9, 1924. Serial No. 691,673. 16 Claims. (Cl. 260—141.)



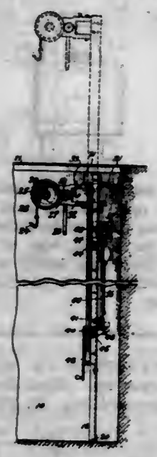
1. The process of producing hexamethylenetetramine which comprises: reacting upon methylene chloride with ammonia present as a constituent of a solvent composed largely of water.

1,635,708. FRONT WHEEL BRAKE FOR AUTOMOBILES AND THE LIKE. HJALMAR SIGFRID CASSEL, Lund, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, a Corporation of Sweden. Filed Apr. 2, 1925, Serial No. 20,030, and in Sweden Apr. 8, 1924. 5 Claims. (Cl. 188—194.)



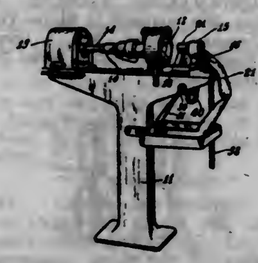
1. In a front wheel brake for automobiles and the like, the combination with an axle provided at each end with a steering knuckle member, of a wheel spindle provided with another steering knuckle member, a pin uniting the said knuckle members, a wheel provided with a hub mounted on such spindle, a brake associated with the hub, the spindle being provided with a bore constituting a bearing, a rod adapted to move longitudinally in such bore and connected to the brake, there being a bore in the knuckle pin constituting a bearing and an actuating rod located in such bore for longitudinal movement, and means for transmitting motion from the said actuating rod to the rod within the wheel spindle.

1,635,709. AREA-WAY HOIST. CHARLES K. ERNST, Buffalo, N. Y. Filed Mar. 25, 1926. Serial No. 97,247. 1 Claim. (Cl. 212—64.)



An areaway hoist comprising a mast having a lower fixed section, and an upper movable section slidable vertically on said lower section, a hoisting drum mounted on said upper mast section, and operating means for raising and lowering said upper mast section on said lower mast section, comprising a vertical gear rack mounted on said upper mast section, a gear pinion meshing with said gear rack, a horizontal driven shaft journaled on the upper part of said lower mast section and carrying said gear pinion, a horizontal driving shaft journaled on the lower part of said lower mast section and having a crank, an upright intermediate shaft journaled on the lower mast section, an upper pair of intermeshing bevel gear wheels connecting the upper end of said intermediate shaft with said upper horizontal shaft, and a lower pair of intermeshing bevel gear wheels connecting the lower end of said intermediate shaft with said lower horizontal shaft, said upper horizontal shaft being arranged in rear of said lowermost section and at right angles to said lower horizontal shaft.

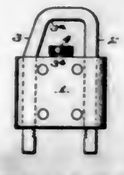
1,635,710. TUBE-SKIVING APPARATUS. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 19, 1924. Serial No. 714,415. 8 Claims. (Cl. 164—61.)



1. In a tube skiving machine, in combination, an annular member provided with a frusto-conical portion adapted to support a tube end, said frusto-conical por-

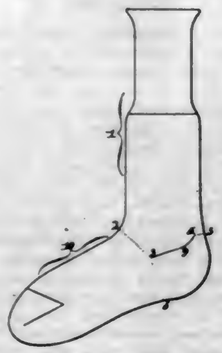
tion being hollow to form a vacuum chamber and being further provided with passage ways leading from the vacuum chamber through its outer wall, and means for making and breaking a vacuum within the vacuum chamber.

1,635,711. PADLOCK. SAMUEL R. FRAIM, Lancaster, Pa. Filed Oct. 27, 1926. Serial No. 144,543. 1 Claim. (Cl. 70—17.)



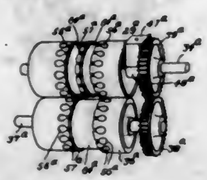
In a padlock, a casing, a substantially U-shaped shackle the legs of which pass through said casing, said casing having a cushioning member mounted in the upper edge thereof between the joined legs of said shackle, said cushioning device consisting solely in a solid member of flexible material reduced at its mid-portion and removably fitted in said casing.

1,635,712. MANUFACTURE OF HOSIERY. EMIL A. HIRNER, Allentown, Pa. Filed June 22, 1921, Serial No. 479,603. Renewed Jan. 12, 1925. 9 Claims. (Cl. 66—187.)



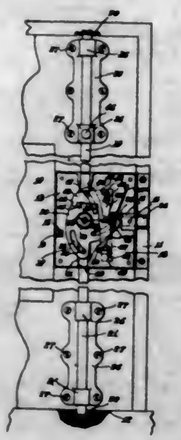
1. In the manufacture of seamless hosiery, the process of producing the heel pocket which consists in knitting on a limited series of needless less than one-half of the full complement, gradually widening until one-half of the needles are in use, and then immediately beginning the foot portion by circular knitting on the full complement of needles.

1,635,713. CANDY-MAKING MACHINE. ROBERT S. HISLOP, Racine, Wis., assignor to Racine Confectioners Machinery Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 23, 1922. Serial No. 602,764. 11 Claims. (Cl. 107—8.)



2. In a candy machine, in combination, a pair of molding rolls, at least one of said rolls having mold cavities and at least one having stick receiving grooves, means for rotating said rolls, means for supplying sticks to said stick receiving grooves, and stationary means for forcing said sticks into the material in said mold cavities as said rolls are rotated.

1,635,714. DOOR LOCK. WILLIAM H. HOFFMANN, Brooklyn, N. Y., assignor of one-half to Alice J. L. Dolon, Brooklyn, N. Y. Filed Dec. 2, 1925. Serial No. 72,644. 7 Claims. (Cl. 70—74.)



1. The combination with a lock casing, of a series of bolts guided to project axially thereof, at least two of said bolts being arranged coaxially of each other, a cam plate mounted for rotation within said casing and engaged with the inner end of each bolt, the cam plate carrying a lug movable in an arc of a circle, a tumbler yieldably engaging said cam plate lug to hold the bolts projected, and means operating to disengage the tumbler from the outside of said casing.

1,635,715. METHOD OF AND MEANS FOR HEATING COILED MATERIAL. ARTHUR S. HOLMES, Oshkosh, Wis. Filed July 24, 1925. Serial No. 45,830. 6 Claims. (Cl. 263—3.)

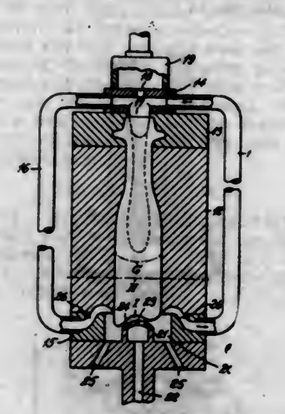


1. Method of heating coiled material, consisting of coiling a length of wire in a figure 8 form, placing the coil within a furnace and subjecting the forward convolutions to heat and drawing the heated portions of the wire outwardly substantially without imparting a longitudinal twist to the wire for further operation in another machine.

1,635,716. METHOD AND APPARATUS FOR BLOWING GLASS PARISONS. GEORGE E. HOWARD, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Sept. 29, 1925. Serial No. 59,277. 6 Claims. (Cl. 49—18.)

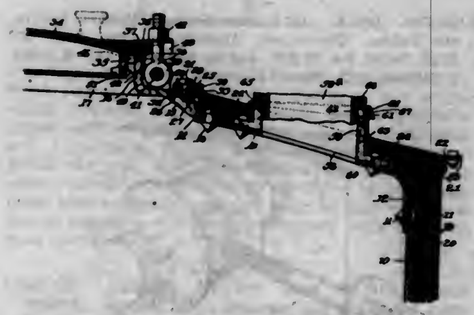
1. The method of making blown glassware that comprises charging a parison mold with glass, compacting the glass in the parison mold by pressure applied through

the open end of said mold, counter-blowing the glass in said mold by air pressure applied at one end of said mold while leaving the opposite end of said mold open, and



causing the displacement of said glass in said mold to automatically stop the said expansion when said expansion has proceeded to a predetermined extent.

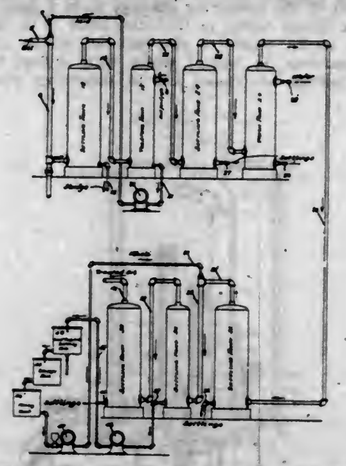
1,635,717. TANK CAR. PAUL KLEMOFF, Chicago, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Feb. 10, 1926. Serial No. 87,364. 2 Claims. (Cl. 220—55.)



1. A tank car having a dome portion comprising a dome-head presenting an opening, a manhole frame surrounding said opening and secured to said head adjacent the opening therein, a dome-jacket spaced from said dome-head and having a portion at which it is connected with said frame, said jacket and head being spaced apart to form a chamber for insulating material, and said frame containing annular grooves, gaskets in said grooves, the outer one of said gaskets being lapped by said jacket, a flashing-ring engaging the other of said gaskets and said jacket, and means for holding said ring in place.

1,635,718. ART OF REFINING OILS. CHARLES LEAVER, Imperoyal, Nova Scotia, Canada, assignor to Imperial Oil, Limited, a Corporation of Canada. Filed Mar. 11, 1921, Serial No. 451,532, and in Canada Aug. 13, 1920. 2 Claims. (Cl. 196—40.)

1. The process of treating oils which comprises flowing the oil and a partially spent treating liquid concurrently through baffling obstructions, separating out the sludge, then flowing the treated oil in countercurrent to a stream



of fresh treating liquid, the resulting partially spent treating liquid being used in the preliminary treatment of fresh oil.

1,635,719. DOWN INDICATOR. JULIUS J. LIPP, Chicago, Ill. Original application filed Nov. 2, 1925, Serial No. 66,290. Divided and this application filed Dec. 31, 1926. Serial No. 158,218. 2 Claims. (Cl. 116—114.)

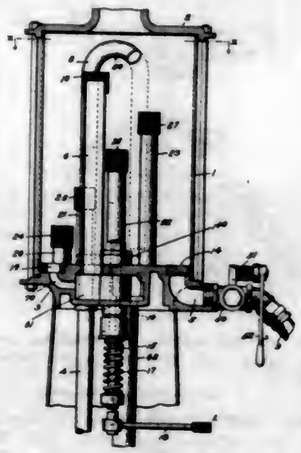


1. A down indicator for football comprising a vertical stake, an indicating member secured thereto and being provided with four vertical faces numbered 1 to 4, respectively, the upper end of said indicating member being formed as a pyramid having faces numbered in correspondence to the adjacent numbered vertical faces, the numerals on said pyramidal faces being arranged with their tops disposed toward the base of the respective pyramidal faces, and a handle extending from the apex of said pyramid.

1,635,720. LIQUID-DISPENSING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa., assignor to Correct Measure Company, Rochester, Pa., a Corporation of Pennsylvania. Filed Jan. 8, 1926. Serial No. 79,978. 4 Claims. (Cl. 221—100.)

1. In liquid-dispensing apparatus a measuring chamber provided through its bottom with a delivery orifice and

a return orifice, and a valve plate provided with a succession of orifices opening at different levels movable upon the bottom of the measuring chamber from a position in which the lowest orifice in the valve plate is in registry with the return orifice in the chamber bottom to successive positions, in one of which both orifices in the chamber bottom are closed and in succeeding positions

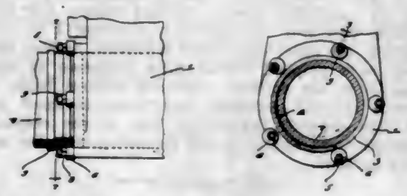


one and another of the orifices in the valve plate are in registry with the delivery orifice in the chamber bottom, the bottom of the chamber being provided with a gutter underlying the pathway of the orifices in the valve plate, said gutter terminating at an interval from the return orifice last mentioned, the diameter of the lowest orifice in the valve plate exceeding the extent of such interval.

1,635,721. PROCESS FOR THE RENOVATION OF WORN GUN BARRELS AND IMPROVEMENTS IN GUN BARRELS. PIERRE MALAVAL and RENÉ PAUL EUGENE PAQUELIER, Paris, France. Filed May 13, 1926, Serial No. 108,972, and in France Aug. 3, 1925. 6 Claims. (Cl. 89—16.)

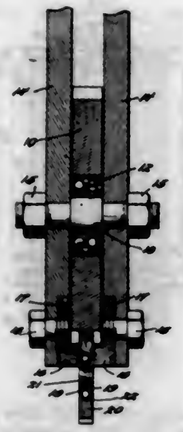
6. A liner for a gun, said liner being self-hooped to increase the elastic limit thereof, the outer diameter of said liner being less than the inner diameter of the gun.

1,635,722. PISTON-RING APPLIER. SAMUEL M. MCKEE, Cumberland, Md. Filed Feb. 23, 1927. Serial No. 170,267. 4 Claims. (Cl. 29—86.4.)



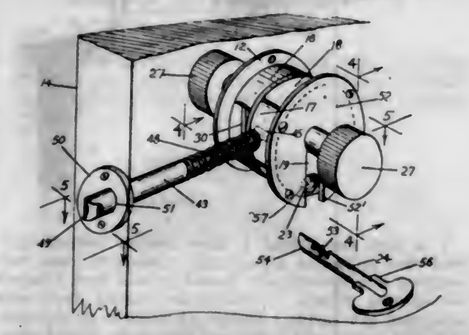
1. In a means for applying piston rings on the piston of a steam cylinder, a series of piston ring engaging members eccentrically mounted on the stud bolts which project from the end of the cylinder, each of said members being provided with means for rotating the same on its respective stud bolts.

1,635,723. MORTISING MACHINE. IVAN MILLER, Onaway, Mich., assignor to Lobdell-Emery Manufacturing Company, Alma, Mich., a Corporation of Michigan. Filed Dec. 23, 1925. Serial No. 77,406. 2 Claims. (Cl. 90—11.)



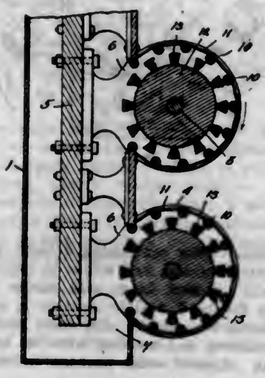
1. The combination with a driving gear of a mortising cutter adapted to mesh with the gear, the cutter having a two-part bearing, the combined thickness of said parts being substantially the same as the width of the cutter face, said bearing and said cutter having complementary ball races and antifriction balls arranged in said races, the two parts of said bearing abutting and being secured together.

1,635,724. LOCK. ARCHIBALD WILLIAM MORRIS, Kulara, via Cairns, Queensland, Australia. Filed Mar. 27, 1925, Serial No. 18,910, and in Australia Apr. 8, 1924. 2 Claims. (Cl. 70—29.)



1. A lock including a barrel portion to fit in a hole bored transversely through a door, and a bolt movable radially to and from the barrel portion and outwardly pressed by a spring, said barrel portion comprising a pair of end plates and an intermediate division plate all maintained in spaced parallel relation, a rotatable spindle passing through said end plates and division plate and having bearing in the end plates, said spindle being fitted at each end with means for rotating it and being cut away on opposite sides to provide a substantially rectangular waist portion located between the division plate and one of the end plates, a plurality of ward-plates individually slidable in guides in a plane at right angles to the spindle, each of said ward-plates having a clearance aperture (permitting the passage and rotation of the spindle) and a pair of oppositely disposed radial slots extending from the clearance aperture, one of said slots in each plate normally engaging the waist of the spindle to prevent the latter being rotated until by the operation of an appropriate key the ward-plates are moved to bring their clearance apertures into alignment and in register with the axis of the spindle, a floating yoke about the spindle formed with shoulders and with means for connecting the inner end of the bolt thereto, and, fixed on the spindle, a claw plate having claws co-operating with said shoulders to move the yoke and retract the bolt when the spindle is rotated.

1,635,725. COTTON-PICKING MACHINE. JOSEPH BROWN NEIL, York, S. C., assignor of one-third to C. L. Cobb, Rock Hill, S. C., and one-third to J. C. Wilborn, York, S. C. Filed Dec. 2, 1924. Serial No. 753,507. 7 Claims. (Cl. 56—48.)



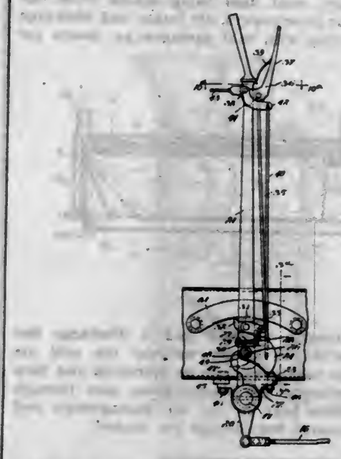
1. In a cotton picking machine, opposed series of superposed picking units, each unit including a cage having cotton receiving peripheral openings and a peripheral cotton outlet of greater width than any of said openings, and a rotatable picking brush mounted for rotation within the cage, said brush constituting means for expelling picked material through the outlet by centrifugal force, said peripheral openings being of such size as to prevent expulsion of cotton therethrough while travelling with the brush.

1,635,726. SAFETY DEVICE FOR HIGH-TENSION WIRES. ARTHUR A. C. OHLSEN, San Francisco, Calif. Filed Jan. 14, 1924, Serial No. 685,994. Renewed May 9, 1927. 2 Claims. (Cl. 175—265.)



1. A device of the character described comprising a pair of elongated bars formed of dielectric material, said bars being separable and lying substantially parallel to each other during separation, serrated portions formed along the contacting faces of said bars and at one end thereof, and manually operated means whereby the bars when separated may be pulled together to grip a member disposed between said serrated faces.

1,635,727. BRAKE MECHANISM. FRANK W. PICHÉ, Detroit, Mich. Filed Mar. 5, 1925. Serial No. 13,059. 20 Claims. (Cl. 188—16.)



20. The combination with a vehicle frame having a pair of traction wheels and a brake for each of the wheels, a transversely extending shaft journaled upon the frame, means connecting the shaft with one of said brakes, a brake lever pivotally disposed upon the shaft and operatively connected with the other brake, a hand lever pivoted upon the shaft, an arm rigid upon the shaft, releasable coupling devices pivoted upon the hand lever and having interlocking engagement with said arm and said brake lever to effect simultaneous operation of both brakes upon movement of the hand lever, means for effecting release of either of the coupling devices independently of the other whereby either brake may be operated without operation of the other, and a latching device for said hand lever adapted when in locking position to prevent release of either of said coupling devices.

1,635,728. SHUTTLE-EYE GUIDE PLATE. ISAAC SNOW, Lawrence, Mass. Filed Dec. 17, 1924. Serial No. 756,467. 6 Claims. (Cl. 139—223.)

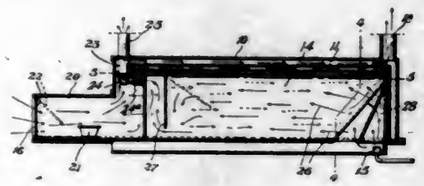


6. The combination in a shuttle having an eye, a bobbin chamber, and a threading chamber in continuation thereof which connects with the eye a delivery passage in forward extension thereof; of a shuttle block positioned in the threading chamber and having a thread directing guide plate at the top which extends from a position level with the top of the shuttle, downward and across a plane extending vertically through the axis of a bobbin, when in position in the shuttle, said block having a front hook in said delivery passage in forward extension of its top which curves downward in a direction away from the shuttle eye, and thence downward towards the shuttle eye.

1,635,729. FRESH-AIR HEATER. WILLIAM ANDREW SPARKS, Edmonton, Alberta, Canada. Filed Oct. 25, 1926. Serial No. 144,092. 2 Claims. (Cl. 126—116.)

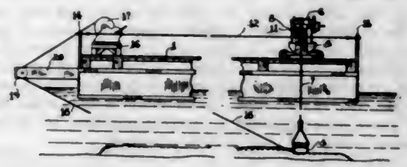
1. A fresh air heater comprising in combination, an outer casing, an inner casing spaced therefrom and adapted to provide a combustion chamber communicating with

the inner casing, a header communicating with the opposite end of said casing, a plurality of substantially V-shaped flues communicating with the combustion chamber and the header, said flues being spaced from one another to form air passageways, air intake and discharge means communicating with said passageways, means for



heating the combustion chamber and a discharge flue communicating with the header whereby the cold air passes through the passageways to be preheated and then discharged and whereby the heated gases pass through the flues to radiate heat to the air passageways and thence to the discharge flue through the header.

1,635,730. APPARATUS FOR LOCATING, PLACING, AND LEVELING BERTH SEATS FOR CONCRETE CRIBS. JESSE H. TROMANHAUSER, Toronto, Ontario, Canada. Filed Feb. 25, 1926. Serial No. 90,510. 4 Claims. (Cl. 61—64.)



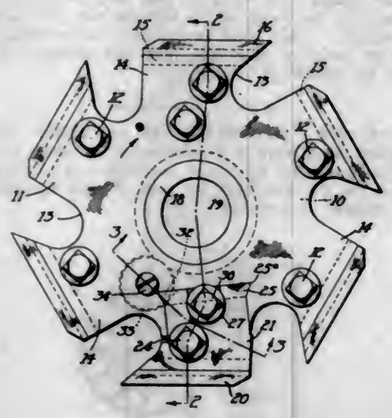
3. In apparatus of the character described, the combination of a floating support adapted to be definitely positioned over an area to be leveled; a travelling carriage movable horizontally on said support; leveling means suspended from said carriage below said support; and means for moving said leveling means to retain it in substantially the same vertical plane as the carriage as the latter is moved.

1,635,731. MAT AND METHOD OF MAKING THE SAME. WILLIAM M. WATTIE, Worcester, Mass. Filed May 25, 1923. Serial No. 641,503. 4 Claims. (Cl. 15—216.)



4. The method of forming mats which consists in providing a framework having perforations therein, coiling a cord, separating the coils to form separate loops and passing the loops through the perforations of the framework.

1,635,732. MOLDING CUTTER. JOHN J. WITT, Winchendon, Mass., assignor to Goodspeed Machine Company, Winchendon, Mass., a Corporation of Massachusetts. Filed Feb. 24, 1925. Serial No. 11,034. 5 Claims. (Cl. 144—90.)



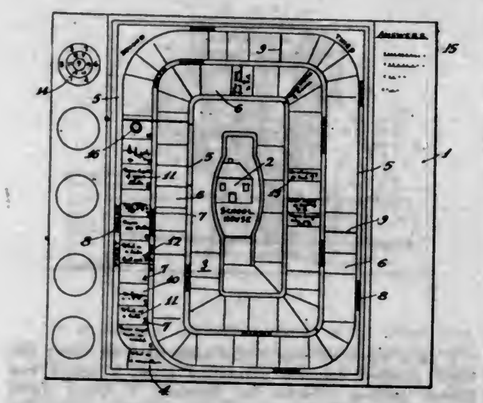
1. A molding cutter comprising a head, a plurality of cutters mounted thereon, and means to adjust one of said cutters axially of said head, said means comprising a guide-way in the head, a slide movable in said guideway, means to clamp a cutter in said slide, and means adjacent said guideway and coacting with the head, to secure said slide in adjusted axial position in said head.

1,635,733. SHINGLE AND METHOD OF LAYING THE SAME. GEORGE R. WYMAN, Walpole, Mass., assignor to Bird & Son, Incorporated, Walpole, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1924. Serial No. 739,392. 3 Claims. (Cl. 108—8.)



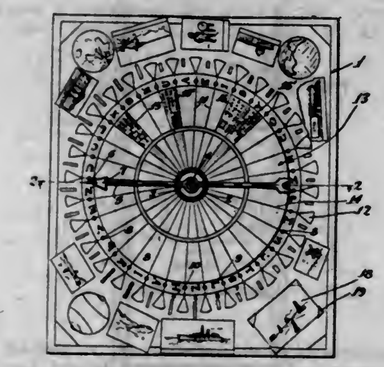
1. As a new article of manufacture, a flexible composition shingle rectangular in outline and of the same thickness throughout, having at one corner thereof a tongue formed as an integral portion of the body, said tongue having parallel side edges, the bend of the tongue, when said tongue is folded beneath the body, standing in substantial alignment with the butt edge of the shingle extending outwardly to each side of the tongue.

1,635,734. EDUCATIONAL GAME. GEORGE W. ZIEGLER, Long Beach, Calif. Filed June 9, 1926. Serial No. 114,647. 11 Claims. (Cl. 273—134.)



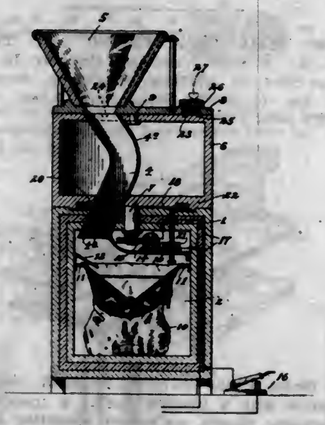
1. An educational game having a board with a continuous path of considerable length indicated thereon, with a goal, the path having a series of stations, some having questions, others having pictures, and others having statements of disciplinary matter, a series of playing pieces, and a series of playing implements in the form of cards having questions and indications of the manner of moving the playing pieces.

1,635,735. EDUCATIONAL GAME. GEORGE W. ZIEGLER, Long Beach, Calif. Filed June 9, 1926. Serial No. 114,648. 10 Claims. (Cl. 273—134.)



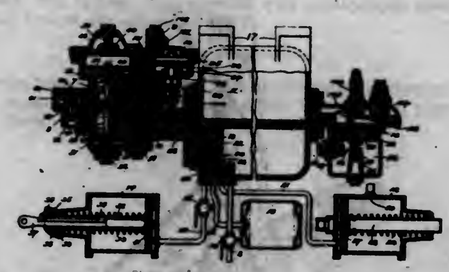
1. A game comprising in combination, a board having a rotating pointer, a disc on the board having a series of radial segments with words thereon, numerals opposite the segments indicating a number of words to be spelled, the disc having also a series of printed instructions or problems with numerals associated therewith to indicate the number of problems or the like to be solved in accordance with the position of the pointer, a second board having a path leading to the goal, the path having a series of stations, said stations being numbered, and playing implements to be advanced on said stations in accordance with the correct spelling, the problem, and position of the pointer on the first board.

1,635,736. DEPOSIT SAFE. CLARE W. BANTA, San Francisco, Calif. Filed Nov. 27, 1925. Serial No. 71,604. 4 Claims. (Cl. 109—1.)



3. A portable deposit receiving apparatus comprising the combination with a safe, of a chute leading thereinto, means for quickly closing the chute in a manner protecting the contents of the safe, an electric motor for operating said means, a switch for the motor, means within the safe for locking the apparatus in the closed chute position, and means cooperating with the last named means for breaking the motor circuit when the locking means functions to lock.

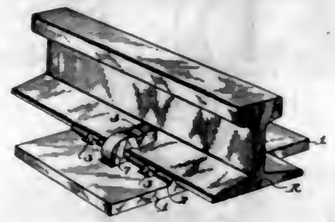
1,635,737. LIGHT AND LOAD FREIGHT BRAKE. HENRY F. BICKEL, Plainfield, N. J., assignor to The New York Air Brake Company, a Corporation of New Jersey. Filed Mar. 12, 1926. Serial No. 94,809. 12 Claims. (Cl. 303—28.)



5. In a light and load brake the combination of a service brake cylinder; a load brake cylinder normally disconnected from the brake rigging; a latch mechanism operable by the actuation of the load brake cylinder to connect said cylinder operatively with the brake rigging; a valve operable at will to permit or prevent the admission of air to the load brake cylinder; an auxiliary reservoir; a load reservoir; a triple valve controlling the admission of air to the service brake cylinder from the auxiliary reservoir and the exhaust of air from both cylinders; a load cylinder application valve mechanism arranged to be urged in an opening direction by the rise of service brake cylinder pressure, and in a closing direction by load brake cylinder pressure, said

valve mechanism controlling the flow of load reservoir air in the load brake cylinder; and means rendered effective by the triple valve in full service position to connect said auxiliary and load reservoirs with each other.

1,635,738. RAIL ANTICREEPING AND TIE-PLATE DEVICE. EDWARD J. BOLAND, Freeport, Ill., assignor of one-third to Matthias L. Conley, Freeport, Ill. Filed Apr. 19, 1926. Serial No. 103,140. 8 Claims. (Cl. 238—304.)



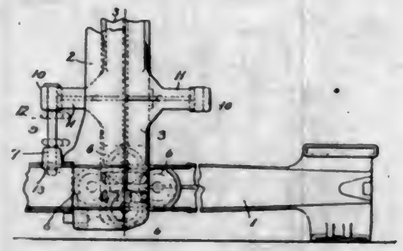
1. A device of the character described, comprising in combination with a tie-plate having a transversely disposed opening therein, an anchor consisting of a single piece of spring metal bent upon itself intermediately of its ends whereby to effect snug embracing engagement with portions of the opposite sides of a rail base, the upper side of said piece having an offset portion formed with a straight surface intimately contacting throughout its length with the adjacent face of the rail base and the lower side of said piece being formed with a straight inner face adapted to engage with the lower face of said rail base and transversely extend thereover to a point beyond the middle thereof, said lower side of the piece being snugly received in said transversely disposed opening in the tie-plate.

1,635,739. MARKING DEVICE FOR ROPE. ELLIS W. BREWSTER, Plymouth, Mass., assignor to Plymouth Cordage Company, Plymouth, Mass., a Corporation of Massachusetts. Filed July 29, 1926. Serial No. 125,677. 6 Claims. (Cl. 40—2.)



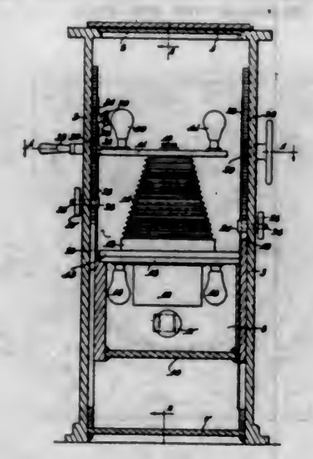
1. The combination, with a rope, of means associating information therewith comprising a thin, flexible tag, secured to a yarn within a strand of the rope and wholly located at and within the circumferential limits of said strand.

1,635,740. CAR TRUCK. SAMUEL P. BUSH, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed July 20, 1926. Serial No. 123,720. 6 Claims. (Cl. 105—182.)



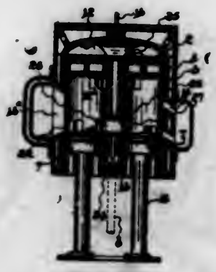
1. In a car truck side frame comprising an upper and lower member, columns connecting them, a spring and bolster opening between the columns, a spring plank supported by the lower member, and means for supporting the brake gear partially by the spring plank and partially by the side frame direct.

1,635,741. PHOTOGRAPHIC ENLARGING, REDUCING, REPRODUCING, AND PRINTING APPARATUS. THOMAS COCA CARPIO, San Sebastian, Spain. Filed Oct. 4, 1924, Serial No. 741,623, and in Great Britain Nov. 29, 1923. 2 Claims. (Cl. 88—24.)



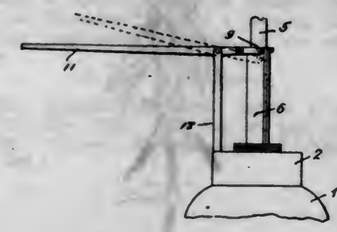
1. Photographic apparatus comprising a cabinet body, a lens support located therein, a light box located therein below the lens support, said box being provided at its top side with an opening, a light shield depending from the top side of the box and surrounding said opening, light bulbs located in the box above the lower edge of the shield and a projector light bulb movably mounted in the lower portion of the box and adapted to be moved from a position below the edge of the opening and laterally of the walls of the shield to a position underneath the shield and in alinement with said opening.

1,635,742. INTERNAL-COMBUSTION ENGINE. ADAM CRAIGON, Toronto, Ontario, Canada. Filed July 2, 1926. Serial No. 120,185. 5 Claims. (Cl. 123—53.)



1. In an internal combustion engine of the Diesel type, the combination of two cylinders arranged side by side; a trunk piston fitted in each cylinder; a stationary piston fitted in the sleeve of each trunk piston, whereby two combustion chambers are formed, one between the trunk piston and the end of the cylinder and one between the inside of the head of the trunk piston and the stationary piston; a passage connecting the outer ends of the cylinders; a passage connecting the cylinders in substantial alinement with the upper ends of the stationary pistons; an inlet port in one cylinder and an exhaust port in the other cylinder in substantial alinement with the last mentioned passage adapted to be controlled by the sleeves of the trunk piston; ports in the trunks of the pistons adapted to form a communication between the interiors of said trunks and the last mentioned passage when the inlet and exhaust ports are open to said interiors; and means associated with each of the passages aforesaid for injecting fuel.

1,635,743. PISTON-PACKING-REMOVING APPLIANCE. MAYON S. DAVENPORT, Los Angeles, Calif. Filed Jan. 9, 1926. Serial No. 80,802. 2 Claims. (Cl. 81—3.)



1. Packing pulling means comprising an endwise movable and turnable element, means on said element for the connection thereof to packing on turning movement of the element, opposite lugs on the endwise movable and turnable element, and means associated with said element for the said endwise movement of the same; the said means for moving said element endwise being in the form of a lever having means to engage said lugs, and the said lever being equipped with a fulcrum support.

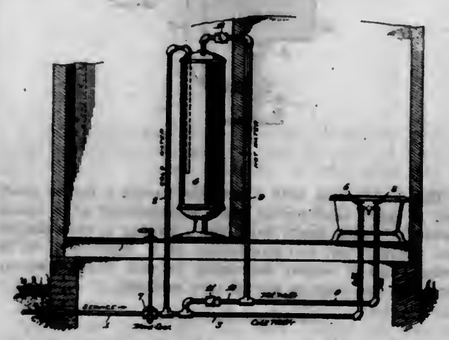
1,635,744. FACIAL MASSAGE DEVICE. WILLIAM DUNCAN, Los Angeles, Calif. Filed Aug. 20, 1924. Serial No. 733,170. 5 Claims. (Cl. 128—57.)

1. A massaging device comprising a handle, a fork pivotally mounted upon said handle, a resilient rotating element rotatable within said fork, said rotating element being pivoted upon said handle, resilient means adapted to urge said fork into a normal predetermined position



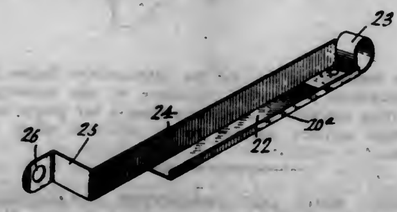
with respect to said handle, and an additional massaging element mounted upon the fork remote from the axis of rotation of the fork.

1,635,745. PLUMBING SYSTEM. WINFIELD HUNTER ELLIS, Little Rock, Ark. Filed Mar. 11, 1927. Serial No. 174,598. 2 Claims. (Cl. 137—79.)



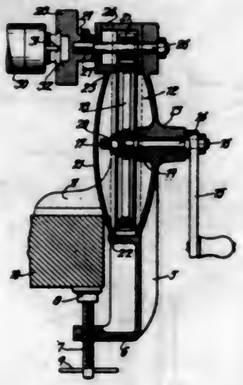
2. In a plumbing system, a service pipe, a boiler and a cold-water pipe connected to the service-pipe, a single-way bleed-cock in the service pipe ahead of said boiler connection, a cold-water faucet and a cold-water pipe connecting the same to the service pipe inside of the bleed-cock, a hot-water faucet and a hot-water pipe connecting the same to the hot-water outlet of the boiler, and a by-pass pipe connecting the hot-water pipe to one of the cold-water pipes at a point inside of the bleed-cock, this by-pass being provided with a check-valve opening toward the cold-water side.

1,635,746. RAIN GUARD FOR AUTOMOBILE HOODS. MOSES P. FISHBURN, Carthage, Mo. Filed Dec. 4, 1924. Serial No. 753,967. 1 Claim. (Cl. 180—69.)



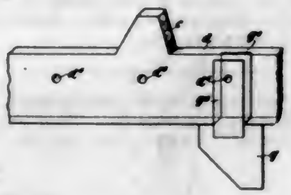
A rain guard for automobile hoods including a body portion embodying a trough having a loop at one end, said loop adapted to accommodate the rod of an automobile hood, said trough having an apertured flange at its opposite end for connection with the radiator disposed adjacent to the forward end of the hood, said trough being constructed from a single sheet of metal with the bottom extended at one end to form the loop and its side extended at the other end to form the attaching flange.

1,635,747. SPRING WINDING MACHINE. FREDERICK S. FOLGER, Flushing, and HENRY W. ALTMAN, College Point, N. Y. Filed Nov. 20, 1925. Serial No. 70,852. 1 Claim. (Cl. 81—3.)



The combination with a machine having a driven shaft and a speed multiplying gear arrangement of a chuck secured to said shaft, said chuck having a cross-shaped slot therein for accommodation of a shaft end to be wound, and a conical depression in said chuck whereby the shaft end may be guided into said slot.

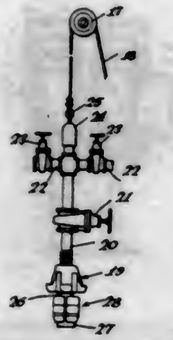
1,635,748. COMBINATION BAR FOR THE INTERMEDIATE FRAMES IN JUSTIFYING-STRIP-PERFORATING MACHINES OF THE MONOTYPE TYPESETTING-MACHINE SYSTEM. AUGUST GROOTS, Dusseldorf, Germany. Filed Sept. 18, 1926, Serial No. 136,328, and in Germany June 10, 1925. 7 Claims. (Cl. 164—112.)



1. A combination bar for the intermediate frames in justifying-strip perforating machines of the monotype typesetting machine system, comprising a bar proper and individual strikers adapted to be attached singly to said bar.

1,635,749. BLOW-OUT-PREVENTER ATTACHMENT FOR CASING HEADS. CHESTER C. HOSMER, Huntington Beach, Calif. Filed Jan. 5, 1926. Serial No. 79,327. 9 Claims. (Cl. 166—15.)

1. The combination of a casing head having a tapered packing seat, a tubular spider mounted on said casing head, a plurality of substantially vertical closure cap locking bars provided with heads and pivoted on said spider, springs tending to move said locking bars inwardly, closure cap guiding means integral with said spider disposed between said locking bars and projecting beyond the top thereof, said guiding means being provided with inclined upper faces, a tubular closure cap provided with lugs to receive the heads of said locking bars in interlocking relation, an expansible packer tapered



at its lower end carried at the lower end of said closure cap, and means on said closure cap to expand the packer against the inner wall of said casing.

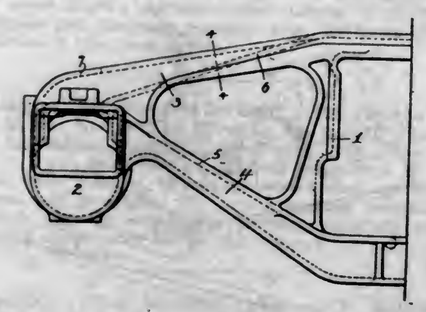
1,635,750. LABEL FOR ROPE. FRED A. JENKS, Plymouth, Mass., assignor to Plymouth Cordage Company, North Plymouth, Mass., a Corporation of Massachusetts. Filed Feb. 8, 1927. Serial No. 166,782. 8 Claims. (Cl. 40—2.)



1. The combination, with a rope, of a label therefor comprising a thin, flexible sheet on a yarn of the rope structure; and a filament wound about said yarn with its convolutions passing over said label and binding it to the said yarn.

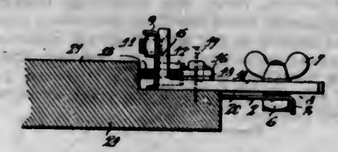
1,635,751. CAST CAR-TRUCK SIDE FRAME. GEORGE T. JOHNSON and HARRY W. STEETZBACH, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Mar. 25, 1926. Serial No. 97,341. 3 Claims. (Cl. 105—205.)

1. A cast side frame for car trucks having a column, a journal box, a compression member, and a tension member, the plate of the tension member being at the top of the same and united with the journal box at the inner corner thereof and the plate of the compression member extending obliquely with respect to its sides from



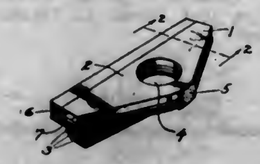
a point over the column to the journal box and united with the box approximately at the junction of the tension member therewith.

1,635,752. BUTT GAUGE. IVOR JOHNSON, Vancouver, British Columbia, Canada. Filed Dec. 11, 1925. Serial No. 74,790. 6 Claims. (Cl. 33—197.)



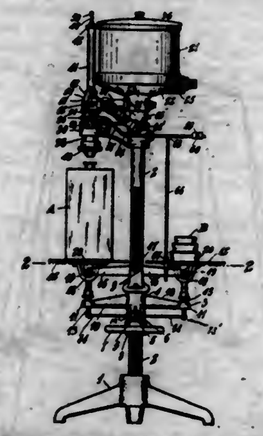
1. A butt gauge comprising in combination means for defining the length, depth and breadth of a recess to be cut, and means for removably securing the gauge upon the stock to be recessed, said last named means comprising at least one apertured member having provision for frictionally gripping a securing nail while permitting longitudinal movement of the nail therethrough.

1,635,753. LAMINATED SHIM. LLOYD A. JOHNSON, San Francisco, Calif. Filed July 31, 1924, Serial No. 729,320. Renewed May 23, 1927. 5 Claims. (Cl. 308—244.)



1. As an article of manufacture, a laminated shim comprising a plurality of relatively thin sheets of metal superimposed on each other, means lightly and detachably securing the sheets together, the front edge of one of the sheets projecting outwardly of the other sheets, and a block of soft metal secured thereto and extending along the front edge of the shim.

1,635,754. FILLING MACHINE. KARL KIEFER, Cincinnati, Ohio. Filed Dec. 18, 1922. Serial No. 607,756. 9 Claims. (Cl. 249—58.)



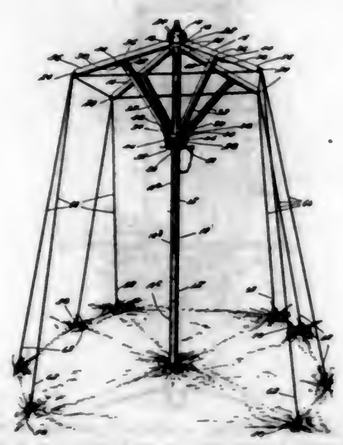
1. In a filling machine, a reservoir having an inlet, a valve controlling said inlet to said reservoir, a float in said reservoir, a toggle connected to said valve and to said float, a spout leading from said reservoir, a weighing scale extending under said spout to hold a container thereunder, and means whereby said scale controls outlet from said spout.

1,635,755. UPRIGHT PIANO. WALTER LANE, Holland, Mich., assignor to Bush & Lane Piano Company, Holland, Mich. Filed Dec. 29, 1924. Serial No. 758,701. 5 Claims. (Cl. 84—184.)



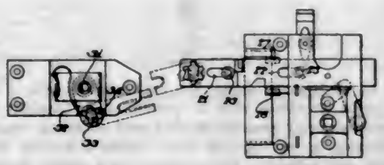
3. In an upright piano, the combination with a sounding board provided with a bridge, of an upright string plate operatively associated with said sounding board and comprising a tuning pin web recessed at the bottom thereof and provided with a string rest above the recess, a bridge bar on said string plate disposed in an opposed relation to said recess and adjacent to said string rest, strings disposed over said string rest and under said bridge bar, the edges of the string rest and bridge bar being disposed so that the strings are held under tension against both and hammers arranged to strike the strings from the bridge bar side thereof, the face of said bridge bar adjacent the hammers being inclined from its string engaging edge permitting the hammers to strike the strings in close proximity to said bridge bar.

1,635,756. TENT. ALICE F. LEACH, Brookline, Mass. Filed June 20, 1925. Serial No. 38,524. 5 Claims. (Cl. 135—2.)



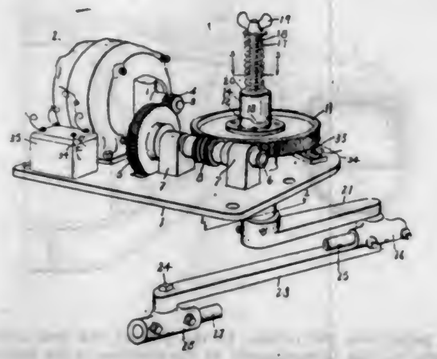
1. A collapsible tent, comprising a frame, comprising a centre pole adapted to be inserted in the ground composed of detachable sections, and having its top radially enlarged, ribs having inclined inner ends and eyes mounted on the outer ends thereof, hinges joining the inclined inner ends of said ribs to the side of the enlarged pole top, a runner element having a flat upper side slidable on said pole, brace arms having flat lower ends and inclined upper ends, hinges joining the inclined upper ends of said brace arms to the under side of said ribs, hinges joining the flat lower ends of said brace arms to the flat upper side of said runner and means to support said runner in raised position on said pole, guy ropes each threaded through adjacent rib eyes and having their ends secured to tent pegs on the same side of the tent opposite their respective rib ends spaced at a greater radial distance from the pole than the open rib ends and a tent canopy mounted on said frame having the corners thereof secured to the ground by tent pegs and the side walls thereof supported by said inclined guy ropes.

1,635,757. LATCH CONSTRUCTION. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 2, 1926. Serial No. 145,733. 5 Claims. (Cl. 292—169.)



1. A latch mechanism for an automobile door adapted to have a window of substantially the full width of the door slidably arranged therein, comprising inside and outside latch operating devices carried upon opposite sides of the door, and an interlocking member between said devices extending transversely of the door in a two part bearing member and lying substantially in the plane of the bight portion of the latch casing.

1,635,758. DOOR-OPERATING MECHANISM. FRANK R. LEMON, Vicksburg, Mich., assignor of one-third to Henry B. Crawford and Lulu Lemon Crawford. Filed May 16, 1925. Serial No. 30,823. 3 Claims. (Cl. 268—63.)

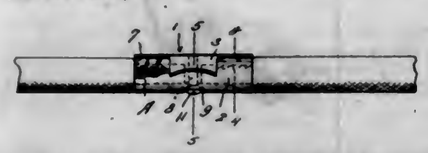


3. In a door operating mechanism, the combination of a motor, a driving gear operatively connected to the motor, a crank shaft, a driven gear coacting with said driving gear and rotatably mounted on said crank shaft, a driving clutch connecting said driven gear to said crank shaft, said clutch being adapted to yield when the load on the crank safe exceeds a predetermined amount, a double throw crank on said crank shaft, door connecting pitmen on the throws of said crank, a motor control means comprising a switch member, and a pair of switch actuating members on said driven gear disposed to stop the motor with the crank arms in a predetermined position.

1,635,759. MANUFACTURE OF WHITE LEAD. GEORGE FREEMAN LLOYD, Brighton, and FREDERICK HARPER CAMPBELL, Melbourne, Victoria, Australia, assignors to Commonwealth White Lead and Paints Proprietary Limited, Melbourne, Australia. Filed Aug. 8, 1924, Serial No. 730,937, and in Australia Aug. 10, 1923. 3 Claims. (Cl. 23—71.)

2. In the manufacture of white lead, the step which comprises reacting upon 112 parts of lead monoxide with a sulphating reagent equivalent to 10 to 16 parts of concentrated sulphuric acid in the presence of a small quantity of an acid capable of forming water soluble lead salt, and water in the proportion of not less than one-half and not more than two parts of water for each part of lead monoxide treated.

1,635,760. CONNECTER FOR ELECTRICAL CONDUCTORS. CHARLES H. LUNDY, Wickham, W. Va. Filed May 22, 1924. Serial No. 715,152. 1 Claim. (Cl. 173—263.)



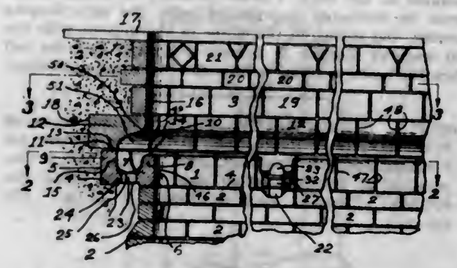
A connecter for holding two electrical conductors in end to end relation, comprising a pair of cooperating interfitting sections, one of said sections being semi-cylindrical in formation so as to provide longitudinally extending slot, the edges of which are provided with notches, the other section being arcuate in cross section and formed to fit in said slot and to form a substantial cylinder therewith, and having side extensions adapted to

be received in said notches, a pair of series of teeth formed on the inner face of the last mentioned section, the teeth of the pair of series being pitched inwardly, inner teeth of the pair being spaced from each other, and a screw piercing the intermediate portion of the first section and threadedly engaged with the intermediate portion of the second section.

1,635,761. PROCESS OF DYEING SILK. EUGENE L. MAUPAI, New York, N. Y. Filed Feb. 1, 1926. Serial No. 85,380. 8 Claims. (Cl. 8—5.)

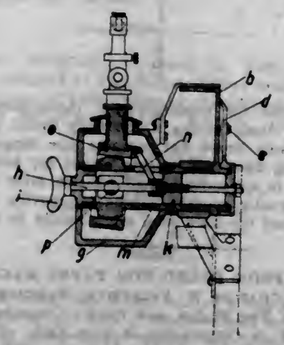
1. A step in the process of dyeing silk with a dye of the class including chromogene, autochrome, and indigosol, and a metallic salt having oxidizing properties, which comprises redeveloping previously dyed silk in a highly concentrated boiling soap solution.

1,635,762. SCUM GUTTER. MONTROSE P. MCARDLE, Webster Groves, Mo., assignor to Hydraulic-Press Brick Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 31, 1925. Serial No. 66,004. 4 Claims. (Cl. 4—172.)



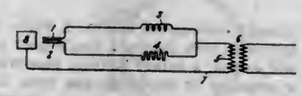
1. In a structure of the class described, the combination of a block having front and rear upwardly projecting flanges to form an intermediate gutter; and a second block having its bottom face supported on the top face of the rear flange, and having a front portion overhanging the said gutter and forming a continuation of the rear face of said gutter, the rear portion thereof projecting beyond the rear face of the flanged block to balance the weight of the overhanging front portion.

1,635,763. GUN SIGHTING DEVICE. CLEMENS OTTO, Unterluss, Germany, assignor to the Firm Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Apr. 21, 1925, Serial No. 24,805, and in Germany Aug. 14, 1924. 3 Claims. (Cl. 33—48.)



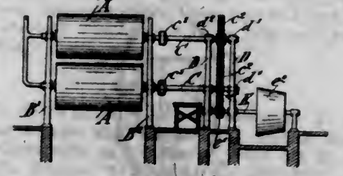
3. A sighting device for guns including a barrel and trunnions therefor, comprising a telescope, a pin the axis of which is parallel to the axis of the said barrel, a tangent scale rotatable about an axis crossing the axis of the said pin at right angles thereto, and adjusting mechanism for compensating the sighting device for an inclined position of said trunnions, said adjusting mechanism comprising a screw-threaded spindle the axis of which coincides with the axis of the tangent scale, a bush coaxial with said spindle, a nut engaging with said spindle and constrained to slide longitudinally along said bush, a carrier for said telescope mounted on said pin, a ring supporting said telescope and inclinable with said carrier and a link pivotally connected at one end to said carrier and at the other end to said nut.

1,635,764. ARC WELDING. EARL B. PAXTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 5, 1927. Serial No. 166,214. 5 Claims. (Cl. 219—8.)



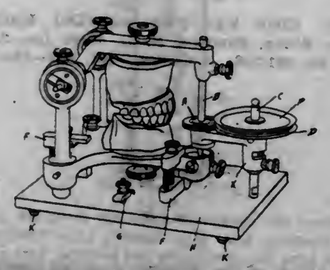
1. The method of welding with single phase alternating current which comprises splitting the phase and maintaining an arc with the dephased currents thus produced.

1,635,765. DRIVE OF DRYING CYLINDERS OF PAPER MACHINES. PAUL PRIEM, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a Corporation of New York. Filed July 17, 1924, Serial No. 726,474, and in Germany Sept. 10, 1923. 3 Claims. (Cl. 34—48.)



1. A drive of drying cylinders of paper machines, the essential parts of which are supported by bearings located on a pedestal which stands isolated from the frame of the paper machine itself, each of the drying cylinders being connected with the adjacent part of the drive by means of a flexible coupling.

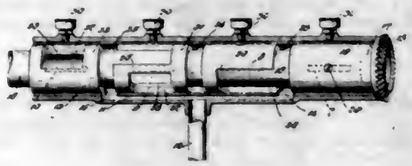
1,635,766. DENTAL MACHINERY. CHARLES A. PRIEST, Marion, Ind. Filed Oct. 1, 1926. Serial No. 138,912. 6 Claims. (Cl. 32—1.)



1. A device of the class described having a set of gears mounted on suitable block, an eccentric bushing mounted eccentrically within the driven gear, a set screw holding

said eccentric bushing in any desired position relative to said gear, a pulley directly connected to the driving gear substantially as described.

1,635,767. ROTARY VALVE. GEORGE F. RATHBUN, Pontiac, Mich. Filed Dec. 29, 1924. Serial No. 758,642. 4 Claims. (Cl. 123—59.)



1. In an internal combustion engine, a valve casing, a plurality of cylinders each having a single port communicating with said casing, a rotary exhaust pipe within said casing, and a plurality of valves in the form of sleeves adjustably fitted on said pipe and associated with each of said ports, said sleeves being spaced endwise on said pipe whereby inlet passages are provided therebetween, said sleeves having inlet ports communicating with said passages, and said sleeves and said pipe having coinciding exhaust ports therein.

1,635,768. FAN. DOMINICK RODGERS, Pittsburgh, Pa. Filed May 17, 1924. Serial No. 714,174. 6 Claims. (Cl. 230—1.)



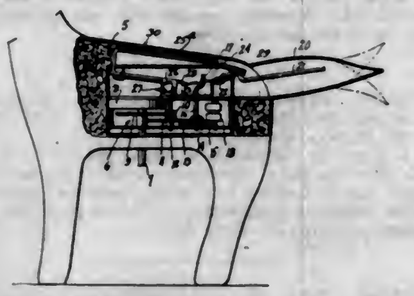
1. In a device of the character described, a plurality of fan blades, each having a number of vanes provided with a flat and a flaring portion, and said vanes being angularly disposed with reference to the planes parallel with, and perpendicular to, the axis of rotation.

1,635,769. CHIP FAN FOR ROUTING MACHINES. VERNON ROYLE, Paterson, N. J. Filed Jan. 25, 1922. Serial No. 531,798. 6 Claims. (Cl. 170—159.)



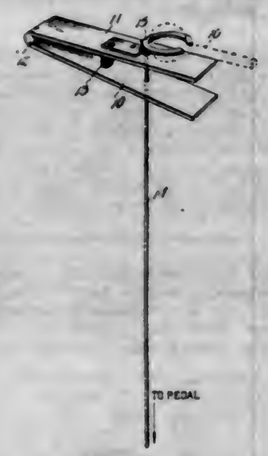
1. An article of the character described comprising, a collar, a lateral flange developed from one edge of the collar, and blades projecting from the flange, said blades having their outer edges bent downwardly.

1,635,770. TAIL-WAGGING TOY. OTTO R. STARKE, New York, N. Y., assignor to The Ferdinand Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1927. Serial No. 167,119. 3 Claims. (Cl. 46—40.)



1. In a toy of the nature described, a body a tail movably connected to the body, a motor in the body, a tail wagging member extending into the tail and pivotally mounted in the body, a brake pivotally mounted on the motor in frictional engagement with the tail wagging member, and means on the motor in engagement with the tail wagging member to actuate same and wag the tail when the brake is released from the tail wagging member.

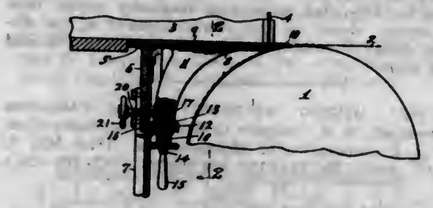
1,635,771. THERMOMETER TUBE. FRANK RANSOME SUNDERLIN, Terre Haute, Ind., assignor to Central Advertising Specialty Company, Terre Haute, Ind., a Corporation of Indiana. Filed Aug. 9, 1923, Serial No. 656,600. Renewed Dec. 9, 1926. 1 Claim. (Cl. 49—14.)



An apparatus for manufacturing thermometer tubes comprising a clamp having a relatively broad flat fixed jaw, a relatively broad flat movable jaw hingedly supported by said fixed jaw, spring means for holding the movable jaw in normally spaced relation from the fixed jaw, and manually operable means for moving the movable jaw toward the fixed jaw, substantially as set forth.

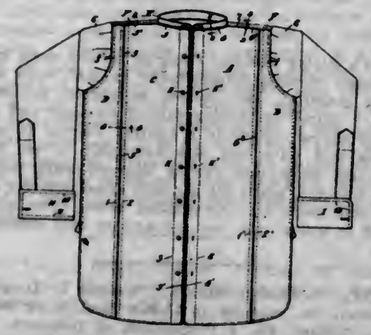
1,635,772. APRON BOARD FOR PAPER-MAKING MACHINES. CHARLES W. VALENTINE, Watertown, N. Y., assignor to The Bagley and Sewall Company, Watertown, N. Y., a Corporation of New York. Filed Jan. 22, 1926. Serial No. 82,900. 7 Claims. (Cl. 92—44.)

1. The combination in a Fourdrinier paper making machine, of the breast roll and the making wire, an apron board having a rigid portion and a loose portion, and means for locking the loose portion in adjusted position over the breast roll, the loose portion being of sufficient



looseness that when the locking devices are released it will tend to align itself with the breast roll widthwise thereof.

1,635,773. SHIRT. LEWIS T. WILCOX and FRANCES W. WILCOX, Peekskill, N. Y.; said Lewis T. Wilcox assignor to Wilcox Patents Corporation, Peekskill, N. Y., a Corporation of New York. Filed June 29, 1922. Serial No. 571,724. 2 Claims. (Cl. 2—119.)



1. An open front negligee shirt having a body, neckband, yoke and sleeves, and in each front portion thereof a member comprising a front section and a side section, the said side section being permanently connected to a part of the yoke, a portion of a sleeve and a portion of the body and extending forwardly of the axillar line of the garment, the said front section extending the entire length of the garment and connected at its rearward edge to the forward edge of the said side section by a line of stitching along which it is separable from the said side section so as to be shifted to a different longitudinal position and to be reconnected to the said side section by a similar line of stitching to eliminate a worn portion at the upper end thereof.

1,635,774. BUTTON. WALTER T. ABEL, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 5, 1927. Serial No. 159,108. 1 Claim. (Cl. 24—95.)



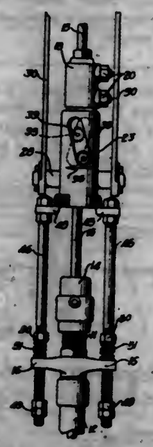
A button comprising a shell having a hub and a peripheral rim above said hub, a frusto-conical separate chamber wedged downwardly within the hub, the bottom wall of the chamber having an opening and the portions about the opening extending upwardly into the chamber, the bottom hub being pierced and the said opening in alignment with the opening of the chamber, a tack adapted to be forced through said openings, integral means in the chamber and in alignment with said openings for deflecting the prong of the tack to cause the same to curl between the side wall of the chamber and the fractured metal portions about the opening in the bottom of the chamber.

1,635,775. KEY-VALVE PAD FOR MUSICAL INSTRUMENTS. PAUL ARTHUR, Elkhorn, Wis., assignor to Frank Holton & Co., Elkhorn, Wis., a Corporation of Illinois. Filed Sept. 24, 1921. Serial No. 503,074. 2 Claims. (Cl. 84—385.)



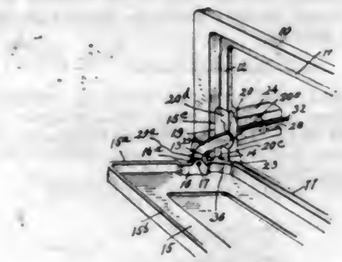
2. In combination, a key plate having a relatively short peripheral flange, an insertable pad cup for said key plate having a corresponding peripheral flange with the extremity thereof provided with an outwardly extending flange below the edge of the flange on the key plate, said outwardly extending flange on the pad cup constructed to engage the edge of the flange on the key plate, two spaced rings for the pad cup both concentric with said cup and constructed to terminate below the edge of the peripheral flange of the key plate, a pad in said cup inside the smaller of said rings, and a covering over said pad with edge portions disposed between the rings and other edge portions disposed between the outer ring and the peripheral flange of the cup.

1,635,776. SUCKER-ROD ROTOR. DELBERT F. AXELSON, Los Angeles, Calif., assignor to Axelson Machine Co., a Corporation of California. Filed Oct 31, 1922. Serial No. 598,280. 12 Claims. (Cl. 255—14.)



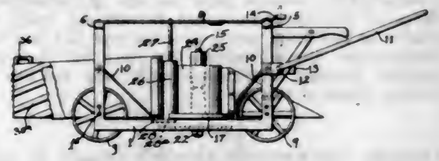
1. In a device of the class described, the combination of: a polished rod; a head upon said polished rod; a yoke upon said polished rod adapted to lift said head; an engager adapted to rotate said head; and a member having sliding engagement with said engager for rotating said engager as said head and said engager reciprocate with relation to said member.

1,635,777. DOOR-OPERATING DEVICE FOR STOVES AND THE LIKE. JEROME C. BOYLAN, Cleveland, Ohio. Filed July 1, 1926. Serial No. 119,797. 13 Claims. (Cl. 126—192.)



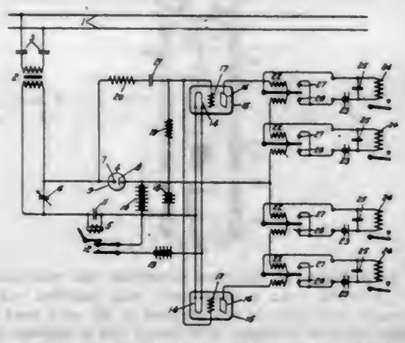
1. In a door operating device for stoves and the like, the combination of a frame provided with an opening therein, a door pivoted to said frame and adapted to close said opening, a member secured to said frame upon the side opposite to said door and provided with a central opening, a spring in said latter opening, and an arm extending through said door opening having one end secured to said door and having the opposite end within said member opening and engaging said spring.

1,635,778. CELERY-BLEACHING-PAPER-PLACING MACHINE. ALBERT P. BUSH, Chula Vista, Calif. Filed June 1, 1926. Serial No. 112,813. 4 Claims. (Cl. 47—3.)



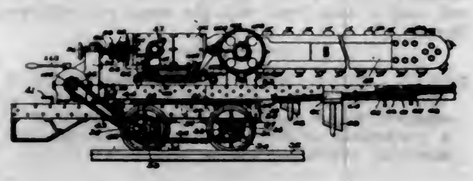
2. In a machine of the class dscribed, revolubie spaced apart paper supporting means, spaced apart guide means positioned behind said paper supporting means, and inclined paper depressing means positioned on the adjacent sides of said guide means.

1,635,779. REMOTE-CONTROL CARRIER-CURRENT SYSTEM. EMMETT F. CARTER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 18, 1925. Serial No. 51,011. 6 Claims. (Cl. 177—352.)



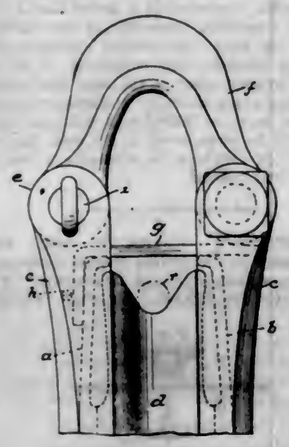
1. In combination, an electron discharge device comprising an anode, cathode, and control element, an output circuit including a tuned relay connected to the discharge device, a control circuit, means in said control circuit responsive to carrier frequency energy for controlling the supply of current to heat the cathode, and means for supplying modulating frequency energy from said control circuit to the control element of the discharge device to thereby control the energization of said tuned relay.

1,635,780. MINING MACHINE. FRANK CARTLIDGE, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 1, 1918. Serial No. 231,915. 124 Claims. (Cl. 262—28.)



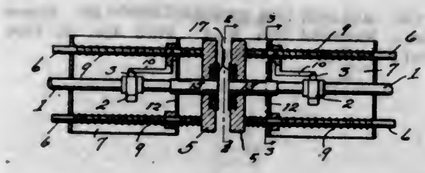
1. In a mining machine, a pair of parallel ways, cutting mechanism movable longitudinally in said ways during cutting operation, said cutting mechanism including a motor, a cutter bar having cutting elements and bodily movable during cutting in a position wherein it extends between said ways and also adjustable to cut a kerf above said ways, said cutting elements being arranged to cut a kerf to admit the bar, and means deriving power from said motor for transmitting power from one end thereof to swing said bar and actuate said cutting elements.

1,635,781. LOGGING BLOCK. WALTER H. DICKINSON, Chester, Pa., assignor to United Steel Block Corporation, Chester, Pa., a Corporation of Delaware. Filed Mar. 5, 1925. Serial No. 13,121. 5 Claims. (Cl. 254—197.)



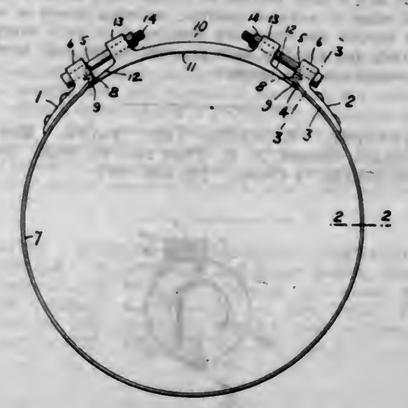
1. A pulley block having a shackle, a sheave rotatably mounted in the housing of the block, and a separable stationary rope guard independent of the block structure adapted to be inserted in the space between the sheave and the shackle while the block is under tension and which is readily removable from operative position while the block is under tension to allow the passage of a coupling through said space.

1,635,782. AUTOMATIC AIR-BRAKE COUPLER. MILTON W. DREIBELBIS, Leesport, Pa. Filed Nov. 3, 1926. Serial No. 145,959. 2 Claims. (Cl. 284—11.)



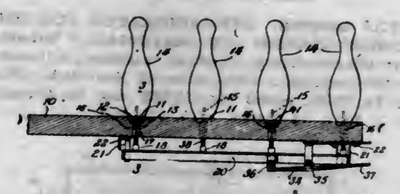
1. In an automatic air line coupler for railway cars, a pair of like devices carried by meeting cars, comprising bumper head plates, a pair of rods carried by each head plate, a perforated face plate for each device, springs surrounding each rod and bearing against said face plates, said bumper head plates being mounted for horizontal movement, a telescopic air line, one portion of which is carried by said perforated plate and is provided with a check valve and the other portion by the head plate, said valve having a valve stem with a tapered projecting end, a valve actuating bar carried by one of said rods and so located with relation to the check valve as to depress the valve stem by contacting with its tapered end and open it, when the movement of the head plate begins, and to hold it open until the head plate has returned to full forward position.

1,635,783. HOSE CLAMP. HOWARD W. GOODALL, Aldan, Pa. Filed Apr. 8, 1926. Serial No. 100,528. 3 Claims. (Cl. 24—19.)



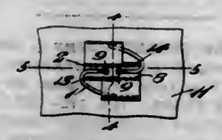
1. A circular hose clamp including terminals having divergent arcuate and inclined inner faces and end notches, a ring section having end hooks engaging said notches and having its end portions conforming to said inclined faces, a saddle having an arcuate inner face and beveled outer faces underlapping the end portions of the ring section which conform to the inclined faces of the terminals, and means for drawing the terminals and the saddle together.

1,635,784. BOWLING ALLEY. JAMES GRIFFITH, New Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 23, 1923. Serial No. 634,104. 3 Claims. (Cl. 273—46.)



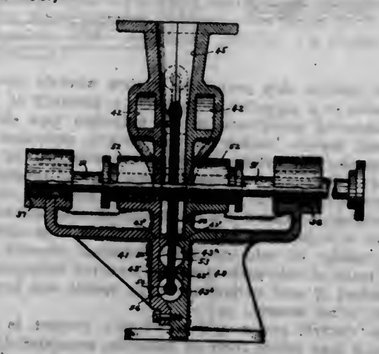
1. The combination of a bowling alley bed having a plurality of openings therein, a frame beneath the bed, a plurality of pins arranged in said openings and having weighted heads resting freely upon the frame, and means for moving the frame to thrust the pins upward in the openings.

1,635,785. BUTTON FASTENER. ANNA L. GROSS, Philadelphia, Pa. Filed Apr. 7, 1926. Serial No. 100,294. 3 Claims. (Cl. 24—103.)



1. A button fastener, comprising a staple and a backing, said backing comprising a piece of sheet material having a central groove provided with apertures to receive the staple and having portions extending laterally in opposite directions from said groove, and having overlapping portions to form loops to receive the free ends of the staple.

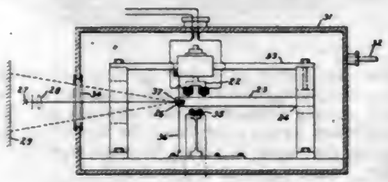
1,635,786. PUMP. ROBERT E. L. HOLMES, Davenport, Iowa, assignor to Westco-Chippewa Pump Company, Davenport, Iowa, a Corporation of Delaware. Filed June 16, 1924. Serial No. 720,253. 23 Claims. (Cl. 103—96.)



1. In a rotary pump, the combination of a rotor, a casing enclosing the rotor and having a suitable peripheral inlet and peripheral outlet, a curved passage formed in said casing and extending more than 270° around the casing from the inlet to the outlet, said inlet and outlet being substantially tangential to the curved passage, and crossing each other without communication, said rotor having a multiplicity of pockets therein disposed to engage liquid in said passage, and a stop adjacent the outlet and arranged to substantially prevent the flow of liquid

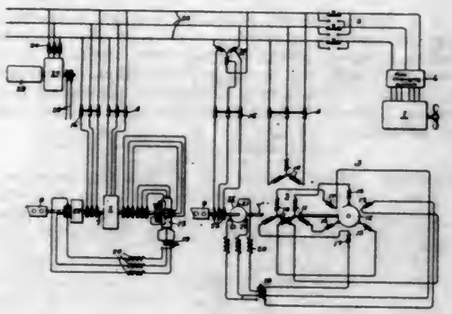
from the outlet portion of the passage toward the inlet portion, the faces of the rotor and the faces of the walls forming said passage being disposed sufficiently close to each other to prevent a substantial flow of liquid radially inwardly.

1,635,787. METHOD AND APPARATUS FOR THE FATIGUE TESTING OF MATERIAL. WILHELM HORT, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 14, 1925, Serial No. 15,653, and in Germany June 7, 1924. 6 Claims. (Cl. 73—56.)



1. The method of testing material for fatigue phenomena which consists in the forced vibrating of a sample of such material under rarefied atmospheric conditions.

1,635,788. POWER SYSTEM. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 30, 1924. Serial No. 735,098. 8 Claims. (Cl. 172—237.)

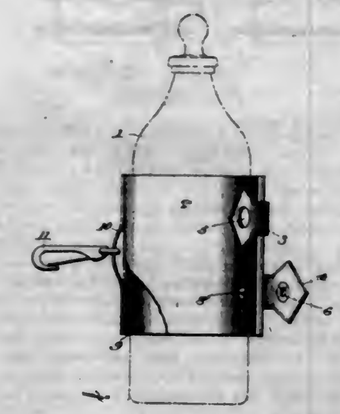


1. An electric ship propulsion system wherein current is supplied to a propeller motor from a plurality of parallel connected generators of the induction type driven by prime movers subject to momentary variations in their speeds and driving torques, characterized by the fact that a secondary winding of each of said generators is interconnected with a regulating machine and means are provided to control the excitation of said regulating machine in accordance with the resistance drop and induced voltage of said generator winding whereby the torque loads of said generators are rendered substantially independent of said variations in the speeds and torques of their prime movers.

3. An electric power system wherein current is supplied to a load device from an induction generator driven by a prime mover subject to variations in its speed and driving torque, characterized by the fact that a regulating machine having an exciting winding and means for controlling its excitation in accordance with the resistance drop and induced voltage of the secondary winding of said generator is interconnected with said secondary winding for rendering the torque load of said generator independent of said variations in the speed and torque of its prime mover.

7. An electric power system comprising an induction generator subject to variations in its speed, means for setting the frequency of said system, a regulating machine, an exciting winding for said regulating machine, means for exciting said winding by a component of current of predetermined value and of slip frequency and by a component of current proportional in value to the voltage induced in the secondary of said generator by variations in the generator speed and means for stabilizing the said exciting current whereby the output of said generator is maintained constant.

1,635,789. HOLDER FOR NURSING BOTTLES. BETTIE HYMAN, Richmond Hill, N. Y. Filed Apr. 23, 1926. Serial No. 104,098. 2 Claims. (Cl. 215—11.)



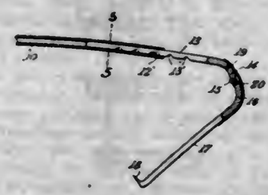
1. A holder for nursing bottles comprising a flat band adapted to wrap around a bottle and engage it by frictional contact, said band including a soft rubber lining portion no longer than the outer circumference of the bottle and a body portion so proportioned as to overlap itself when in wrapped position, fastening means on said body portion for removably securing it in such wrapped position, and a safety hook attached to the body portion for securing it to a support.

1,635,790. RADIATOR VENT VALVE. EDWARD JACOBUS, Newark, N. J. Filed Dec. 31, 1926. Serial No. 158,172. 4 Claims. (Cl. 236—66.)



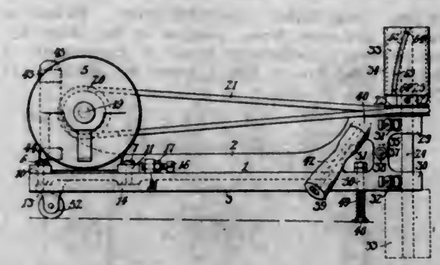
1. A valve of the character described, comprising a casing having an inlet and an outlet, said outlet having an outwardly facing valve seat, a thermostatic element mounted exteriorly on said casing to move toward and from said valve seat upon influx of hot and cold fluid respectively into said casing, and a valve head mounted between said thermostatic element and said valve seat and unconnected with either thereof to close said outlet independently of said thermostatic element upon decrease in pressure in said casing below atmospheric and freely movable independently of said thermostatic element away from said valve seat upon influx of cold fluid under pressure into said casing, said valve head being forcibly actuated into engagement with said valve seat by said thermostatic element upon influx of hot fluid into said casing.

1,635,791. ADJUSTABLE TIE CLASP. FREDERICK JAGEMANN, New York, N. Y. Filed Nov. 10, 1926. Serial No. 147,409. 4 Claims. (Cl. 24—81.)



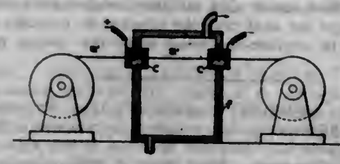
1. A tie clasp comprising an ornamental sleeve, a pair of oppositely disposed bars telescopically engaged in said sleeve, rear members pivoted to said bars, and means on said rear members to grip the rear of a necktie.

1,635,792. GRINDING MECHANISM. CHARLES BERNARD KELLER, Jenkintown, Pa., assignor to Harry C. La Rue, Jenkintown, Pa. Filed July 7, 1925, Serial No. 41,919. Renewed May 26, 1927. 4 Claims. (Cl. 51—176.)



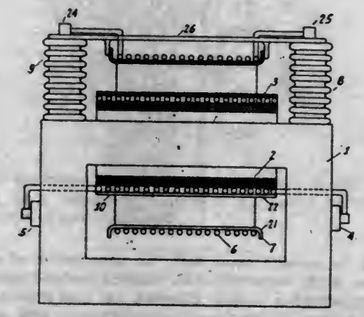
4. In a portable surfacing machine, arranged to interchangeably operate rotary abrasive tools with their axes parallel with and vertical to the floor; the combination with a frame having a journal for the rotary shaft of such a tool, and having different base members, respectively arranged to support said frame with the axis of said journal alternatively parallel with, and perpendicular to, the floor; of means arranged to rotate said tool shaft.

1,635,793. METHOD OF WORKING REFRACTORY METALS. FRITZ KOERP and KURT MOERS, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a Corporation of New York. Filed Apr. 29, 1924, Serial No. 709,878, and in Germany July 14, 1923. 4 Claims. (Cl. 176—132.)



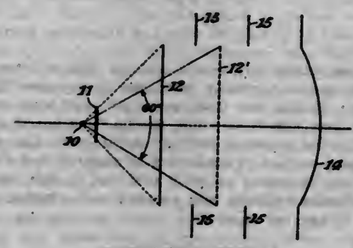
1. The method of treating single crystal refractory metal which consists in repeatedly and successively deforming said metal short of the threshold of recrystallization under conditions favorable to the interlinkage of macrocrystals, thereby incidentally hardening the metal and thereafter heating it to a temperature at which the hardness of said metal is reduced.

1,635,794. TRANSFORMER. WILHELM KUMMERER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Aug. 18, 1925, Serial No. 50,981, and in Germany Sept. 9, 1924. 5 Claims. (Cl. 175—359.)



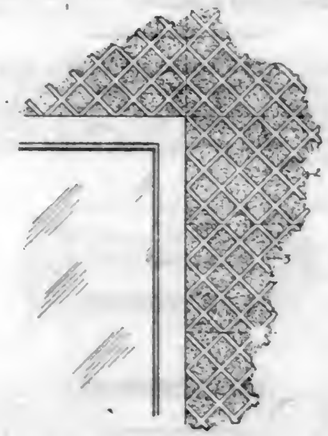
1. A transformer comprising, a magnetic circuit, a tube of insulation surrounding a portion of said circuit, a first winding surrounding said tube of insulation, a first metal tube surrounding said first winding, post insulators resting upon said circuit, a second metal tube supported by said insulators, said second metal tube surrounding and being in spaced relation to said first winding, and a second winding surrounding said second metal tube, said metal tubes being split longitudinally.

1,635,795. METHOD OF AND APPARATUS FOR PROJECTING IMAGES. ADOLPH LINNEBACH, Dresden, Germany, assignor to John H. Kliegl and Anton T. Kliegl, Copartners, doing business as Universal Electric Stage Lighting Company, New York, N. Y. Filed June 8, 1922. Serial No. 566,747. 4 Claims. (Cl. 272—10.)



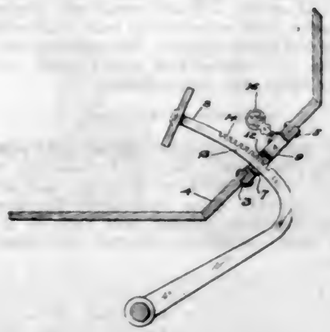
1. The method of forming a background for the stage of an amusement house, which method consists in projecting a substantially undistorted image from a translucent object upon a screen, by projecting a cone of light having an apex angle of more than 60° upon the screen through the object; and substantially preventing the passage, to the side of said object remote from the screen, of rays of light other than those bounded by the cone.

1,635,796. ACOUSTIC WALL CONSTRUCTION. GEORGE P. LITTLE, Cleveland Heights, Ohio. Filed Jan. 6, 1926. Serial No. 79,528. 10 Claims. (Cl. 20—4.)



1. In an acoustic panel unit, the combination of a base member, a rib structure, and sound absorbent material, with interlocking means disposed on the edge of the panel adapted to comprise dove-tail joints with an adjoining panel.

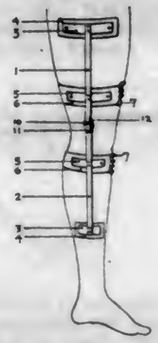
1,635,797. AUTOMOBILE CLUTCH LOCK. FRANK A. MIRANDE, San Leandro, Calif. Filed Sept. 16, 1922. Serial No. 588,695. 2 Claims. (Cl. 70—128.)



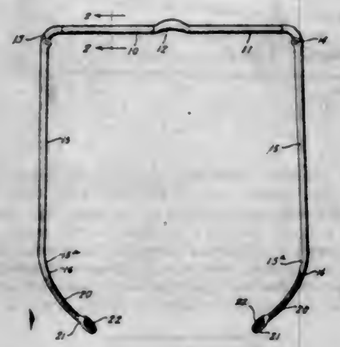
1. In an automobile clutch lock, a clutch lever provided on one side with a plurality of recesses aligned in an arc having the pivot point of said lever as its center, a key lock fixed solely to the floor board of the automobile and provided with an opening through which the recessed portion of said lever is adapted to be reciprocated longitudinally of said arc, and a bolt in said lock positioned opposite said recesses and adapted to be engaged in any one thereof.

1,635,798. ORTHOPEDIC APPLIANCE. HARRY J. MORRIS, Pasadena, Calif. Filed Feb. 9, 1925. Serial No. 7,915. 2 Claims. (Cl. 128—88.)

1. A limb straightener comprising a thigh member and a shin member pivotally connected together to constitute a knee-joint, said knee-joint having a suitable shaft mounted in borings in both thigh and shin members with suitable heads mounted on either end of said shaft, said shaft being long enough and said borings being large enough to permit lateral movement on said shaft of both thigh and shin members when said knee-joint is flexed, forming a right angle; said thigh member extending somewhat below said pivotal connection and ending in a curve and abutting against said shin member and said shin member extending somewhat above said pivotal connection and ending in a curve and abutting against said thigh member causing pressure to be exerted against said shaft heads when said limb straightener is fully or partly extended, thus allowing pivotal action under stress by forcing the bends that form that portion of the pivotal section.



1,635,799. EYEGLASS CONSTRUCTION. EDWIN D. NERNEY, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Jan. 4, 1924. Serial No. 684,338. 11 Claims. (Cl. 88—52.)



5. In construction for eyeglass temple bars, in combination, a main body portion of celluloid, means at the forward end thereof for connection with an eyeglass frame, said main body portion curving downwardly at its rear end, a metallic member extending downwardly, rearwardly and inwardly from said curved rear end of said main body portion, and a flexible celluloid covering over said metallic member, said metallic member comprising a resilient core for said covering adapted to hold the same yieldingly in against the head when the temple bar is in use.

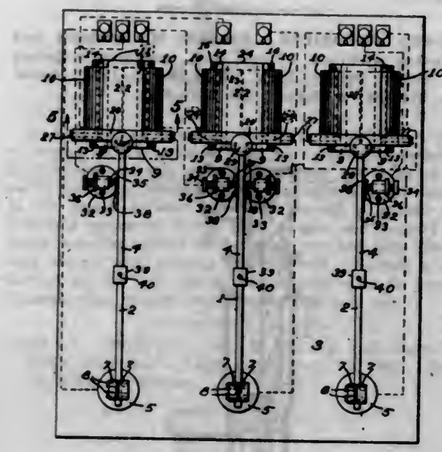
1,635,800. COMPOSITE STRUCTURE. FRANCIS G. OKIE, Philadelphia, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Mar. 4, 1922. Serial No. 541,248. 9 Claims. (Cl. 51—279.)

1. The process for making sandpaper or the like which includes as steps thereof the employment of a flexible sheet of fabric, causing a moisture-proofing material to serve as a vehicle for a binding agent, applying said moisture-proofing material and agent as a coating to the sheet, applying a grit to said coating and allowing the vehicle to penetrate the sheet and carry with it a portion of the binding agent, whereby to form an abrasive article which is flexible, moisture-proof and tenacious when dry.

1,635,801. COMPOSITE STRUCTURE. FRANCIS G. OKIE, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a Corporation of Minnesota. Filed Oct. 24, 1923. Serial No. 670,543. 19 Claims. (Cl. 51—279.)

1. The new article of manufacture in the nature of sandpaper, comprising a flexible sheet of fabric, a grit or layer of abrasive particles, and a waterproof stable adhesive bond, including modified Chinawood oil interposed between said grit and said sheet and of a nature to adequately maintain its bonding effect in substantially full measure throughout the effective abrading life of the abrasive article even under sustained application of or immersion in water, but not deleteriously affecting the flexibility of said sheet when dry.

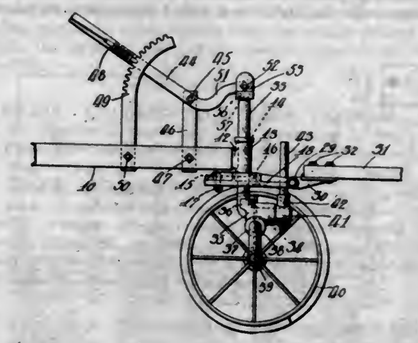
1,635,802. VIBRATORY DISTRIBUTOR OF ELECTRIC CURRENT. EUGENE SIXTEN SANDBERG, Allentown, Pa. Original application filed May 23, 1924, Serial No. 715,264. Divided and this application filed Apr. 20, 1925. Serial No. 24,563. 6 Claims. (Cl. 178—47.)



1. A vibratory distributor of electric current comprising a pair of electro-magnets each having a core, a yoke connecting the core ends of like polarity together and a permanent magnet mounted for adjustment with relation to the yoke.

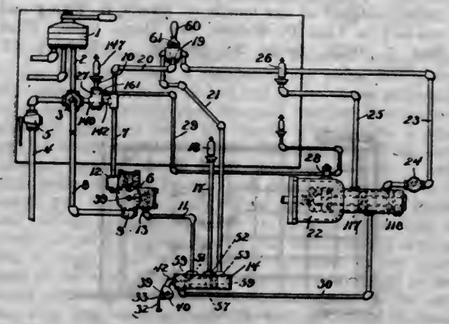
1,635,803. TONGUE-SUPPORTING TRUCK. HERBERT B. SPERRY, Chicago, Ill., assignor to Appleton Manufacturing Company, a Corporation of Illinois. Filed June 12, 1924. Serial No. 719,496. 11 Claims. (Cl. 280—83.)

1. In combination with an agricultural machine, of a stub-tongue therefor, a fore-truck pivotally mounted on a substantially vertical pivot on said tongue for supporting the forward end thereof, a guide tongue connected with the stub-tongue, means carried by said stub-tongue and engageable with the pivotal connection between said stub-tongue and truck for adjusting said stub-tongue on said foretruck, and means for transmitting



angular movement to said truck in relation to said stub-tongue, at a differential rate of movement to relative movements of said tongues.

1,635,804. ACKNOWLEDGMENT VALVE. JEAN FRANCIS WEBB, Jr., New York, N. Y. Original application filed Feb. 26, 1925, Serial No. 11,868. Divided and this application filed Sept. 21, 1926. Serial No. 136,857. 2 Claims. (Cl. 303—50.)

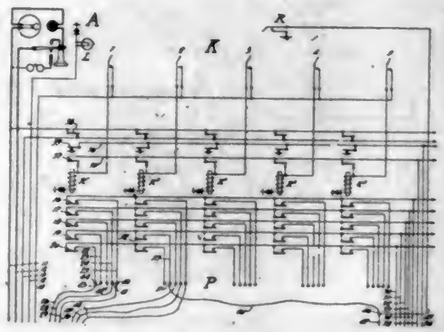


1. An acknowledgment valve comprising a casing having an inlet chamber and two outlet chambers, said casing having valve-seat passages between said inlet chamber and the respective outlet chambers, said casing having bores through the same into the inlet chamber in alignment with the valve-seat passages, screw plugs located in said bores, valves in said passages for engaging said seats, springs between said valves and the respective screw plugs normally to retain the valves seated, stems for said valves, said casing having bores to the outlet chambers through which said stems project, a lever rockably mounted on said casing and having heels to engage said stems whereby when said lever is rocked in one position one valve will be opened and when rocked in another position the other valve will be opened and vice versa.

1,635,805. TELEPHONE SYSTEM. JOHN WICKS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 24, 1923, Serial No. 620,932. Renewed Dec. 3, 1926. 19 Claims. (Cl. 179—18.)

1. In a telephone system, a subscriber's line, a calling device at the station on said line manually operable in accordance with each of the digits in a called telephone

number to transmit a series of impulses over said line to the exchange, a second calling device comprising electrically operated means for automatically generating and transmitting series of impulses over said line in accordance with the digits in a called telephone number, a



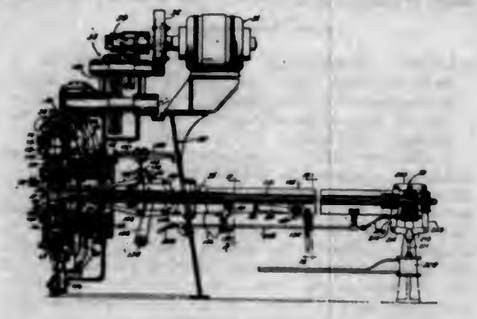
manually operable circuit closer for initiating the operation of the second calling device at the option of the subscriber, and automatic switches at the exchange responsive to the impulses generated by either calling device to connect said line with a called line.

1,635,806. FOLDING BED. JOHN S. YOUNG, San Diego, Calif., assignor of one-fourth to Maude L. Young and one-half to Lane D. Webber, San Diego, Calif. Filed Sept. 7, 1922. Serial No. 586,638. 1 Claim. (Cl. 5—136.)

In a folding bed, a head-end supporting member provided with leg portions, other backward leg portions in spaced relation with the leg portions of said supporting member and provided with journal portions, a bed spring supporting frame pivotally mounted on one end in the journal portion of said legs and extending backwardly only from said journal member and a bed spring secured to said bed spring supporting frame and extending forwardly and backwardly of said journal portions and a spring member with one end secured to the forward end of said spring frame and its other end secured to the backward leg portions for balancing said spring and frame relatively to said head-end supporting member.

1,635,807. MEANS FOR SHEARING TUBULAR MEMBERS. WALTER E. AMBERG, Chicago, Ill., assignor to William O. Peterson and Bernard L. Engelke, Chicago, Ill. Filed Jan. 19, 1924. Serial No. 687,321. 17 Claims. (Cl. 164—40.)

1. The method of transversely severing a metallic tubular member in twain along a line of separation, which consists in subjecting said member to opposed coacting non-rotary inner and exterior cutting edges that lie in the plane of separation, and then through the medium of relative revoluble movement between the tubular member and the cutting edges to progressively shear the said member.



2. A machine for shearing a circular tubular member along a circumference of separation, which comprises an arbor provided with a cutting edge, means for rendering said arbor accessible in order that a circular tubular member to be sheared may embrace the same, a shear-ring exteriorly of said arbor and adapted to embrace said circular tubular member, said shear-ring being locked against rotary motion, and means for imparting an orbital movement to said shear-ring thereby progressively shearing said tubular member along the circumference of separation.

1,635,808. VAPORIZER. RAYMOND M. ANDERSON and STANLEY M. UDALE, Detroit, Mich., assignors to George M. Holley, Detroit, Mich. Filed May 5, 1924. Serial No. 711,029. 3 Claims. (Cl. 261—63.)

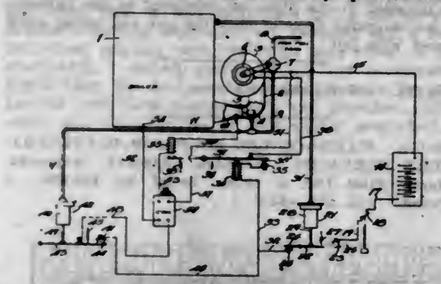


1. A vaporizer comprising a mixing chamber, a fuel nozzle discharging therein, a mixture outlet, a throttle valve therein, said throttle valve being adapted to separate the air into two equal parts and to direct the fuel into one half, two conduits leading from said mixture outlet into which said equal portions of the air are directed, means for heating that conduit into which the fuel is directed by said throttle valve, means for reuniting the two air streams into a common outlet.

1,635,809. AUTOMATIC CONTROL SYSTEM FOR BURNERS. OSCAR F. CARLSON, Chicago, Ill. Filed Nov. 28, 1919. Serial No. 341,309. 14 Claims. (Cl. 158—31.)

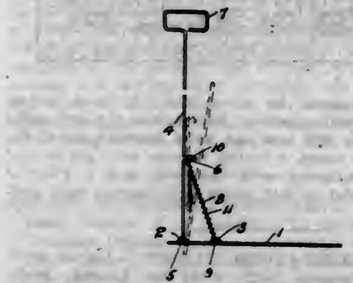
1. In combination, a burner, electrically operated means for forming a combustible mixture for said burner, and

ignition means for igniting said combustible mixture, the setting into operation of the electrically operated means



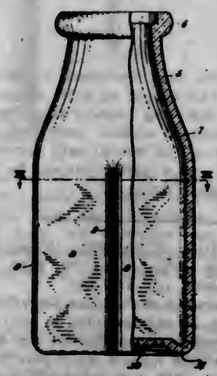
being dependent upon the prior operation of the ignition means for igniting the initial charge of the combustible mixture in the burner.

1,635,810. FURNACE-RADIATOR-FLUE CLEANER. EDGAR W. CLEVELAND, Holland, Mich. Filed Dec. 19, 1921. Serial No. 523,324. 2 Claims. (Cl. 15—242.)



1. A device of the class described, comprising a plate of metal, an elongated flexible wire pivotally connected to the plate at one end and adjacent one edge of the plate, said wire having a laterally extending eye formed in its length between the ends thereof, a second wire pivotally connected to the plate at one end a short distance from the pivotal connection of the first wire thereto, said second wire passing through said eye, and a stop formed at the free end of said second wire to prevent disconnection of said second wire from said eye.

1,635,811. BOTTLE. IRVA J. BLAKE and HARRY H. HART, Sacramento, Calif. Filed Jan. 13, 1925. Serial No. 2,098. 2 Claims. (Cl. 215—1.)

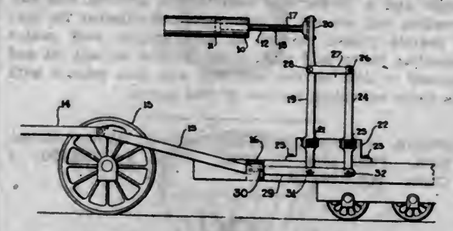


1. A milk bottle comprising a neck portion and a body portion, said body portion being rectangular in cross section with the flat side walls merging into curved corner edges, a continuous bead depending from the bottom of the body portion with the upper end of the inner side wall of the bead abruptly merging into the bottom of the body portion at an angle to the plane thereof to define an inner cavity forming a vacuum cup, said bead being curved in cross section with the radius thereof less than the radii of the curved corner edges of the body portion.

1,635,812. CHLORINATED-RUBBER VARNISH. NORRIS BOEHMER, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a Corporation of West Virginia. Filed Aug. 26, 1924. Serial No. 734,329. 2 Claims. (Cl. 134—17.)

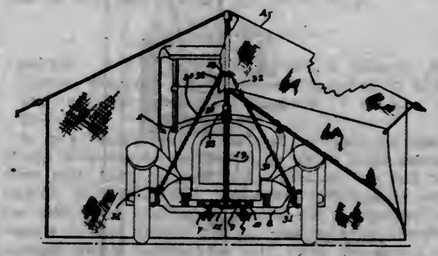
2. A liquid coating composition comprising a clear stable solution of chlorinated rubber incorporated with boiled drying oil, such oil being boiled to about the maximum degree compatible with the miscibility therewith of the specific chlorinated rubber employed.

1,635,813. LOCOMOTIVE DRIVING MECHANISM. JOHN LOUIS BORSKI, Anderson, Tex. Filed May 24, 1926. Serial No. 111,127. 5 Claims. (Cl. 105—37.)



1. In a driving mechanism, for railroad locomotives, of the class described, a supplementary piston rod pivotally connected to a piston rod and to the upper extremity of a vertical driving rod, the said vertical driving rod pivotally attached to a pin rigidly attached to a supporting block mounted on the running gear of the said railroad locomotive and rigidly attached thereto, a supplementary vertical driving rod pivotally attached to a second pin rigidly attached to the said supporting block, and having pivotally attached at its upper extremity a cross rod pivotally attached to the said vertical driving rod, a cross head rod pivotally attached to the cross head of the said locomotive, and pivotally attached to the lower extremities of the said vertical driving rod and the said supplementary driving rod, so as to decrease the linear motion of the said cross head relative to the linear motion of the said piston rod.

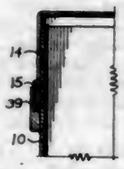
1,635,814. AUTOMOBILE ATTACHMENT. JOHN BOUCK, Akely, Minn. Filed Jan. 25, 1926. Serial No. 83,662. 3 Claims. (Cl. 135—9.)



2. A canopy for vehicles including a frame, the latter comprising angle bars secured to the under side of said vehicle adjacent the front and rear portions thereof, horizontally extending members mounted in said angle bars and projecting beyond the front and rear portions

respectively of said vehicle, connecting members extending transversely across the free ends of said horizontal members, vertically extending members carried by said connecting members, a horizontally extending member connecting the upper free ends of said vertical members and extending longitudinally over the top of said vehicle, braces between said last mentioned vertical and horizontal members and a covering supported by said frame and extending over said vehicle.

1,635,815. VACUUM PRESERVER. ARIE B. BRIGGS, Denver, Colo. Filed May 18, 1926. Serial No. 109,863. 3 Claims. (Cl. 220—1.)



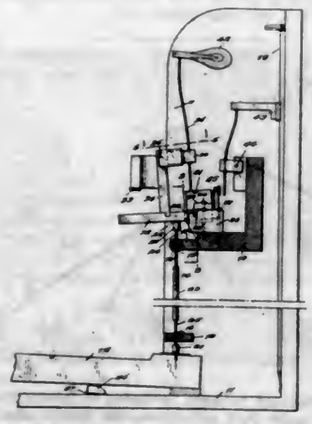
1. In a vacuum preserving device comprising a container and a lid for said container, a grooved ring surrounding and secured to said container adjacent its top; a flexible gasket carried in said groove, said gasket extending above said ring; a rim formed on said lid and adapted to slide on the container wall into contact with the above extending portion of said gasket.

1,635,816. CONCRETE TIE. JAMES S. BROWN, Miami, Okla. Filed Dec. 17, 1926. Serial No. 155,490. 1 Claim. (Cl. 238—91.)



A railway rail tie including a body portion, a plate positioned on the body portion and having bolt openings and rows of spaced openings disposed on opposite sides of the bolt openings, adjustable fastening members having elongated openings and having pins adapted to be positioned in the spaced openings to hold the fastening members in various positions of adjustment.

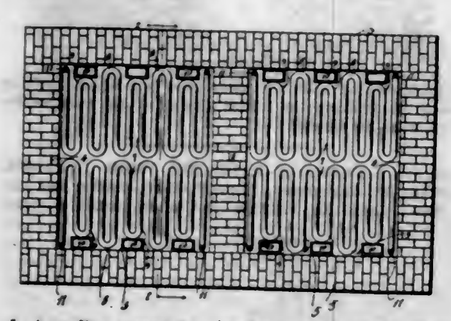
1,635,817. PIANO ACTION. CHARLES EWEN CAMERON, Jr., East Orange, N. J. Filed Apr. 26, 1923. Serial No. 634,699. 23 Claims. (Cl. 84—240.)



6. In a piano action, the combination of a hammer, a stop for limiting the recoil movement of the hammer, and means between the hammer and stop for securing the hammer against rebound, said means including a V-shaped wedge engaging in a similarly shaped slot, said slot disposed in the plane of movement of the hammer, the interengaging faces of both the slot and wedge being covered with felt.

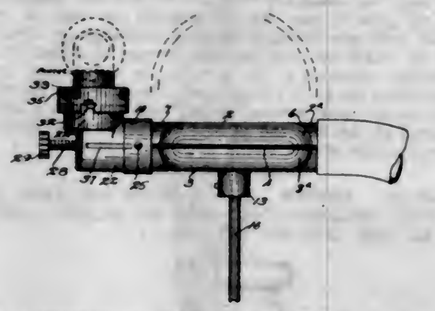
1,635,818. [WITHDRAWN.]

1,635,819. WATER-COOLED ROOF FOR REVERBERATORY FURNACES. MICHAEL CORCORAN, Anaconda, Mont. Filed Dec. 9, 1926. Serial No. 153,589. 3 Claims. (Cl. 263—44.)



1. A cooling means for reverberatory furnaces, including an ore treating chamber having side and end walls and a roof, the side and end walls extended above the roof to form a recess, a cooling member arranged in said recess and contacting with the roof, and a filler of granular material in said recess and covering said cooling member.

1,635,820. WATER-POWER UTILITY. IRVING CUMMINGS, Los Angeles, Calif. Filed Dec. 7, 1925. Serial No. 73,741. 6 Claims. (Cl. 253—136.)

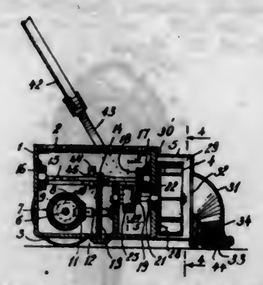


6. A device of the class described, including a motor shell for a wheel and having an inlet nipple tangent to the wheel, and a mounting element engaging the nipple and connectible with a conduit outlet, and having a valve to vary flow to the wheel; said element having a lateral gasket cup and a gasket therein to jam against the end of the conduit outlet.

1,635,821. SUCTION CLEANER. PASQUALE DADDIO, New York, N. Y. Filed June 26, 1923. Serial No. 647,896. 2 Claims. (Cl. 15—18.)

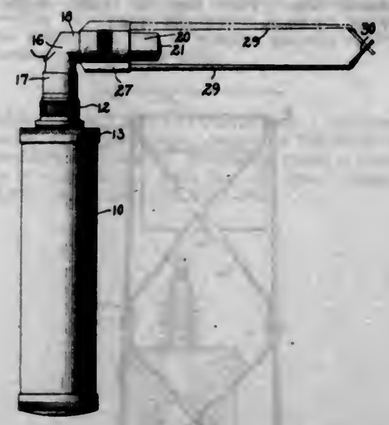
1. In a suction-cleaner of the class described, a driving-mechanism housing, an axle mounted in said housing and having ground-wheels secured thereto for driving it, a one-way clutch on said axle, a bevel-gear loose on said axle and connected with and actuated by said clutch, a short-shaft at right angles to said axle and provided with a small bevel-gear meshing with said bevel-gear on

the axle, speed-multiplying gearing comprising a large gear-wheel fixed on said short-shaft and a counter-shaft parallel with said short-shaft and provided with a small gear-wheel meshing with the large gear-wheel on said short-shaft, a second gear-wheel on said counter-shaft larger than the first-mentioned one, a short fan-shaft parallel with said counter-shaft and provided with a small gear-wheel driven by said second gear-wheel on



said counter-shaft, a one-way acting clutch on said fan-shaft serving to drive the fan in one direction, said small gear-wheel on said fan-shaft being located between the fan and the one-way clutch thereon, a fan housing mounted on the forward end of said driving-mechanism housing, the said fan shaft extending into said fan housing, a fan on said shaft in the fan housing and said fan housing being provided with an intake and an outlet, said outlet being adapted to be connected with a dirt collector.

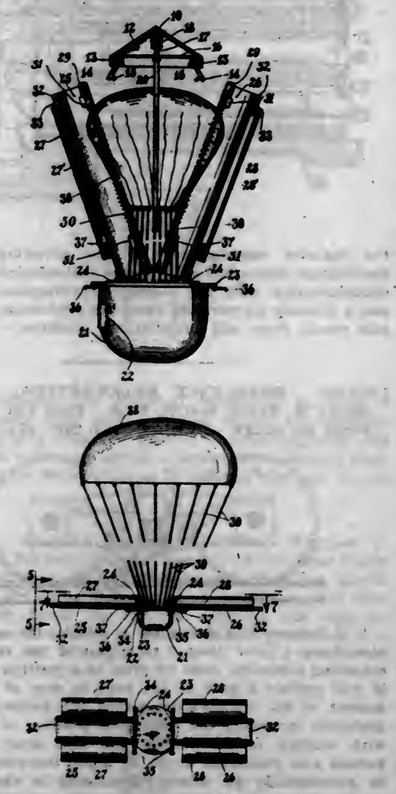
1,635,822. DIAGNOSTIC INSTRUMENT. HENRY L. DE ZENG, Geneva, N. Y., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Mar. 5, 1925. Serial No. 13,236. 2 Claims. (Cl. 128—6.)



1. In combination with the illuminating head of a diagnostic instrument, a light condensing lens, a sleeve carrying said lens and adjustably mounted on the illuminating head, an extension on one side of the sleeve, a reflector support mounted in said extension, and a reflector carried by the support in line with the sleeve.

1,635,823. PARACHUTE. ERNESTO DI GIULIO, Lynn, Mass. Filed Feb. 25, 1927. Serial No. 170,957. 3 Claims. (Cl. 244—21.)

3. A parachute with associated holding and releasing means for a flying machine, comprising a cone shaped member secured to the flying machine, a gondola, central wing members hingedly attached thereto, end wing members hingedly attached to the central wing members, the end wing members being foldable against the central wing members, means for normally urging the end wing members to open position, means for normally urging the central wing members to open position, means for releasably securing the end and central wings in closed position to the cone shaped member, said latter means

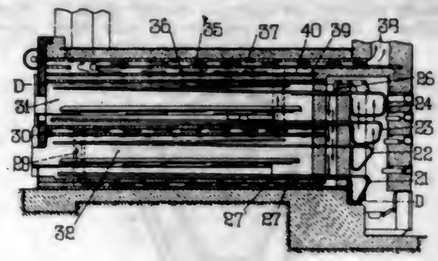


consisting of levers pivoted to the cone shaped member, means for engaging the levers to the wings in a certain position of the levers, a disc slidably mounted in the cone shaped member, a spring urging the disc to lock the levers in the said certain position, and a rod attached to the disc for manually moving the disc from the locking position, and a collapsed parachute sail attached to the gondola, and housed within the folded wings.

1,635,824. BAKER'S OVEN. WILLIAM DREDGE, Manchester, England. Filed Nov. 9, 1925, Serial No. 67,922, and in Great Britain Nov. 26, 1924. 6 Claims. (Cl. 107—63.)

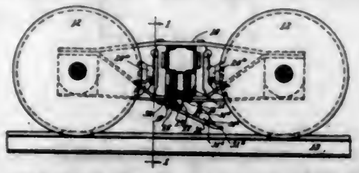
5. In a baker's oven of the kind in which the heating of the oven-chamber is effected by closed tubes partially filled with heating liquid and heated at one end in a furnace, the combination comprising a furnace in which the said tubes are heated at one end, a chamber contiguous to said furnace and in communication therewith through which chamber the said tubes are passed and therein subjected to a secondary heating by the products of combustion passing therethrough, a chamber extending below the sole-plate of the oven-chamber and in communication at one end with the chamber in which the secondary heating of the tubes is effected, a chamber external to and superimposed upon the top of the oven-chamber and having communication with the interior of

the oven-chamber at a plurality of points so as to form a collecting-chamber for drawing off superfluous vapors from the oven-chamber, a chamber external to and superimposed upon the collecting chamber, vertical conduits connecting the front end of the sole-plate chamber with



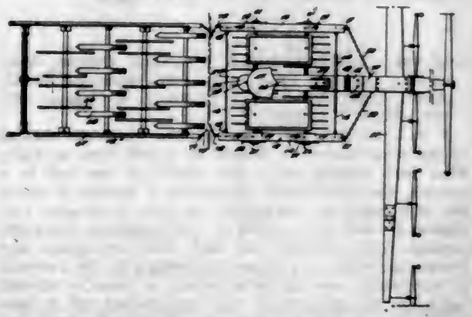
the chamber superimposed on the collecting-chamber, controllable means for placing the collecting-chamber in communication with the chamber superimposed thereon, and a chimney for carrying away the combustion products and vapors from said superimposed chamber.

1,635,825. EMERGENCY BRAKE-SETTING DEVICE. HENRY M. EAKIN, Seattle, Wash. Filed Feb. 27, 1926. Serial No. 91,241. 8 Claims. (Cl. 246—171.)



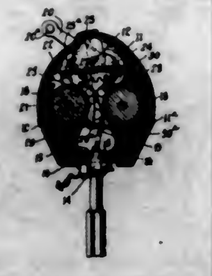
1. A brake-setting device for a vehicle, the said device comprising a lever pivoted to a part of the vehicle and extending forwardly from its pivot to a position such that it will contact a part of the road in case of abnormal descent of the vehicle-body toward the roadway, means positively governing the lower-most position of the lever with relation to the vehicle, the said lever being so formed and associated as to be urged downwardly only by substantially all débris encountered in the forward movement of the vehicle, and means operatively connected to the lever for applying the brakes.

1,635,826. AGRICULTURAL IMPLEMENT. WASHINGTON J. ENGLE, Urbana, Ill. Filed Feb. 5, 1923. Serial No. 617,122. 7 Claims. (Cl. 55—30.)



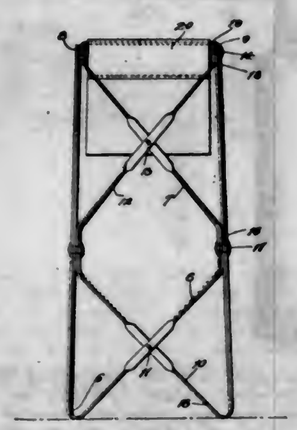
1. In an agricultural tool, the combination with a frame, comprising side members and cross struts pivoted thereto, of brackets depending from the side members, boxes pivoted on upright axes in the brackets, cross shafts having their ends in the boxes, and disks on the shafts.

1,635,827. RAZOR SHARPENER. PAUL A. FRANK, Akron, Ohio. Filed Nov. 10, 1926. Serial No. 147,465. 5 Claims. (Cl. 51—86.)



1. A razor sharpener comprising a pair of frame structures adapted to be closed together upon the frame of a safety razor, an abrading roll journaled on each frame structure, means for driving said rolls, and means for oscillating between said rolls a blade pivoted on the razor frame, the said oscillating means comprising members mounted on the respective frame structures and adapted respectively to force the blade in opposite directions.

1,635,828. CAMP STOOL. REINHART F. FRANZDORF, Defiance, Ohio. Filed Sept. 24, 1926. Serial No. 137,545. 1 Claim. (Cl. 155—136.)



A chair including a pair of pivotally connected sections, each section embodying a length of metal bent intermediate its ends and extending inwardly and rearwardly, the ends of the length of metal being disposed in proximity to each other, another length of metal having one end secured between the ends of the adjacent length of metal and bent to provide a horisontal bar, said last mentioned length of metal extending downwardly and

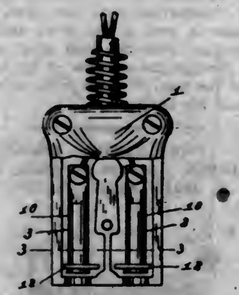
bent to provide a leg section, the free end of the last mentioned length of metal being secured to the body portion of the last mentioned length of metal.

1,635,829. PROTECTING COATING FOR COVERED CONDUCTORS AND METHOD OF APPLYING THE SAME. OTTO A. FREDERICKSON, Wethersfield, Conn., assignor to The Wiremold Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 22, 1927. Serial No. 177,424. 15 Claims. (Cl. 91—68.)



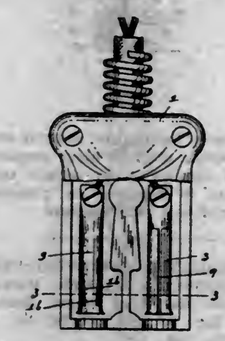
11. In the art of electrical insulation, a fibrous jacket or covering for electrical conductors having a coating of stearin pitch and a film of wax-like material applied to the surface of the stearin pitch.

1,635,830. ELECTRICAL CONNECTER. WILLIAM J. GAGNON, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 29, 1924. Serial No. 695,972. 3 Claims. (Cl. 173—332.)



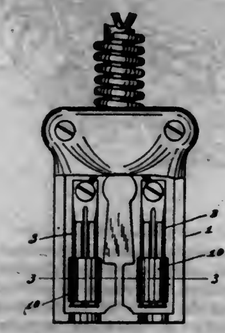
1. A separable connecter for electrical conductors comprising a contact socket and a contact plug adapted to mate therewith, said plug comprising a hollow cylindrical bimetallic shell adapted for frictional and electrical contact with the contact socket, said shell being longitudinally split to permit its lateral expansion under the influence of heat.

1,635,831. ELECTRICAL CONNECTER. WILLIAM J. GAGNON, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Original application filed Feb. 29, 1924, Serial No. 695,972. Divided and this application filed Sept. 18, 1925. Serial No. 57,101. 8 Claims. (Cl. 173—332.)



1. A connecter for electrical conductors including a longitudinally split socket formed within an inwardly projecting plug engaging resilient contact-tongue at one side of the split, and having a thermostatic element tending under the action of heat to contract the body of the socket.

1,635,832. ELECTRICAL CONNECTER. WILLIAM J. GAGNON, Bridgeport, Conn., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Original application filed Feb. 29, 1924, Serial No. 695,972. Divided and this application filed Oct. 1, 1925. Serial No. 59,835. 3 Claims. (Cl. 172—332.)



1. A connecter for electrical conductors including a polygonal contact socket of sheet material, said socket being longitudinally corrugated, and a thermostatic element in connection with said socket and tending under the influence of heat to contract the latter.

1,635,833. CLOTHESPIN. CHARLES GERBACZEWSKI, Jersey City, N. J. Filed June 4, 1926. Serial No. 113,650. 1 Claim. (Cl. 24—137.)

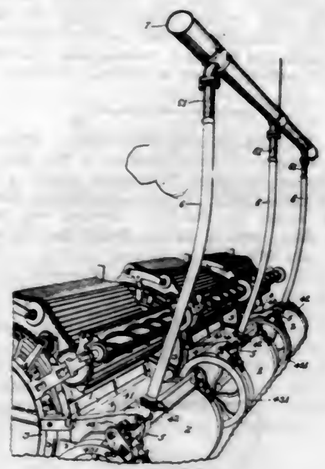
A clothes pin comprising forwardly and rearwardly disposed hinge elements, a pin pivotally connecting said hinge elements together, side members mounted on said

hinge elements, a spring disposed in recesses in the rearward ends of said side members for urging said rearward ends apart to force the forward ends thereof together, and a screw disposed through registering openings in said rearwardly disposed hinge element and in the



side member mounted thereon for securing said side member to said rearwardly disposed hinge element, the end of said screw being adapted to engage said spring for tensioning the latter to regulate the gripping power of the forward ends of said side members.

1,635,834. PNEUMATIC CARD-STRIPPER SYSTEM. WILLIAM H. GOLDSMITH, Brookline, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a Trust. Filed Dec. 9, 1926. Serial No. 153,555. 15 Claims. (Cl. 19—109.)



1. A suction-stripper system comprising, essentially, a plurality of suction-strippers operating concurrently at a plurality of machines to extract by suction waste, dirt, etc., from among the teeth of card-clothed surfaces of the said plurality of machines simultaneously, air-exhausting means, and a piping-system of dimensions giving volumetric displacement capacity at least equal to the combined displacement capacity of the inlets of said plurality of suction-strippers, and also providing as far as the confluence of the said suction-strippers with the said piping-system a working degree of vacuum substantially uniform with the degree of vacuum at the said air-exhausting means.

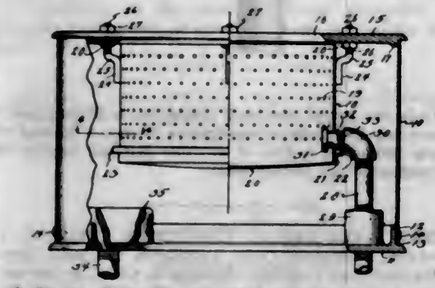
1,635,835. TOY. WILLIAM D. GOOD, Akron, Ohio, assignor to The Good Rubber Company, Kenmore, Ohio, a Corporation of Ohio. Filed Jan. 20, 1927. Serial No. 162,298. 4 Claims. (Cl. 46—37.)

1. In a toy, an inflatable, elastic balloon, a base upon which the balloon rests, and a stem on the balloon, the base having an aperture therein and a crevice having walls which are adapted to pinch the stem, said crevice being spaced from the aperture, the stem being passed



downwardly through the aperture and along the under surface of the base and upwardly through the crevice by which it is pinched to retain the air within the balloon.

1,635,836. OIL BURNER. JAMES T. GROTENHUIS, Orange City, Iowa. Filed May 13, 1926. Serial No. 108,823. 7 Claims. (Cl. 158—87.)



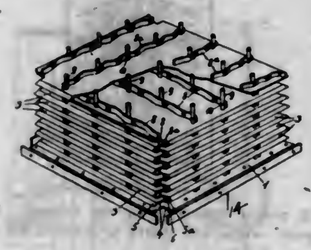
1. In an oil burner, a casing having an open top, a centrally apertured cover plate loosely resting over said top, a mixing bowl suspended from said top and surrounding said opening, an oil delivery pipe secured in the base and terminating near the bowl, and a nipple extended through a wall of the bowl and having a detachable connection with the said pipe, said nipple being accessible through the aperture of the cover plate and removable into the bowl to allow removal of the top and cover plate from the casing.

1,635,837. COMBINATION PHONOGRAPH AND RADIO CABINET. ALFRED H. HAAG, Baltimore, Md. Filed Dec. 29, 1924. Serial No. 758,485. 3 Claims. (Cl. 274—2.)



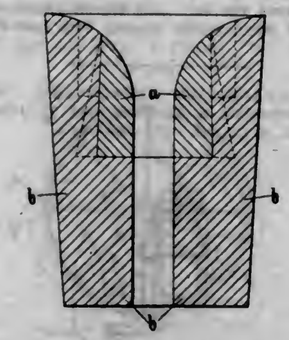
2. In a device of the character stated, a horizontally disposed amplifier, inlets of different lengths leading to the rear thereof from a plurality of sound reproducing devices, and a vertically disposed tone modulator pivoted at the rear of said amplifier and extending towards the exit portion thereof and controlling the exit of sound waves from either of said inlets in combination with a horizontally disposed bar in the front of said amplifier, and a manually operated rod projecting from said modulator and guided by said bar.

1,635,838. HEAT-EXCHANGING ELEMENT. EUGEN HABER, Berlin-Charlottenburg, Germany. Filed Feb. 3, 1922. Serial No. 533,929. 6 Claims. (Cl. 257—245.)



1. An improved heat exchanging element comprising in combination a bottom plate, a top plate and a plurality of intermediate plates, all of said plates having angle portions cut away at the corners, the edges at the ends and at the sides of the intermediate plates being alternately bent downward and upward so that by superposing the plates, cells are formed between said intermediate plates which are alternately open at the ends or the sides so that two flues are formed, and corner pieces inserted in the cut-away corners of all the plates to separate the air flue of the element from the flue for the heating gases.

1,635,839. NOZZLE FOR LADLES USED IN POURING MOLTEN METAL. JOHN KNOWLES HASSALL, Rotherwood, near Ashby-de-la-Zouch, and ANDREW HARRIS, Woodville, England. Filed June 11, 1926, Serial No. 115,167, and in Great Britain June 11, 1925. 2 Claims. (Cl. 22—84.)



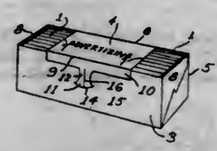
1. In a foundry ladle, a nozzle composed of fireclay and a magnesite, the outlet portion of the nozzle being constructed of fireclay and the inlet portion thereof being constructed of magnesite.

1,635,840. METAL PROPELLER. JAKOB HAW, Friedenau, near Berlin, Germany. Filed Jan. 15, 1925, Serial No. 2,584, and in Germany Oct. 15, 1924. 4 Claims. (Cl. 170—159.)



1. A metal propeller for aircraft comprising a dished casting closed at the inner end over its entire periphery and formed wtih cross bars, flange means on the edge of said dished casting, cover plates secured to said flanges and said cross bars, a foot firmly connected with said casting, steel rods fixed to said foot and screw nuts mounted on said steel rods transmitting the stress exerted on said casting to said steel rods.

1,635,841. BRAID PACKAGE. HENRY HEBELER, Jr., St. Louis, Mo., assignor to St. Louis Braid Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 27, 1924. Serial No. 746,035. 1 Claim. (Cl. 206—44.)

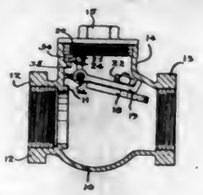


A container substantially rectangular in shape, formed of semi-flexible material having an open top and an integral closure projecting from one side thereof, the ends of the closure terminating short of the ends of the container, whereby openings remain at either end of the top when the latter is spanned by the said closure, the opposite side wall of the container containing a slit, said closure having an integral depending flange engaging said side wall and terminating in a tongue adapted to engage the said slit, said tongue having a neck narrower than the slit and a terminating head wider than the slit, and the said head being split to render the same collapsible in width.

1,635,842. CHECK VALVE. JOSEPH HIRSHSTEIN, Cleveland Heights, Ohio. Filed Sept. 20, 1924. Serial No. 738,833. 5 Claims. (Cl. 251—123.)

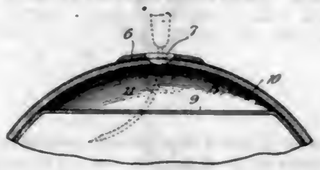
5. In combination, a valve body having a valve seat, a branch, a valve closure member, said branch having bearing portions extending from the throat thereof, an arm swingably mounted within the branch supporting the valve closure member, a fulcrum bearing member sup-

ported in said bearing portions and affording a double pivotal suspension for the arm and suspending the valve closure member, an extension formed on the fulcrum



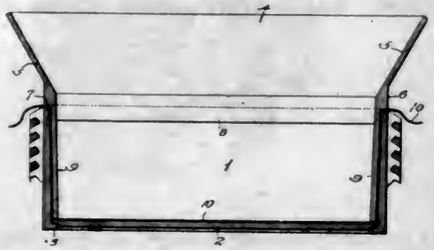
member and adapted to cooperate with a fixed portion of the throat of the branch, thereby limiting the movement of said fulcrum bearing member.

1,635,843. METHOD OF PRESERVING EGGS. GEORGE HOFMANN, Chicago, Ill. Filed June 20, 1923. Serial No. 646,545. 22 Claims. (Cl. 99—8.)



1. The method of preserving eggs which consists in introducing liquid antiseptic material into the interior of the egg to an amount sufficient to cause the contents of the egg to completely fill the space within the shell.

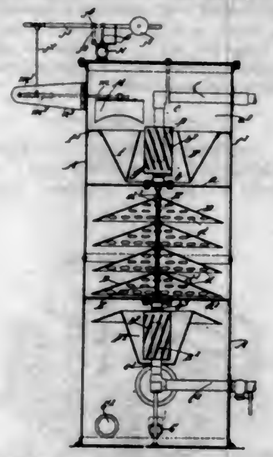
1,635,844. HOPPER FOR MOLDS. JOSEPH J. HOFFMANN, Denver, Colo. Filed Apr. 13, 1926. Serial No. 101,710. 2 Claims. (Cl. 226—51.)



1. A hopper for molds having a surrounding shoulder adapted to rest upon the rim of the mold, depending side strips adapted to extend a slight distance into the mold and depending end plates adapted to extend to the bottom of the mold, said side strips and end plates being adapted to be inserted in a bag, thereby to facilitate the insertion of the bag in the mold.

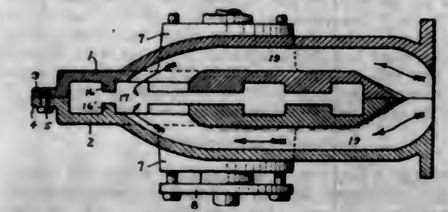
1,635,845. MEANS FOR SEPARATING WATER AND OTHER IMPURITIES FROM MINERAL OR OTHER OILS OR LIQUIDS. HASTINGS JOHN HOLFORD, Addiscombe, England, assignor of one-half to Percy Portway Harvey, London, England. Filed Sept. 9, 1925. Serial No. 55,273, and in Great Britain Nov. 8, 1924. 5 Claims. (Cl. 210—51.)

1. Means for separating water and other impurities from oils or like liquids, comprising a column provided with a series of vertically arranged baffles, a freely mounted rotatable distributor into which the liquid enters and through which it passes, reaction surfaces on the said distributor whereby it is rotated by the entering



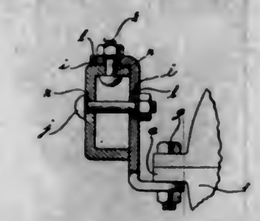
liquid as it passes through, and an external deflecting surface against which the liquid is directed by said distributor.

1,635,846. PUMP. ROBERT E. L. HOLMES, Davenport, Iowa, assignor to Wesco-Chippewa Pump Company, Davenport, Iowa, a Corporation of Delaware. Filed Feb. 11, 1925, Serial No. 8,554. Renewed Dec. 11, 1926. 6 Claims. Cl. 230—14.)



1. A rotary pump comprising a rotor having a primary and a secondary series of liquid propelling pockets, and a casing for said rotor adapted to enclose the same and define therewith a pressure developing chamber within which said primary series of propelling pockets operate and a second chamber within which the secondary series of propelling pockets operate, a connecting passage between the first and second chambers, and a supplemental port opening directly into said connection passage.

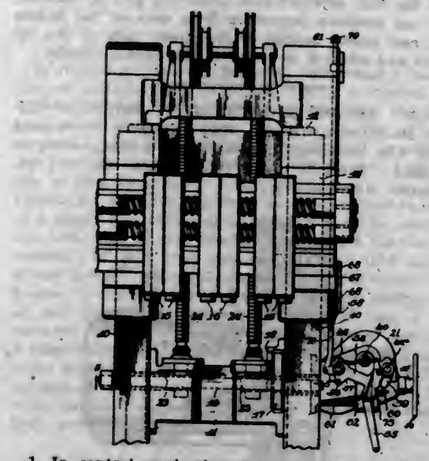
1,635,847. CRANK-CASE REPAIR ARM. HENRY Y. HOOPER, Montclair, N. J. Filed Sept. 17, 1925. Serial No. 56,832. 5 Claims. (Cl. 180—64.)



2. A supporting bracket comprising an upper flange to engage a supporting member and lower flanges to engage a supported member, means to secure the lower flange to the supported member, an oversized tapered bolt

hole in the upper flange adapted to overlie a co-operating bolt hole in the supporting member, a co-operating tapered plug adapted to be seated in the tapered bolt hole and having an eccentric bolt hole therein, and a bolt to engage the co-operating holes of the respective members whereby in seating the flange on the supporting member the plug will be automatically adjusted so that its bolt hole alines with that of the supporting member.

1,635,848. CONTROL AND FEED FOR BORING AND DRILLING MACHINES, ETC. WILSON P. HUNT, Moline, Ill., assignor to Moline Tool Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 26, 1925. Serial No. 52,573. 4 Claims. (Cl. 77—32.)



1. In control mechanism for reciprocable tool carriers or the like, a shaft, means for rotating said shaft and reversing the same, separate means for rotating the shaft at a reduced speed, clutches for operatively connecting both of said means to the shaft and having spindles extending laterally therefrom, a lever mounted on one of said spindles, a lateral member thereon, engaged by a part of the carrier when the latter has moved a predetermined distance, a rod connected to said lever, stops on the carrier and rod for actuating the latter, and a coiled spring surrounding said rod and supported by the stop on the latter, said spring adapted to be engaged and compressed by the stop on the carrier whereby to move the lever.

1,635,849. BICYCLE WHEEL. MARTIN ISGUERRA, Kanopolis, Kans. Filed Dec. 27, 1924, Serial No. 758,328. Renewed Apr. 21, 1927. 4 Claims. (Cl. 301—58.)



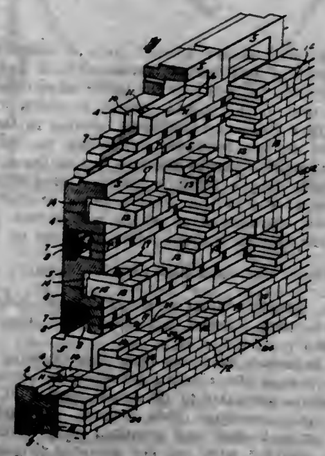
4. In a bicycle, a rim, a bracket attached to said rim and presenting a hollow boss, an internally screw threaded sleeve rotatable in said boss, a spoke having a screw threaded end engaging in said sleeve, said sleeve being formed to present a notch and an annular groove adjacent said notch in the wall of its bore, a collar slidable on said sleeve and held against rotation with respect to said sleeve, a lug projecting from said collar and normally engaging in said notch, and a spring bearing on said collar to retain the latter in position with the said lug engaged in the said notch.

1,635,850. CLOTHESLINE HOLDER. CHARLES L. KUBISTA, Sleepy Eye, Minn. Filed Dec. 26, 1922. Serial No. 608,983. 8 Claims. (Cl. 68—3.)



1. A clothes-line holder including a post having an aperture, means carried by said post and adapted to have the line passed thereabout to permit withdrawal and extension of the line through said aperture to object-supporting position, tension means normally to hold the line in retracted inoperative position, a detachable cover for said aperture adapted to have one portion of the line secured thereto, and means on said cover slidably to engage another portion of the line whereby upon withdrawal of the cover a plurality of line sections are presented for support of objects.

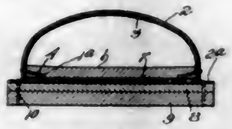
1,635,851. VENTILATED FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn. Filed Sept. 17, 1923. Serial No. 663,110. 3 Claims. (Cl. 110—72.)



1. A wall structure comprising a permanent wall having laterally spaced vertical rows of pockets, in combination with a replaceable inner wall including shelf-

forming tiles having their inner portions anchored in the pockets of said permanent wall, said permanent and replaceable walls being spaced to form an air gap between them, and the blocks of the permanent wall being spaced from each other so as to afford horizontal air passages and air ports, which latter connect said horizontal air passages to said space between the permanent and replaceable walls, and ports in said inner wall connecting said space between walls to the combustion chamber of the furnace.

1,635,852. SHOE. LAURIE S. MACDONALD and JOSEPH E. SMALL, Brockton, Mass., assignors to Thompson Bros. Shoe Co., Brockton, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1925. Serial No. 65,183. 1 Claim. (Cl. 36—16.)



A shoe embracing in its construction an insole of extra thickness and an upper secured directly to the insole by stitches passing through the entire peripheral face of the insole and the sub-tending portion of the upper, a sheet of cork conforming to the contour of the insole and covering its entire area but inclosed within the upper beyond the insole-attaching stitches, an outer sole dimensioned to provide a marginal extension projecting outwardly around the entire periphery of the shoe, the upper, beyond the insole stitching, having a marginal extension forming means for attaching the peripheral portion of the outsole to the shoe, and a row of stitches uniting the projecting margins of the upper and of the outer sole around the entire periphery of the shoe.

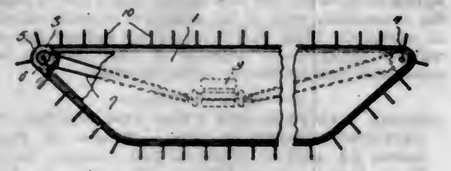
1,635,853. LABEL FOR LIVESTOCK. MINNIE W. MILLER, Salt Lake City, Utah. Filed Nov. 19, 1925. Serial No. 70,133. 2 Claims. (Cl. 40—3.)



1. An animal marker formed from a single strip of pliable material and embodying an indicia and a suspension portion, the width of the latter being considerably less than that of the indicia portion to enable its ready insertion in a comparatively small opening in the ear of the animal to be identified, and means on the indicia portion to securely engage the free end of the suspension portion, said means being so located intermediate the extremities of the indicia portion as to provide a loop, the internal dimensions of which will permit positionment of the marker without undue pressure on the part enclosed.

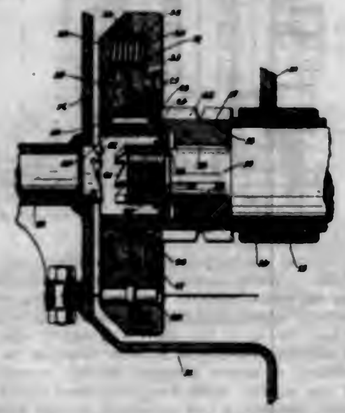
1,635,854. BOAT. WILLIAM MILLER, Blair, Nebr. Filed Dec. 16, 1925. Serial No. 75,730. 1 Claim. (Cl. 115—63.)

A flat bottomed boat, the ends thereof being inclined inwardly toward the bottom, transversely extending rotatable shafts journaled in the upper portion of the boat adjacent the respective ends thereof, sprocket wheels mounted on each shaft and arranged in pairs, the top of the boat provided with cut out portions through which the sprocket wheels are adapted to extend, sprocket chains trained over the aligning sprocket wheels of each pair and encircling the top, bottom, and ends of the boat, a series of paddle blades extending transversely across each pair of sprocket chains and secured at their lower edges thereto, channeled tracks arranged in pairs



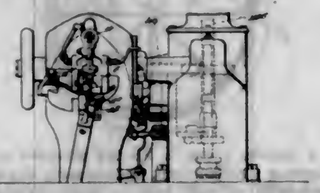
around the boat adjacent each respective pair of sprocket chains, leg members depending from each of the paddle blades, and rollers carried by the lower ends of the leg members and adapted to travel in the channel tracks.

1,635,855. INTERNAL-COMBUSTION ENGINE. ALFRED MOORHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 10, 1923. Serial No. 673,871. 1 Claim. (Cl. 74—6.)



In an engine, the combination with the crankshaft thereof, of a member mounted on said crankshaft adjacent the end thereof and having an extension around but spaced radially from the end of said crankshaft, a vibration damper mounted on said extension, a sleeve extending inside of said extension and having a flange to retain said damper on said extension, said sleeve also having a flange at its inner end, and a device on said crankshaft and abutting against said inner flange for retaining said sleeve and damper in position.

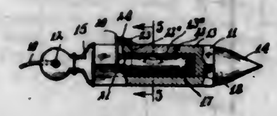
1,635,856. SEWING MACHINE. ALFRED R. MORRILL, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 11, 1919. Serial No. 329,952. 42 Claims. (Cl. 112—35.)



1. A chain stitch sewing machine having, in combination, stitch forming devices including a hook needle, a looper, and mechanism acting automatically upon stopping

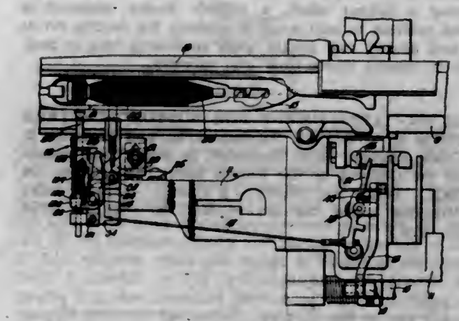
the machine to sever the thread between the shoe and the machine and to grip the end of the thread leading from the supply before the needle is looped in the last cycle of operations, and to cause the needle to misloop during the last cycle.

1,635,857. COMBINATION PLUMB LINE AND LEVEL. HENRY MURRAY, Jersey City, N. J. Filed June 4, 1926. Serial No. 113,668. 2 Claims. (Cl. 33—216.)



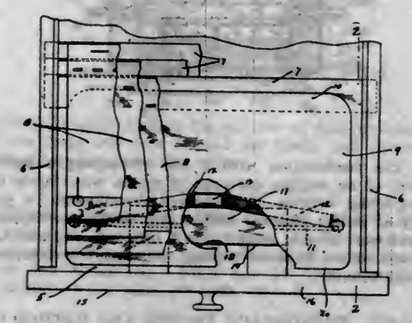
1. A level of the class described comprising a body portion of hexagonal cross-section having a central longitudinal opening therein extending from one end thereof and terminating in spaced relation to the other end thereof, a level vial adapted to be inserted in said opening through the first mentioned end of said body member, a plug comprising a projection having an opening therein for receiving a cord to adapt said level to be used as a plumb bob, said plug being adapted to be inserted in the outer end of said central longitudinal opening after insertion of said level vial for retaining said vial in a proper position, said body portion having a recess therein formed by the removal of a semi-cylindrical section thereof for permitting observation of said vial, a hinge mounted on said body portion adjacent said recess, and a supplementary body portion pivotally mounted on said hinge shaped to conform with the curvature of said semi-cylindrical recess, and adapted to be disposed therein with its outer surfaces flush with the surfaces of said body portion.

1,635,858. FILLING-FEELER MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed July 11, 1924. Serial No. 725,390. 5 Claims. (Cl. 139—270.)



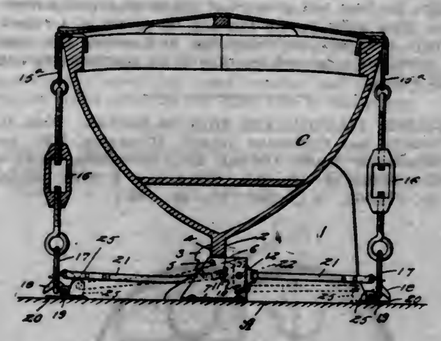
1. A loom having, in combination, a lay, a shuttle, a filling feeler mechanism, a controller, said filling feeler mechanism comprising a feeler lever and a filling engaging member yieldingly mounted on the lever and pressed toward the shuttle, a filling feeler holder, and connections between the holder and the controller, the holder cooperating with the filling engaging member to prevent the latter from following the bobbin rearwardly after replenishment more than a limited distance, so that the yielding movement of the filling engaging member is limited until critical exhaustion is approximated, whereupon the filling feeler holder ceases to restrain the movements of the filling engaging member.

1,635,859. FILING DEVICE. ELMER L. OUCHIE, North Tonawanda, N. Y., assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y., a Corporation of Delaware. Filed June 15, 1925. Serial No. 37,132. 7 Claims. (Cl. 129—16.)



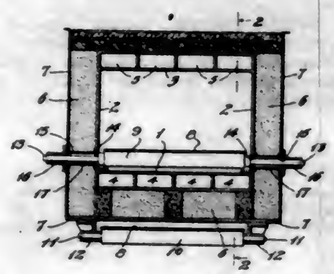
1. In a filing device, a drawer adapted to receive a series of cards in nested position, a bottom stop adapted to yieldingly press against the end card of said series, and catch means adapted to maintain said bottom stop out of engagement with said cards so as to permit the removal of a card.

1,635,860. LIFEBOAT HOLDING AND LAUNCHING MECHANISM. GEORGE W. P. OVERMAN, Norfolk, Va. Filed Oct. 6, 1925. Serial No. 60,825. 6 Claims. (Cl. 9—22.)



6. In a lifeboat holding and launching mechanism, an operating shaft for holding and releasing a lifeboat arranged longitudinally of the boat when in position on chocks, notched disks arranged to engage the boat keel and hold the boat on the chocks, said shaft being geared to said notched disks, spur hooks adapted to be pivotally mounted on a ship's deck and to engage gripe hooks engaging the side rails of the boat, and means operatively connecting said shaft and the spur hooks aforesaid to actuate them simultaneously with said disks to hold and release the gripe hooks.

1,635,861. LEER CONVEYER. KARL E. PEILER, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 31, 1925. Serial No. 53,550. 7 Claims. (Cl. 49—47.)

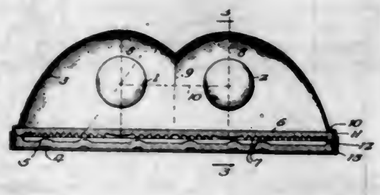


1. The combination with a leer embodying a heated tunnel, of an endless conveyer of woven wire fabric for transporting articles of glassware therethrough, a plurality of rollers disposed within said tunnel for supporting the ware-bearing strand of said conveyer, and bearings for said rollers disposed without the heated environment of said tunnel.

1,635,862. PHONOGRAPH RECORD AND METHOD OF PRODUCING THE SAME. ROBERT QUAIT, Jr., Brooklyn, N. Y., assignor of one-half to Jacob M. Ehrlich, New York, N. Y. Filed July 10, 1923. Serial No. 650,736. 35 Claims. (Cl. 18—48.3.)

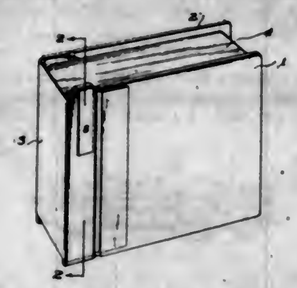
1. The herein-described method of producing sound-records, which consists of printing upon a core of fibrous material such as cardboard, treating said printed core with a water-soluble waterproofing, drying it out, applying to said dry treated core a solution of pure transparent and essentially gum-free cellulose-ester, drying out the same to constitute a transparent and practically non-thermoplastic intermediate coating, applying to said dry coated core a mixture of an abrasive in a solution of transparent cellulose-ester containing a suitable amount of gum-content, drying out the same to constitute a transparent surface-coating that will become sufficiently plastic under the heat and pressure of the usual pressing-operation, then under heat impressing the ridges of a record-matrix into said surface-coating, and cooling the same to constitute a pressed record with its aforesaid printing still visible.

1,635,863. ILLUMINATED SIGN OR SIGNAL. PAUL H. SCHULZ and CHRISTIAN JESSEN, Milwaukee, Wis., assignors to Traffic Control, Inc., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 8, 1923. Serial No. 661,560. 9 Claims. (Cl. 40—136.)



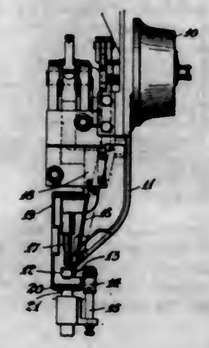
1. A front for an illuminated sign comprising a glass member having translucent portions thereof shaped to correspond in frontal contour to desired sign letters, each of the said portions having a uniform transverse section with a convex rear face and a relatively narrower concave front face.

1,635,864. BOOK PULLER. SIDNEY J. STERN, Chicago, Ill. Filed Sept. 20, 1926. Serial No. 136,479. 1 Claim. (Cl. 281—33.)



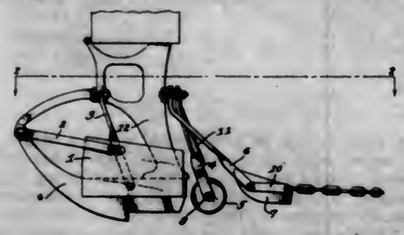
In combination with a book, a book pull composed of a single strap fastened in a vertical position to one of the sides of the book cover, one end of the strap being loose and adapted to hang over the side of said cover so it can conveniently be gripped by the hand.

1,635,865. RIVET-SETTING MACHINE. EDWIN B. STIMPSON, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Jan. 12, 1926. Serial No. 80,721. 6 Claims. (Cl. 218—3.)



4. In a riveting machine, an anvil, a driving plunger having a lateral offset, a slidable pocket mounted in offset relation to said anvil, a raceway for feeding rivets to said pocket, said pocket being resiliently held in position to receive rivets from said raceway.

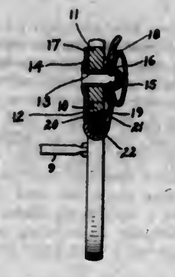
1,635,866. ATTACHMENT FOR COTTON PLANTERS. JAMES S. TOWNSEND, Sacaton, Ariz., and WOFFORD B. CAMP, Shafter, Calif., dedicated, by mesne assignments, to the Citizens of the United States. Filed Dec. 24, 1925. Serial No. 77,572. 1 Claim. (Cl. 111—85.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



In combination with a planter shoe, a V-shaped scraper blade mounted on the forward end of the shoe for removing clods and dry surface soil adjacent the planter shoe,

thereby enabling the planter shoe to penetrate moist earth to make a groove having a slight and uniform depth, means for depositing seed in the groove, a narrow roller for pressing the seed in the bottom of the groove, inwardly earth directing means for covering the seed, and means for leveling the earth, the expanse of the covering and leveling means being less than that of the scraper, thereby leaving nothing but fresh earth for covering the seed.

1,635,867. GOGGLES. GEORGE L. TULLY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 2, 1925. Serial No. 12,003. 4 Claims. (Cl. 88—41.)



4. In a device of the character described in combination with a lens frame having a pair of lens rims connected by a bridge having a longitudinal split, a resilient member on one of the split portions, a strap connected to one of the split portions extending over the resilient member and around the other split portion, and interengaging members on the first split portion and the strap adapted to hold the two split portions closely together through the action of the resilient member.

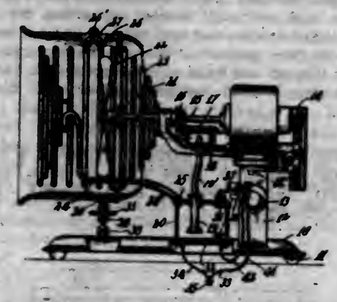
1,635,868. MARKING TICKET. GUSTAF A. WALLIN, Brooklyn, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed July 2, 1923. Serial No. 648,908. 4 Claims. (Cl. 40—21.)



1. A marking ticket comprising a strip of two plies of flexible non-metallic material secured together face to face, a soft wire stiffener interposed between said plies and extending longitudinally thereof, a tongue formed from the strip and extending parallel with the stiffener, the said strip being scored transversely adjacent the free end of the aperture left by the tongue to present a line of fold whereby when the ticket is folded at the score about a portion of the article to be marked with the tongue and the apertured portion of the strip lying at opposite sides of the article the free end of the tongue and the article are clamped between the said apertured portion of the strip and the back-folded end and thus the tongue and the ticket are securely held in position.

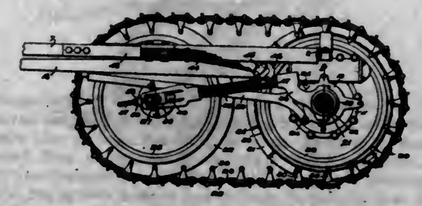
1,635,869. AIR COOLING OR HEATING APPARATUS. DEZSÖ WEISZ, New York, N. Y. Filed Aug. 17, 1925. Serial No. 50,567. 2 Claims. (Cl. 257—137.)

2. In a device of the class described, having a fan blade and a fluid circulating pipe formed into a plurality of convolutions in two sections in the front and rear of said fan blade respectively, the combination of a casing, said casing being composed of two parts hinged together at the top, said hinge connection being formed with a



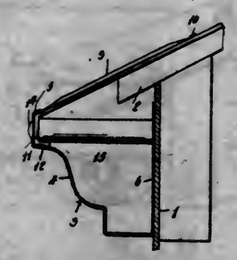
movable joint connecting the sections of said convolutions in the front and rear of said fan blade, and means for adjustably supporting the casing.

1,635,870. VEHICLE PROPELLING MECHANISM. VIRGIL D. WHITE, West Ossipee, N. H., assignor to Snowmobile Company, Rochester, N. H., a Corporation of New Hampshire. Filed Apr. 16, 1925. Serial No. 23,503. 9 Claims. (Cl. 180—22.)



1. In a motor vehicle, the combination of an axle, two driving wheels carried by said axle, a load sustaining frame, springs which support said frame and permit it to move up and down relatively to said wheels, brace members attached to said axle and moving therewith relatively to said frame as the latter moves up and down, two auxiliary wheels, and two auxiliary wheel carriers each attached to said axle intermediate the outer side of said frame and the adjacent wheels and intermediate the associated brace member and the adjacent driving wheel adjacent the inner side of the latter.

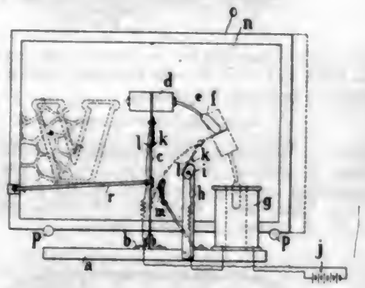
1,635,871. EAVES-TROUGH HANGER. JOSIAH C. WILSON, Richmond, Va. Filed Feb. 4, 1926. Serial No. 85,971. 1 Claim. (Cl. 108—29.)



In combination, an eaves-trough, a strap having an outer angular end presenting a downwardly extending vertical member provided with an opening and contacting with the inner surface of the outer wall of the eaves-trough, said end also presenting a horizontal member extending inwardly from the lower end of said vertical

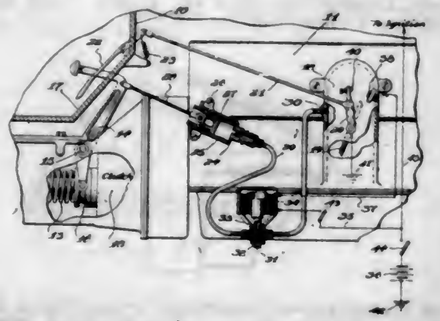
member, a sleeve or tube positioned with its inner end in contact with the inner surface of the inner wall of the eaves-trough and with its outer end resting upon said horizontal member and contacting with said vertical member, said horizontal member supporting the outer end of the sleeve or tube and said vertical member holding the sleeve or tube against outward movement, and a nail passing through the walls of the eaves-trough and through the opening in said vertical member and through the tube.

1,635,872. ELECTRIC MOTOR. VINCENT WISNIEWSKI, Berlin, Germany. Filed June 3, 1924, Serial No. 717,551, and in Germany June 6, 1923. 4 Claims. (Cl. 172—126.)



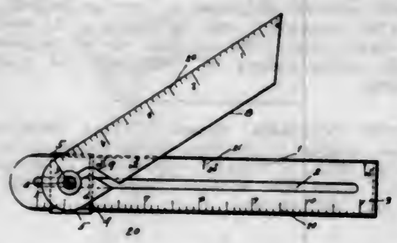
1. In an electric motor, a frame, an electromagnetic winding on said frame, a pendulum on said frame having a mass of magnetic material to be attracted by said winding when energized, a stationary contact on said frame, a movable contact on said pendulum to conductively engage said stationary contact and become disengaged from the same before said pendulum reaches the end of its oscillation, means to prevent a further conductive engagement between said contacts until the pendulum has returned to the same point of its oscillations, and circuit connections from a source of power to said winding and contacts.

1,635,873. MOTOR VEHICLE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 8, 1922. Serial No. 559,447. 11 Claims. (Cl. 74—107.)



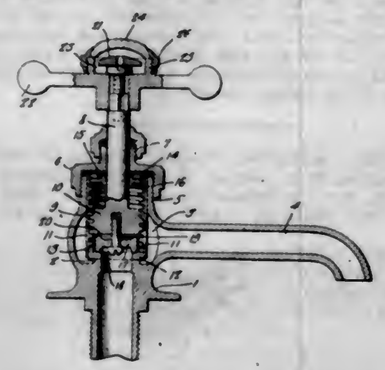
1. In a motor vehicle, the combination with a motor and a clutch, of means for manually operating the clutch, and means operated by the motor tending but not sufficient to operate the clutch.

1,635,874. COMBINATION CUT-OFF SCRIBER AND BEVEL SQUARE. ROY A. WYNKOOP, Detroit, Mich. Filed Sept. 27, 1926. Serial No. 137,914. 2 Claims. (Cl. 33—102.)



1. A combination cut-off scriber and bevel square adapted to use for carpenter joinery, comprising a thin metal gage blade having a slotted recess formed nearly the entire length thereof and having one end of said blade bent at right angles to the side of said blade, and forming an end angle bar thereby, an adjustable angle bar slidably mounted on said gage blade, capable of being moved to any desired position thereon, bolt means engaging said adjustable angle bar and the slotted recess of the gage bar, and a detachable blade member engaging said bolt, said detachable blade being capable of turning to any desired angle with said gage blade.

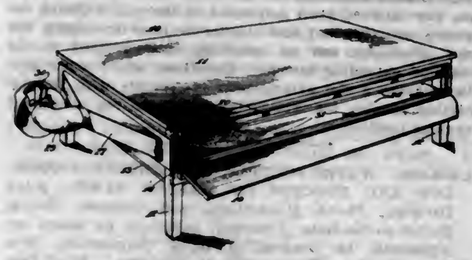
1,635,875. FAUCET. WILLIAM F. ALBRECHT, Salt Lake City, Utah. Filed Dec. 10, 1926. Serial No. 153,946. 4 Claims. (Cl. 251—156.)



1. A faucet of the class described comprising a body, an internally threaded barrel removably fitting in the body and capable of being reversed in the body, a washer carried by each end of the barrel, either one of which is adapted to engage the valve seat in the body, a valve head threaded to engage the threads in the barrel and having a part for engaging the washer at the inner end of the barrel, said barrel having holes therein for permitting the escape of the water into the spout of the washer, a stem connected with the head, a handle on the stem and a cap encircling the stem and threaded to a part of the body for removably holding the parts in position.

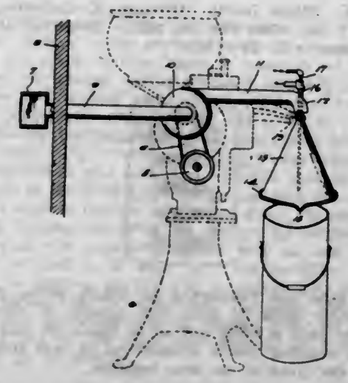
1,635,876. FUR-DRYING APPARATUS. HENRY A. ALTER, Yonkers, and HERBERT J. WOLLNER, MORRIS SCHWARTZMAN, and BENJAMIN SCHWARTZMAN, New York, N. Y. Filed Mar. 11, 1927. Serial No. 174,582. 7 Claims. (Cl. 34—26.)

1. A fur drying apparatus comprising a cabinet having inlet and outlet openings respectively provided in opposed walls thereof, and spaced converging fur receiving panels removably supported within said cabinet between



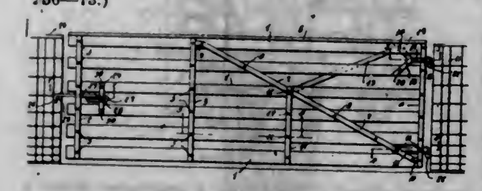
said inlet and outlet openings and co-acting with certain other opposed walls of said cabinet to provide an enclosed conduit between said inlet and outlet openings.

1,635,877. AERATOR AND COOLER FOR CREAM SEPARATORS. IRVING S. ANDERSON, Franklin, Minn. Filed June 1, 1926. Serial No. 112,962. 5 Claims. (Cl. 257—53.)



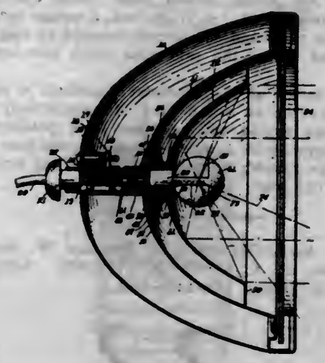
1. In combination, a conductor pipe, a blower associated with said conductor pipe, one terminal of the conductor pipe being directed downwardly, a water outlet pipe extending through the downwardly directed portion of the conductor pipe co-axially therewith, a cone-shaped container into which the lower end of the water exhaust pipe is threaded, and a water intake pipe extending through the water outlet pipe into the container terminating adjacent the bottom end thereof.

1,635,878. GATE. EDWARD E. ANSON, Clarksville, Ohio. Filed Feb. 12, 1925. Serial No. 8,836. 1 Claim. (Cl. 256—73.)



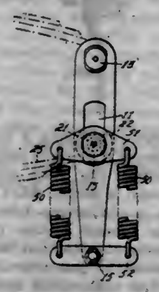
A gate comprising horizontal slats, a vertical bar secured to the slats at the hinged end of the gate, a second vertical bar secured to the slats between the ends of the gate and located nearer the free than the hinged end thereof, a diagonal brace secured to the slats and extending from the lower end of said first bar to the upper end of said second bar and having horizontally disposed end portions contacting with said bars, a vertical brace positioned between said bars and extending downwardly from the diagonal brace, said vertical brace being located nearer the second than the first of said bars and secured to the diagonal brace and certain of the slats, a second diagonal brace extending upwardly from the point of connection between said first diagonal brace and vertical brace in the direction of the hinged end of the gate, a lower strap positioned between a pair of slats and secured to said first vertical bar and said first diagonal brace, an upper strap positioned between another pair of the slats and secured to said first bar, said upper strap being provided with oppositely inclined arms secured to said last named pair of slats and the second inclined brace, and a vertical bar secured to the slats adjacent the free end of the gate.

1,635,879. HEADLAMP SHIELD. SAMUEL F. ARBUCKLE, Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Jan. 28, 1924, Serial No. 688,947. Divided and this application filed Mar. 10, 1924. Serial No. 698,011. 4 Claims. (Cl. 240—48.6.)



1. A light shield for lamp bulbs comprising a plate in front of the bulb having a conformation corresponding to that of the bulb with a base edge below the lamp filament axis, said plate being attached directly to the lamp.

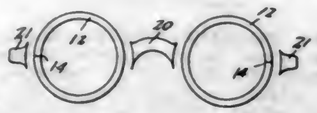
1,635,880. SHOCK-ABSORBER SHACKLE. FREDRICK DONALD ARMSTRONG, West Kogarah, near Sydney, New South Wales, Australia. Filed Nov. 21, 1924, Serial No. 751,341, and in Australia Dec. 27, 1923. 2 Claims. (Cl. 267—29.)



1. A relief shackle for leaf springs characterised in that the shackle is constituted of a pair of rectangular section slotted bars spaced apart by a fixed foot member

and a fixed shackle bolt and which carry a movable shackle bolt which extends through the slots in the bars, said movable shackle bolt suspended from the shackle foot bolt by helical springs in tension and fitted with washered slide blocks operatively disposed in said slots, said blocks having through holes therethrough from a grease cell in the shackle bolt to the working faces, said holes adapted for distributing lubricant on said faces in the movement of said blocks in the shackle bar slots.

1,635,881. OPHTHALMIC MOUNTING. NELSON M. BAKER and FRANK FRASER, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 25, 1923. Serial No. 670,678. 3 Claims. (Cl. 88—41.)



1. An ophthalmic mounting of the character described comprising eye pieces formed from rolled tube stock, said stock being cemented at its end, a bridge cemented between said rings and end pieces cemented to said rings at the point where the said tube stock has been cemented.

2. In a device of the character described, a pair of lens rims having an outer layer of substantially semi-circular cross section and an inner layer parallel with the outer layer, both layers being one continuous piece, and a bridge member cemented to each of the lens rims to connect the same.

1,635,882. RATCHET DRILL. HERBERT W. BARBOUR, New Bern, N. C. Filed Oct. 7, 1925. Serial No. 61,145. 3 Claims. (Cl. 145—70.)



3. A ratchet device comprising a body, a pair of gear wheels rotatably mounted on said body, a frame member having legs straddling the gear wheels and pivotally mounted on said body, a handle fixed to the frame member and including a stationary tubular section, a rod mounted within the tubular section for axial and angular movement relative thereto, the inner end of the rod projecting in between the gear wheels, pawls pivoted to the inner end of the rod, spring means for urging the pawls into engagement with the gear wheels when the rod is properly positioned angularly, a grooved washer in which said spring is mounted, said washer non-rotatably held on the inner end of the rod, and locking means on the inner end of the rod to hold said washer, pawls and spring into cooperating relation, and whereby to prevent inward displacement of said pawls, means for limiting the outward axial movement of the rod, a spring coacting with the rod and tubular section for urging the rod outwardly, and an operating member fixed to the rod and extending laterally therefrom, said tubular section having a slot arrangement co-operable with the operating member for releasably locking the rod in desired angular position.

1,635,883. WATER-SOLUBLE CONDENSATION PRODUCT AND PROCESS OF MAKING SAME. KARL DAIMLER, FRANZ MARSCHALL, and GERHARD BALLE, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1924, Serial No. 755,099, and in Germany Aug. 12, 1922. 6 Claims. (Cl. 260—159.)

1. Process of producing water-soluble condensation products which consists in treating with a powerful sulfonating agent the resinous oil condensation product obtainable by heating in the absence of a condensing agent an aralkylhalide with an aromatic polynuclear hydrocarbon.

1,635,884. SHOE LACE. MICHAEL K. GILEWICZ, New York, N. Y. Filed Feb. 10, 1927. Serial No. 167,318. 4 Claims. (Cl. 24—143.)



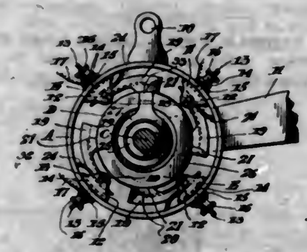
1. A shoe lace comprising an elastic lacing member permanently fixed in place and capable of stretching when the shoe is being put on or taken off, and disengageable securing means independent of said lacing for locking the front of the shoe together.

1,635,885. COMBINATION WHISK-BROOM HOLDER AND SHOE POLISHER. LAWRENCE E. GOELLER, Circleville, Ohio. Filed Dec. 4, 1926. Serial No. 152,646. 3 Claims. (Cl. 15—227.)



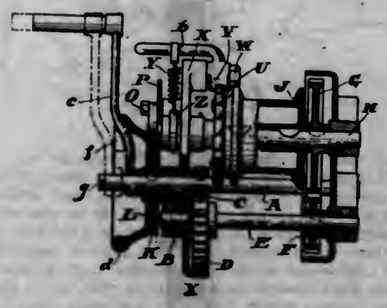
1. A device of the character described comprising an open ended casing adapted to receive the human hand, a shoe shining element attached to one wall of the casing in such a manner as to form an article receptacle between the wall and casing, a flap carried by the casing and normally overlying one end of the device, and means for detachably connecting the flap to the casing wall on the opposite side of the shoe shining element, consisting of ear portions extending from the free end of the flap, adapted to be fastened to the casing wall by any suitable means.

1,635,886. COMMUTATOR. EDWARD GRATTON, Detroit, Mich. Filed June 2, 1925. Serial No. 34,408. 1 Claim. (Cl. 200—26.)



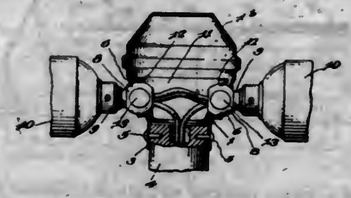
In a commutator of the character described, the combination with a casing provided with an arm for regulating the spark, a cam shaft, a plurality of binding posts in the casing, spring actuated pivotally mounted arms on said binding posts, a sleeve for the cam shaft formed with an annular shoulder and a slot in one end, an insulating washer adapted to contact with said arms and formed with a central annular recess adapted to fit on the sleeve and to engage with the shoulder thereon, a slot in the washer communicating with the annular recess, a contact member adapted to fit on the shaft and into the annular recess in the washer, an extension integral with said member provided with an arm having its end adapted to fit flush with the periphery of the washer, a securing pin adapted to engage with the slot in the sleeve and to extend into the shaft and a cup shaped cap screw-threaded to engage with the screw-threaded end of the shaft and designed to retain the securing pin in position.

1,635,887. HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingelsoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 23, 1926. Serial No. 137,299. 1 Claim. (Cl. 254—186.)



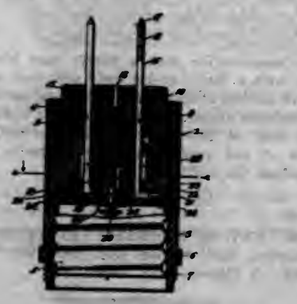
A winch comprising a drive shaft, a handle mounted on said drive shaft and free to move longitudinally thereof, a brake drum connected to said drive shaft having a flange forming a hand wheel, said flange being notched to receive said handle and provided with a pair of lugs extending toward each other and partly inclosing said notch.

1,635,888. CLUSTER CONSTRUCTION. CHRISTIAN HANSON, Chicago, Ill., assignor to Advance Parcholite Corporation, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1925. Serial No. 41,765. 3 Claims. (Cl. 240—78.)



1. In a cluster construction a shell consisting of a base having a neck and provided with a plurality of openings, a resilient band having spaced portions secured to the shell and provided with holes in alignment with said openings and balls frictionally engaged by the walls surrounding said holes and said openings.

1,635,889. COMBINED LAMP SOCKET AND CURRENT TAP. WILLIAM ILE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 19, 1925. Serial No. 31,488. 3 Claims. (Cl. 173—334.)



1. A device of the class described including an insulating body having spaced longitudinal openings and provided also with spaced transverse openings intersecting the longitudinal openings and communicating therewith and at their ends opening through said body, double contact springs arranged in the transverse openings, each consisting of a strip of flat material bent intermediate its ends to form an open-sided recess and straight alining portions extending in opposite directions from the open side of said recess, said oppositely directed portions being bent back upon themselves intermediate their ends to form resilient inwardly extending contact fingers arranged at acute angles to said oppositely directed portions and terminating adjacent the closed side of said recess and spaced therefrom, and conductor bars passing through said longitudinal openings and passing snugly through and conforming to the configuration of said open-sided recesses of the contact springs for clamping the closed side of the recess of each contact spring against the adjacent wall of the respective transverse opening whereby to secure the contact springs in relatively fixed position in the insulating body.

1,635,890. IMPALING TRAP. JEROME D. JEFFERSON, Federalsburg, Md., assignor to Del-Mar-Va Sales Company, Laurel, Del. Filed Mar. 9, 1927. Serial No. 173,829. 10 Claims. (Cl. 43—79.)

10. An impaling trap comprising a base having at one side a horizontal supporting surface, spaced by an intermediate recess from an abutment at the opposite end of

the base, said spaced portion being provided with an aperture to permit access thereto, a sliding impaling pin mounted upon the supporting portion to engage the abut-



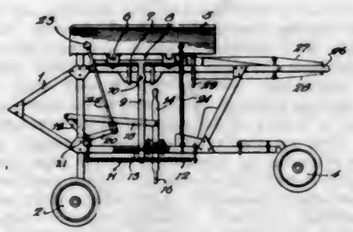
ment, and a trigger engaging said pin and disposed intermediate the pin and aperture and in alignment with said aperture.

1,635,891. COMPACT EJECTOR FOR VANITY CASES. WILLIAM G. KENDALL, Newark, N. J. Filed Jan. 11, 1927. Serial No. 160,440. 6 Claims. (Cl. 132—83.)



1. The combination with a vanity case having a hinge provided with a pintle and a body provided with a catch, of a plate having a knuckle surrounding said pintle, said plate extending across the bottom of said body, and means forming part of the plate interlocking with the catch structure of the vanity case for normally holding the plate against the bottom of the body.

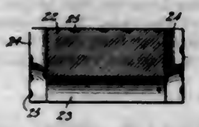
1,635,892. FLYING MACHINE. ELMER GLENN KINZIE, Logansport, Ind. Filed Oct. 18, 1926. Serial No. 142,344. 5 Claims. (Cl. 244—20.)



1. In a flying machine of the character described, the combination with a frame, of a T-bar having a vertical portion and a horizontal portion, the said bar being pivotally connected with the said frame, springs attached to the frame and to the lower end of the vertical portion of the T-bar to hold the same elastically in place, wings secured to the bar pivotally and in adjustable relation thereto, means for working the wings up and down, a tail plane mounted at the rear of the said frame, and means for actuating the tail plane.

1,635,893. CORNICE BLOCK. JOSEPH LYNCH, Perth Amboy, N. J. Filed Mar. 8, 1927. Serial No. 173,708. 4 Claims. (Cl. 72—86.)

1. A block of the class described of generally rectangular formation having a longitudinally extending groove in its under face adapted to receive a supporting rod, and having a transverse groove in one of its end faces intersecting the first mentioned groove and adapted



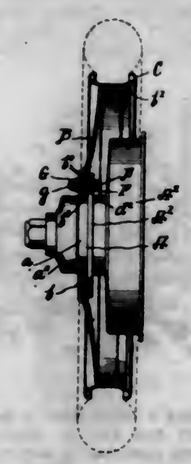
to receive a hanger bolt, said second mentioned groove being enlarged to accommodate a supporting rod encircling eye on the hanger bolt.

1,635,894. VEHICLE WHEEL. ANDRÉ JULES MICHELIN, Paris, France. Filed Apr. 16, 1920, Serial No. 374,505, and in France Dec. 8, 1913. 34 Claims. (Cl. 301—63.)



1. A vehicle wheel comprising a hub, an annular dished web plate of resilient metal provided with a flanged periphery, and with a central annular reinforce integral therewith and adapted to slip freely over said hub, and means for detachably connecting the reinforced central portion of said web plate to said hub.

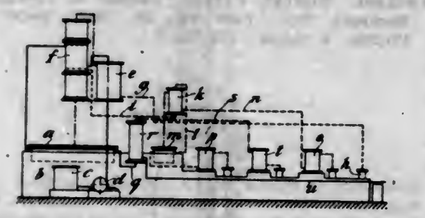
1,635,895. VEHICLE WHEEL. ANDRÉ JULES MICHELIN, Paris, France. Filed Apr. 16, 1920, Serial No. 374,506, and in Great Britain May 20, 1916. 21 Claims. (Cl. 301—63.)



12. In a wheel of the type described, the combination with a hub having a plurality of laterally-extending studs, of a body mounted on said hub and a tire rim mounted

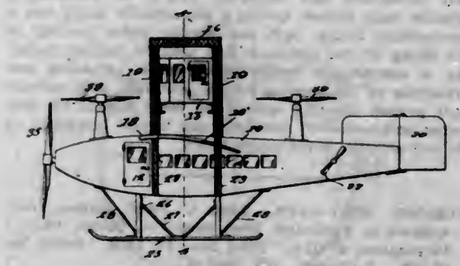
on said body, and nuts on said studs engaging the body, said nuts being so formed and co-operating with the body so that they are held fast by the driving torque for holding said body tight on said hub and thereby causing said body and rim to run true and silently under varying driving stresses.

1,635,896. DISTILLATION OF TAR. JOHN STANLEY MORGAN and DOUGLAS RIDER, London, England, assignors to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Filed June 1, 1922, Serial No. 565,102, and in Great Britain June 7, 1921. 7 Claims. (Cl. 196—92.)



1. A process of distilling tar, which consists in feeding the tar under the surface of a mass of molten metal, maintaining the temperature of the molten metal at a temperature adapted to vaporize the more volatile constituents and to leave as residue of the distillation semi-pitch containing the greater part of the anthracene present in the tar, withdrawing from the surface of the metal the semi-pitch produced and raising the temperature of the semi-pitch to that at which it gives up the anthracene which it contains.

1,635,897. AEROPLANE. HANS JULIUS NELSON, Palo Alto, Calif. Filed Dec. 23, 1925. Serial No. 77,302. 1 Claim. (Cl. 244—15.)



In an aeroplane, a body portion, landing devices mounted below said portion, a driving propeller, lifting propellers mounted on vertical axes, a plane extending transversely of the body portion, a pilot house above the plane and body portion, vertical elements supporting the pilot house, guiding propellers independently controlled and having their axes of rotation in alinement, transversely of the body portion and on opposite sides thereof, and braces extending from the upper portion of the pilot house to the surface of the plane, at the end portions thereof.

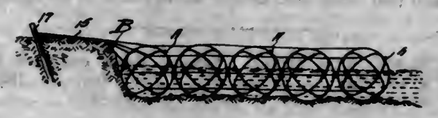
1,635,898. VEHICLE SIGNAL. EMIL W. NITZ, Rochester, Minn. Filed Nov. 11, 1926. Serial No. 147,774. 5 Claims. (Cl. 116—42.)

1. In a vehicle signal, a casing, a sign forming one wall thereof, a hinged cover normally covering the obverse face of said sign, a disk rotatably mounted in said casing in a plane at right angles to the plane in which the sign is disposed, a push link pivoted to the disk and to the aforesaid cover for outwardly swinging the latter when



the disk is turned in one direction, the casing being formed with a slot through which said link passes, and means for effecting turning of said disk.

1,635,899. JETTY AND UNIT THEREFOR. CARL L. NOHLEN, Cleburne, Kans. Filed Dec. 9, 1926. Serial No. 153,631. 5 Claims. (Cl. 61—3.)



1. A jetty unit consisting of a plurality of circular hoops intersecting each other at different angles and rigidly connected to each other to form an open work sphere.

1,635,900. HANGER AND SUPPORT. FRANK OBIOLS, Winnemucca, Nev., assignor of one-half to Thomas A. Sykes, Winnemucca, Nev. Filed Sept. 10, 1925. Serial No. 55,553. 2 Claims. (Cl. 40—151.)

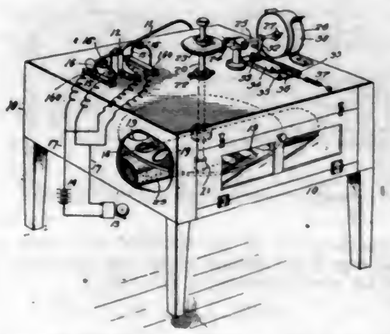


1. A wire easel of the character described comprising an inverted substantially V-shaped base portion, an arm extending from the apex of said V-portion, a pair of arms extending in divergent relation from said first mentioned arm, a downwardly and laterally directed arm extending forwardly from the free end of each of said divergent arms, each of said last mentioned arms having the free end thereof formed to set up a laterally directed substantially U-shaped article engaging member having the legs thereof lying in a plane extending substantially at right angles to the arm of which it forms a part.

1,635,901. INCUBATOR. ALBERT OLLER, Waldron, Ark. Filed Apr. 16, 1924. Serial No. 706,937. 3 Claims. (Cl. 119—35.)

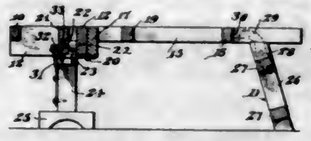
3. An incubator comprising a casing, a vertical shaft, an egg carrier mounted upon the shaft within the casing, a spring motor, a shaft receiving motion from said motor

mounted upon the top of the casing, a gear connection between said shaft and said vertical shaft, a movable ventilator member mounted on the top of the casing over



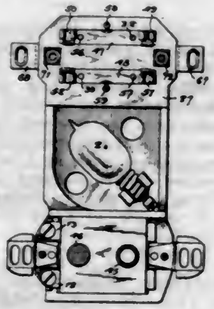
an opening therein, a spring holding said member normally in closed position and a crank on the motor driven shaft that moves said member in opposition to the spring.

1,635,902. TUB BENCH. FRED F. PAGEL and CARL E. KLAWITTER, La Crosse, Wis. Filed Jan. 25, 1927. Serial No. 163,451. 1 Claim. (Cl. 68—35.)



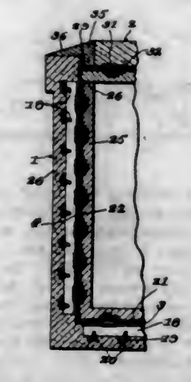
The combination with a bench having foldable sections hingedly connected together at their inner ends, legs for the outer ends of said sections, a support for the inner ends of said sections comprising a standard provided with a relatively wide foot, a socketed hanger block on the bench, a hinge connecting the standard to the block, and a snap spring hinge latching element on the standard having a ball engaging keeper adapted to enter the socket in the hanger block for locking the standard in supporting relation to the bench.

1,635,903. ELECTRIC FITTING. MALCOLM PETERSON and MARTIN J. DANIELSON, Bridgeport, Conn., assignors to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 17, 1924. Serial No. 738,196. 1 Claim. (Cl. 173—330.)



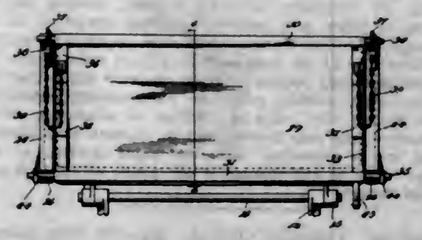
An electric fitting comprising an insulating base, a plurality of electrical devices of different character mounted on one face of the base, shunt bars located on the opposite face of the base and electrically connected to said devices, wire terminals electrically connected to the shunt bars, said base being recessed at one end to form a depressed ledge shaped to interchangeably receive the bases of contacts differently located thereon, mean establishing electrical connection between said shunt bars and said contact bases, together with cover block means shaped to the ledge and to the contacts mounted thereon, and having a depth substantially coincident with the depth of the ledge, means for holding the cover block in position on the base, and means for supporting the base in an outlet box or the like.

1,635,904. BURIAL VAULT. ERNEST H. PINKERTON, Harlingen, Tex. Filed Feb. 26, 1927. Serial No. 171,268. 6 Claims. (Cl. 72—7.)



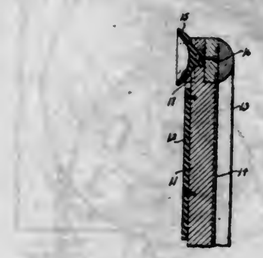
1. A burial vault comprising a metallic reinforced metallic container having an open top, a lining for said container having its top positioned below and in proximity to the top edge of the container, an outer covering for and throughout said container, and a lid including a metallic body portion having a non-metallic lining and a non-metallic facing, said non-metallic lining seating on the lining of the container, and said lid further including a non-metallic facing continuation extending and projecting on the covering for the container, said metallic body portion abutting against the inner face of the container and connected therewith and further concealed by its non-metallic facing continuation.

1,635,905. END GATE. JOHN C. POTH, Galion, Ohio, assignor to Perfection Steel Body Co., Galion, Ohio, a Corporation of Ohio. Filed Nov. 17, 1925. Serial No. 69,665. 2 Claims. (Cl. 296—51.)



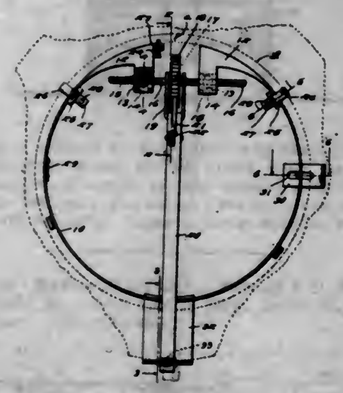
1. In combination with a body, of a pivoted end gate therefor having an edge portion bent to provide a channel, a pivot rod located in the channel, angle bars reenforcing the end portions of the gate and closing the open ends of the said channel, and retainers carried by the angle bars and extending across the open side of the channel and in contact with the said pivot rod to hold it in place.

1,635,906. WINDSHIELD ATTACHMENT. JOHN E. REED, Quinter, Kans. Filed Mar. 21, 1925. Serial No. 17,300. 1 Claim. (Cl. 20—40.5.)



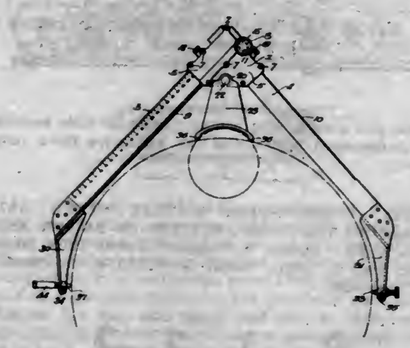
The combination with a vehicle window or windshield, of an attachment comprising a frame adapted to engage against the window or windshield, a compressible cover for the engaging face of the frame, a transparent panel secured to the frame and spaced from the engaging face of the latter to provide a dead air space between the window or windshield and the panel, said frame having recesses in the engaging face thereof and interrupted portions at the corners of the compressible lining at said recesses and rubber vacuum elements carried by the frame to removably secure the panel frame in position, said elements being disposed within the recesses when the panel is in use.

1,635,907. COMBINED TIRE AND RIM CARRIER AND RIM TOOL. JOHN C. RUMMER, Flemington, Pa., assignor of one-half to David Stewart, Lock Haven, Pa. Filed Oct. 28, 1926. Serial No. 144,740. 3 Claims. (Cl. 224—29.)



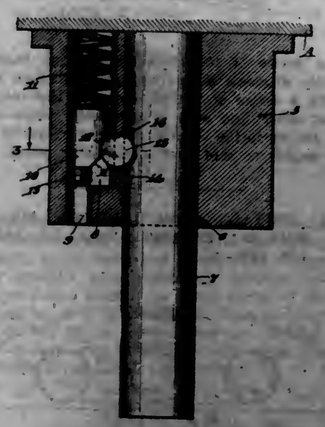
3. A tire carrier of the character described including an expansible and contractible band split at one point, the ends of the band having inwardly extending heads, vertically slotted longitudinally and transversely, the transverse slots extending downward to the lower face of the corresponding head, approximately globular nuts mounted in the transverse slots of said heads for oscillation, an oppositely threaded screw passing through the heads and engaging said nuts, manually operable means for rotating said screw in either direction and tire clamping means mounted on the band in each side of the split therein.

1,635,908. CALIPERS. JOSEPH STUART, Wilmington, Del., assignor to Lobdell Car Wheel Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 17, 1924. Serial No. 738,171. 8 Claims. (Cl. 33—165.)



1. Calipers comprising a body, arms adjustable in the body and relatively movable to vary the distance between the corresponding extremities, a support member pivotally secured to the body and adapted to assume an operative position between said arms, and resilient means tending to move said member on its pivot toward one of the arms.

1,635,909. REMOVABLE PUNCH. MAX EMIL TOBELER, Detroit, Mich. Filed Dec. 29, 1926. Serial No. 157,820. 1 Claim. (Cl. 279—30.)



A device of the character described, comprising a body having a tool socket and a cavity at one side thereof opening into the same, a tool removably insertable in the socket and having a wedge shaped notch, a roller located in the communication between the cavity and socket and engageable in the notch, and manually displaceable spring tensioned means having stepped wedge surfaces coacting with the roller for automatically forcing the same into the notch.

1,635,910. CAR TRUCK. JAMES H. TUCKER, Petersburg, Va. Filed Feb. 13, 1925. Serial No. 8,965. 6 Claims. (Cl. 105—183.)

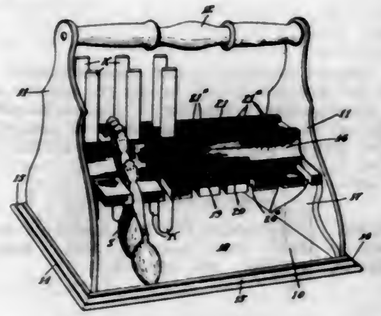
1. A car truck comprising a pair of truck units each embodying a set of wheels, side frames connecting them,

and a bolster supported at its ends in the side frames and having its central portion depressed to a level below



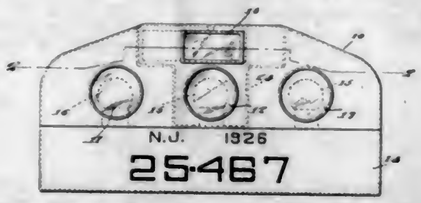
its ends, and a connecting bolster having its ends bearing on said depressed portions of the respective truck unit bolsters.

1,635,911. COMBINATION DISPLAY STAND AND CARRYING TRAY FOR ARTICLES OF SILVER AND THE LIKE. ALBERT H. VEGKLEY, Forest Hills, Mass. Filed Dec. 1, 1924. Serial No. 753,114. 6 Claims. (Cl. 211—28.)



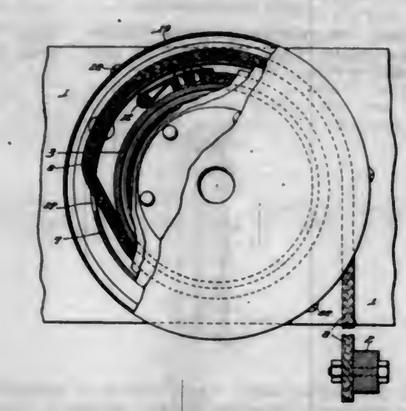
1. In a device of the class described, a base, and a horizontally disposed holder supported thereon and provided with a series of spaced slots for the reception of articles of silver, and with a superposed series of spaced slots for the reception of other articles of silver disposed at right angles to said first named slot series.

1,635,912. SIGNAL. AUREA D. WAGNER, Atlantic City, N. J. Filed Oct. 22, 1926. Serial No. 143,443. 1 Claim. (Cl. 116—45.)



A signal of the character described comprising a casing having spaced upper and lower lenses on one wall thereof, a vertically disposed electric light bulb arranged behind the lower lens, an indicator of segmental contour in plan pivoted within the casing for movement in a horizontal plane and having its curved wall operating behind the upper lens, said wall being divided into halves, each half having a particular significance and adapted to be singly presented to view through the upper lens, said signal being arranged directly above the bulb and adapted to be illuminated thereby, and means for operating said indicator from a remote point.

1,635,913. MOTION-CONTROLLING MECHANISM. JOHN WARREN WATSON, Wayne, Pa. Filed June 6, 1919. Serial No. 302,218. 6 Claims. (Cl. 267—10.)



1. In mechanism adapted to control relative motion between two elements, a member adapted to be secured to one of said elements, a member revolvable with relation to said first-mentioned member, a flexible member adapted to be secured to said other element and which is wrapped upon said revolvable member and which also frictionally engages said first-mentioned member, and a spring connecting said flexible member to said first-mentioned member.

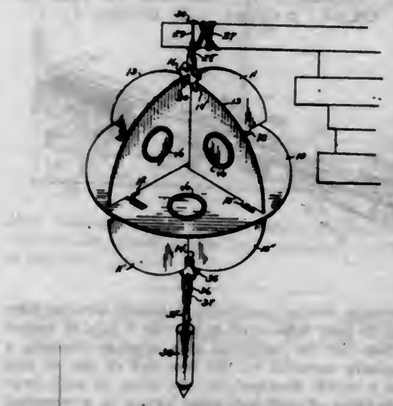
1,635,914. CRUTCH. JOHN A. WEIS, San Luis Obispo, Calif. Filed Nov. 16, 1926. Serial No. 148,696. 4 Claims. (Cl. 135—49.)



2. A crutch comprising a bifurcated crutch staff, a hand grip mounted between the separated parts thereof, an arm rest, tubular members depending from said arm rest and spaced apart a distance normally somewhat less than the distance between the upper ends of the arms of the bifurcated staff, spacing blocks or discs mounted in said tubular members and cushioning means interposed between adjacent discs, whereby a crutch is provided which may be readily adjusted as to the distance between the arm rest and the hand grip and a frictional contact secured between the arm rest tubes and the arms of the

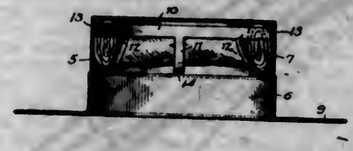
bifurcated staff, due to the inherent spring force in said arms when sprung toward each other sufficiently to enter the lower ends of the tubular members, substantially as set forth.

1,635,915. TRAFFIC WARNING DEVICE. WILFRED JONES WHITE, Detroit, Mich. Filed Aug. 18, 1926. Serial No. 130,035. 2 Claims. (Cl. 40—128.)



2. A warning device, comprising a main plate, elements hingedly connected with the plate and movable to angular position with reference to each other, and means for retaining said elements in angular relation, said means including a pivotally mounted device movable thru one of the hinged elements and alongside of the remaining hinged elements.

1,635,916. HAT COVER AND CARRIER THEREFOR. BENJAMIN MILLARD WILLIAMS, Philadelphia, Pa. Filed Aug. 10, 1926. Serial No. 128,395. 2 Claims. (Cl. 2—185.)



1. An attachment for hats particularly adapted to hold a folded cover within the hat crown when not in use comprising an elongated resilient member adapted to be bowed to conform to the curve of the hat crown and provided with depending fingers to engage with the crown.

1,635,917. MASSAGE DEVICE. FREDERICK M. WRIGHT, St. Louis, Mo. Filed Sept. 5, 1925. Serial No. 54,803. 2 Claims. (Cl. 128—55.)



1. A massage device including a casing open at one end, a wheel rotatable in said casing, a removable cap closing the open end of said casing, percussion members slidably carried by said cap and removable from the casing with the cap, said percussion members being provided at their outer ends with suction cups and at their inner ends with heads, the heads and suction cups serving to limit sliding of the percussion members through said wheel and prevent displacement of said members when the cap is removed, means for rotating said wheel, and means carried by the wheel to sweep over the heads at the inner ends of said percussion members for depressing the same when the wheel is rotated.

1,635,918. COMBINATION DISH AND COVER. ANTOINE L. ALAJ, Chicago, Ill. Filed Jan. 30, 1926. Serial No. 85,013. 4 Claims. (Cl. 65—53.)



1. A combination dish and cover comprising a dish element formed of a continuous, shallow body portion closed at its bottom and provided at its top with an outwardly directed, right angularly disposed continuous flat flange terminating in a continuous up-standing portion merging into an outwardly directed, right angularly disposed continuous flat rim, said flange and rim, in cross section, extending in parallel planes, and a cover element formed of a continuous hollow open bottom body portion and a top for the latter and with said body portion having its lower edge conforming in contour to the shape of, seating on and co-extensive with said flange, said top arranged within and positioned below the upper edge of the cover element body portion to provide in connection with that part of the latter projecting above said top therefor a pocket conforming in contour to the body portion of a dish element seated in said pocket for receiving and holding such body portion.

1,635,919. SURGICAL APPLIANCE. CEDELIA BARTHOLOMEW, San Francisco, Calif. Filed Apr. 25, 1923. Serial No. 634,476. 2 Claims. (Cl. 128—130.)



1. A surgical appliance for the uterus, comprising a shank portion adapted to extend into the orifice of said organ which shank comprises a plurality of spaced substantially parallel wire arms, and portions adapted to extend around and engage the outer cervix of said organ, which portions curve outwardly and then rearwardly from one end of the shank portion and are formed as continuation of said wire arms, the inner ends of the arms of said shank being joined and diverged.

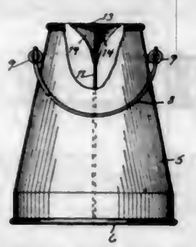
1,635,920. AUXILIARY FASTENER FOR DOORS. PRESTON BELVIN, Richmond, Va. Filed Sept. 30, 1925. Serial No. 59,637. 2 Claims. (Cl. 292—300.)



1. An auxiliary fastening device for a hinged door comprising an attaching plate to be secured to the hinged edge of the door, and a locking finger projecting from the plate and, in the closed position of the door, engaging in a recess formed in the door frame, the said

finger being of arcuate form and tapered towards its free end and having one edge concentric to the axes of the hinges for the door whereby the prong will have wedging fit in the recess when the door is closed.

1,635,921. MILKING PAIL. DONALD W. BENNETT, Winton, Calif. Filed July 19, 1926. Serial No. 123,549. 1 Claim. (Cl. 31—50.)



In a milking pail having an open top and a closed bottom, a division plate positioned within said pail, and vertically disposed therein, a horizontally disposed plate secured to the top of said pail and to said division plate, and fillers positioned adjacent said division plate and said horizontally disposed plate, for the purpose specified.

1,635,922. WALL BOARD. PAUL THEODORE BETGRAU, Berkeley, Calif. Filed Nov. 17, 1925. Serial No. 69,691. 1 Claim. (Cl. 154—45.9.)



A wall board, comprising a cementitious body, wooden strips wholly enclosed in an open weave fabric and embedded in the body, a cementitious facing for the body, said facing having a portion of its ends thickened, and a sheet of an open weave fabric between the body and facing and wrapped entirely around the end wooden strip to form the enclosure therefor, the board having beveled edges and the outer portion of the end wooden strips underlying only a portion of the beveled edges.

1,635,923. ANCHORING STAKE. NORRIS E. BRAY, Argyle, Wis. Filed Aug. 25, 1926. Serial No. 131,471. 1 Claim. (Cl. 189—91.)



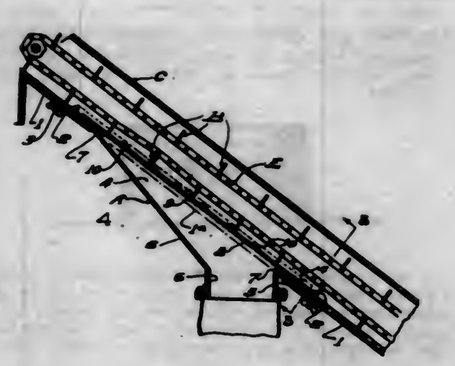
An anchoring stake comprising a cross sectionally rounded shank having one of its ends rounded to provide a hook and its opposite end flattened and widened to provide a substantially triangular fluke, the bill of the fluke being arranged in a line with the axial center of the shank, the sides of the fluke being rounded in opposite directions from the fluke and the upper ends of the fluke being rounded from the shank to the sides of the said fluke.

1,635,924. MASSAGE DEVICE. THOMAS ANDREW BUCKLEY, Yonkers, N. Y. Filed July 14, 1926. Serial No. 122,446. 2 Claims. (Cl. 15—20.)



1. A massage device comprising a handle member having one of its ends bifurcated to provide a pair of spaced resilient jaws for the reception of a massage element, a ball swingingly mounted on the free end of one of said jaws, and a notch provided on the other of said jaws for the reception of said ball when swung to a clamping position.

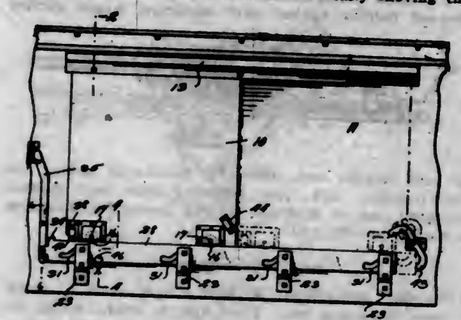
1,635,925. BOLTER. MARVID C. CARLSON, Fort Dodge, Iowa. Filed Oct. 12, 1926. Serial No. 141,142. 1 Claim. (Cl. 209—358.)



A bolter comprising, in combination, a plane screen, a flexible conveyor in proximity to the screen and having bars movable thereover, and an undulating track adapted to move the conveyor bars away from and towards the screen surface at an angle thereto to agitate the material while conveying the same over the screen.

1,635,926. SLIDING DOOR FOR CARS OR BARNS. DAVID EMERY CONRAD, Eldon, Iowa, assignor of one-half to Van V. Baldwin, Eldon, Iowa. Filed Sept. 4, 1926. Serial No. 133,668. 9 Claims. (Cl. 16—99.)

1. The combination with a sliding and vertically movable door, a vertically movable track upon which the door slides, and means automatically locking the door when the door and track are lowered, said means freeing the door for longitudinal movement when the door is raised, of means acting as the door and track are raised, automatically shoving the door towards open position when the door is closed, and means acting as the door and track are raised, automatically shoving the door towards closed position when the door is open, said second named means being manually shiftable out of operative position.

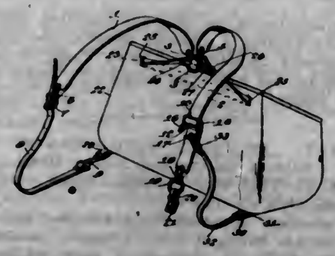


1,635,927. PERPETUAL CALENDAR. ARTHUR L. CURTIS, Chicago, Ill. Filed Jan. 16, 1925. Serial No. 2,725. 2 Claims. (Cl. 40—117.)



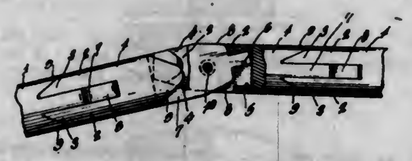
2. In a perpetual calendar, the combination of a casing having a display opening therein, a frame member removably supported by said casing, said frame member having a recess therein, three month indicating blocks adapted to be disposed horizontally in the upper part of said recess, year indicating tubes associated with the ends of said month indicating blocks, a plurality of day indicating blocks adapted to be disposed vertically in the lower portion of said recess, a spacing block between said month indicating blocks and said day indicating blocks, said spacing block having a longitudinal recess therein for receiving projections on the upper ends of said day indicating blocks, day-of-the-week characters on said spacing block, a locking block having a recess therein for receiving projections on the lower ends of said day indicating blocks, and means for locking said locking block in said frame member.

1,635,928. CREEL CARRIER. WILLIAM R. DAVIS, Wallace, Idaho. Filed Mar. 6, 1926. Serial No. 92,905. 3 Claims. (Cl. 224—5.)



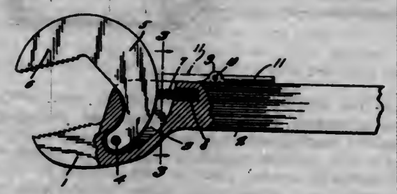
1. A harness for supporting a creel comprising a pair of main supporting straps adapted to be passed across the shoulders of a wearer, a ring connecting the rearward ends of said supporting straps, a buckle carried by said ring, an attaching strap secured at one end to said ring and adapted to be threaded through horizontally spaced openings in the upper portion of the back of the creel and then engaged with said buckle, an attaching strap adjustably and detachably connected with the forward end portion of one of said main supporting straps and having a snap hook at its free end, a link carried by the lower portion of said creel at the end thereof adjacent to said snap hook, said snap hook being engageable with said ring, a buckle carried by the lower portion of said creel adjacent its opposite end, a strap engageable with said buckle and having a snap hook at its free end, and a hook member adjustably carried by the forward end portion of said second named supporting strap with which said snap hook is engageable.

1,635,929. UNIVERSAL FLEXIBLE SHAFT. ELMER C. DEAN, Frankfort, Ind. Filed Apr. 8, 1925, Serial No. 21,622. Renewed June 3, 1927. 2 Claims. (Cl. 64—30.)



1. A flexible shaft including a plurality of pivotally connected sections, each section including a body having spaced ears at one end and a recess between the ears, a centrally disposed tongue at the other end of the body having reduced outer ends and a tapered ear upon each side of said tongue.

1,635,930. WRENCH. PETER A. FOASDAHL, Sulphur Springs, Alberta, Canada. Filed June 28, 1924. Serial No. 723,011. 1 Claim. (Cl. 81—99.)

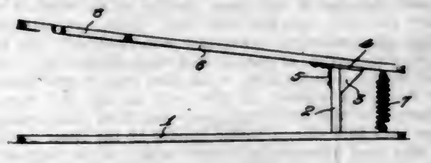


A wrench including a fixed jaw having an offset shank provided with a pocket adjacent to the jaw, a swingable jaw having a rounded shank which is received in the pocket and pivoted therein, there being a pair of upstanding ears on the shank of the fixed jaw, a stop rod pivoted therebetween and normally held from movement by frictional engagement, said stop rod being swingable into contacting engagement with the pivoted jaw and designed to rest against the shank of the fixed jaw when in such contacting engagement.

1,635,931. AMUSEMENT DEVICE. THOMAS J. FREE, Neillsville, Wis. Filed June 2, 1926. Serial No. 113,229. 1 Claim. (Cl. 272—55.)

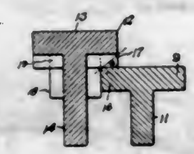
An amusement device comprising an elongated flat substantially rectangular base designed to rest on the ground or on a floor surface, an upright secured to the base adjacent to one end of said base, said upright having its outer end cut at an inclination and having on its outer face a head extension whose outer edge is cut at the same inclination as the upright, a compressible strip on the outer end of the upright and on the head, a seat

carrying a plate of a length approximately that of the base having its under face resting on the compressible strip and being hingedly connected to the upright, and



spring means between the plate and base for normally sustaining the plate in contacting engagement with the compressible strip.

1,635,932. GRATE. JOHN R. FULWEILER, Moylan, Pa. Filed Jan. 2, 1925. Serial No. 257. 4 Claims. (Cl. 126—163.)



2. An upper grate bar of T-shaped structure provided with horizontal and vertical supporting lugs, and a lower supporting bar for so engaging said lugs as to prevent the warping of said upper bar.

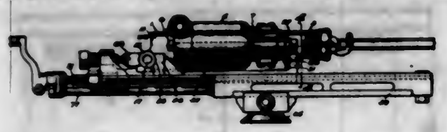
1,635,933. ILLUMINATED SCREW DRIVER. VINCENT GENOVES, Honolulu, Territory of Hawaii. Filed May 25, 1926. Serial No. 111,610. 3 Claims. (Cl. 240—6.4.)



1. A tool of the character described, comprising a handle, a working member, a sleeve at one end of said member for engagement over one end of said handle and having a cone portion extending therefrom provided with an eccentrically located aperture and adapted to receive said member end, illuminating means within said cone portion eccentrically of the end of said handle and in alignment with said aperture, for directly illuminating the other end of said member, a battery in said handle and having a center electrode, and a contact element concentrically of and engaged by the illuminating means and the center electrode.

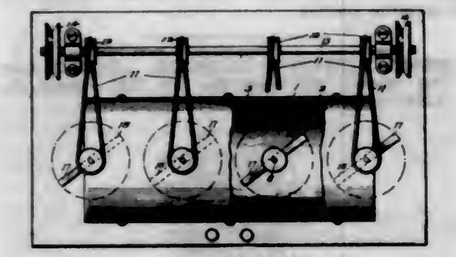
1,635,934. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed Aug. 22, 1923. Serial No. 658,825. 20 Claims. (Cl. 255—51.)

1. A drilling machine having in combination, a cradle, supporting means in which said cradle is slidingly mounted, means for feeding the cradle relatively to said supporting means, a percussive hammer tool, said tool having a reduced rearward end, lugs projecting from opposite sides of said reduced rearward end, said cradle having lugs at opposite sides thereof embracing said reduced rearward end of said percussive hammer tool and against which said lugs projecting from opposite sides of said reduced rearward end bear, releasable means for engaging the rearward end of said percussive hammer tool and forcing the same forwardly to clamp it against said lugs projecting from said cradle, said percussive hammer tool having side bolts, means forming forwardly facing shoulders at the forward portion of said percussive hammer tool, a member carried by said side bolts and clamped thereby against said shoulders, means carried



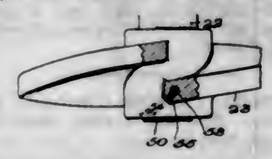
by said member and cradle for detachably locking the two together, said lugs projecting from said reduced rearward end of said tool having means for attaching a handle to said tool.

1,635,935. SOLENOID MOTOR. ALEXANDRE F. GODFROY, St. Louis, Mo. Filed Apr. 8, 1922. Serial No. 550,671. 2 Claims. (Cl. 172—36.)



1. An electric motor which comprises a hollow solenoid, a plurality of armatures disposed along the axis of said solenoid and adapted to be affected by a variation in the field of the solenoid, a driven shaft, connections between the armatures and said shaft whereby motion of the armatures is transmitted to the shaft, a circuit connected with the solenoid, and means in the circuit for varying the current in the solenoid in accordance with the motion of the armature.

1,635,936. SACKING, PACKING, AND MIXING MACHINE. MONROE GOTTEN, Memphis, Tenn. Filed Mar. 25, 1926. Serial No. 97,437. 13 Claims. (Cl. 226—25.)



2. In a machine of the character described, means for sacking and packing a granular material and mixing a liquid therewith including a packing auger having discharge means, and means for supplying a liquid to said discharge means.

1,635,937. ANIMATED WIND-OPERATED ORNAMENT. STANLEY GRILLO and JOSEPH GUERRA, Tuckahoe, N. Y. Filed Sept. 28, 1926. Serial No. 138,251. 2 Claims. (Cl. 46—14.)

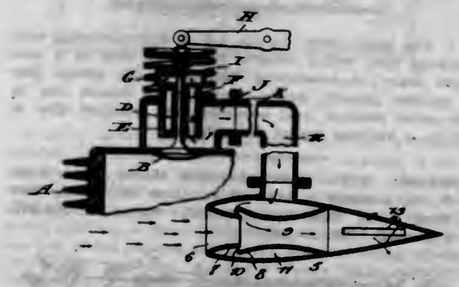
2. An ornament of the character described, including a bearing bracket having a pair of spaced parallel arms having alined bearing openings, a shaft journaled for rotation in the bearing openings and having oppositely disposed crank terminals, representative figures journaled on the crank terminals, a wind-wheel connected with the

shaft for rotating the same, and means for limiting the representative figures to a rocking movement upon rotation of the shaft, consisting of slotted portions in the



bearing bracket arms, and arms on the representative figures having offset terminals engaging and movable in said slotted portions.

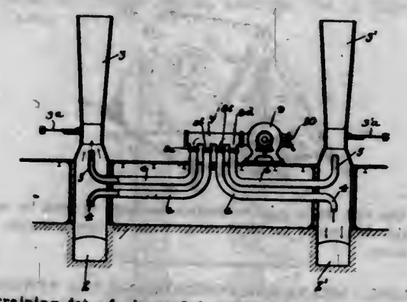
1,635,938. COOLING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JOHN W. HUDSON, Lynbrook, N. Y. Filed Oct. 16, 1920. Serial No. 417,297. Renewed Dec. 4, 1926. 2 Claims. (Cl. 60—32.)



1. The combination with an internal combustion engine including its exhaust manifold and exhaust valve and means for controlling movements of the latter, of a guide member for the stem of the exhaust valve, said guide member having a portion interior of the manifold and a portion exterior of the manifold, the said guide member having an air space opening at one end on to the exterior portion of the member and at its opposite end on to the interior portion thereof, a valve carried by the aforesaid exhaust valve and movable therewith and with respect to the exterior portion of the guide member so as to respectively cover and uncover said space in movements of the exhaust valve, and means for inducing suction in said manifold, said means comprising a hollow member having an intake end and an exhaust end, a throat section arranged in said member, the walls of the throat section at one end of the latter extending directly against the walls of said hollow member in sealed engagement therewith, the walls of the throat section at the opposite end thereof being in communication with said intake, and an opening between the ends of said hollow member for communication with the exhaust manifold.

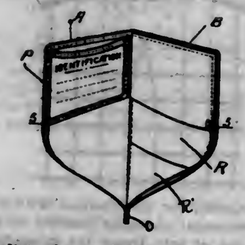
1,635,939. APPARATUS FOR REVERSING AND CONTROLLING REGENERATIVE FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 15, 1923. Serial No. 619,184. 3 Claims. (Cl. 158—7.5.)

2. Apparatus of the class described, comprising an outwardly opening duct leading from each end of a regenerative furnace, an air nozzle in each of said ducts, and means for supplying air to said nozzles for the creation in one of said ducts of an inwardly directed air-



entraining jet of air, and in the other of said ducts of an outwardly directed air jet for entraining and discharging waste gases from said furnace.

1,635,940. WALLET. MAXWELL KANZEL, New York, N. Y. Filed Sept. 22, 1926. Serial No. 136,961. 3 Claims. (Cl. 150—38.)



1. In a wallet, the combination of a body made from a single sheet of leather foldable upon itself to form a pair of wings, said wings being disconnected at the top and sewn together at the bottom, a rectangular member separating said wings from each other and sewn to said body along two of the four edges thereof and a series of pockets along one side of said partition member.

1,635,941. VANITY-CASE HINGE. WILLIAM G. KENDALL, Newark, N. J. Filed July 3, 1926. Serial No. 120,832. 1 Claim. (Cl. 220—31.)



A vanity case, comprising a flanged body, the flange of the body having a cut out portion and provided with an integral tubular pintle, said pintle being of a length equal to the cut out portion, disposed therein intermediate the depth thereof and offset inwardly a distance equal to the thickness of said flange, and a flanged cap, the flange of the cap having at the edge an extension of a width equal to the said cut out portion and bent around said tubular pintle.

1,635,942. FOLDING FARROWING HOUSE. HANS KNUDSEN, Schleswig, Iowa. Filed Oct. 31, 1925. Serial No. 66,002. 2 Claims. (Cl. 119—19.)

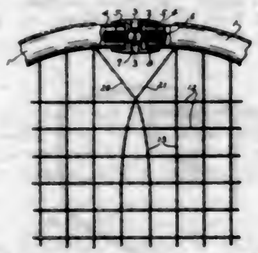
1. In a folding farrowing house, side walls hinged together, said side walls terminating at their free ends in sleeves, base rods disposed in said sleeves, folding sec-

tional end walls hinged to said side walls, doors for said end walls, cross rods releasably connecting said base rods, angle pieces releasably connecting said cross rods



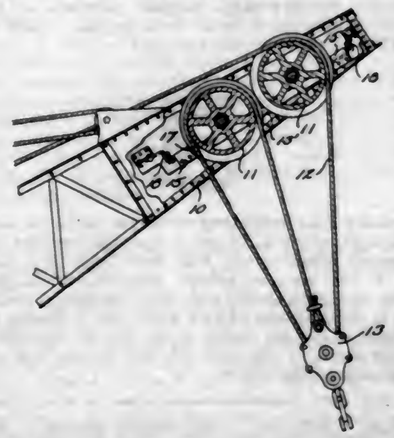
and the end walls, and retaining brackets carried by one of said side walls for said cross rods in one position of the same.

1,635,943. MEANS FOR CONTROLLING THE TENSION OF A TENNIS-RACKET STRINGING. WILLIAM A. LARNED, Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 7, 1924. Serial No. 684,810. 1 Claim. (Cl. 273—73.)



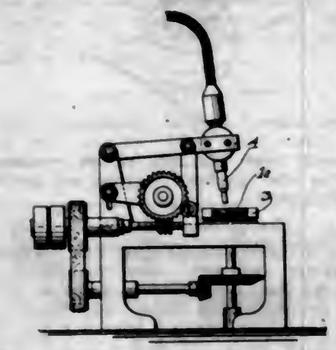
In a tennis racket, the combination with a frame and vertical and horizontal stringing therein of a turnbuckle located at the top of said frame for expanding and contracting the same, and with the two vertical strings which are nearest to the longitudinal axis, crossed upon each other and also crossed upon the top horizontal string.

1,635,944. CABLE GUIDE. JOHN ANDREW LE BLANC, White Castle, La. Filed Aug. 2, 1926. Serial No. 126,555. 2 Claims. (Cl. 254—190.)



1. The combination with a support and a sheave journaled thereon, of a cable guide comprising spaced angle bars mounted on the support at opposite sides of the sheave and in close proximity thereto, and a block supported on said angle bar directly in advance of said sheave and having a curved edge conforming to and arranged in close proximity to the periphery of said sheave, and cooperating with said bars to permit a cable to be guided into the sheave at different angles without jumping the latter.

1,635,945. MANUFACTURE OF WIRE-DRAWING DIES. KENNETH B. LEWIS and FRANK H. ELLSWORTH, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 14, 1924. Serial No. 699,263. 7 Claims. (Cl. 76—107.)



1. The improvement in the art of manufacturing wire drawing dies, which consists in heating dies to a uniform degree, automatically hammering the heated dies a uniform amount, power punching the heated dies in the same manner, and quenching the punched dies to obtain a uniform degree of hardness.

1,635,946. TIE. HARRY BARNETT MAPOU, New York, N. Y., assignor of one-half to Jacob M. Green, New York, N. Y. Filed Apr. 24, 1926. Serial No. 104,487. 2 Claims. (Cl. 2—146.)



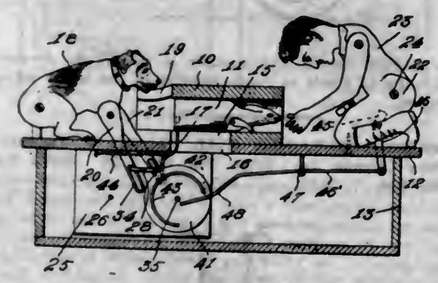
1. In a necktie including a tubular body of a stretchable material and a lining, a rubber elastic tape independent of the lining secured to the inner ply of the body longitudinally thereof for tensioning the same against stretching and for returning the same to a normal unstretched position.

1,635,947. TOOTHPICK HOLDER. CARL MARCH, Chicago, Ill. Filed Sept. 8, 1926. Serial No. 134,318. 1 Claim. (Cl. 206—28.)



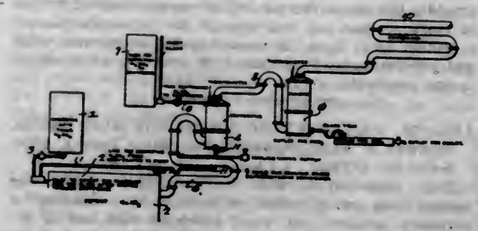
A sanitary tooth pick holder comprising a receptacle having its bottom extended beyond one wall thereof, a short wall rising from the bottom and forming a trough therewith, said wall of the receptacle having a transverse slot through which the tooth picks are discharged into the trough, said walls having aligned finger receiving openings, an inverted V-shaped member arranged within the receptacle and reposing upon the bottom thereof, and defining a compartment for a reserve supply of tooth picks, one wall of said member constituting an inclined partition for guiding the tooth picks in the direction of said slot, and said wall having a finger receiving opening, whereby the member can be slightly elevated to release a quantity of the tooth picks contained in said compartment.

1,635,948. MECHANICALLY-OPERATED FIGURE TOY. GEORGE W. MILLER, Waynesville, N. C. Filed Sept. 1, 1926. Serial No. 133,047. 4 Claims. (Cl. 46—40.)



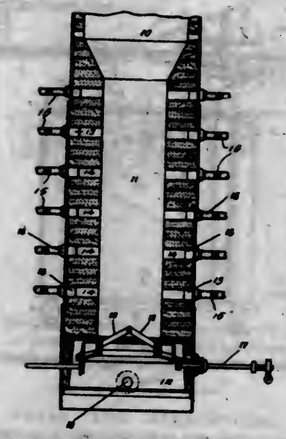
1. In a device of the character described, a hollow member, an animal-like figure normally arranged within the member, means intermittently projecting the figure beyond said member a predetermined distance, means for retracting said figure within the member from its projected position, a figure representing a hunter disposed at one side of the member and having arms extending toward the latter, said last mentioned figure being pivotally mounted to gravitate toward said member, and means controlled by the first mentioned means for normally holding said figure spaced from the member and allowing said figure to gravitate in the direction of the member at a predetermined interval.

1,635,949. MANUFACTURE OF NITRIC ACID. EDWIN L. NELLIS, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Oct. 29, 1921. Serial No. 511,264. 7 Claims. (Cl. 23—160.)



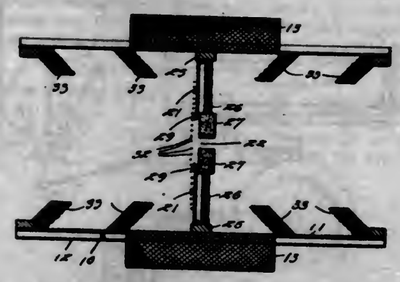
1. In the manufacture of nitric acid by distillation of reaction products of nitrate of soda with sulfuric acid, the process which comprises reserving approximately one-fourth of the total amount of sulfuric acid used in a distillation, and passing said reserve acid into the still in countercurrent to the weak distillate.

1,635,950. PROCESS FOR THE MANUFACTURE OF SPONGE IRON. PHILLIP WILLIAM NEVILL, Perth, Western Australia, Australia. Filed Nov. 21, 1925, Serial No. 70,639, and in Australia Dec. 1, 1924. 2 Claims. (Cl. 75—77.)



1. A process for the manufacture of sponge iron by reducing the oxides to metal without fusion, consisting in passing iron ore and carbonaceous fuel without flux through a shaft furnace and supplying air at a plurality of places, whereby reduction extends over a considerable zone so that excessive localized heating is avoided.

1,635,951. FLYTRAP. EDWARD M. NEWCOMER, Newburg, Iowa. Filed Sept. 14, 1926. Serial No. 135,897. 7 Claims. (Cl. 119—156.)

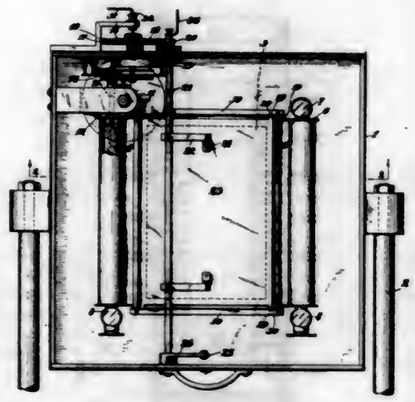


1. In a fly trap for removing flies from animals, a passage having the lower portions of the side walls thereof opaque and the upper portions screened, a screen ceiling for the passage, means combining with the ceiling to provide a fly trap and directing upwardly moving flies thereinto, means at the center of the passage for engaging an animal passing therethrough to remove flies therefrom and means upon the side walls of the passage directing flies moving upwardly upon said side walls toward the center of the passage comprising screen strips secured to said side walls and projecting inwardly therefrom, said screens inclining from their lower to their upper ends toward the transverse center of the passage.

1,635,952. RÖNTGEN-RAY PHOTOGRAPHIC MACHINE. MAURICE M. POMERANZ, New York, N. Y. Filed Nov. 25, 1925. Serial No. 71,388. 9 Claims. (Cl. 250—84.)

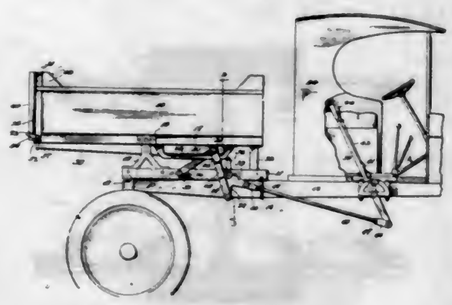
1. In a Röntgen ray machine, the combination with a Röntgen tube and electric circuit therefor, film supply and take up spools for moving a film into and out of

position for exposure, means for operating the film take-up spool, and means operated by the film moving means for intermittently arresting the motion of the film and its take up spool, of an electric switch operated in



harmony with the film and take up spool for automatically closing the tube circuit when the motion of the film is interrupted and opening the circuit when said motion is resumed.

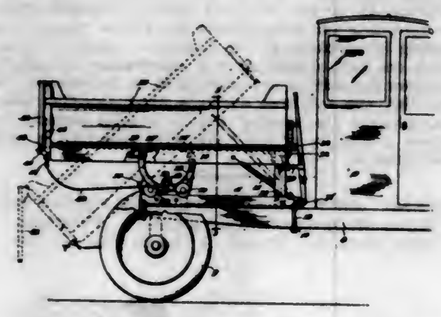
1,635,953. DUMPING UNIT FOR MOTOR TRUCKS. JOHN C. POTH, Galion, Ohio. Filed Oct. 2, 1924. Serial No. 741,254. 3 Claims. (Cl. 298—19.)



1. In a dumping unit for motor trucks, a frame, a pivoted body carried thereby, a guide secured to the body at its forward end, coacting levers one pivotally connected with the frame, a yoke at the upper end of the other of said levers straddling said guide, a roller mounted in said yoke to coact with the guide and the body, a pin extending through the yoke journaling the roller and pivotally connecting the former lever with the latter lever, and means associated with the latter lever for actuating the levers and tilting the body.

1,635,954. DUMPING UNIT FOR MOTOR TRUCKS. JOHN C. POTH, Galion, Ohio. Filed Mar. 27, 1925. Serial No. 18,829. 2 Claims. (Cl. 298—10.)

1. The combination with a supporting frame and a body mounted to tilt thereon, of pairs of rollers mounted upon the frame in spaced relation, the rollers of each pair being spaced apart and arranged in tandem, channel rockers attached to the body and disposed with the channels facing downwardly and receiving the respective pairs of rollers, and a retaining member mounted upon the frame and engaging over the rockers opposite the spaces between the rollers of the several pairs to hold



the rockers thereon and movable to release the rockers and body to admit of ready removal of the latter when required.

1,635,955. CONTAINER SEAL. ALBERT P. POUPART, New Orleans, La. Filed Aug. 23, 1926. Serial No. 131,039. 1 Claim. (Cl. 215—47.)

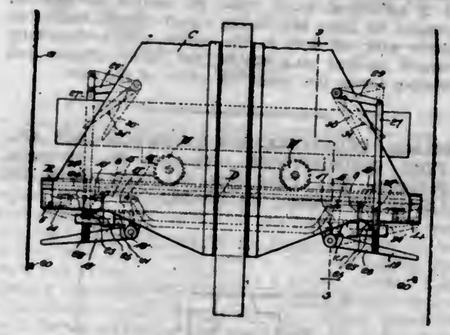


A seal for containers, the combination of a non-porous receptacle having one end thereof opened and having a flanged mouth on the open end thereof; said receptacle being adapted to receive a corroding acid, terminals adapted to be arranged in the receptacle and formed of pliable material adapted to bear at one end against the side walls of the receptacle and further adapted to straddle the flange thereof and a stopper adapted to rest in the container and bear against the terminals in such a manner as to force the terminals against the side walls and prevent upward movement of corrosion with respect to the terminals.

1,635,956. CAR-CHOCKING MEANS FOR MINE CAGES. STEPHEN J. REAP, Olyphant, Pa. Filed June 1, 1926. Serial No. 112,999. 4 Claims. (Cl. 187—97.)

2. In combination with a vertically movable cage having rails for alinement with rails at a landing; a normally operative car wheel chock at each end of the cage, separate operating levers for said chocks fulcrumed to the cage and extending transversely thereof, the outer ends of said levers being operatively connected with said chocks, transverse rock shafts mounted on the cage near the ends thereof and having crank arms linked to the inner ends of said levers actuating arms projecting from said rock shafts, the actuating arm at either end of the cage being active to move the chock at said end to an

extreme position beyond a wheel-clearing position, two latching bars extending longitudinally of the cage and connected with said crank arms of the rock shafts respectively, two latches for said bars mounted on the cage adjacent the aforesaid levers, the latch at either end of the cage being co-active with the latching bar connected to the rock shaft at the other end of said cage to hold the chock at the latter end in said extreme position, each chock being shaped for movement to but not beyond said



wheel-clearing position when engaged by a wheel of a car forced onto the cage to move a cage-carried car from the other end of said cage, and releasing means for said latches, movement of either rock shaft under the last mentioned or wheel-effected movement of the connected chock serving to release the latch of the latching bar connected to the other rock shaft permitting the previously held chock to return from said extreme position to operative position.

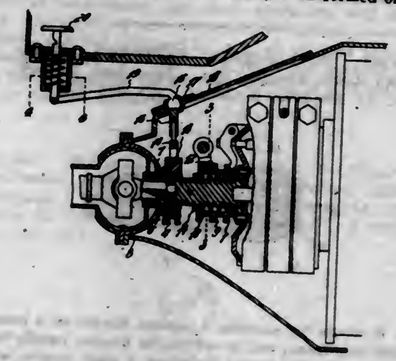
1,635,957. REENFORCED AIR HOSE. ALLAN S. RICHARDSON, Butte, Mont. Filed Aug. 3, 1926. Serial No. 126,842. 3 Claims. (Cl. 137—90.)



1. An air hose having a flexible suspension flange externally and continuously thereabout having means to facilitate attachment of the hose in use to a suitable support, said flange comprising connected strips separate from the hose and provided with inner portions extended along and in connection with the hose substantially upon opposite sides of the flange, whereby to reenforce the hose adjacent to the flange.

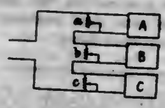
1,635,958. TRANSMISSION. FRED G. ROSE, Rocky Ford, Colo. Filed June 29, 1923. Serial No. 648,604. 1 Claim. (Cl. 192—67.)

In a transmission structure of the character described, a drum shaft including spaced longitudinal teeth, a collar slidably mounted on the shaft, teeth formed in the bore of said collar and engaging the teeth on the shaft to prevent rotation of the collar with respect to the shaft, means for shifting the collar on the shaft, a ring gear formed on one end of the collar, a universal joint associated with said shaft and including a squared portion, a hollow stub shaft having a squared portion to accommodate the corresponding portion of the universal joint, and an annular flange at one end thereof, teeth formed on the



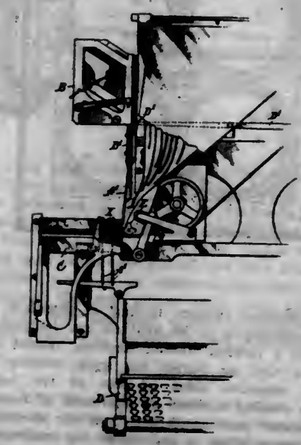
edge of the flange and adapted to be engaged by the internal teeth of said ring gear, and an abutment on said drum shaft for limiting the movement of the coller.

1,635,959. MEANS FOR REPRODUCING SOUND. HENRY JOSEPH ROUND, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 2, 1924, Serial No. 690,221, and in Great Britain Feb. 5, 1923. 9 Claims. (Cl. 179—1).



1. In means for reproducing sound, a plurality of diaphragms of different pitches each having its own electromagnet and the coils of the magnets being connected together and a shunt across one or more of the magnets.

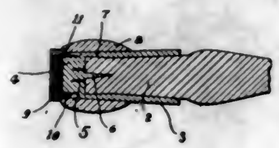
1,635,960. JUSTIFYING SPACER OR SPACE BAND. JOSEPH LEE ROUSSEAU, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Oct. 4, 1926. Serial No. 139,310. 6 Claims. (Cl. 199—68.)



1. In a linotype machine equipped with circulating matrices, means for assembling the matrices in line, and a series of justifying spaces arranged to enter the line

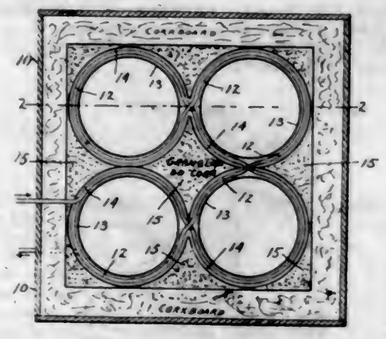
from above, said spacers being cut away at their lower ends so as to avoid contact with the side walls of the matrix characters as they enter the line.

1,635,961. TOOL-HANDLE FASTENER. PERRY EDWARD ROWE, Amarillo, Tex. Filed Sept. 9, 1926. Serial No. 134,510. 3 Claims. (Cl. 306—33.)



3. A means for securing a wooden handle on a hammer or like implement, and in which the wooden handle has a tapered end, said means including a split sleeve, which is tapered and which has its reduced end formed with a head extension, the latter being round in plan and having exterior teeth, the bore of the sleeve being tapered for a distance from its juncture with its head, said head having its inner face slitted and being formed with a rearwardly extending wedge between said slits, said wedge adapted to be inserted in the mentioned end of the handle to spread said end to contact with the bore of the sleeve, the outer face of the hammer head being beveled around its eye and the sleeve adapted to be inserted through said eye and a split nut screwed on the head of the sleeve and having an inner cone face received in and contact with the eye of the hammer head.

1,635,962. ICE-CREAM CABINET. CHARLES D. RYDER and CHARLES F. MOORES, New York, N. Y.; said Ryder assignor to Rotary Refrigeration, Incorporated, New York, N. Y., a Corporation. Filed Jan. 2, 1925. Serial No. 291. 4 Claims. (Cl. 257—192.)



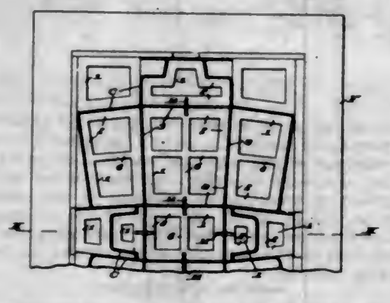
4. A refrigerator cabinet having a plurality of containers for substances to be kept at low temperature by the action of a flowing cooling medium, means comprising an inlet and an outlet for such cooling medium situated on opposite sides of one of the containers whereby the cooling medium at extremes of temperature will be adjacent such container, and for directing flow of such cooling medium to and about the exterior of each of the other containers in succession from said inlet and from the last container to the outlet adjacent the first container.

1,635,963. ROTARY VALVE. CHARLES HENRY SEIFERT, Hempstead, N. Y. Filed May 18, 1926. Serial No 109,946. 4 Claims. (Cl. 123—190.)



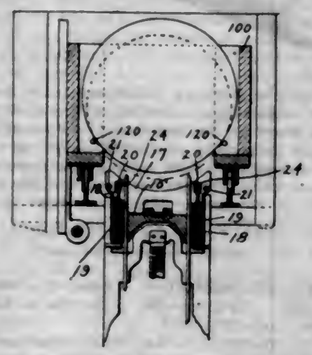
1. A cylindrical rotary valve for engines, constituting a passage for gases and having a port therein adapted to register with the port in the engine, and a diagonally arranged packing ring around the valve cylinder and extending across the transverse plane of the port.

1,635,964. FURNITURE FOR PAPER-BOX DIES AND TYPE COMPOSITIONS. WILLIAM W. SHINNICK, Baltimore, Md. Filed June 21, 1926. Serial No. 117,477. 23 Claims. (Cl. 93—58.)



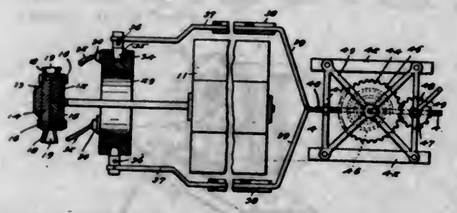
16. The combination of a plurality of blocks for use as die blocks or as printer's furniture each block being provided with a keyway located in its side face and upper surface and coinciding with the similar keyway of another block and a key inserted in the coincident keyways to hold the blocks in position.

1,635,965. PHONOGRAPH. OBERLIN SMITH, Bridgeton, N. J.; Percival H. Smith executor of said Oberlin Smith, deceased. Filed June 25, 1926. Serial No. 118,582. 8 Claims. (Cl. 274—10.)



3. A magazine or holder for records of automatic playing machines having means to support in the same record receiving space records of different diameters at different times, comprising a movable record engaging device that yields under the weight of one record, but does not yield under the weight of another record.

1,635,966. PROPELLER. HARMON G. STANTON, Grand Rapids, Mich. Filed Aug. 14, 1926. Serial No. 129,214. 3 Claims. (Cl. 170—163.)



1. In a propeller, the combination with a driven shaft, a hub secured thereto a rim surrounding the hub in spaced relation thereto and rigidly connected therewith, radially directed blades having their inner ends rotatably mounted in the hub and their outer ends rotatably mounted in the rim, means longitudinally adjustable upon and rotatable with relation to the shaft and connected with said blades for rotating the blades about the pivots thereof, said means comprising a ring surrounding the shaft and having in its periphery a groove, a second ring slidably engaged in the groove and held against rotation with relation to the first named ring, a rack connected with the second ring, a disk confronting the toothed face of the rack and having a spiral rib for coaction with the teeth of the rack and means for rotating said disk.

1,635,967. COMBINATION CIGARETTE OR CIGAR AND MATCH. FRED STONE, Rosalia, Wash. Filed Feb. 4, 1926. Serial No. 86,027. 1 Claim. (Cl. 131—52.)



In combination with a cigarette having a wrapping and a filling of tobacco, the wrapping having overlapping edges secured together, the outer overlapping edge having a tab extending circumferentially of the wrapping and having its outer end fastened to the wrapping; and a match extending longitudinally on the outside of the wrapping and held to the cigarette by virtue of its engagement with the tab.

1,635,968. TOOL. CHARLES STROBL, Appleton, Wis. Filed June 19, 1926. Serial No. 117,146. 3 Claims. (Cl. 51—206.)



1. In a tool of the character described, a rotatable shaft, a frame mounted on one end of the shaft for rotation therewith, a circumferential series of tool carriers pivotally mounted on said frame, each carrier terminating to provide an offset apertured extremity, grinding tools associated with said carriers, rods pivotally supported on said frame and upon which the said apertured extremities of said carriers slide, springs surrounding said rods and arranged to exert an outward pressure on said carriers, and means on the outer ends of said rods for limiting the outward movements of said carriers for the purpose specified.

1,635,969. INFLATABLE TOY. JOHN F. WINKLER, Painesville, Ohio, assignor to The Wooster Rubber Company, a Corporation of Ohio. Filed Apr. 11, 1924, Serial No. 706,085. Renewed May 25, 1927. 3 Claims. (Cl. 46—37.)



1. A toy device of the character described, comprising, in combination, head and body members of elastic material in one piece, a circular band adjustable longitudinally between said members to limit their respective diameters, said body member tapering downwardly and terminating with an orifice, and a pair of supporting members spaced apart to form a slot adapted to engage and hold said tapered lower end when drawn therein, substantially as set forth.

1,635,970. BRUSH. HENRY CAVE, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed June 20, 1925. Serial No. 38,581. 3 Claims. (Cl. 15—206.)

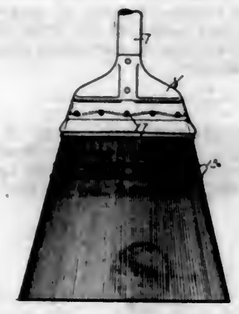


1. A brush comprising a core having brush material secured thereto and bent into a frame-like form with the ends outturned at an angle to the main part of the frame, said core being devoid of bristles for a distance on both sides of said outturned ends, and a cover sleeve enveloping said bared portion of the core and having a hole opening laterally at substantially the lengthwise center thereof through which said bent ends extend, whereby said ends are held against separation and the form of the frame and rigidity thereof is preserved.

1,635,971. BROOM. HENRY CAVE, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 31, 1925. Serial No. 53,541. 2 Claims. (Cl. 15—171.)

1. A broom including a broom body formed of strands closely associated and compacted at one end, a holding

band encircling said strands near the end of the broom body, a head encircling the end of said broom body, and rivets extending through said head and said broom body,

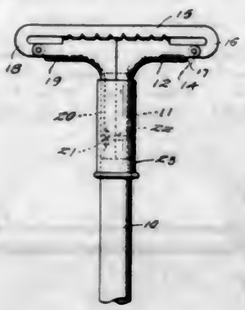


said rivets and holding band being arranged to dispose part of the rivets above and the rest of the rivets below said band.

1,635,972. MILK-SUGAR BISCUIT. BANESVAR DASS, Bloomfield, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Feb. 18, 1922. Serial No. 537,605. 3 Claims. (Cl. 99—11.)

1. A whole wheat flour biscuit containing not substantially below five percent of milk sugar.

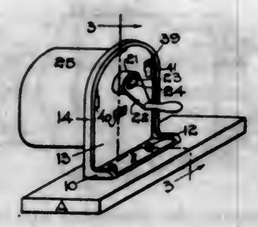
1,635,973. MOP HOLDER. NIKOLAI HILL, Iron Belt, Wis. Filed May 17, 1926. Serial No. 109,632. 3 Claims. (Cl. 15—150.)



1. A mop holder including a stick, a clamping jaw formed of two sections, each section having a complemental shank receiving the stick end, one of the shanks being permanently secured to the stick and the other releasably engageable therewith, a second clamping jaw pivotally connected at each end to the sections forming said first jaw, and means slidable on the stick into and out of embracing relation to the said shanks for holding the parts in mop cloth clamping position.

1,635,974. PENCIL SHARPENER. MILTON D. MERRIHOLE, Milford, Conn., assignor to The Ansonia Novelty Company, Ansonia, Conn., a Corporation of Connecticut. Filed Sept. 7, 1926. Serial No. 134,094. 9 Claims. (Cl. 120—96.)

1. In a pencil sharpener, a box for receiving the cuttings from a pencil, consisting of a casting constituting the top, bottom, side and rear walls of said box, and a blank of metal constituting the front wall of the box, said blank of metal being of outline to snugly fit within the open end of the casting adjacent the bottom wall of the



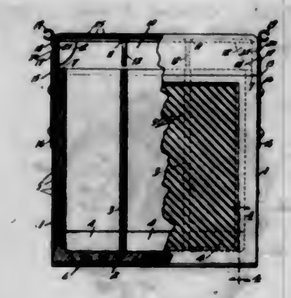
box between the side walls thereof, and said blank of metal including lugs adapted to be fastened in depressions in the end portions of said bottom and side walls.

1,635,975. COUPLING FOR TIRE CHAINS. WILLIAM T. NARDIN, Moorestown, N. J., assignor to George J. Campbell, Philadelphia, Pa. Filed Aug. 31, 1926. Serial No. 132,673. 6 Claims. (Cl. 24—232.)



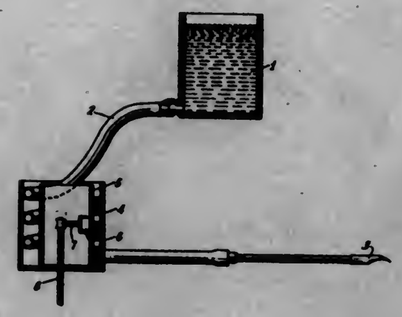
1. A chain coupling comprising a member adapted to be permanently attached to one end of the chain and having a slot with a terminal spur and a vari-directional lateral approach for reception of the end link at the other extremity of the chain, the terminal spur of such slot being inclined somewhat relative to the longitudinal axis of the member in a direction away from the approach aforesaid.

1,635,976. STORAGE-BATTERY CONTAINER. LEON O. PERCY, Cincinnati, Ohio, assignor to The Cooper Corporation, Cincinnati, Ohio, a Corporation of Delaware. Filed Sept. 27, 1922. Serial No. 590,773. 2 Claims. (Cl. 206—2.)



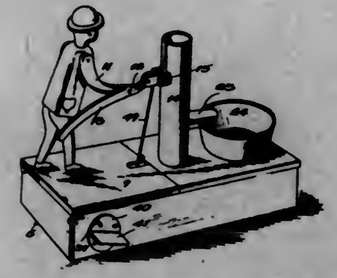
1. A receptacle cover, of mouldable material, having interior reinforcing ribs integral therewith, the opposite ends of the ribs thickened and integral with the side walls of said cover.

1,635,977. INK SUPPLY FOR PICTURE RECORDERS. RICHARD HOWLAND RANGER, Newark, N. J., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Aug. 19, 1925. Serial No. 51,192. 4 Claims. (Cl. 178—96.)



1. In a graphic recorder utilizing marking fluid, the combination of a marking stylus, a marking fluid reservoir and power driven means for supplying fluid from said reservoir to said stylus under the positive pressure.

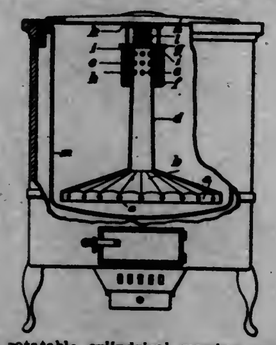
1,635,978. TOY PUMP. JOSEPH A. ROSS, Nanticoke, Pa., assignor of one-half to William L. Delaney, Sheatown, Pa. Filed Dec. 28, 1923. Serial No. 683,218. 2 Claims. (Cl. 46—37.)



1. A toy pump comprising a substantially closed casing having means within the same defining a substantially closed reservoir and a substantially closed motor compartment, a receptacle on the top of the casing communicating with the reservoir, a tubular member extending above the casing and receptacle down into the reservoir, said tubular member having a spout discharging into the receptacle, the portion of the tubular member above the casing representing a pump body, reciprocable means within the tubular member for elevating water from the reservoir through the tubular member to the spout, a handle mounted on the tubular member and connected with the reciprocable means, a figure having a movable member associated with the handle for apparently actuating the same, and a motor concealed within the casing and operatively associated with the reciprocable means for reciprocating the reciprocable means.

1,635,979. WASHBOILER. WALTER SAARE, Leipsig, Germany. Filed Mar. 6, 1926, Serial No. 92,913, and in Germany Sept. 25, 1925. 2 Claims. (Cl. 68—30.)

1. The combination of a wash boiler, with an insertion consisting of a shallow round bonnet having a perforated circumferential edge and an upwardly extending central tube thereon having outlet openings in its top end, of



an axially rotatable cylindrical member on the top end of said tube having apertures therein adapted to coincide with the outlet openings in said tube.

1,635,980. ELECTRICAL TESTING APPARATUS FOR FLUID-PRESSURE ENGINES. FRANK WILLIAM HIGHFIELD and HERBERT EDGAR TAYLOR, Coventry, England, assignors to The Highfield Electrical Company Limited, Coventry, England. Filed Nov. 10, 1924, Serial No. 749,007, and in Great Britain Dec. 8, 1923. 2 Claims. (Cl. 265—24.)

1. An apparatus for conditioning and testing engines comprising a dynamo-electric machine adapted to be operatively coupled to an engine, an electrical circuit comprising said dynamo-electric machine, a variable resistance, an overload relay and a minimum load relay, means for indicating the electrical energy flowing in said circuit, main load lines connected to said circuit, and means for introducing a short circuiting resistance across said main load lines.

1,635,981. ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME. LOWELL HAINES MILLIGAN and CHARLES HERBERT QUICK, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 4, 1925. Serial No. 54,582. 10 Claims. (Cl. 25—157.)

1. The improvement in the manufacture of abrasive articles containing crystalline alumina and a vitrifiable bond mixture which comprises firing the article to soften the bond mixture, and thereafter cooling the bond constituents to solidification under non-oxidising conditions.

THE

OFFICIAL GAZETTE

OF THE

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T. M. Renewals	20	
Labels	20—No.	22,452 to No. 22,491, inclusive.
Prints	21—No.	10,982 to No. 10,982, inclusive.
Reissues	8—No.	16,680 to No. 16,687, inclusive.
Designs	61—No.	73,068 to No. 73,118, inclusive.
Patents	606—No.	1,635,982 to No. 1,636,576, inclusive.
Total	1,103	

Disclaimer.

1,501,062.—*Paul H. Horwitt*, Brooklyn, N. Y. SHEET OF FOLDED MATERIAL. Patent dated July 15, 1924. Disclaimer filed June 24, 1927, by the assignee, *Independent Paper Mills Inc.*

Hereby enters this disclaimer to the said claim No. 1 in the said specification, which is in the following words, to wit:

"A sheet of material folded into a plurality of substantially coextensive sections, and an end section which is non-coextensive with the other sections, the sheet being then folded transversely to cause the non-coextensive end section to lie along one edge at the top and bottom thereof."

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,524,448, J. A. Murphy, Plating and method of accomplishing same, decided June 6, 1927, claims 1 and 2.

Pat. 1,557,488, L. R. Van Sant, Method and apparatus for controlling the siphon in liquid-fuel-burning systems, decided June 27, 1927, claims 2, 4, and 10.

Pat. 1,580,151, O. W. Moore, Radiator cap and indicator, decided June 10, 1927, claims 1, 2, and 3.

Pat. 1,559,908, Parsons, Cook, and Food, Manufacture of gear wheels, decided May 28, 1927, claims 1 and 2.

Pat. 1,614,632, T. H. Sloan, Glass-forming machine, decided June 1, 1927, claims 1, 2, 3, 6, 7, and 27.

A final decision in interference has been rendered against the following trade-mark:

T. M. 134,146, Writing tablets, writing papers, and correspondence envelopes, The Wynne Paper Co., New York, N. Y. Registered August 10, 1920. Decided May 31, 1927.

TRADE-MARKS CANCELED.

49,565. Antiseptic liquid. Hudson & Co., Inc., New York, N. Y. Registered February 13, 1906. Canceled June 30, 1927.

176,314. A certain named chemical and medicinal preparation. The Western Chemical Co., Inc., Seattle, Wash. Registered November 20, 1923. Canceled June 30, 1927.

182,171. Coal. Black Band Consolidated Coal Company, Olcott, W. Va. Registered April 1, 1924. Canceled June 30, 1927.

219,669. Men's and boys' suits, shirts, gloves, hats, and caps. R. J. McCartney Company, Lawrence, Mass. Registered October 19, 1926. Canceled June 30, 1927.

219,718. Golfing tees. The Nieblo Mfg. Co., Inc., New York, N. Y. Registered October 19, 1926. Canceled June 30, 1927.

225,463. Lubricating oils and greases. Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Registered March 22, 1927. Canceled June 30, 1927.

225,623. Lubricating oils. Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Registered March 22, 1927. Canceled June 30, 1927.

Condition of Applications Under Examination at Close of Business July 8, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 68,804; Trade-Mark Division, 1,495. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Mar. 26	Apr. 5	634
136	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Mar. 5	Mar. 15	854
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 9	Mar. 7	1,578
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling	Jan. 4	Jan. 19	1,590
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Jan. 27	Feb. 3	961
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Dec. 8	†Dec. 15	1,549
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 22	Jan. 21	1,358
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 14	Mar. 5	1,749
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 1	Apr. 1	†850
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Jan. 27	Feb. 1	1,261
145*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Buttons, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Mar. 8	Mar. 10	924
220	12. PIERCE, P. P., Machine Elements	Jan. 18	Feb. 2	1,261
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 28	Jan. 26	1,439
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 10	Feb. 17	1,274
220	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 7	Feb. 17	1,308
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 11	Mar. 16	720
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 24	†Dec. 6	700
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 3	Jan. 7	1,084
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 4	Apr. 9	873
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Mar. 11	Mar. 5	979
312	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 4	Feb. 4	974
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 27	Jan. 5	977
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 31	Jan. 26	889
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Dec. 22	†Dec. 20	1,079
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminuters.	Feb. 11	Feb. 16	1,296
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Jan. 11	911
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 10	Mar. 11	873
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 28	Mar. 1	1,171
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 5	Jan. 12	1,214
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 18	Mar. 2	1,006
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 9	Feb. 3	1,845
240	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 11	Feb. 11	1,120
182	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 29	Apr. 2	1,422
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	†Dec. 31	Jan. 10	949
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Apr. 1	1,099
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Mar. 22	Mar. 23	1,102
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 7	Feb. 10	1,499
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 3	Mar. 7	1,112
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 8	761
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 22	Feb. 10	2,075
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	771
220*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 13	Jan. 5	1,484
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 4	Feb. 7	1,228
353	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 10	Jan. 15	1,206
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 11	Mar. 21	934
253	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 8	Feb. 7	986
364	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 16	Mar. 3	1,508
313*	48. ROEPKE, O. B., Electricity, General Applications	Jan. 26	Feb. 3	1,099
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 7	Jan. 27	923
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 3	Mar. 3	1,561
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 6	Jan. 5	1,413
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 2	Mar. 12	1,220
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 7	Mar. 7	1,267
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec 1	†Dec. 1	1,917
102	55. RICHARD, V. I. (Acting) .. Bread, Pastry, and Confection Making; Cutlery	Jan. 8	Jan. 25	664
	Designs	June 8	June 12	555
108	Trade-Marks, Labels, and Prints: F. A. RICHMOND Trade-Marks	June 13	June 20	1,204
	Labels and Prints	June 27	June 31	112

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Freedlander.

Decided June 8, 1928.

Invention—Selection of Good Features of Prior Art.

Where the various features of the claims, except the feature of prestretching the outer layer of the belt, are disclosed in the patents to S., B., and P., and S. discloses prestretching the middle layer, *Held* that it was not invention to select the good features of the patents and to carry forward to the outer layer the prestretching disclosed by S.

[Note.—This application has resulted in Patent No. 1,611,829, December 21, 1926.]

Appeal from Examiners in Chief.

Application for patent for driving belt filed June 14, 1922, Serial No. 568,156.

Messrs. Toulmin & Toulmin for the applicant.

Kinnan, *First Assistant Commissioner:*

The applicant appeals from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 7 to 12, inclusive, of which claim 7 will serve for illustrative purposes and is as follows:

7. A driving belt comprising a compression member composed of rubber mixed with fiber and having corrugations on the inner surface, a central member composed of rubberized cord fabric, and a tension member composed of rubberized fabric cut on the bias, the material of the central member being laid on the compression member and that of the tension member on the central member.

The references relied upon are: Dodge, 450,909, April 21, 1891; Price, 1,192,794, July 25, 1916; Gates, 1,281,158, October 8, 1918; Gates, 1,354,738, October 5, 1920; Brucker, 1,510,449, September 30, 1924; Short, 1,538,303, May 19, 1925; Fisher, 1,438,870, December 12, 1922; Hebblewaite, Br., 2,843 of 1886.

The applicant, as appears from the record, was unsuccessful in an interference with the patent to Short, interference No. 48,254. Short discloses prestretching the fabric of the middle portion of his belt and employing straight-laid fabric strips. The layers are bound by rubber composition, and the outer member may be bias cut. This reference does not disclose the compression member having corrugations on the inner surface; but this is old in Brucker, although the latter does not employ the rubber mixed with fiber as the material for the inner member. Price has disclosed that rubber mixed with fiber makes a good belt material, and to select that particular material for the corrugated inner member of Brucker would, it is true, involve making a specifically different belt and possibly a superior one, yet its superiority would be due to the applicant having merely selected from the prior art the good features which he there found and deemed worth adopting. The only novelty set forth in any of the claims here on appeal is that of prestretching the outer or tension member. As stated by the Examiners in Chief, since Short discloses the stretching of the central member there would seem to be nothing more than an obvious carrying forward of this feature to the outer member. With this state of the art there would seem to be no merit in any of the appealed claims. Some of them recite certain of these features, while others recite all of these old features. It is not thought any of such claims are patentable.

The decision of the Examiners in Chief is affirmed.

Court of Appeals of the District of Columbia.

Olm v. Cather.

No. 1,902. Decided February 7, 1927.

Interference—Priority—Reduction to Practice.

Where C. was entitled to March 26, 1921, for conception and reduction to practice, and O. and his witnesses testified to his disclosure of samples of the envelope prior to that date, *Held* that the credibility of the witnesses is in no way impeached and that O. reduced to practice as early as February, 1921.

Mr. J. H. Milans and *Mr. C. T. Milans* for Olm.

Mr. Geo. H. Kennedy, jr., for Cather.

Appeal from the Patent Office. Reversed.

Before Martin, Chief Justice, and Robb and Van Orsdel, Associate Justices.

Robb, *J.:*

Appeal from a decision of the Patent Office in an interference proceeding in which priority was awarded Cather, the senior party. The issue is expressed in a single count as follows:

An envelope made from a single blank and having two opposite walls of substantially uniform size, said blank having two openings, one providing a slit and the other providing a window in one wall of the envelope, and a flap extending from the outside of said wall adjacent the slit and adapted to be secured to said wall on the opposite side of the slit.

As will be observed from a reading of this count it relates to an envelope used in the distribution of automobile license plates and in which the registration certificate is also enclosed. The tribunals of the Patent Office found that the senior party Cather was entitled to the date of March 26, 1921, as his date of conception and reduction to practice. The appellant does not challenge that finding.

Mr. Olm had had wide experience in the manufacture of envelopes. He testifies in detail as to the conception and disclosure of this invention in the latter part of 1920 and early in 1921. His testimony is corroborated by a Mr. Bates, a Mr. Wasley, a Mr. Hart, and a Mr. Anderson, also by Hon. Mike Holm, Secretary of State of Minnesota.

Concerning this testimony the Examiner of Interferences said:

The foregoing testimony, it must be admitted, has a tendency to establish that samples of two types of envelopes were in existence in January, 1921.

Because, however, the Examiner entertained a doubt as to whether the type of envelope that subsequently came to be used was in existence at that

time, he practically discarded the testimony, although he admitted that the type as to which the proof was clear and satisfactory fully responded to the issue. The Board and the Commissioner followed the reasoning of the Examiner.

The conclusion reached by the tribunals of the Patent Office was largely influenced by their belief that there was a conflict in the testimony of Olm's witnesses. We find no such conflict. Mr. Anderson testified that in January of 1921 he exhibited some sample envelopes to Mr. Holm; that Mr. Holm was interested and that he, Anderson, then had some printed with Mr. Holm's name on them and in February submitted these to Mr. Holm. Mr. Holm testified that he had talked with Mr. Anderson on a number of occasions about envelopes for license plates. He was then asked:

> Do you remember any particular instance of a two in one envelope Mr. Anderson showed you?
> Well, I don't know of any particular instance. He has been showing me envelopes from time to time ever since I came here.

After stating that Anderson had shown him a two in one envelope in the early part of 1921 he was asked if he could describe that envelope and replied:

> The envelope that he showed me, that I recollect, was a home made affair, did not have any printing on it, in fact I suggested to him something with regard to the folding of the envelopes. Then he brought me an envelope and showed it to me and asked me if this would do.

The witness' subsequent description of the envelope shown him responded to the issue. It is apparent that crude samples were first shown Mr. Holm and that a month later, that is in February, the finished product was shown him. He subsequently purchased envelopes from Olm.

The testimony of Mr. Ernest E. Hart, the foreman of the paper company exploiting these envelopes for Mr. Olm, is very clear and satisfactory.

Unless we are to reject the testimony of witnesses whose credibility is in no way impeached, we must find as we do, that Olm disclosed and reduced this invention to practice as early as February, 1921. The invention is simple and it is inconceivable that these witnesses could be mistaken in their testimony.

While the concurrent opinions of the Patent Office are entitled to respect, if material error has been made to appear it is our duty to correct it and enter judgment accordingly. *Bungay* v. *Grey*, 305 O. G. 207, 52 App. D. C. 63, 281 Fed. 423.

The decision is reversed and priority awarded Olm.

Reversed.

Court of Appeals of the District of Columbia.

RICE-STIX DRY GOODS COMPANY *v.* JOSEPH HOROWITZ & SONS, INC.

No. 1,923. Decided February 7, 1927.

TRADE-MARKS—OPPOSITION—MARKS SIMILAR.

Where applicant's mark, used on outer shirts, consisted of the words "Big Chief" associated with the side-view figure of an Indian head with the headdress of an Indian chief, and the opposer had established prior use, on similar goods, of a mark consisting of the word "Chief" associated with a full face view of an Indian chief, *Held* that opposer's use was a bar to the registration applied for by the applicant.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. Jos. J. Gravely for Rice-Stix Dry Goods Company.

Mr. P. B. Turpin and *Mr. J. K. Brachvogel* for Joseph Horowitz & Sons, Inc.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

MARTIN, *C. J.*:

This is an appeal from concurring decisions of the Patent Office denying appellant's application for the registration of a trade-mark, because of the prior use of a similar mark by appellee upon goods of the same descriptive properties. Appellant's application was filed on October 15, 1923; the mark consists of the words "Big Chief" associated with the side-view figure of an Indian head dressed after the fashion of an Indian chief. The mark was claimed for men's and boys' outer shirts, and use was asserted by appellant since January 11, 1915.

It appears that the appellee, on June 23, 1919, had obtained registration of a mark also consisting of the words "Big Chief" accompanied by the representation of an Indian head, side view, with the headdress of an Indian chief, for use upon work shirts. The record of this registration disclosed no earlier use of the mark by the registrant, now the appellee, than the year 1919. In the present case however the appellee has introduced evidence tending to prove that as early as the year 1906 it adopted a mark consisting of the name "Chief" associated with a full face view of an Indian chief, for use upon similar goods, and had used the same continuously from that date until the time of its registration. Appellee claimed that this fact served to preclude the registration now applied for by appellant.

Passing upon the testimony relating to this issue the Examiner of Interferences and the Commissioner alike sustained appellee's claim to the use of such a mark prior to the adoption of the present mark by appellant, and held that this use was a bar to the registration applied for by appellant.

We have examined the testimony, and find it sufficient to sustain the conclusion reached by the Examiner and Commissioner. The decision is therefore affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

949,272, P. E. Herrmann, Process of hair waving; 959,527, 1,001,029, 1,168,000, 1,190,550, 1,490,367, same, Hair-waving apparatus; 1,194,841, same, Hair-steaming apparatus; 1,531,936, same, Electrical attachment plug, filed May 26, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2241, *P. E. Herrmann et al.* v. *The Realistic Permanent Waving Machine Co.*

959,527. (See 949,272.)

959,879, W. S. Parker, Railway ticket, filed May 6, 1927, D. C., S. D. Iowa (Des Moines), Doc. E 4367, *W. S. Parker Co.* v. *H. E. Byram et al.*; Doc. E 4368, *W. S. Parker Co.* v. *W. H. Bremner*; Doc. E 4369, *W. S. Parker Co.* v. *The Chicago, Rock Island & Pacific Rwy. Co.*; Doc. E 4370, *W. S. Parker Co.* v. *Chicago, Great Western Rrd. Co.*; Doc. E 4371, *W. S. Parker Co.* v. *Chicago & North Western Rwy. Co.*; Doc. E 4372, *W. S. Parker Co.* v. *Wabash Rwy. Co.* Same, filed May 7, 1927, D. C., S. D. Iowa (Council Bluffs), Doc. E 4162, *W. S. Parker Co.* v. *Illinois Central Rrd. Co.*

1,001,029. (See 949,272.)

1,013,672, W. B. McCann, Ice-cream freezer, filed May 19, 1927, D. C., S. D. N. Y., Doc. E 41/360, *Auto Vacuum Freezer Co., Inc.*, v. *The Stirrup Mfg. Co., Inc.*

1,018,502, Just & Hanaman, Incandescent body for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, filed May 20, 1927, D. C., S. D. N. Y., Doc. E 41/364, *General Electric Co.* v. *J. M. Marks* (*Empire Electrical Products Co.*); Doc. E 41/365, *General Electric Co.* v. *E. Chauvin* (*Incandescent Lamp Service Co.*).

1,019,406, L. H. Baekeland, Composite cardboard, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/242, *Bakelite Corp.* v. *Mica Trading Corp.* Consent decree granting injunction May 25, 1927.

1,022,140, C. Hubert, Portable lighter, filed May 27, 1927, D. C., S. D. N. Y., Doc. E 41/303, *M. E. Bernhardt et al.* v. *Fair Trading Co., Inc.*

1,052,203, 1,085,587, 1,240,529, 1,298,255, 1,411,897, L. A. Aspinwall, Potato planter; 1,234,525, same, Fertilizer attachment for planting machine; T. M. 218,370, The Aspinwall-Watson Co., same; T. M. 79,317, Aspinwall Mfg. Co., Potato planter, digger, etc., filed May 19, 1927, D. C., W. D. Wis., (Madison), Doc. E 73-G, *The Aspinwall-Watson Co.* v. *McKinzie Mfg. Co.*

1,068,691, J. G. Moomy, Patch for rubber articles, filed July 27, 1925, D. C. Ind. (Indianapolis), Doc. 937, *J. G. Moomy* v. *G. & J. Tire Co.* Dismissed May 9, 1927.

1,071,172, L. C. Norton, Combined door stop and holder, filed May 26, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2240, *Yale & Towne Mfg. Co.* v. *J. Gesing et al.*

1,085,587. (See 1,052,203.)

1,099,281, C. L. Crumrine, Fruit package, filed Feb. 19, 1925, D. C., S. D. Calif. (Los Angeles), Doc. I-83-J, *Blake, Moffitt & Towne* v. *California Fruit Growers Exchange & Fruit Growers Supply Co.* Decree holding claim 3 valid and infringed Oct. 28, 1926, same, suit filed Mar. 27, 1925, D. C., S. D. Calif. (Los Angeles), Doc. I-109-M, *Blake, Moffitt & Towne* v. *La Habra Citrus Ass'n.* Decree as above Nov. 3, 1926. Doc. I-110-J, *Blake, Moffitt & Towne* v. *The Yorba Linda Citrus Ass'n.* Decree as above.

1,145,405. (See 1,363,200.)

1,168,000. (See 949,272.)

1,180,159. (See 1,018,502.)

1,193,093, B. Weinberger, Garment-pressing machine; 1,326,982, J. B. Spencer, Machine for pressing garments, filed May 18, 1927, D. C. Del., Doc. E 644, *United States Hoffman Machinery Corp.* v. *Pantex Pressing Machine, Inc.*

1,194,841. (See 949,272.)

1,199,550. (See 949,272.)

1,234,525. (See 1,052,203.)

1,240,529. (See 1,052,203.)

1,256,121, Finch & Meston, Adjusting device for oscillating fans, 8th Cir. (St. Louis), Doc. 7608, *Galvin Electric Mfg. Co.* v. *The Emerson Electric Mfg. Co.* Decree affirmed May 17, 1927.

1,284,439, 1,320,088, Pedrick & Kolb, Method of making piston rings, filed Mar. 29, 1927, D. C., N. H. (Concord), Doc. E 173, *Wilkening Mfg. Co.* v. *Herbert Mfg. Co.*

1,296,255. (See 1,052,203.)

1,296,863, W. T. Sears, Adjusting mechanism for drilling machine, filed July 1, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 420, *Niles Bement Pond Co.* v. *The Carlton Machine Tool Co.* Claims 6, 7, 8, and 9 held valid and infringed (notice dated May 25, 1927).

1,305,198, 1,305,199, W. H. Deubener, Bag, 8th Cir. (St. Louis), Doc. 7559, *W. H. Deubener* v. *R. Brownson & Co.* Decree affirmed May 3, 1927.

1,305,199. (See 1,305,198.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Aug. 12, 1927, D. C. Ind. (Indianapolis), Doc. 994, *The Bassick Mfg. Co.* v. *W. J. Holliday & Co.* Patents held valid and infringed, injunction granted, May 16, 1927.

1,307,734, A. V. Gullborg, Lubricating means; 1,401,765, E. W. Davis, Lubricating system; Re. 14,667, F. D. Winkley, same; 1,459,662, C. W. Manzel, same, filed Nov. 12, 1923, D. C., N. D. Ohio (E. Div.), Doc. 1000, *The Bassick Mfg. Co.* v. *The Lyman Mfg. Co. et al.* Re. 14,667 as to claims 6 and 12 and 1,307,734 as to claims 1, 2, 4, 7, 8, and 15 held valid; claim 12 of 1,307,734 and claims 8 and 9 of 1,459,662 held invalid; claim 12 of Re. 14,667 and claims 1, 2, 4, 8, and 15 of 1,307,734 infringed; claim 6 of Re. 14,667 not infringed, injunction granted, May 20, 1927.

1,307,734. (See 1,307,733.)

1,320,088. (See 1,284,439.)

1,326,752, M. Liptak, Furnace arch for boilers, filed Dec. 20, 1926, D. C. Minn. (4th Div.), Doc. E 559, *Liptak Fire Brick Arch Co.* v. *The Frost-Naus Co.* Dismissed without prejudice May 18, 1927.

1,326,982. (See 1,193,093.)

1,363,200, Wells & Hunter, Automatic feed and delivery for platen presses; 1,145,405, E. Cheshire, Paper feeding and handling device, filed May 27, 1927, D. C., S. D. N. Y., Doc. E 42/1, *Miller Saw-Trimmer Co.* v. *Brandtjen & Kluge, Inc.*

1,395,803, C. W. Beck, Steering wheels and method of forming same; 1,481,530, 1,527,464, 1,502,540,

same, steering wheel, filed May 23, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2048, *Beck-Frost Corp.* v. *General Motors Corp.*

1,401,765. (See 1,307,734.)

1,411,897. (See 1,052,203.)

1,447,090, J. E. Langsdorf, Necktie, filed May 21, 1927, D. C., S. D. N. Y., Doc. E 41/369, *Franc-Strohmenger & Cowan, Inc.*, v. *A. E. Norton et al.* (*Norton & Gross*).

1,458,920, F. J. Troll, Road-bearing meter, filed May 21, 1927, D. C. Md., Doc. E 1267, *The Black & Decker Mfg. Co. et al.* v. *Baltimore Truck Tire Service Corp. et al.*

1,459,662. (See 1,307,734.)

1,481,530. (See 1,395,893.)

1,486,162, J. E. Shaffer, Gauge cock, appeal filed May 12, 1927, 8th Cir. (St. Louis), Doc. 7831, *J. E. Shaffer Co. et el.* v. *Smith Separator Co. et al.*

1,492,982, G. F. C. Houghton, Diaphragms for sound-reproducing instruments, filed May 26, 1927, D. C., S. D. N. Y., Doc. E 41/392, *The Balsa Wood Co., Inc.*, v. *The Balsa Laboratories, Inc., et al.*

1,499,367. (See 949,272.)

1,502,050, R. H. Moore, Ventilating means for the receivers of belt conveyers, filed Apr. 21, 1927, D. C. Md., Doc. E 1256, *R. H. Moore* v. *B. & O. Railroad Co.*

1,502,540. (See 1,395,893.)

1,523,964, H. Horig, Signaling instrument, 1,602,114, Kazenmaier & Haehnle, Signaling instrument of power vehicles; 1,603,073, Diemer & Durst, Electromagnetic sounding device, filed May 2, 1927, D. C. Ind. (Indianapolis), Doc. 1045, *General Motors Corp. et al.* v. *The Gibson Co.*

1,527,464. (See 1,395,893.)

1,528,345, H. W. Russ, Heels and method of making same; 1,536,691, same, Heel-blank breast-shaping machine, filed May 27, 1927, D. C., S. D. Ohio (W. Div.), Doc. E 473, *United Shoe Machinery Corp.* v. *The Day Wood Heel Co.*

1,531,936. (See 949,272.)

1,532,551, C. E. Reed, Rotary deep-well-drilling apparatus, D. C. Del., Doc. E 542, *C. E. Reed* v. *The National Supply Co.* Bill dismissed May 21, 1927. Same, filed May 21, 1927, D. C. Del., Doc. E 645, *C. E. Reed* v. *The National Supply Co.*

1,536,691. (See 1,528,345.)

1,579,774, M. Lowy, Traveling bag, filed May 24, 1927, D. C., S. D. N. Y., Doc. E 41/390, *Lowy & Lowy, Inc.*, v. *C. Braverman et al.* (*Braverman & Berman*).

1,602,114. (See 1,523,964.)

1,603,073. (See 1,523,964.)

Re. 13,436, F. G. Perkins, Glue and making the same, filed May 18, 1927, D. C. Ind. (Evansville), Doc. E 46, *Perkins Glue Co.* v. *Evansville Top & Panel Co. et al.* Same, filed May 24, 1927, D. C., W. D. N. Y., Doc. 1118-F, *Perkins Glue Co.* v. *Foster Armstrong Co., Inc.*

Re. 14,667. (See 1,307,734.)

Re. 15,432, E. Crouse, Gasoline-dispensing device, 8th Cir. (St. Louis), Doc. 7612, *The Wichita Visible Gasoline Pump Co. et al.* v. *The Clear Vision Pump Co.* Decree reversed, bill dismissed, May 6, 1927.

T. M. 79,317. (See 1,052,203.)

T. M. 218,370. (See 1,052,203.)

Des. 72,164, Des. 72,165, Des. 72,166, Des. 72,221, S. N. Mallouk, Lace table cover; Des. 72,227, Des. 72,228, Des. 72,229, Des. 72,230, Des. 72,231, Des. 72,232, Des. 72,233, Des. 72,234, same, Lace cover; Des. 72,219, same, Lace doily; Des. 72,167, Des. 72,226, Des. 72,268, same, Lace tray cover; Des. 72,169, Des. 72,170, Des. 72,171, Des. 72,173, Des. 72,174, Des. 72,175, Des. 72,220, Des. 72,222, Des. 72,223, Des. 72,225, same, Lace mat; Des. 72,168, Des. 72,224, Des. 72,235, Des. 72,269, Des. 72,270, Des. 72,271, Des. 72,272, same, Lace scarf, filed Apr. 29, 1927, D. C., S. D. N. Y., Doc. E 41/238, *S. N. Mallouk* v. *G. J. Mabarak et al.* (*Mabarak Bros.*). Consent decree granting injunction May 20, 1927.

ADJUDICATED PATENTS.

(D. C. N. H.) The Bosworth patent, No. 1,193,756, for process for building heel-log sections, *Held* not infringed. *Brockton Heel Co.* v. *International Shoe Co.*, 19 F. (2d) 145.

(D. C. Del.) The Cross patent, No. 1,423,500, for process for cracking petroleum, *Held* valid and infringed. *Gasoline Products Co.* v. *American Refining Co.*, 19 F. (2d) 175.

(D.C. Mich.) The Thompson patent, No. 1,522,344, for automatic windshield cleaner, *Held* valid and infringed. *Trico Products Corporation* v. *Perfection Products Co.*, 19 F. (2d) 173.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 22, 1927.*

Warren E. Sadler, his assigns or legal representatives, take notice:

Interferences have been declared by this Office between an application for patent filed by Warren E. Sadler, 1440½ West Twenty-third Street, Los Angeles, Calif., and applications for patent filed by Samuel K. Wellman, 2720 Derbyshire Road, Cleveland Heights, Ohio, and Arch M. Brown, 423 Kansas Avenue, Chickasha, Okla. Counsel for Sadler state they are unable to locate said Sadler. Notice is hereby given that unless said Sadler, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, June 22, 1927.*

Henry F. Bauer, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Harry Aaron, 415 North Washington Avenue, Scranton, Pa., and Patent No. 1,494,573, issued May 20, 1924, to Henry F. Bauer, Wheaton, Minn., and a notice of such declaration sent by registered mail to said Henry F. Bauer at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Henry F. Bauer, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 19, 1927.

[VOL. 360. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 174,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. JOHNSON, doing business as Sylvania Perfume Co., Philadelphia, Pa. Filed Jan. 9, 1923.

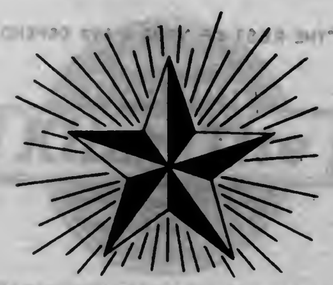


The abbreviation "Phila." is disclaimed apart from the mark shown.

Particular description of goods.—Perfumery.

Claims use since Dec. 1, 1922.

Ser. No. 176,510. (CLASS 45. BEVERAGES, NONALCOHOLIC.) STAR EXTRACT WORKS, INC., New York, N. Y. Filed Feb. 23, 1923.



Particular description of goods.—Maltless Flavorings and Flavoring Extracts for Use in the Making of Beverages Sold as Soft Drinks.

Claims use since 1890.

Ser. No. 210,595. (CLASS 37. PAPER AND STATIONERY.) WESTENHOFF & CO., Hanover, Germany. Filed Mar. 5, 1925.

Neoptimus

Particular description of goods.—Duplicating Machines of the Kind Which Use Stencils and Stencil Sheets for Use in Connection with Such Machines, Duplicating Machines of the Kind Which Use Gelatin or Like Transfer Surfaces, and Hectographic Paper, Either in the Form of Sheets or of Rolls, for Use in Connection with Duplicating Machines of the Kind Employing Gelatin or Like Transfer Surfaces.

Claims use since Feb. 8, 1912.

Ser. No. 213,411. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OSCAR A. TURNER, Chicago, Ill. Filed Apr. 27, 1925.

FABRITECTURAL

Particular description of goods.—Textile Doilies and Scarfs for Furniture.

Claims use since January, 1921.

Ser. No. 217,293. (CLASS 39. CLOTHING.) PEDOX PRODUX, INC., New York, N. Y. Filed July 13, 1925.



Applicant owns registration Nos. 201,525 and 211,080.

Particular description of goods.—Heel Liners.

Claims use since about Oct. 1, 1924.

Ser. No. 223,104. (CLASS 43. THREAD AND YARN.) IGNACIO MIR ROVIRA, Sarria, Barcelona, Spain. Filed Nov. 10, 1925.



Petitioner disclaims the Spanish phrases "Hilo Japonés Superior" and "Marca Registrada" as being descriptive matter, and also disclaims the word "Barcelona" as being a geographical term, and states that same do not form part of the mark shown on the drawing. The representation of the spool of thread being, according to law, incapable of exclusive appropriation is hereby disclaimed. The picture forming a feature of the mark is fanciful.

Particular description of goods.—Sewing White Linen Thread.

Claims use since Aug. 8, 1911.

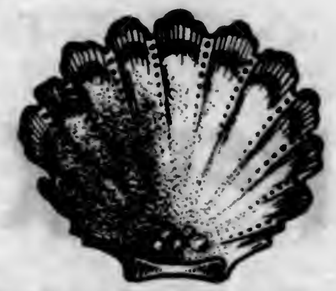
Ser. No. 223,634. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREE & KLINCK, INC., Brooklyn, N. Y. Filed Nov. 21, 1925.

SHELL

Particular description of goods.—Dried Beans, Catchup, and Chili Sauce.

Claims use since about Apr. 20, 1923.

Ser. No. 224,241. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREE & KLINCK, INC., Brooklyn, N. Y. Filed Dec. 4, 1925.



Particular description of goods.—Dried Beans, Catchup, and Chili Sauce.

Claims use since about Apr. 20, 1923.

Ser. No. 225,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. BARON & CO. INC., New York, N. Y. Filed Jan. 13, 1926.

DAISY

Particular description of goods.—Crushed Fruits and Sundaes and Toppings in Bulk for Use in Ice Cream—Viz, Crushed Pineapple, Crushed Strawberry, Caramel Sundae, Cocoa Paste, Orange-Pineapple, Fruit Salad, Bitter-Sweet Cocoa Paste, Select Whole Cherries, Chop Suey (Mixture of All Soda-Fountain Fruits), Sliced Peaches, Crushed Peach, Tutti-Frutti, Crushed Cherries, Fruit Cocktail, Mixed Fruits, Crushed Raspberry, Walnut Sundae, and Pineapple Tidbits.

Claims use since 1914.

Ser. No. 226,195. (CLASS 39. CLOTHING.) HENDERSON GLOVE COMPANY, INC., Creston, Iowa. Filed Jan. 21, 1926.



Particular description of goods.—Cotton Fabric Gloves.

Claims use since Mar. 16, 1925.

Ser. No. 226,322. (CLASS 32. FURNITURE AND UPHOLSTERY.) ADAM WURST, Cincinnati, Ohio. Filed Jan. 23, 1926.

"THE REST OF YOUR DAYS DEPEND-

ON THE REST OF YOUR NIGHTS"

Particular description of goods.—Bedding—Namely, Mattresses, Box Springs, and Pillows.

Claims use since Jan. 18, 1926.

Ser. No. 226,334. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo. Filed Jan. 25, 1926.



The trade-mark comprises the spot of double convex outline located at the outer margin of a jar ring, the ring per se being disclaimed.

Particular description of goods.—Jar Rings.

Claims use since about Oct. 10, 1925.

Ser. No. 226,855. (CLASS 39. CLOTHING.) ISAAC PROUTY & COMPANY, INC., Spencer, Mass. Filed Feb. 4, 1926.



No claim is made to the exclusive right to the use of the word "Shoe."

Particular description of goods.—Leather Shoes.

Claims use since about Aug. 1, 1913.

Ser. No. 226,819. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KLING-TITE PAINT PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 8, 1926.

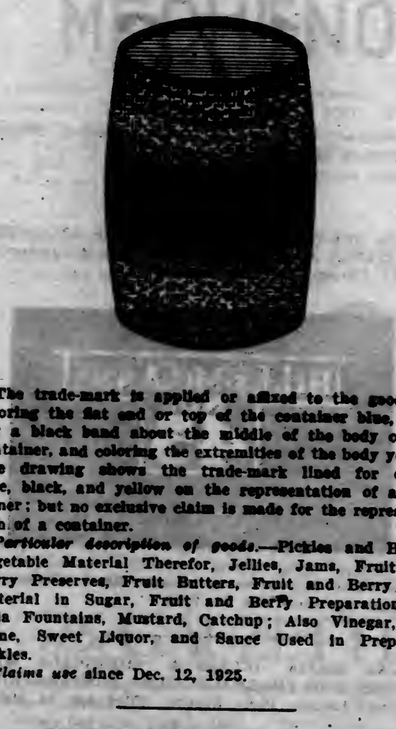


All wording appearing in the drawing other than the words "Kling-Tite" is hereby disclaimed aside from the mark shown.

Particular description of goods.—Roof Paints.

Claims use since Dec. 1, 1915.

Ser. No. 228,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SQUIRE DINGEE COMPANY, Chicago, Ill. Filed Mar. 15, 1926.

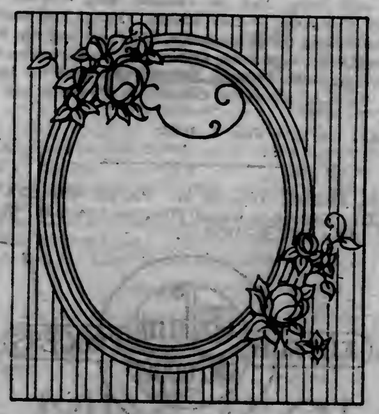


The trade-mark is applied or affixed to the goods by coloring the flat end or top of the container blue, placing a black band about the middle of the body of the container, and coloring the extremities of the body yellow. The drawing shows the trade-mark lined for colors blue, black, and yellow on the representation of a container; but no exclusive claim is made for the representation of a container.

Particular description of goods.—Pickles and Brined Vegetable Material Therefor, Jellies, Jams, Fruit and Berry Preserves, Fruit Butters, Fruit and Berry Raw Material in Sugar, Fruit and Berry Preparation for Soda Fountains, Mustard, Catchup; Also Vinegar, Dill Brine, Sweet Liquor, and Sauce Used in Preparing Pickles.

Claims use since Dec. 12, 1925.

Ser. No. 228,804. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis., assignor to Kotex Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 18, 1926.



The name "Kleenex Company" appearing on the specimens is fictitious. The color of the striping is gray on a white background.

Particular description of goods.—Absorbent Pads or Sheets for Removing Cold Cream.

Claims use since June 16, 1925.

Ser. No. 228,822. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Mar. 18, 1926.

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Particular description of goods.—Binding, Stapling, and Tacking Machines.
Claims use since about Nov. 13, 1925.

Ser. No. 229,681. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HILLS-MCCANNA COMPANY, Chicago, Ill. Filed Apr. 5, 1926.

HILLS-McCANNA NO. 45

Particular description of goods.—Metal Alloys.
Claims use since Mar. 31, 1923.

Ser. No. 230,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCIEN LELONG, Paris, France. Filed Apr. 14, 1926.

TOUT-LE-LONG

Particular description of goods.—Perfumes and the Following Toilet Preparations—Namely, Toilet Waters, Astringent Lotions for the Skin, Alcoholic Lotions for the Hair and Scalp, Eau de Cologne, Rice Powder, Rice-Powder Compacts, Beauty Cream, Liquids for Softening and Nourishing the Skin, Rouge, Lip Paste and Lip Sticks, Eyebrow Pencils, Massage Cream, Oil for Removing Make-Up Preparations, Solid or Liquid Substances for Imparting a Gloss to the Hair, Complexion Powders, and Bath Salts.
Claims use since Jan. 1, 1925.

Ser. No. 230,705. (CLASS 37. PAPER AND STATIONERY.) AMERICAN BREAD WRAPPER COMPANY, Chicago, Ill. Filed Apr. 26, 1926.

FRISCH Giant Wrapper PROCESS

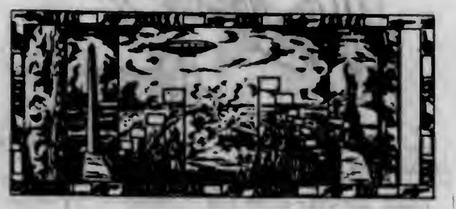
No claim is made to the words "Process" and "Wrapper" apart from the mark as shown.
Particular description of goods.—Printed Paper Wrappers for Bread and Other Bakery Goods.
Claims use since January, 1924.

Ser. No. 230,709. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. AND H. ENGINEERING LABORATORIES, Oakland, Calif. Filed Apr. 26, 1926.

SURE GRIP

The words "Sure Grip" are disclaimed apart from the mark as shown.
Particular description of goods.—Belt and Brake Dressing.
Claims use since Jan. 10, 1925.

Ser. No. 230,910. (CLASS 17. TOBACCO PRODUCTS.) SPEROS ANDELENIS, New York, N. Y. Filed Apr. 30, 1926.



No claim is made to the words "Washington, D. C." and "New York City."
Particular description of goods.—Cigarettes.
Claims use since Apr. 19, 1926.

Ser. No. 231,060. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NATHAN NOVELTY MFG. CO., New York, N. Y. Filed May 3, 1926.

Crown · Seat · Covers
NATHAN

Exclusive use of the words "Seat Covers" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Auto Seat Covers.
Claims use since about Apr. 1, 1926.

Ser. No. 231,115. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCIA, INC., New York, N. Y. Filed May 4, 1926.

Marcia

Particular description of goods.—Cosmetics—Namely, Vanishing and Cold Cream.
Claims use since June, 1922.

Ser. No. 231,259. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. GREBE & CO., INC., Richmond Hill, N. Y. Filed May 7, 1926.

WAHG

Particular description of goods.—Radio Receiving Sets and Radio Transmitting Sets and Parts Thereof.
Claims use since Sept. 5, 1925.

Ser. No. 231,551. (CLASS 39. CLOTHING.) HARRY LEVIN, New York, N. Y. Filed May 13, 1926.

The Mirror of Fashion

No claim is made to the word "Fashion" apart from the mark as shown.
Particular description of goods.—Ladies' Hats.
Claims use since about June 7, 1917.

Ser. No. 231,747. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE MOXIE COMPANY, Boston, Mass. Filed May 17, 1926.

Moxie

Particular description of goods.—Playing Cards, Baseball Bats, Toy Canes, Dolls, Toy Balloons, Toy Radio Sets, Kites, Toy Pistols, Horns, Popguns, Toy Carts, Wheelbarrows, and Puzzles.
Claims use since December, 1905.

Ser. No. 231,822. (CLASS 39. CLOTHING.) THE STANDARD CORSET COMPANY, New York, N. Y. Filed May 18, 1926.

MECHENO

Particular description of goods.—Corsets, Girdles, Corsetlets, Corset Wraps, Abdominal Belts, Combined Corsetlets and Abdominal Belts, Combined Corset Wraps and Abdominal Belts, and Combined Girdles and Abdominal Belts.
Claims use since Oct. 12, 1925.

Ser. No. 231,863. (CLASS 37. PAPER AND STATIONERY.) GRIGGS, COOPER & COMPANY, St. Paul, Minn. Filed May 19, 1926.

Home

Particular description of goods.—Mailing Envelopes, Writing Tablets, Waxed Paper, and Wrapping Paper.
Claims use since 1877.

Ser. No. 231,935. (CLASS 38. PRINTS AND PUBLICATIONS.) KENDALL MILLS INC., Walpole, Mass. Filed May 20, 1926.

The GAUZETTE

Particular description of goods.—Publication Issued Twice a Month.
Claims use since May 1, 1926.

Ser. No. 231,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DESOTO CHEMICAL CO., INC., Arcadia, Fla. Filed May 21, 1926.



No claim is made to the words "They Love it So," "The Bait," "Brand," "It Never Fails," "They Go to It Then They Disappear" apart from the mark shown in the drawing.
Particular description of goods.—Roach, Ant, Rat, and Mouse Exterminator.
Claims use since November, 1919.

Ser. No. 232,060. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALLY COMPANY, INC., Port Washington, N. Y. Filed May 22, 1926.

MIX-SOL

Particular description of goods.—Apparatus for Making Emulsions of Oil and Water.
Claims use since May 1, 1926.

Ser. No. 232,187. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed May 25, 1926.

HOSTESS

Particular description of goods.—Packaged Ginger Ale.
Claims use since February, 1926.

Ser. No. 232,189. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE COLUMBUS DENTAL MFG. CO., Columbus, Ohio. Filed May 25, 1926.

Steele's

SUPER-GLAZE

The word "Steele's" is a facsimile of the signature of the late Thomas Steele, formerly an officer in The Columbus Dental Manufacturing Company, the registrant herein. The word "Glaze" appearing in the mark is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—A Glazing Compound for Porcelain Bodies Particularly Artificial Teeth.
Claims use since May 1, 1925.

Ser. No. 232,238. (CLASS 39. CLOTHING.) I. YUSEM & SONS, Philadelphia, Pa. Filed May 25, 1926.

Silvertex

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since May 1, 1925.

Ser. No. 232,571. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) KOOL KIST COMPANY, Los Angeles, Calif. Filed June 1, 1926.

KOOL KIST

Particular description of goods.—Permeators in the Nature of Humidors and Cartridges for the Same.
Claims use since on or about May 1, 1926.

Ser. No. 232,646. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN ARMOR CORPORATION, New York, N. Y. Filed June 3, 1926.

BOVITE

Particular description of goods.—Ferrous Metals and Metal Armor for Vehicles and Ships and Structural Elements Such as Bank Turrets, Cages, and Partitions.
Claims use since Oct. 1, 1923.

Ser. No. 232,687. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEMOUR SILK CORPORATION, New York, N. Y. Filed June 3, 1926.

RUOMEN CREPE WASHABLE

No claim is made to the exclusive use of the words "Crepe Washable" apart from the mark shown on the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since about May 18, 1926.

Ser. No. 232,738. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEWPORT NEWS SHIPBUILDING AND DRY DOCK COMPANY, Newport News, Va. Filed June 4, 1926.



The lining on the drawing is intended for shading purposes only.
Particular description of goods.—Special Machinery, Steel Turbines, Water Turbines, Gate-Operating Gear, and Mechanical Rack Rakes.
Claims use since Feb. 15, 1926.

Ser. No. 233,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED FRUIT COMPANY, Jersey City, N. J., and Boston, Mass. Filed June 16, 1926.

UNIFRUITCO

Particular description of goods.—Bananas.
Claims use since Jan. 1, 1925.

Ser. No. 234,124. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SHOSAKU ISHIYAMA, doing business as Stone Chemical Products Co., Los Angeles, Calif. Filed July 3, 1926.



Particular description of goods.—A Paint Remover.
Claims use since May 1, 1926.

Ser. No. 234,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BABY CHICK PRODUCERS ASSOCIATION, Peoria, Ill. Filed July 7, 1926.

AMERICAN CERTI CULD

Applicant disclaims exclusive right to the use of the words "American" and "Trade Mark" apart from the mark shown.
Particular description of goods.—Live Baby Chicks.
Claims use since Apr. 8, 1926.

Ser. No. 234,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GILES A. FAIRLY, doing business as Madame Elizabeth Company, Des Moines, Iowa. Filed July 10, 1926.



Particular description of goods.—Medicinal Preparation Used as a Flesh Reducer.
Claims use since Jan. 1, 1926.

Ser. No. 235,200. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. L. FERGUSON COMPANY, Joliet, Ill. Filed July 27, 1926.

JFCo

Particular description of goods.—Packaging Machinery—Namely, Carton-Sealing Machines, Machines for Automatically Filling Predetermined Amounts of Products into Receptacles, Carton-Forming Machines, Container-Sealing Machines, Packing and Wrapping Tables, Special Machinery Made to Order, Dies, and Repair Parts Therefor.
Claims use since January, 1922.

Ser. No. 235,873. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN REFORESTATION ASSOCIATION, Los Angeles, Calif. Filed Aug. 12, 1926.



The cross portion of drawing is shaded to represent the color green.
Particular description of goods.—Periodical and Books.
Claims use since about September, 1924.

Ser. No. 237,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAI HING COMPANY, Honolulu, Territory of Hawaii. Filed Sept. 29, 1926.



A part of the mark consists of the fanciful representation of a heart of a red color.
Particular description of goods.—Coffee.
Claims use since January, 1924.

Ser. No. 238,125. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MARION STEAM SHOVEL COMPANY, Marion, Ohio. Filed Oct. 4, 1926.

The Ground-hog

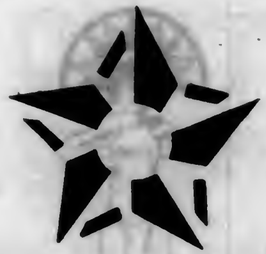
Particular description of goods.—Monthly Magazine.
Claims use since January, 1926.

Ser. No. 238,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCIEN LELONG, Paris, France. Filed Oct. 9, 1926.

Lucien Lelong

The trade-mark is a facsimile of applicant's signature.
Particular description of goods.—Perfumes, Toilet Waters, Hair Lotions, Complexion Powders, Creams for the Skin, Astringent Lotions for the Skin, Eau de Cologne, Liquids for Softening and Nourishing the Skin, Rice Powder, Rice-Powder Compacts, Beauty Cream, Massage Cream, Rouge, Lip Paste and Lip Sticks, Eyebrow Pencils, Oil for Removing Make-Up Preparations, Solid or Liquid Substances for Imparting Gloss to the Hair, and Bath Salts.
Claims use since August, 1924.

Ser. No. 238,568. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOSTON & LOCKPORT BLOCK COMPANY, East Boston, Mass. Filed Oct. 14, 1926.



STAR

Particular description of goods.—Heavy Hardware—Namely, Tackle and Hoisting Blocks and Sheaves.
Claims use since prior to 1880.

Ser. No. 238,973. (CLASS 32. FURNITURE AND UPHOLSTERY.) HARTMAN WHOLESALE CORPORATION, Chicago, Ill. Filed Oct. 21, 1926.



Applicant disclaims exclusive use of the word "Efficiency" apart from the mark as shown in the drawing. The drawing is lined in the conventional manner to indicate the colors gold and red.
Particular description of goods.—Kitchen Cabinets, Sectional Kitchen Cabinets, Wall Cabinets, Broom Cabinets, and Vacuum-Cleaner Cabinets.
Claims use since Apr. 15, 1926.

Ser. No. 239,156. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WM. WALTKE & CO., St. Louis, Mo. Filed Oct. 23, 1926.



No claim is made to the exclusive use of the word "Soap" apart from the mark as shown.
Particular description of goods.—Soap.
Claims use since Oct. 3, 1893.

Ser. No. 239,437. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THETA KAPPA NU FRATERNITY, Springfield, Mo., and Cleveland, Ohio. Filed Oct. 29, 1926.



Particular description of goods.—Jewelry for Personal Wear, Not Including Watches.
Claims use since September, 1924.

Ser. No. 241,001. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RED POPPY MFG. CO., Newark, N. J. Filed Dec. 4, 1926.



No claim being made apart from the mark to the words "Newark, N. J." and "Trade Mark."
Particular description of goods.—An Outdoor Ball Game Played with a Hand Ball and Goal Equipment.
Claims use since July, 1926.

Ser. No. 241,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE H. FRITZ & SONS CO., Newark, N. J. Filed Dec. 7, 1926.

BIG BOY

Particular description of goods.—Candy and Candy Bars.
Claims use since July 1, 1926.

Ser. No. 241,348. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. DYER MOYER, Willow Grove, Pa. Filed Dec. 11, 1926.



Particular description of goods.—Coal.
Claims use since Dec. 3, 1926.

Ser. No. 241,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOM HUSTON, doing business as Tom Huston Peanut Company, Columbus, Ga. Filed Dec. 20, 1926.

TOM'S
TOASTED
PEANUTS

No claim is made to the words "Toasted Peanuts" apart from the mark as shown.
Particular description of goods.—Fresh or Salted Peanuts, Not Constituting Confections.
Claims use since April, 1925.

Ser. No. 241,753. (CLASS 39. CLOTHING.) TWINKIES SPECIALTY COMPANY, St. Louis, Mo. Filed Dec. 20, 1926.



Children's Apparel

No claim is made to the words "Children's Apparel."
Particular description of goods.—Children's Suits, Dresses, Rompers, Pyjamas, and Nightgowns.
Claims use since Apr. 29, 1926.

Ser. No. 241,806. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE BEDELL COMPANY, New York, N. Y. Filed Dec. 22, 1926.

POWDER PUFF
Bedell

Applicant is the owner of certificate 56,317, effected under the ten-year proviso.

Particular description of goods.—Leather Bags, Hand Bags, Money Bags, Change Bags, and Traveling Bags.

Claims use since Dec. 15, 1926.

Ser. No. 241,839. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTERVILLE CITRUS ASSOCIATION, Porterville, Calif. Filed Dec. 22, 1926.



No claim is made to any of the descriptive and geographical reading matter appearing on the drawing—namely, "Porterville's Best Oranges, Grown and Packed by Porterville Citrus Association, Porterville, California."

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since June 21, 1914.

Ser. No. 241,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTERVILLE CITRUS ASSOCIATION, Porterville, Calif. Filed Dec. 22, 1926.



No claim is made to any of the descriptive and geographical reading matter appearing on the drawing—namely, "Brand, Grown and Packed in Tulare County, California."

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since June 21, 1901.

Ser. No. 241,841. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTERVILLE CITRUS ASSOCIATION, Porterville, Calif. Filed Dec. 22, 1926.



No claim is made to any of the descriptive and geographical reading matter appearing on the drawing—namely, "Brand, Grown and Packed in Tulare Co., California."

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since Nov. 1, 1907.

Ser. No. 241,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PORTERVILLE CITRUS ASSOCIATION, Porterville, Calif. Filed Dec. 22, 1926.



No claim is made to the word "Brand" appearing on the drawing.

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.

Claims use since June 22, 1901.

Ser. No. 242,022. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REMINDERS CORPORATION, New York, N. Y. Filed Dec. 27, 1926.



Particular description of goods.—Chewing Gum.

Claims use since May 24, 1926.

Ser. No. 242,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS P. WILSON, doing business as The Wilson Products Company, Cleveland, Ohio. Filed Dec. 27, 1926.



Particular description of goods.—Tonic Pills and Tablets for the Treatment of Rheumatism, Sciatica, Neuralgia, Lumbago, Colds, and Diseases of the Blood.

Claims use since Dec. 1, 1925.

Ser. No. 242,145. (CLASS 39. CLOTHING.) RUGBY KNITTING MILLS, INC., Buffalo, N. Y. Filed Dec. 29, 1926.

RUGBY
RUGGED WEAR

No claim is made to the words "Rugged Wear" apart from the mark as shown in the drawing.

Particular description of goods.—Sweaters, Bathing Suits, Drawers, Undershirts, Union Suits of Knitted or Woven Fabric, and Hosiery for Men, Women, and Children.

Claims use since June, 1926, to hosiery, and since 1908 to sweaters, bathing suits, and underwear.

Ser. No. 242,735. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MENTE & CO. INC., New Orleans, La. Filed Jan. 12, 1927.

STAR

Particular description of goods.—Sugar-Bag Cloth for Covering Bales of Ginned Cotton (the Cloth is in the Piece and a Plurality of Pieces are Preferably Bundled for Each Bale).

Claims use since July 21, 1916.

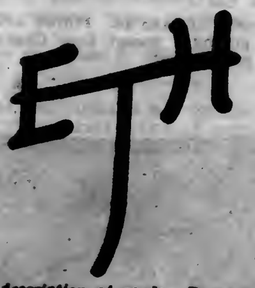
Ser. No. 242,879. (CLASS 39. CLOTHING.) CONRAD SHOE COMPANY, Brockton, Mass. Filed Jan. 15, 1927.

STYLE-O-PEDIC

Particular description of goods.—Leather Boots and Shoes.

Claims use since Dec. 24, 1926.

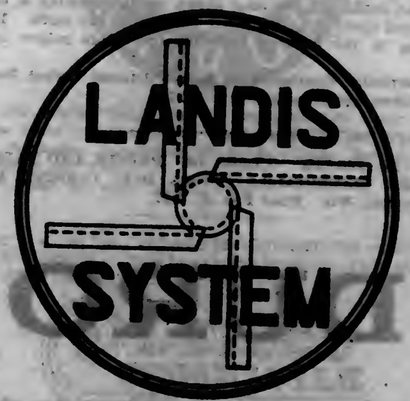
Ser. No. 243,312. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EDWARD T. HURLEY, Cincinnati, Ohio. Filed Jan. 25, 1927.



Particular description of goods.—Bronzes.

Claims use since about 1908.

Ser. No. 243,316. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LANDIS MACHINE COMPANY, Waynesboro, Pa. Filed Jan. 25, 1927.



No claim is made to the word "System" except in association with the other features of the mark as shown.

Particular description of goods.—Cutter Heads, Thread-Cutting Machines, Cutters Therefor and Parts Thereof.

Claims use since about Jan. 1, 1926.

Ser. No. 243,354. (CLASS 39. CLOTHING.) ETABLISSEMENTS PAUL OLMER & CIE., Paris, France. Filed Jan. 26, 1927.



The words "Hand Tailored Resilient Unwrinkable Tie," and the representation of the tie are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Neckties.

Claims use since Dec. 31, 1926.

Ser. No. 243,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMERY FOOD COMPANY, Chicago, Ill. Filed Feb. 2, 1927.



The outline of the label shown on the drawing is disclaimed apart from the other features of the mark. The lining in the drawing indicates the colors yellow and red.

Particular description of goods.—Canned Corned Beef.

Claims use since Jan. 19, 1927.

Ser. No. 243,725. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) O'NEIL DURO COMPANY, Milwaukee, Wis. Filed Feb. 2, 1927.

DURO

Applicant is owner of prior registrations Nos. 44,342 and 204,335.

Particular description of goods.—Paints of Every Description—Namely, Ready-Mixed Paints, Enamels, Colors in Oil, Lacquers, Wood Filler, Oil and Varnish Stains.

Claims use since Feb. 1, 1900.

Ser. No. 243,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) YVETTE CO., New York, N. Y. Filed Feb. 2, 1927.



No claim is made to the words "Childrens Hair Curling Fluid" apart from the mark as shown. The illustration of the human heads is fanciful and not of any particular individuals.

Particular description of goods.—A Toilet Preparation Used in Dressing Children's Hair.

Claims use since Jan. 25, 1927.

Ser. No. 243,751. (CLASS 15. OILS AND GREASES.) ADAM COOK'S SONS, INC., New York, N. Y. Filed Feb. 3, 1927.



The drawing is lined to indicate colors brown and yellow. The trade-mark consists in the design and wording shown in the drawing together with the alternate vertical stripes of brown and yellow covering practically the remaining perpendicular surface of the container. No claim is made to the representation of the container, nor to the words "Pressure," "Grease," "Lubricating Compound," and "Trade-Mark" apart from the mark shown.

Particular description of goods.—Lubricating Greases.

Claims use since Sept. 23, 1926.

Ser. No. 243,820. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANCISCUS GOMARUS MORTELMANS, The Hague, Netherlands. Filed Feb. 4, 1927.

REPETEX

Particular description of goods.—Photographic Copying Machines.

Claims use since May 1, 1926.

Ser. No. 243,862. (CLASS 32. FURNITURE AND UPHOLSTERY.) CICERO LAHATTE, Vicksburg, Miss. Filed Feb. 5, 1927.



The expressions "Quality for Quality" and "The World's Lowest Prices" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Tables for the Display of Groceries, Vegetables, Etc., in Grocery Stores and the Like.

Claims use since Jan. 3, 1927.

Ser. No. 243,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LESQUENDIEU, Paris, France, assignor to Lesquendieu, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1927.

NIKITA

Particular description of goods.—Cream Rouge for the Lips and Lip Sticks.

Claims use since Oct. 9, 1926.

Ser. No. 244,200. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GEORGE W. BLANK, Philadelphia, Pa. Filed Feb. 11, 1927.



Particular description of goods.—Buttons—Namely, Rubber-Headed Separable Buttons.

Claims use since on or about Jan. 27, 1927.

Ser. No. 244,272. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE BAY COMPANY, Bridgeport, Conn. Filed Feb. 12, 1927.

A BLUE SEAL QUALITY PRODUCT

No exclusive right is claimed to the use of the words "Quality Product" apart from the mark shown on the drawing.

Particular description of goods.—Surgical Dressings, Gauze Products, Adhesive Products, and Absorbent Cotton—Namely, Surgical Gauze, Bandages, and Adhesive Plaster.

Claims use since Jan. 2, 1927.

Ser. No. 244,273. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE BAY COMPANY, Bridgeport, Conn. Filed Feb. 12, 1927.



The border of the mark comprises red lines, shown in black in the drawing. The center of the mark comprises a solid dark blue field, indicated by the heavier horizontal scoring on the drawing, over a light blue field, indicated by lighter horizontal scoring in the drawing. The word "Bay's" is in solid red and the lines surrounding each of the letters are red, and is in an oval white field.

Particular description of goods.—Surgical Dressings, Gauze Products, Adhesive Products, and Absorbent Cotton—Namely, Surgical Gauze, Bandages, and Adhesive Plasters.

Claims use since Jan. 2, 1927.

Ser. No. 244,620. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATHIEU & SMITH, Patchogue, N. Y. Filed Feb. 19, 1927.



The words "Cough Syrup" are disclaimed apart from the other features of the mark shown in the drawing.

Particular description of goods.—Home Remedy for Coughs and Colds.

Claims use since March, 1906.

Ser. No. 244,743. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE CLEMETSEN COMPANY, Chicago, Ill. Filed Feb. 23, 1927.



No claim is made to the exclusive use of the word "File" apart from the mark as shown.

Particular description of goods.—Desks, Filing Cabinets, and Parts Thereof.

Claims use since Dec. 10, 1926.

Ser. No. 244,786. (CLASS 5. ADHESIVES.) ARTHUR G. PENMAN, Toronto, Ontario, Canada. Filed Feb. 23, 1927.

RUGGRIP

Particular description of goods.—A Compound Adhesive Fluid for Use for Woven Fabrics, Carpets, and Rugs.
Claims use since Feb. 1, 1927.

Ser. No. 244,787. (CLASS 5. ADHESIVES.) ARTHUR G. PENMAN, Toronto, Ontario, Canada. Filed Feb. 23, 1927.

TENCO

Particular description of goods.—A Compound Adhesive Fluid for Use for Woven Fabrics, Carpets, and Rugs.
Claims use since Feb. 1, 1927.

Ser. No. 244,814. (CLASS 39. CLOTHING.) BROHMAN COMPANY, New York, N. Y. Filed Feb. 24, 1927.

Petite Petiot

Particular description of goods.—Ladies', Misses', and Infants' Dresses, Blouses, Underwear, and Slips Made from Textile Materials.
Claims use since July 31, 1926.

Ser. No. 244,821. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDMUND TRAUB, Prague-Podbaba, Czechoslovakia. Filed Feb. 24, 1927.

EDMUND TRAUB PRAGUE ETRA

The word "Prague" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Dressed Leather.
Claims use since 1920.

Ser. No. 244,965. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE J. WEINSTEIN, doing business as George J. Weinstein Co., Cleveland, Ohio. Filed Feb. 26, 1927.

ORALLOY

Trade-mark consists of the word "Oralloy."
Particular description of goods.—Dental Gold.
Claims use since Feb. 3, 1927.

Ser. No. 245,076. (CLASS 39. CLOTHING.) ANT-I-WET CORPORATION, New York, N. Y. Filed Mar. 2, 1927.

ANT I WET

Particular description of goods.—Men's and Boys' Clothing—Namely, Overcoats, Coats, Vests, Trousers, Caps, and Hats; and Women's Coats and Suits.
Claims use since May 3, 1903.

Ser. No. 245,442. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL KORN, doing business as Lucky Planet Mfg. Co., Cincinnati, Ohio. Filed Mar. 9, 1927.

DREAM PLANETS

Particular description of goods.—Incense.
Claims use since Dec. 28, 1926.

Ser. No. 245,504. (CLASS 39. CLOTHING.) LOUIS H. MANKO, doing business as L. H. Manko & Company and National Summer Clothing Company, Philadelphia, Pa. Filed Mar. 10, 1927.

TROPALINE

Particular description of goods.—Men's and Boys' Outer Garments—Namely, Suits, Coats, Vests, and Trousers.
Claims use since Dec. 27, 1926.

Ser. No. 245,512. (CLASS 12. CONSTRUCTION MATERIALS.) NOVOCRETE AND CEMENT PRODUCTS COMPANY LIMITED, London, England. Filed Mar. 10, 1927.

NOVOCRETE

Particular description of goods.—Manufactures of a Lightweight Concrete Composed of Wood or Other Fibrous Materials Mixed with Portland Cement or Other Binders for Use in Building or Decoration.
Claims use since Feb. 19, 1924.

Ser. No. 245,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETTY HARRINGTON, New York, N. Y. Filed Mar. 11, 1927.

Betty Harrington

The mark shown on the drawing is a facsimile of applicant's signature.
Particular description of goods.—Facial Creams, Perfumes, and Hair Tonics.
Claims use since Dec. 8, 1926.

Ser. No. 245,592. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANK N. STEFFENS, New York, N. Y. Filed Mar. 11, 1927.

CRONITE

Particular description of goods.—Plated Cast and Forged Metal Plates and Dies for Printing Purposes.
Claims use since June 1, 1926.

Ser. No. 245,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WECKERLE & BERINGER, Feuerbach near Stuttgart, Germany. Filed Mar. 12, 1927.

MARKE BIBER

The word "Marke" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Candies and Bonbons.
Claims use since 1913.

Ser. No. 245,708. (CLASS 20. LINOLEUM AND OILED CLOTH.) GOLDENBERG'S, Washington, D. C. Filed Mar. 14, 1927.

REXOLEUM

Particular description of goods.—Felt Base Floor Rugs.
Claims use since Mar. 9, 1927.

Ser. No. 245,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. KIEFT, doing business as Lillian R. Company, San Francisco, Calif. Filed Mar. 14, 1927.

Lillian R.

Particular description of goods.—Toilet Preparations—Namely, Hand Lotion, Beauty Lotion, Skin-Toning Lotion, Beauty Cream, Cleansing Cream, Revitalizing Clay, Revitalizing Balm, Face Powder, Rouge, and a Slightly Astringent Preparation Used as a Skin Softener and Whitener and a Powder Base.
Claims use since 1912.

Ser. No. 245,829. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARVER FILE COMPANY, doing business as Delta File Works, Philadelphia, Pa. Filed Mar. 16, 1927.

MECHANIC-FAVORITE

Particular description of goods.—Files.
Claims use since July 1, 1909.

Ser. No. 245,855. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN R. MITCHELL & SON INC., Brooklyn, N. Y. Filed Mar. 16, 1927.

BOR-AM

Particular description of goods.—Powdered Laundry Soap.
Claims use since Apr. 1, 1926.

Ser. No. 245,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RATIN LABORATORY, INC., New York, N. Y. Filed Mar. 16, 1927.

ARIEL

Particular description of goods.—Moth Preventives, Insecticides, and Vermin Exterminators.
Claims use since Mar. 11, 1927.

Ser. No. 245,905. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Mar. 17, 1927.

Dulko
Enamel Book

The words "Enamel Book" are disclaimed apart from the mark shown. The lining on the drawing is for the purpose of shading only.

Particular description of goods.—Book Paper.

Claims use since Apr. 1, 1922.

Ser. No. 245,929. (CLASS 39. CLOTHING.) HERMAN SHAKIN, New York, N. Y. Filed Mar. 17, 1927.

Sergecraft

Particular description of goods.—Men's and Young Men's Outerwear—Viz, Suits in Two and Three Piece Garments, Trousers, Coats, and Vests.

Claims use since Jan. 14, 1927.

Ser. No. 246,010. (CLASS 12. CONSTRUCTION MATERIALS.) DAVID C. WHITE, doing business as Liquid-Iron Waterproofing Company, Detroit, Mich. Filed Mar. 18, 1927.

Liquid Iron

The colors indicated by the conventional lining of the drawing are employed in the present practice of applicant but the coloring per se is disclaimed as being no essential of the mark.

Particular description of goods.—Compound to be Applied to Walls, Floors, or Ceilings for Waterproofing Purposes.

Claims use since Feb. 28, 1927.

Ser. No. 246,077. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHICAGO NIPPLE MANUFACTURING CO. OF CALIFORNIA, Los Angeles, Calif. Filed Mar. 21, 1927.

BLUE RIBBON

Particular description of goods.—Cores for Pneumatic Tire Valves.

Claims use since Sept. 1st, 1926.

Ser. No. 246,168. (CLASS 39. CLOTHING.) ADELE LEVENE, New York, N. Y. Filed Mar. 22, 1927.



Applicant disclaims the exclusive use of the word "Hats" appearing on the drawing.

Particular description of goods.—Women's Hats.

Claims use since Jan. 1, 1919.

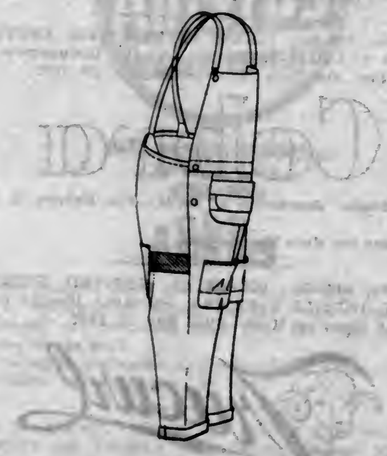
Ser. No. 246,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MITCHELL FLETCHER COMPANY, Philadelphia, Pa., and Atlantic City, N. J. Filed Mar. 22, 1927. Under 10-year proviso.

Park Farm

Particular description of goods.—Jellies—Viz, Apple, Blackberry, Crabapple, Cranberry, Damson, Currant, Grape, Mint (Apple Pectin), Quince, Plum, Peach, Rose, Raspberry, Raspberry and Currant, Strawberry; Jams—Viz, Apricot, Blackberry, Red Cherry, Red Currant, Damson, Gooseberry, Grape, Green Gage, Loganberry, Peach, Plum, Pineapple, Quince, Red Raspberry, Raspberry and Currant, Strawberry, Yellow Tomato, Orange Marmalade; Fruits in Glass (Canned or Preserved)—Apricots, R. A. Cherries, Pitted Red Cherries, Peaches, Pears, Prunes, Pineapple, Raspberries, Fruit Salad; Canned Fruits in Tin—Apricots, Cherries, Peaches, Pears, Pineapple, Plums; Vegetables in Glass or Tins—Asparagus, Asparagus Tips, Lima Beans, Stringless Beans, Beets, Beans and Pork, Corn, Peas, Succotash, Tomatoes, Spinach; Olives—Mammoth, Selected Queens, Stuffed, Stuffed Luncheon; Relishes and Pickles—Spiced Cucumber Rings, Stuffed Cucumber Rings, Mustard Chowchow, Cucumber Relish, Watermelon Rind, Pickle Melange, Spiced Pineapple, Midget Gherkins, Dill Pickles, Sweet Gherkins, Sour Gherkins; Apple Butter, Lemon Butter, Plum Puddings, Mincemeats, Salad Dressing, Catchup, Chili Sauce, Dairy Cheese, Vinegar, Table Butter, Oatmeal, Buckwheat Flour (Self Rising), Lard (Country Style), Bacon (in Strips and Sliced in Boxes), Hams, Maple Sugar, Maple Sirup, Figs and Dates, Stuffed Dates in Jars, Dates and Figs in Jars, Washed Figs in Jars.

Claims use since May 9, 1879.

Ser. No. 246,218. (CLASS 39. CLOTHING.) NEUSTADTER BROTHERS, San Francisco, Calif. Filed Mar. 23, 1927.



The representation of the overalls appearing upon the drawing is disclaimed. The trade-mark consists of coloring the hammer strap green in contrast to the color of the balance of the garment.

Particular description of goods.—Overalls.

Claims use since Feb. 26, 1927.

Ser. No. 246,331. (CLASS 37. PAPER AND STATIONERY.) CHICAGO GUM TAPE COMPANY, Chicago, Ill. Filed Mar. 25, 1927.



No claim is made to the representation of the goods nor to the word "Tape" apart from the mark as shown. Trade-mark consists of a core having a blue exposed surface as indicated by the line shading on the accompanying drawing. Applicant is the owner of registration No. 137,151.

Particular description of goods.—Gummed and Ungummed Paper Sealing, Veneer, and Stay Tapes.

Claims use since Dec. 15, 1926.

Ser. No. 246,439. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) THE ROYCROFTERS, East Aurora, N. Y. Filed Mar. 26, 1927.

Roycroft



The symbol which is a part of this mark is an adoption of the signum of Cassiodorus, Benedictine monk. The circle represents unity and the cross religious duty and privilege.

Particular description of goods.—Combination Match Holders and Ash Trays, Cigarette Holders, Ash Trays for Table Use, Ash Stands for Table Use, Humidors, Cigar Boxes, Cigar Trays, and Cigarette Boxes of Copper.

Claims use since about 1908.

Ser. No. 246,496. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) ANDREW A. OSETKOWSKI, doing business as Red Boy Products Co., Detroit, Mich. Filed Mar. 28, 1927.



The exclusive use of the words "Malt Syrup" and "Malt" is disclaimed except in connection with the mark as shown. The drawing is lined for red.

Particular description of goods.—Malt Sirup and Malt Extracts for Food Purposes.

Claims use since Dec. 23, 1925.

Ser. No. 246,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAVANNAH SUGAR REFINING CORPORATION, Savannah, Ga. Filed Mar. 28, 1927.

Pony Cubes

No claim is made to the exclusive use of the word "Cubes" apart from the mark as shown.

Particular description of goods.—Sugar.

Claims use since July 10, 1924.

Ser. No. 246,551. (CLASS 37. PAPER AND STATIONERY.) HOLYOKE CARD & PAPER COMPANY, Springfield, Mass. Filed Mar. 29, 1927.



Applicant disclaims an exclusive right to the following words apart from the mark shown in the drawing, "Brightwood," "Springfield," and "Massachusetts."

Particular description of goods.—Writing and Printing Paper.

Claims use since Jan. 1, 1920.

Ser. No. 246,578. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Mar. 29, 1927.

SUNFLOWER



Particular description of goods.—Oils, Greases, and Waxes of All Kinds and Similar Products for Lubricating, Illuminating, Heating, and Fuel Purposes, Also Gasoline, Refined Oil, and Naphtha.

Claims use since latter part of 1912.

Ser. No. 246,580. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIDNEY B. WHITESIDE, College Point, N. Y. Filed Mar. 29, 1927.

Bullytongs

Particular description of goods.—Hand Lifting Devices for Carrying Ice-Cream Cans.

Claims use since about Sept. 1, 1926.

Ser. No. 246,588. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 30, 1927.

Anteeta

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since Mar. 3, 1927.

Ser. No. 246,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Mar. 30, 1927.

Cebra

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since Mar. 2, 1927.

Ser. No. 246,665. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLTON WOOLEN COMPANY, Charlton, Mass. Filed Mar. 31, 1927.

Trucurl

Particular description of goods.—Chinchilla Cloth in the Form of Piece Goods.

Claims use since Feb. 14, 1927.

Ser. No. 246,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATILDA TIGERHJELM ONSTRAND, Minneapolis, Minn. Filed Mar. 31, 1927.

Tigerhjelm

The mark is a facsimile of the signature of C. P. Tigerhjelm (deceased).

Particular description of goods.—Healing Plaster, Liniment, and Cough Medicine.

Claims use since Mar. 21, 1927.

Ser. No. 246,815. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHABESO-GESELLSCHAFT M. B. H., Nuremberg, Germany. Filed Apr. 2, 1927.

Chabeso

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since 1911.

Ser. No. 246,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Apr. 2, 1927.



The exclusive use of the words "Kansas City, U. S. A.", "The Southwestern Milling Co. Inc.," and "Artificially Matured" are disclaimed apart from the other features shown in the mark.

Particular description of goods.—Wheat Flour.

Claims use since Mar. 15, 1927.

Ser. No. 246,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Apr. 2, 1927.



Exclusive use of the words "Self Rising," "Flour," "Kansas City, U. S. A.," "Artificially Matured," "The Southwestern Milling Co. Inc.," are disclaimed apart from the other features of the mark.

Particular description of goods.—Self-Rising Flour.

Claims use since Mar. 12, 1927.

Ser. No. 246,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. & W. PICKLE AND CANNING CO., Montgomery, Ala. Filed Apr. 2, 1927.

A PICNIC IN EVERY BOTTLE

Particular description of goods.—Pickles, Chowchow, and Relish Composed of Chopped Pickles, Sugar, Spices, and Spice Oils.

Claims use since April, 1925.

Ser. No. 246,866. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHAMPION DE ARMENT TOOL COMPANY, Meadville, Pa. Filed Apr. 4, 1927.



The mark consists of a colored band in red surrounding the socket of the hammer and is affixed to the goods by coloring the outer circumference of the socket red in the course of manufacture, this coloring being indicated by the shade lines in the drawing.

Particular description of goods.—Hammers.

Claims use since Sept. 22, 1926.

Ser. No. 246,867. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHAMPION DE ARMENT TOOL COMPANY, Meadville, Pa. Filed Apr. 4, 1927.



The trade-mark is affixed to the goods by coloring the movable jaw guide red as indicated by the shade lines in the drawing.

Particular description of goods.—Wrenches.

Claims use since Feb. 16, 1927.

Ser. No. 246,903. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HOOVER BODY COMPANY, York, Pa. Filed Apr. 4, 1927.

STEELKOTE

The words "Hoover," "Uni-Bilt," and "Body" are lined to indicate the color red. The lines shown on the armor are for shading only the words "Builders Since 1875, Trade Mark, Body, and York, Pennsylvania" are disclaimed apart from the mark as shown.

Particular description of goods.—Vehicle Bodies and Parts Thereof.

Claims use since Mar. 1, 1927.

Ser. No. 246,916. (CLASS 39. CLOTHING.) MAGNUS IMPORTS, LTD., New York, N. Y. Filed Apr. 4, 1927.

Stactop

Particular description of goods.—Men's, Women's, and Children's Raincoats of Rubberized and Cloth Materials; Women's and Boys' Overcoats, Topcoats, Sack Suits, Sport Suits, and Knickers of All-Wool Material, of Wool and Cotton Mixture, and Linen Materials Woven and Knitted; Men's, Women's, and Boys' Sweaters, Golf Hose, and Half Hose of Cashmere and Wool, of Cotton and Linen Materials Woven and Knitted.

Claims use since Dec. 2, 1926.

Ser. No. 246,921. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WM. H. MOLTER CO., Chicago, Ill. Filed Apr. 4, 1927.

BLUE RIBBON

Particular description of goods.—Textile Materials Stamped in Patterns for Embroidering to be Completed as Infant Dresses, Rompers, Creepers, Bibs, Fudge Aprons, Aprons, (Ladies', Tea, Children's, and Coverall), Dresses, Cuff-Collar Sets, Smocks, Nightgowns, Combing Jackets; Children's Dresses, Hats, and Blouses; Bed Spreads, Pillow Covers, Pillowcases, Sheets, Scarfs, Vanity Sets, Buffet Sets, Lunch Sets, Hot-Pad Holders, Doilies, Centers, Towels (Huck Glass), Splashers, Card-Table Covers, Sash Curtains, Kitchen Curtains, Bridge Sets, Plaques, Dinette Sets, Chair Backs, Silver Holders, Piano Scarfs, Radio Covers, Hook Rugs, and Laundry Bags.

Claims use since Feb. 29, 1927.

Ser. No. 246,934. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. SACHSSE & CO., Leipzig, Germany. Filed Apr. 4, 1927.

Hirudin

No claim is made to the exclusive use of the words "Hirudin" and "Leipzig" apart from the mark shown on the drawing. The drawing is lined to indicate the color green.

Particular description of goods.—A Preparation Made from Leeches Used to Make the Blood Uncoagulable.

Claims use since February, 1903.

Ser. No. 246,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEAR GLACÉ FRUIT CO., San Francisco, Calif. Filed Apr. 6, 1927.

BEAR

Particular description of goods.—Glacé Fruit.

Claims use since Jan. 15, 1926.

Ser. No. 247,029. (CLASS 37. PAPER AND STATIONERY.) CHARLES J. LINCOLN, New Bedford, Mass. Filed Apr. 6, 1927.

CHAS. J. LINCOLN
NEW BEDFORD, MASS.

No claim is made to the exclusive use of the words "Printer, New Bedford, Mass.," apart from the mark as shown in the drawing.

Particular description of goods.—Mailing Envelopes, Letterheads, Invoices, Looseleaf Sheets, Blank Tags, Binders, Ruled and Printed Report Sheets, Blank Labels, Blotters, Time Cards, Blank Shipping Receipts, and Auction-Bridge Score Pads.

Claims use since Oct. 16, 1925.

Ser. No. 247,089. (CLASS 32. FURNITURE AND UPHOLSTERY.) MAX KOHN, Chicago, Ill. Filed Apr. 7, 1927.

Style Pillows
Pillowcraft
Chicago

No claim is made to the words "Style Pillows" and "Chicago" apart from the mark shown on the drawing.

Particular description of goods.—Pillows.

Claims use since Dec. 1, 1925.

Ser. No. 247,094. (CLASS 12. CONSTRUCTION MATERIALS.) THE OHIO LIME & STONE COMPANY, Pemberville, Ohio. Filed Apr. 7, 1927.

ARTINT

Particular description of goods.—Colored Lime.

Claims use since Feb. 19, 1927.

Ser. No. 247,115. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 8, 1927.

Peachglo

Particular description of goods.—Woolen Textile Fabrics in the Piece.

Claims use since about Dec. 15, 1926.

Ser. No. 247,116. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 8, 1927.

Duvmere

Particular description of goods—Woolen Textile Fabrics in the Piece.

Claims use since about Dec. 15, 1926.

Ser. No. 247,128. (CLASS 39. CLOTHING.) THERON N. ELLINGS, INC., Chicago, Ill. Filed Apr. 8, 1927.

Easanstyle

Particular description of goods.—Men's, Women's, and Children's Shoes Made of Leather.

Claims use since 5th of December, 1913.

Ser. No. 247,169. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELIZABETH H. CHEIN, Harrison, N. J. Filed Apr. 9, 1927.

JUNIOR

Particular description of goods.—Toy Wagons, Toy Carts, Toy Automobiles, Toy Engines, Toy Cars, Toy Boats, and Toy Aeroplanes.

Claims use since Jan. 18, 1927.

Ser. No. 247,196. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif. Filed Apr. 9, 1927.

Mayflower

Applicant disclaims the word "Brand." The vertical lining of the drawing is intended to denote the color red.

Particular description of goods.—Fresh Deciduous Fruits—Namely, Apples, Peaches, and Plums; Fresh Figs, Fresh Pomegranates, and Fresh Grapes.

Claims use since Sept. 18, 1924.

Ser. No. 247,197. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif. Filed Apr. 9, 1927.

PURITAN

The diagonal lining of the drawing is for shading only.

Particular description of goods.—Fresh Deciduous Fruits—Namely, Apples, Peaches, and Plums; Fresh Figs, Fresh Pomegranates, Fresh Grapes, and Olives.

Claims use since Sept. 18, 1924.

Ser. No. 247,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL TODARO, doing business as P. Todaro & Co., New York, N. Y. Filed Apr. 9, 1927.

LA-NOVA

Particular description of goods.—Canned Tomatoes and Canned Fish.

Claims use since May, 1926, on canned fish, and since September, 1926, on canned tomatoes.

Ser. No. 247,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BABTE SIEVED VEGETABLE CO., Seattle, Wash. Filed Apr. 11, 1927.

KIDDIE KANNED
BRAND

Applicant disclaims exclusive right to the use of the words "Kanned" and "Brand" apart from the mark as shown.

Particular description of goods.—Canned Vegetables, Fruits, and Cereals.

Claims use since about Sept. 1, 1926.

Ser. No. 247,256. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Rubber Sheeting.
Claims use since on or about Jan. 5, 1927.

Ser. No. 247,263. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE COMER MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 11, 1927.

"KILMOTH"

Particular description of goods.—Preparation to Prevent and Destroy Moth.
Claims use since Jan. 10, 1927.

Ser. No. 247,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFAIR PRODUCTS, INC., New York, N. Y. Filed Apr. 11, 1927.

Mayfair
Clam Juice
COCKTAIL

The legend "Clam Juice Cocktail" is disclaimed apart from the other features of the mark.
Particular description of goods.—Beverages Containing Clam Juice and Packed in Containers.
Claims use since Feb. 10, 1927.

Ser. No. 247,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANADA BISCUIT COMPANY, LIMITED, London, Canada. Filed Apr. 12, 1927.

OVEN-KIST

Particular description of goods.—Biscuits.
Claims use since Mar. 1, 1927.

Ser. No. 247,319. (CLASS 59. CLOTHING.) HUNTINGTON UNDERWEAR COMPANY, Huntington, W. Va. Filed Apr. 12, 1927.

Huntington Maid

Particular description of goods.—Knitted or Textile Fabric Bloomers for Women and Children.
Claims use since March, 1926.

Ser. No. 247,410. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CECIL E. COCHENOUR, Little Rock, Ark. Filed Apr. 14, 1927.

3-Way
TONIC

Applicant disclaims the right to the exclusive use of the word "Tonic" apart from the mark shown.
Particular description of goods.—Hair Tonic.
Claims use since Apr. 1, 1927.

Ser. No. 247,416. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DENVER EQUIPMENT COMPANY, Denver, Colo. Filed Apr. 14, 1927.

DENVER EQUIPMENT
24
HOUR
SERVICE
COMPANY

The expression "24 Hour Service" is disclaimed apart from the mark as shown.
Particular description of goods.—Mining and Mill Machinery and Equipment Comprising Agitators, Ball Mills, Classifiers, Conditioners, Coolers, Crushers, Driers, Filters, Flotation Machines, Laboratory Equipment, Oil Feeders, Ore Feeders, Pumps, Reagent Feeders, Rodmills, Screens, and Thickeners.
Claims use since Feb. 8, 1927.

Ser. No. 247,428. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MAX GOLDBERG, doing business as Dormont Company, New York, N. Y. Filed Apr. 14, 1927.

DORMONT
TAILORED APPLIQUÉ

No claim is made to the use of the words "Tailored Appliqué" apart from the mark as shown.
Particular description of goods.—Appliqué in the Nature of Fancy Needlework, Hand and Machine, or Odd Pieces of Textile Material Cut or Shaped to Predetermined Artistic Designs and Assembled to Constitute Unitary Ornamental Figures on a Cloth Backing to Which the Said Pieces are Attached by Means of Some Stitching or an Adhesive Material.
Claims use since Dec. 15, 1926.

Ser. No. 247,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRÉS D. DE RABAGO & COMPAÑIA, Puebla del Caraminal, near Coruna, Spain. Filed Apr. 15, 1927.

CONTENTS 4½ OZ
PETIT RIVAGE BRAND
SARDINAS
EN ACEITE PURO DE OLIVA
ESPAÑOL

No claim is made to the exclusive use of the words "Contents 4½ oz.," "Brand," "Sardinas," "en Aceite Puro De Oliva," and "Español" nor to the outline of the container of the goods apart from the mark shown in the drawing. The lining in the drawing is intended to indicate shading only.
Particular description of goods.—Canned Goods and Salted Fish.
Claims use since September, 1924.

Ser. No. 247,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDRÉS D. DE RABAGO & COMPAÑIA, Puebla del Caraminal, near Coruna, Spain. Filed Apr. 15, 1927.

SANS SOUCI
BRAND
CONTENTS 4½ OZ

No claim is made to the exclusive use of the words "Brand," "Contents 4½ oz.," nor to the outline of the container of the goods apart from the other features of the mark shown in the drawing. The lining in the drawing is intended to represent shading only.
Particular description of goods.—Canned Goods and Salted Fish.
Claims use since September, 1926.

Ser. No. 247,537. (CLASS 39. CLOTHING.) THE L. N. GROSS COMPANY, Cleveland, Ohio. Filed Apr. 16, 1927.

WELWORTH

Particular description of goods.—Dresses for Women, Misses, and Children.
Claims use since about March, 1921.

Ser. No. 247,539. (CLASS 23. (CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL REGISTER COMPANY, Chicago, Ill. Filed Apr. 16, 1927.

CUTAWL

Particular description of goods.—Cutting Machines—Namely, Scroll Cutting Machines for Cutting Sheet Material Like Paper, Cloth, Leather, and Various Other Sheet Materials.
Claims use since on or before Dec. 14, 1924.

Ser. No. 247,594. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOURJOIS, INC., New York, N. Y. Filed Apr. 18, 1927.



The trade-mark is shown with flowers and leaves of contrasting colors, as indicated by the lining on the

drawing, displayed upon a black background, said lining indicating the colors red, green, yellow, and purple, but no claim is made to the particular colors shown.

Particular description of goods.—Perfume, Toilet Water, Face Powder, and Sachet.

Claims use since Apr. 1, 1925.

Ser. No. 247,620. (CLASS 39. CLOTHING.) LAU & COWAN, New York, N. Y. Filed Apr. 18, 1927.

SUPERTONE

Particular description of goods.—Hosiery.

Claims use since September, 1926.

Ser. No. 247,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. M. C. SHEPHERD, doing business as The Shepherd Company, Oakman, Ala. Filed Apr. 18, 1927.

SHEPHERD'S MARVELOUS DISCOVERY

Mrs M. C. Shepherd

The name appearing on the drawing is a facsimile of the signature of applicant. The words "Marvelous Discovery" are disclaimed apart from the association as shown.

Particular description of goods.—Medicinal Compound for the Treatment of Rheumatism.

Claims use since July, 1926.

Ser. No. 247,670. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIANCHINI, FERIER, Lyon, France. Filed Apr. 19, 1927.

SATINSKA

Particular description of goods.—Piece Goods of Silk, Artificial Silk, Wool, Cotton, Hairs, Hemp, Flax, and Jute.

Claims use since Mar. 24, 1926.

Ser. No. 247,673. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BRITENALL MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 19, 1927.

BRITENALL

Particular description of goods.—Detarnishing, Cleaning, and Polishing Compound for Metal Ware.

Claims use since about 1914.

Ser. No. 247,740. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KNIGHT & THOMAS, INC., Boston, Mass. Filed Apr. 20, 1927. Under 10-year proviso.

UNDERWRITERS

Particular description of goods.—Portable Hand Fire-Extinguishing Apparatus.

Claims use since Dec. 17, 1894.

Ser. No. 247,765. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARWICK MILLS, West Warwick, R. I., and Boston, Mass. Filed Apr. 20, 1927.



Applicant disclaims the representation of the goods apart from the mark as shown. The mark is shown in the form of three stripes, the stripe effect being effected by weaving the selvage with regular twist yarns in association with reverse twist yarns, the like twist yarns being grouped.

Particular description of goods.—Two-Ply Cotton Yarn Marquisettes in the Piece.

Claims use since Jan. 31, 1927.

Ser. No. 247,835. (CLASS 39. CLOTHING.) WAYNESBORO KNITTING COMPANY, Waynesboro, Pa., and New York, N. Y. Filed Apr. 21, 1927.



Particular description of goods.—Knitted, Netted, and Textile Underwear of Rayon, Rayon and Silk, Silk, Silk and Cotton, and Cotton for Men, Women, and Children.

Claims use since January, 1927.

Ser. No. 247,899. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEESBURG CORPORATION, Cedar Rapids, Iowa. Filed Apr. 23, 1927.

Servibus

Particular description of goods.—Book Racks.

Claims use since on or about May 15, 1924.

Ser. No. 247,904. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MECHANICAL SPECIALTY CO., Bayonne, N. J. Filed Apr. 23, 1927.

TURBO VAPORIZER

No claim is made to the word "Vaporiser" apart from the other features of the mark shown.

Particular description of goods.—Vaporiser Devices Designed for Use with Internal-Combustion Engines to Vaporise the Fuel Mixture and Increase Turbulence Thereof.

Claims use since Jan. 13, 1927.

Ser. No. 247,954. (CLASS 32. FURNITURE AND UPHOLSTERY.) LOUIS BIEBFELD COMPANY, NOT INC., Chicago, Ill. Filed Apr. 25, 1927.



Particular description of goods.—Mirrors.

Claims use since Mar. 29, 1927.

Ser. No. 248,065. (CLASS 39. CLOTHING.) LOUIS STRAUS, INC., San Francisco, Calif. Filed Apr. 27, 1927.



Particular description of goods.—Boys' and Male Students' Suits and Overcoats.

Claims use since Apr. 5, 1927.

Ser. No. 248,066. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TOMCHIN & LEVINSON, INC., New York, N. Y. Filed Apr. 27, 1927.

TELBEE

Particular description of goods.—Bracelets for Wrist Watches.

Claims use since Mar. 1, 1927.

Ser. No. 248,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FULLER AND FULLER, Los Angeles, Calif. Filed Apr. 28, 1927.

ARDATH

Particular description of goods.—Perfumes, Sachets, Face Powder, Cleansing Cream, Lemon Cream; Tissue Builder, Which is a Preparation Consisting of White Mineral Oil, White Ceresin Wax, White Beeswax, and Paraffin Wax Applied to the Face After Cleansing and to Remain Thereon Over Night and Which Aids in Removing Wrinkles; Astringent Toilet Water and Rouge.

Claims use since Aug. 10, 1924.

Ser. No. 248,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SALADINO DISTRIBUTING COMPANY, Mercedes, Tex. Filed Apr. 28, 1927.

Maerose

Particular description of goods.—Assorted Small Lots of Fresh Citrous and Deciduous Fruits Packed in Special Gift Packages.

Claims use since November, 1925.

Ser. No. 248,192. (CLASS 39. CLOTHING.) PARKWAY MFG. CO., INC., Buffalo, N. Y. Filed Apr. 29, 1927.

PARKWAY

FROCK-SMOCK

No claim is made to the words "Frock Smock" apart from the mark shown on the drawing.

Particular description of goods.—Women's and Misses' Dresses, Aprons, House Dresses, Smocks; Nurses' and Maids' Uniforms; Negligees, Kimonos, and Bathrobes.

Claims use since Nov. 15, 1926.

Ser. No. 248,223. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BENJAMIN COOPER, New York, N. Y. Filed Apr. 30, 1927.

PUBLIC WEAR

SHOE LACES

The words "Public Wear" and "Shoe Laces" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Shoe Laces.

Claims use since Jan. 15, 1927.

Ser. No. 248,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EHRAT CHEESE COMPANY, INC., Chicago, Ill. Filed Apr. 30, 1927.

CRACKLES

Particular description of goods.—Potato Chips.

Claims use since Feb. 25, 1927.

Ser. No. 248,235. (CLASS 12. CONSTRUCTION MATERIALS.) JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis. Filed Apr. 30, 1927.

TRADE JAMESWAY INSULATION MARK

No claim is made to the words "Trade-Mark" or "Insulation" apart from the mark as shown.

Particular description of goods.—Heat-Insulating Wall Board.

Claims use since Apr. 1, 1927.

Ser. No. 248,258. (CLASS 39. CLOTHING.) SHAPIRO & SONS, INC., New York, N. Y. Filed Apr. 30, 1927.

GOLD STANDARD COATS

GOLD

The word "Coats" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Girls' and Women's Coats.

Claims use since Apr. 1, 1927.

Ser. No. 248,264. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TASTY COOKER COMPANY, Detroit, Mich. Filed Apr. 30, 1927.

Tasty

Particular description of goods.—Base-Metal Food Cookers for Use on Stoves and Ranges.

Claims use since Apr. 1, 1927.

Ser. No. 248,272. (CLASS 32. FURNITURE AND UPHOLSTERY.) BAILEY-SCHMITZ CO. INC., Los Angeles, Calif. Filed May 2, 1927.

QUALITAS BAILEY-SCHMITZ

Particular description of goods.—Household Furniture—Namely, Mattresses.

Claims use since Feb. 10, 1926.

Ser. No. 248,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCCLINTOCK-TRUNKEY CO., Spokane, Wash. Filed May 2, 1927.

FEDERAL STORES

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Condensed Milk.

Claims use since Feb. 14, 1927.

Ser. No. 248,313. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MONTEVERDE, ROLANDELLI & PARODI, INC., San Francisco, Calif. Filed May 2, 1927.

Montrola

Particular description of goods.—Vegetable Oil for Use as Salad Oil or in Cooking.

Claims use since Jan. 3, 1927.

Ser. No. 248,317. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NORTHERN BLOWER COMPANY, Cleveland, Ohio. Filed May 2, 1927.

NB NORTHERN BLOWER

Particular description of goods.—Dust Collectors for Removing Dust in Foundries, Factories, Machine Shops, Etc.

Claims use since January, 1927.

Ser. No. 248,330. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SATINLAC CO. INC., Brooklyn, N. Y. Filed May 2, 1927.

DUROGLOS

Particular description of goods.—Polishing Compounds for Enameled, Lacquered, or Varnished Surfaces.

Claims use since Apr. 23, 1927.

Ser. No. 248,337. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JULIUS WIEDEN, doing business as J. Wieden, Los Angeles, Calif. Filed May 2, 1927.

ZINCOPAD



The representation of the goods is disclaimed apart from the mark as shown.

Particular description of goods.—Electrotherapeutic Pads and Belts.

Claims use since Apr. 22, 1927.

Ser. No. 248,347. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CLARK & PHINISEY COMPANY, Clare, Mich. Filed May 3, 1927.

BILL'S POLISH

HJSVRP

The term "Polish" is disclaimed apart from the other features shown in the drawing.

Particular description of goods.—A Polish for Automobile Bodies, Furniture, and Woodwork.

Claims use since Apr. 1, 1927.

Ser. No. 248,428. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

HERBERT

Particular description of goods.—Canned Fruits.
Claims use since Nov. 11, 1919.

Ser. No. 248,468. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed May 5, 1927.

CHERILAINE

Particular description of goods.—Woolen Textile Fabrics in the Piece.
Claims use since about Nov. 1, 1926.

Ser. No. 248,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DERMA-REX COMPANY, Baltimore, Md. Filed May 5, 1927.

DERMA-REX

Particular description of goods.—Ointment for the Treatment of Skin Diseases.
Claims use since Mar. 10, 1927.

Ser. No. 248,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EHRAT CHEESE COMPANY, INC., Chicago, Ill. Filed May 5, 1927.

Polly



Particular description of goods.—Potato Chips.
Claims use since Feb. 25, 1927.

Ser. No. 248,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESKIMO PIE CORPORATION, Louisville, Ky. Filed May 5, 1927.

SNOW MAN

Particular description of goods.—Candy Covering for Frozen Confections.
Claims use since Mar. 13, 1926.

Ser. No. 248,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAVOUR CANDY CO., Chicago Ill. Filed May 5, 1927.

ALMOND KRUNCH

No claim is made to the word "Almond" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since Nov. 10, 1926.

Ser. No. 248,504. (CLASS 39. CLOTHING.) LEVITT HAT CO. INC., New York, N. Y. Filed May 5, 1927.

ROXY

Particular description of goods.—Men's Hats and Caps.
Claims use since Apr. 18, 1927.

Ser. No. 248,508. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDDLE STATES PACKING COMPANY, Chicago, Ill. Filed May 5, 1927.

999
NINE-NINETY-NINE

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Berries, Canned Succotash, and Canned Sliced Pineapple.
Claims use since Apr. 7, 1927.

Ser. No. 248,516. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICE AND FISHMAN, Newark, N. J. Filed May 5, 1927.

Vico

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Shell Fish, and Evaporated Milk.
Claims use since Aug. 20, 1926.

Ser. No. 248,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICO PRODUCTS COMPANY, Minneapolis, Minn. Filed May 5, 1927.

WHITE MULE

Particular description of goods.—Yeast Foods for the Stimulation of Yeast Used in Baking and in the Preparation of Other Foods or Ingredients of Foods.
Claims use since Apr. 20, 1927.

Ser. No. 248,538. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. F. WALLISER COMPANY, Chicago, Ill. Filed May 5, 1927.

VAL-VENTANA

Particular description of goods.—Fabric Valances.
Claims use since Apr. 14, 1927.

Ser. No. 248,549. (CLASS 39. CLOTHING.) BRADLEY KNITTING COMPANY, Delavan, Wis. Filed May 6, 1927.

Rit-Z-Ann

Particular description of goods.—Knitted Sport Coats for Women.
Claims use since Mar. 15, 1927.

Ser. No. 248,562. (CLASS 11. INKS AND INKING MATERIALS.) THE FRANKLIN-KELLY COMPANY, Chicago, Ill. Filed May 6, 1927.

Ask any good Stenographer

Particular description of goods.—Carbon Paper and Typewriter Ribbons.
Claims use since Apr. 6, 1926.

Ser. No. 248,568. (CLASS 39. CLOTHING.) HAINES HOSIERY MILLS INC., Philadelphia, Pa. Filed May 6, 1927.

VAMP
HEEL

No claim is made to the word "Heel" apart from the other features of the mark.
Particular description of goods.—Ladies' Hosiery.
Claims use since Feb. 12, 1927.

Ser. No. 248,591. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PICROLEINE PRODUCTS CO., Montreal, Quebec, Canada. Filed May 6, 1927.

Picroleine

Particular description of goods.—Preparations for the Treatment and Relief of Burns, Scalds, Wounds, Ulcers, Carbuncles, Boils, Pimples, and Such Ailments, General Antiseptic Healing and Restorative Applications.
Claims use since Oct. 1, 1926.

Ser. No. 248,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTHONY C. RIESSELMAN, Leroy, N. Y. Filed May 6, 1927.

HONEY KOOKIE

Particular description of goods.—Pop-Corn Confections.
Claims use since March, 1927.

Ser. No. 248,631. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) E. D. GIBERSON & COMPANY, INC., New York, N. Y. Filed May 7, 1927.

EXCELO

Particular description of goods.—Welding Wire.
Claims use since Oct. 1, 1926.

Ser. No. 248,637. (CLASS 15. OILS AND GREASES.) JERRY F. KISSAN, Watkins Glen, N. Y. Filed May 7, 1927.



SENECA

Particular description of goods.—Gasoline, Kerosene, Fuel Oils, and Motor Oils and Greases.
Claims use since Feb. 1, 1926.

Ser. No. 248,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED MORAN, doing business as A. Moran & Company, Flint, Mich. Filed May 7, 1927.



MORANS

No claim is made to the exclusive use of the word "Morans" apart from the mark as shown in the drawing.

Particular description of goods.—Horse-Radish.

Claims use since Apr. 1, 1925.

Ser. No. 248,650. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PHILLIP ROUNSEVELLE, doing business as The Archers Company, Pinehurst, N. C. Filed May 7, 1927.



Particular description of goods.—Bows, Arrows, Quivers, and Arm Guards.

Claims use since Apr. 1, 1927.

Ser. No. 248,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TERMINAL BARBER SHOPS, INC., New York, N. Y. Filed May 7, 1927.

TERMINAL

Particular description of goods.—Hair Tonics.

Claims use since about Apr. 1, 1924.

Ser. No. 248,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TERMINAL BARBER SHOPS, INC., New York, N. Y. Filed May 7, 1927.



Particular description of goods.—Hair Tonics.

Claims use since Apr. 1, 1924.

Ser. No. 248,664. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ALBERT DICKINSON COMPANY, Chicago, Ill. Filed May 9, 1927.



Particular description of goods.—Hulled and Cleaned Popping Corn.

Claims use since Jan. 7, 1927.

Ser. No. 248,671. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BROOKS TENT & AWNING COMPANY, Denver, Colo. Filed May 9, 1927.

UMBRELLA

Particular description of goods.—Cloth for All Articles Designed or Used for Protection of Human Beings, Animals, or Property from the Elements, Weather, or Otherwise and Such as Tents, Sheets, Covers, and the Like.

Claims use since Dec. 20, 1924.

Ser. No. 248,673. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HARRY C. CLARKE & CO., East Pittsburgh, Pa. Filed May 9, 1927.

NEPTUNE
POLISHING CREAM

Applicant disclaims exclusive right to the use of the words "Polishing Cream" apart from the mark as shown in the drawing.

Particular description of goods.—Preparation for Polishing Silver, Nickel, Brass, Aluminum, and Copper.

Claims use since July 15, 1926.

Ser. No. 248,682. (CLASS 39. CLOTHING.) THE HART COMPANY, Long Prairie, Minn. Filed May 9, 1927.



Particular description of goods.—Ladies' Dresses and Men's Work Shirts and Overalls.

Claims use since Oct. 1, 1926.

Ser. No. 248,684. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



The word "Crepe" is disclaimed apart from the mark as shown.

Particular description of goods.—Toilet Paper.

Claims use since Apr. 24, 1926.

Ser. No. 248,685. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



The words "Lyndale," "Crepe Tissue," and "7 Ounces" are disclaimed apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since Nov. 19, 1926.

Ser. No. 248,686. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



The words "Crepe" and "Toilet Paper" are disclaimed apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since Apr. 20, 1926.

Ser. No. 248,688. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



The words "Soluble," "Tissue," "Guaranteed," and "1000" Sheets" are disclaimed apart from the mark as shown.

Particular description of goods.—Toilet Paper.

Claims use since Apr. 5, 1926.

Ser. No. 248,689. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



All wording appearing upon the drawing is disclaimed apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since Apr. 20, 1926.

Ser. No. 248,690. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



The words "Large Size Tissue," "1000 Sheets," and "Muncie, Indiana," are disclaimed apart from the mark as shown.

Particular description of goods.—Toilet Paper.
Claims use since Nov. 27, 1926.

Ser. No. 248,691. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



All wording appearing on the drawing is disclaimed apart from the mark as shown.

Particular description of goods.—Toilet Paper.
Claims use since Apr. 20, 1926.

Ser. No. 248,711. (CLASS 32. FURNITURE AND UPHOLSTERY.) NATIONAL SPRING & WIRE CO., Grand Rapids, Mich. Filed May 9, 1927.



No claim is made to the words "Genuine" and "Bedding and Springs" apart from the other features of the mark shown.

Particular description of goods.—Mattresses and Bed Springs.
Claims use since Dec. 1, 1926.

Ser. No. 248,712. (CLASS 32. FURNITURE AND UPHOLSTERY.) NATIONAL SPRING & WIRE CO., Grand Rapids, Mich. Filed May 9, 1927.



Particular description of goods.—Mattresses and Bed Springs.
Claims use since Dec. 1, 1926.

Ser. No. 248,716. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DANIEL E. PAPENFUS, doing business as Duratite Putty Company, Long Beach, Calif. Filed May 9, 1927.



Particular description of goods.—Putty.
Claims use since Apr. 16, 1927.

Ser. No. 248,722. (CLASS 17. TOBACCO PRODUCTS.) THE POSTAL CIGAR COMPANY, Miami, Fla. Filed May 9, 1927.

POSTAL CIGARS

The word "Cigars" is disclaimed apart from the other features shown on the drawing.

Particular description of goods.—Cigars.
Claims use since May 2, 1927.

Ser. No. 248,729. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SANITARIUM AND HOSPITAL EQUIPMENT COMPANY, Battle Creek, Mich. Filed May 9, 1927.

SOLAR

Particular description of goods.—Electric-Arc Lamps Used for Therapeutic Purposes.
Claims use since January, 1906.

Ser. No. 248,735. (CLASS 2. RECEPTACLES.) ARNOLD J. TANNER, doing business as O-T Manufacturing Company, New Haven, Conn. Filed May 9, 1927.

BETA

Particular description of goods.—Folding Paper Containers Used for Packing, Displaying, and Dispensing Merchandise.
Claims use since June 1, 1926.

Ser. No. 248,750. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. EDWIN BRY AND BRO., New York, N. Y. Filed May 10, 1927.

MABEL

Particular description of goods.—Silks, Satins, Cotton Fabrics and Collar Cloth Made from Wool and Wool and Cotton.
Claims use since Jan. 1, 1926.

Ser. No. 248,774. (CLASS 25. LOCKS AND SAFES.) SIGURD J. HOFF, doing business as Keelock Manufacturing Co., New York, N. Y. Filed May 10, 1927.



KEELOCK

Particular description of goods.—Keyhole Lock.
Claims use since about Apr. 12, 1927.

Ser. No. 248,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATHAN LINDEMAN, Newark, N. J. Filed May 10, 1927.



Particular description of goods.—Horse-Radish Cocktail Sauce, Beet Relish, and Mustard and Horse-Radish.
Claims use since June 10, 1912.

Ser. No. 248,792. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 10, 1927.

Selox

Particular description of goods.—Washing Powder.
Claims use since Apr. 25, 1927.

Ser. No. 248,796. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) T. J. ROHAN CO., INC., Brooklyn, N. Y. Filed May 10, 1927.

RONCOLAC

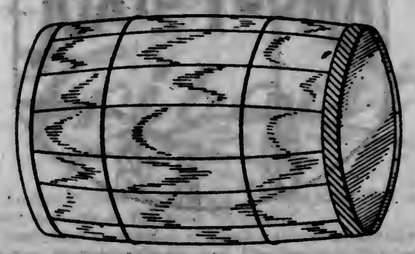
Particular description of goods.—Lacquers, Paint Enamels, and Thinners.
Claims use since Jan. 5, 1926.

Ser. No. 248,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill. Filed May 11, 1927.



Particular description of goods.—Ice Cream.
Claims use since Apr. 21, 1927.

Ser. No. 248,844. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, South Bartonville, Peoria, Ill. Filed May 11, 1927.



The lining of drawing represents the color green. The mark consists of a green circle or band around the keg in which the nails are packed and shipped and contrast-

ing with the natural wood of the keg, and other binders for securing the staves of the keg together. No claim is made to the representation of the keg as part of the mark as shown by the drawing.

Particular description of goods.—Nails.

Claims use since Apr. 15, 1927.

Ser. No. 248,868. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) YANKEE DANDY PRODUCTS CO., New York and Brooklyn, N. Y. Filed May 11, 1927.



No claim is made to the printed matter with the exception of the word "Yankee" and the letters "Y D" apart from the mark shown on the drawing.

Particular description of goods.—Liquid Polish for Furniture, Automobile Bodies, and the Like.

Claims use since Apr. 17, 1926.

Ser. No. 248,870. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMENDOLA BROTHERS, Inc., doing business as Amendola's Laboratories, New Haven, Conn. Filed May 12, 1927.



Particular description of goods.—Hair Tonic and Hair Dressing.

Claims use since Mar. 24, 1927.

Ser. No. 248,873. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BARLOW & JONES, LIMITED, Manchester, England. Filed May 12, 1927. Under 10-year proviso.

OSMAN

Particular description of goods.—Towels, Bath Mats, Curtains, Quilts, Counterpanes, Bed Spreads, Sheets, Pillowcases, Bolster Cases, All Being Goods Made of Cotton or Principally of Cotton.

Claims use since 1879.

Ser. No. 248,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. N. FIELD, Los Angeles, Calif. Filed May 12, 1927.

CALIFORNIA



The word "California" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Hair Restorer.

Claims use since Jan. 22, 1927.

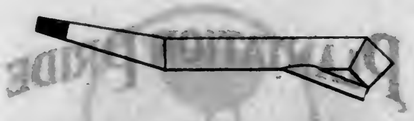
Ser. No. 248,893. (CLASS 39. CLOTHING.) FOX-KNAPP MFG. CO., New York, N. Y. Filed May 12, 1927.



Particular description of goods.—Flannel, Dress, Negligee, and Work Shirts.

Claims use since January, 1927.

Ser. No. 248,895. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN E. GOEBLICH, Toledo, Ohio. Filed May 12, 1927.



The lining in the drawing indicates yellow or gold color. The yellow contrasted color is applied to the tip or terminus as distinguished from the body of the device. No claim is made to the pictorial representation of the goods apart from the mark shown. The trade-mark is a yellow contrasted color applied to the tip or terminus as distinguished from the body of the device.

Particular description of goods.—Mufflers and Cut-Outs for Internal-Combustion Engines, and Parts of the Same.

Claims use since about Mar. 1, 1927.

Ser. No. 248,896. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN E. GOEBLICH, Toledo, Ohio. Filed May 12, 1927.

Loud Speaker

Particular description of goods.—Mufflers and Cut-Outs for Internal-Combustion Engines, and Parts of the Same.

Claims use since about Oct. 1, 1925.

Ser. No. 248,900. (CLASS 39. CLOTHING.) THE L. N. GROSS COMPANY, Cleveland, Ohio. Filed May 12, 1927.



No claim is made to the word "Value" apart from the mark shown.

Particular description of goods.—Women's Garments—Namely, Dresses.

Claims use since about Apr. 2, 1926.

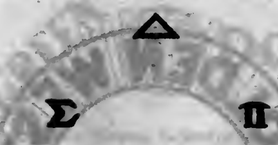
Ser. No. 248,901. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Time Hill, Cincinnati, Ohio. Filed May 12, 1927.

QUADRON

Particular description of goods.—Watches.

Claims use since July 7, 1926.

Ser. No. 248,912. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERNATIONAL FRATERNITY OF DELTA SIGMA PI, Chicago, Ill. Filed May 12, 1927.



Particular description of goods.—Fraternity Pins, Badges, Lapel Buttons, Cuff Links, Tie Clasps, Charms, and Finger Rings.

Claims use since Nov. 7, 1907.

Ser. No. 248,913. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KOSMOS BROTHERS, New York, N. Y. Filed May 12, 1927.

PLAZA

Particular description of goods.—Watches and Watch Movements.

Claims use since on or about Apr. 15, 1927.

Ser. No. 248,918. (CLASS 39. CLOTHING.) MARKS-CHANDLER COMPANY, Amesbury, Mass. Filed May 12, 1927.

ARCH CONSERVER

Particular description of goods.—Leather and Cloth Shoes.

Claims use since October, 1926.

Ser. No. 248,937. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SMITH AMERICA INC., New York, N. Y. Filed May 12, 1927.

NOBRK

Particular description of goods.—Watches.

Claims use since Apr. 28 1927.

Ser. No. 248,943. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed May 12, 1927.

Tribout

Applicant owns registration No. 224,220. The trade-mark consists of the word "Tribout."

Particular description of goods.—Gloves of Leather and Similar Material, Fabric, and Combinations Thereof for Men and Women.

Claims use since May 5th, 1927.

Ser. No. 248,945. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE WEEPING WATER STONE CO., Weeping Water, Nebr. Filed May 12, 1927.

GOLDEN WEST SHELLMAKER WEEPING WATER BRAND

No claim is made to the words "Brand" and "Shellmaker" apart from the other features of the mark illustrated in the accompanying drawing.
Particular description of goods.—Limestone.
Claims use since Mar. 1, 1927.

Ser. No. 248,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. B. CLEMENT, Meridian, Miss. Filed May 13, 1927.

AUTO-SEPTIC

Particular description of goods.—Mouth Wash and Tooth Paste.
Claims use since Mar. 9, 1923.

Ser. No. 248,956. (CLASS 39. CLOTHING.) THE DAYTON COMPANY, Minneapolis, Minn. Filed May 13, 1927.

U-HI

Particular description of goods.—Misses' and Women's Leatherette Coats.
Claims use since Apr. 29, 1927.

Ser. No. 248,960. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & CO., INC., Philadelphia, Pa. Filed May 13, 1927.

CAPITOL



Particular description of goods.—White Lead and Ready-Mixed Paints.
Claims use since 1860.

Ser. No. 248,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBINSON SYRUP COMPANY, Cairo, Ga. Filed May 13, 1927.

PLANTATION PRIDE

Particular description of goods.—Table Syrup.
Claims use since November, 1926.

Ser. No. 248,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALKER SAUNDERS, Number Four, N. Y. Filed May 13, 1927.

"Saunders"

The drawing is a facsimile of applicant's signature.
Particular description of goods.—Ointment Used in Treating Man, for Chapped Hands, Eczema, Piles, Sunburn, Burns, Insect Bites, Ring Worm, Chafing of the Skin, Dandruff, Scalded Scalp, and All Skin Diseases; in Treating Dogs or Cats for Mange, Sores, or Other Skin Diseases; for Treating Cows and Horses for Chapped Teats, Garget, Cuts, Ringworms, Cowpox, Collar Galls, Harness Chafes, and Saddle Galls.
Claims use since Nov. 1, 1926.

Ser. No. 248,999. (CLASS 39. (CLOTHING.) THE FAMOUS DRESS COMPANY, Cleveland, Ohio. Filed May 14, 1927.

Famous Frocks

Exclusive use of the word "Frocks" separate and apart from the mark shown in the drawing is hereby disclaimed.
Particular description of goods.—Ladies' and Misses' Dresses.
Claims use since October, 1918.

Ser. No. 249,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLAVOUR CANDY CO., Chicago, Ill. Filed May 14, 1927.

DUCK BONES

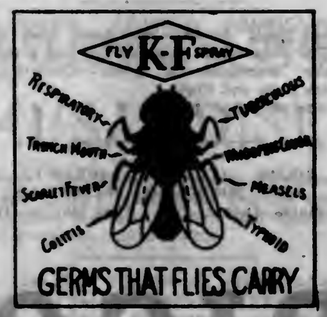
Particular description of goods.—Candy.
Claims use since Apr. 27, 1927.

Ser. No. 249,008. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. JOHNSON, near Gordonsville, Va. Filed May 14, 1927.

TRAILS END STRAIN

The word "Strain" is disclaimed apart from the mark shown.
Particular description of goods.—Baby Chicks, Eggs for Hatching, and Breeding Poultry Stock.
Claims use since May 5, 1927.

Ser. No. 249,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WESTERN LABORATORIES, INC., Phoenix, Ariz. Filed May 14, 1927.



No claim is made for any of the wording appearing on the drawing, with the exception of the letters "K-F" apart from the mark shown in the drawing.
Particular description of goods.—Insecticide.
Claims use since Feb. 1, 1926.

Ser. No. 249,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) I. W. BICKLEY, doing business as A. F. Bickley & Son, Philadelphia, Pa. Filed May 16, 1927.



The drawing is lined conventionally merely to make it conform with the specimens presented and for the purpose of this application. No claim is made to any particular color of any portion of the mark, nor for the exclusive use of the wording, apart from the mark shown on the drawing.
Particular description of goods.—Oleomargarine.
Claims use since Aug. 1, 1917.

Ser. No. 249,042. (CLASS 39. CLOTHING.) BLEK CO. MFGRS., Maplewood, Mo. Filed May 16, 1927.

GREEN DOT

The lining in the drawing indicates the color green.
Particular description of goods.—Garters for Men, Women, and Children.
Claims use since Apr. 15, 1927.

Ser. No. 249,045. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWARD J. CRANE, Chippewa Falls, Wis. Filed May 16, 1927.

"FOR THE LAND'S SAKE"

Particular description of goods.—Seeds of All Kinds.
Claims use since Mar. 1, 1889.

Ser. No. 249,057. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL APPLIANCE CORPORATION, Wilmington, Del., and San Francisco, Calif. Filed May 16, 1927.

GACOR

Particular description of goods.—Sets of Electric Lights and Circuit Interrupters for Christmas-Tree Decoration, Electric Cigarette Lighters, Circuit Interrupters Adapted for Use with Automobile Stop Lights.
Claims use since July 26, 1926.

Ser. No. 249,063. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND RAPIDS STORE EQUIPMENT CORPORATION, Grand Rapids and Sparta, Mich. Filed May 16, 1927.

GR

Particular description of goods.—Store Furnishings, Fittings, and Equipment—Namely, Show Cases, Wardrobes, Shelving, Tables, Racks, Units, Wall Cases, and the Like.
Claims use since Apr. 5, 1927.

Ser. No. 249,067. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) "IT" PRODUCTS CO., Los Angeles, Calif. Filed May 16, 1927.

IT

Particular description of goods.—Medicine for the Treatment of Coccidiosis, Diarrhea, Worms, Intestinal Parasites, Roup, Cold, and Pox in Poultry.
Claims use since Mar. 1, 1927.

Ser. No. 249,068. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) O. F. JORDAN COMPANY, East Chicago, Ind. Filed May 16, 1927.

JORDAN

Particular description of goods.—Railway Track Oiler and Spraying Machines and Railroads Spreaders (the Latter Being a Machine for Spreading Ballast, Ditching, Bank-Shaping, and for Doing Snowplow Work and Ice-Cutting on Railways.)
Claims use since on or about Feb. 7, 1924.

Ser. No. 249,091. (CLASS 39. CLOTHING.) D. M. OSBAUAN MFG. CO., Jefferson City, Mo., and New York, N. Y. Filed May 16, 1927.

DOUBLE DUTY

Particular description of goods.—Men's and Boys' Work Shirts.
Claims use since Feb. 15, 1927.

Ser. No. 249,094. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PREMIER SPORT PRODUCTS, INCORPORATED, New York, N. Y. Filed May 16, 1927.



The word "Golf" is disclaimed apart from the mark shown. The drawing is lined for red and green.
Particular description of goods.—Clock-Golf Game Played with Balls and Clubs.
Claims use since Apr. 1, 1927.

Ser. No. 249,096. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RICO LABORATORIES, Denver, Colo. Filed May 16, 1927.

RICO

Particular description of goods.—Soap Pastes for Cleaning Walls, Woodwork, Floors, Tableware, and Utensils.
Claims use since May 1, 1927.

Ser. No. 249,097. (CLASS 24. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROTAIR BURNER CORPORATION, San Francisco, Calif. Filed May 16, 1927.

ROTAIR

Particular description of goods.—Liquid-Fuel Burners.
Claims use since Sept. 23, 1924.

Ser. No. 249,111. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BRIDGEPORT CHAIN COMPANY, Bridgeport, Conn. Filed May 17, 1927.

Miller

Particular description of goods.—Upholstery Springs and Spring Fillers.
Claims use since March, 1894.

Ser. No. 249,114. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GABILLA, INCORPORATED, New York, N. Y. Filed May 17, 1927.

XANTHO

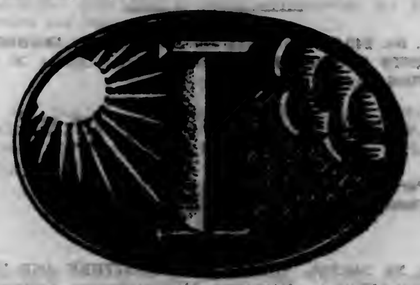
Particular description of goods.—Perfumes, Lotions, Toilet Waters and Creams, Toilet Powders and Rouges, and Dentifrices in Paste, Powder, and Liquid Form.
Claims use since Dec. 8, 1911.

Ser. No. 249,115. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GABILLA, INCORPORATED, New York, N. Y. Filed May 17, 1927.

MUSARDISES

Particular description of goods.—Perfumes, Toilet Waters and Toilet Creams, Toilet Powders and Rouges, and Dentifrices in Pastes, Powder, and Liquid Form.
Claims use since July 24, 1912.

Ser. No. 249,116. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed May 17, 1927.



Particular description of goods.—Dyestuffs.
Claims use since Apr. 18, 1927.

Ser. No. 249,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL KOELTER, doing business as De Coerber Pharmaceutical Laboratories, Los Angeles, Calif. Filed May 17, 1927.

HEMO-RID

Particular description of goods.—Suppositories for the Treatment of Disorders of the Anus and Rectum.
Claims use since Jan. 1, 1926.

Ser. No. 249,130. (CLASS 2. RECEPTACLES.) DAVID M. LEA & COMPANY, INC., Richmond, Va. Filed May 17, 1927.

Leak-proof Leakraft

The letters "L" and "K" are lined for red. No exclusive right is made to the words "Leak-Proof" and "Kraft" except in connection with the mark as shown. No common-law right in these words is waived by this disclaimer.
Particular description of goods.—Packing Boxes.
Claims use since Apr. 20, 1927.

Ser. No. 249,131. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. LESLIE MORRIS COMPANY, Los Angeles, Calif. Filed May 17, 1927.

MOROLOY

Particular description of goods.—Bearings.
Claims use since October, 1925.

Ser. No. 249,135. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANNIE E. MCLEAN, Sarasota, Fla. Filed May 17, 1927.

Nereid

Particular description of goods.—Leather Made of Fish Skins.
Claims use since Apr. 22, 1927.

Ser. No. 249,136. (CLASS 39. CLOTHING.) MOLTER-REINHARD CO., Chicago, Ill. Filed May 17, 1927.

IDLEART

Particular description of goods.—Infants' and Children's Coats, Jackets, Hats, Caps, Bonnets, Baby Buntings, Bibs, Gertrudes, and Rompers; Women's Aprons, Dresses, Chemises, Step-Ins, Corset Covers, Gowns, Slips, Pyjamas, Negligees, and Hats.
Claims use since December, 1926.

Ser. No. 249,154. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CELLO, INC., New York, N. Y. Filed May 18, 1927.

CELL-O-LIGHT

Particular description of goods.—Electric Lamps.
Claims use since Jan. 1, 1927.

Ser. No. 249,164. (CLASS 2. RECEPTACLES.) ENTERPRISE TINWARE CO. INC., New York, N. Y. Filed May 18, 1927.

Sani-dor

Particular description of goods.—Sanitary Refuse Cans or Receptacles.
Claims use since May 6, 1927.

Ser. No. 249,175. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HOSPITAL SPECIALTY CO., Cleveland, Ohio. Filed May 18, 1927.

BOBIT

Particular description of goods.—Sanitary Neckbands Made in the Form of Paper Bands Used by Barbers, Hairdressers, and the Like.
Claims use since May 1, 1926.

Ser. No. 249,180. (CLASS 39. CLOTHING.) G. R. KINNEY CO., INC., New York, N. Y. Filed May 18, 1927.

Kinney's ARCH CORRECTOR

We hereby disclaim the right to the exclusive use of the descriptive words "Arch Corrector" except in the particular arrangement and association in which they appear with the rest of the trade mark as shown in the drawing.
Particular description of goods.—Leather Boots and Shoes.
Claims use since May 3, 1927.

Ser. No. 249,189. (CLASS 39. CLOTHING.) J. K. ORR SHOE COMPANY, Atlanta, Ga. Filed May 18, 1927.

"Value-Built"

Particular description of goods.—Leather, Rubber, and Fabric Shoes.
Claims use since Mar. 1, 1927.

Ser. No. 249,194. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN J. SAMMON, doing business as J. J. Sammon, Boston, Mass. Filed May 18, 1927.

SAMPINE

Particular description of goods.—Hand-Cleaner Preparation.
Claims use since Apr. 28, 1927.

Ser. No. 249,203. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN P. SULLIVAN, Omaha, Nebr. Filed May 18, 1927.

TOMMY'S MIX

Particular description of goods.—Candy.
Claims use since Mar. 1, 1927.

Ser. No. 249,219. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THEO. H. GARY CO., New York, N. Y. Filed May 19, 1927.

UNICUM

Particular description of goods.—Hair Nets (Made From Hair).
Claims use since Dec. 1, 1905.

Ser. No. 249,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GETBETTER INC., Cohoes, N. Y. Filed May 19, 1927.

GETBETTER

Particular description of goods.—Yeast Tablets.
Claims use since May 10, 1927.

Ser. No. 249,223. (CLASS 32. FURNITURE AND UPHOLSTERY.) HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis. Filed May 19, 1927.

HAMILTON-ECONOMY

Particular description of goods.—Drafting Room Furniture—Namely, Blue-Print Cabinets, Pigeonhole Cabinets, Drafting-Room Cabinets, Combination Tables and Filing Cabinets, Drawing Tables, Artists' Auxiliary Tables, Adjustable Tables, Tracing Tables, Wooden Horses, Sectional Counters, Card-File Units, Vertical Planfile Units, Vertical V-Planfiles, Stools, Drawing Protectors and Compressors.
Claims use since Apr. 27, 1927.

Ser. No. 249,231. (CLASS 15. OILS AND GREASES.) THE MICHIGAMME OIL COMPANY, Ann Arbor, Mich. Filed May 19, 1927.

WOLVERINE

Particular description of goods.—Gasoline, Kerosene, Lubricating Oil, and Lubricating Grease.
Claims use since Aug. 25, 1923.

Ser. No. 249,237. (CLASS 15. OILS AND GREASES.) PUBLIC SERVICE FILLING STATIONS, INC., New York, N. Y. Filed May 19, 1927.

SECURITY

Particular description of goods.—Gasoline and Motor Oils.
Claims use since May 5, 1927.

Ser. No. 249,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP J. SHERMAN, doing business under the name of The Sherbro Laboratories, Chattanooga, Tenn. Filed May 19, 1927.

PANCRIP

Particular description of goods.—Preparation for Indigestion and Stomach Trouble.
Claims use since Sept. 2, 1926.

Ser. No. 249,248. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed May 19, 1927.

WATKO

Particular description of goods.—Face Powder, Brown Skin Face Powder, Complexion Powder, Deodorant Powder, Talcum Powder, Tooth Powder, Fly Powder, Cold Cream, Face Cream, Vanishing Cream, Cosmetic Lotion, Rouge, Perfume, Toilet Water, Scalp Tonic, Shampoo Jelly, Cocoanut Oil Shampoo, Mouth Wash and Liquid Antiseptic, Tooth Paste, Nail Polish, Aspirin, Urinary Stimulant Pills (Kidney and Bladder Pills), Cascara-Senna Tablets, Cathartic Liver Pills, Baking Powder, Digestive Tablets, Corn Salve, Diuretic Tablets, Headache Tablets, Herb Laxative Tablets, Little Liver Pills, Rheumatic and Gout Pills, Salves Suitable as a Dressing in Reducing Pains by External Application, Toothache Wax, Worm Tablets, Household Disinfectants, Fly Oils, a Cleanser and Water Softener.
Claims use since Jan. 19, 1927.

Ser. No. 249,253. (CLASS 12. CONSTRUCTION MATERIALS.) THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS, LIMITED, London, England. Filed May 20, 1927.

ASSOCIATED PORTLAND CEMENT MANUFACTURERS LONDON PORTLAND CEMENT BRITANNIA BRAND

No claim is made to the exclusive use of the words "Portland Cement," "Brand," and "London" apart from the mark shown in the drawing.
Particular description of goods.—Portland Cement.
Claims use since 1880.

Ser. No. 249,264. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THOMAS C. CORBITT, Washington, D. C. Filed May 20, 1927.

CORBITT'S SPECIAL

No claim is made to the word "Special" apart from the other features of the mark.
Particular description of goods.—Nonalcoholic, Maltless Imitation Fruit-Flavored Sirups for Soft Drinks and Soda Water.
Claims use since Apr. 2, 1926.

Ser. No. 249,265. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP CO., South Norwalk, Conn. Filed May 20, 1927.

CROSS COUNTRY

Particular description of goods.—Hats for Men and Women.
Claims use since about 1920.

Ser. No. 249,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIDNEY KRAMER, doing business as Kratex Co., Syracuse, N. Y. Filed May 20, 1927.

KRATEX

Particular description of goods.—Liniment for External Use to be Used for Rheumatism, Neuralgia, Lumbago, and Burning Feet.
Claims use since July 1, 1926.

Ser. No. 249,283. (CLASS 39. CLOTHING.) MODEL BRASSIERE CO. INC., New York, N. Y. Filed May 20, 1927.

FIVE FEATURE BELT

No claim is made to the word "Belt" apart from the mark shown.

Particular description of goods.—A Ladies' Undergarment Containing an Inside Belt and Combining Features of a Brassière with Those of a Corset.

Claims use since May 12, 1927.

Ser. No. 249,289. (CLASS 39. CLOTHING.) PERLMUTTER & BLUMENFIELD, New York, N. Y. Filed May 20, 1927.

Codette

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since Mar. 15th, 1927.

Ser. No. 249,300. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAFETY CABLE COMPANY, New York, N. Y. Filed May 20, 1927.

R
KABLE
R

Particular description of goods.—Electrical Conducting Cables.

Claims use since Apr. 27, 1927.

Ser. No. 249,310. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WAPAKONETA MACHINE CO., Wapakoneta, Ohio. Filed May 20, 1927.

BIG CHIEF

Particular description of goods.—High-Speed-Steel Machine Knives.

Claims use since Apr. 20, 1927.

Ser. No. 249,315. (CLASS 39. CLOTHING.) FLASTER & BLIER, New York, N. Y. Filed May 20, 1927.

REMIAM

Particular description of goods.—Ladies' Coats, Suits, Dresses, Jackets, and Skirts.

Claims use since Jan. 1, 1927.

Ser. No. 249,324. (CLASS 39. CLOTHING.) COLUMBIA GARMENT CO., INC., New York, N. Y. Filed May 21, 1927.

Columoor
HAND TAILORED

No claim is made to the exclusive use of the words "Hand Tailored" apart from the mark shown on the drawing.

Particular description of goods.—Coats for Women and Misses.

Claims use since Apr. 15, 1927.

Ser. No. 249,348. (CLASS 17. TOBACCO PRODUCTS.) HAROLD GOLDRING, Chicago, Ill. Filed May 21, 1927.

BUY-RITE
5¢
CUBAN SMOKERS

No claim is made to the words "Cuban Smokers" and "5¢."

Particular description of goods.—Cigars.

Claims use since Nov. 5, 1925.

Ser. No. 249,351. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HEARST NEWS SERVICE, INC., New York, N. Y. Filed May 21, 1927.

M-G-M NEWS

The words "News—Produced by Hearst News Service, Inc." and "Released by Metro-Goldwyn-Mayer" are hereby disclaimed apart from the mark shown.

Particular description of goods.—Motion-Picture Films.

Claims use since May 15, 1927.

Ser. No. 249,354. (CLASS 27. HOROLOGICAL INSTRUMENTS.) KATZ & OGUSH, INC., New York, N. Y. Filed May 21, 1927.

KAULDON

Particular description of goods.—Watches, Watchcases, and Watch Movements.

Claims use since May 12, 1927.

Ser. No. 249,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER L. MAVRELIS, doing business as The Mavreline Company, Waterloo, Iowa. Filed May 21, 1927.

MAVRELINE

Particular description of goods.—Medicinal Preparations for Treating Lumbago and Pains in the Back and Diseases of the Kidney and Bladder, and for Treating Irritations and Diseases of the Tonsils.

Claims use since June 25, 1926, to medicinal preparations for treating lumbago and pains in the back and diseases of kidney and bladder; and to medicinal preparations for treating the tonsils since Aug. 16, 1926.

Ser. No. 249,367. (CLASS 39. CLOTHING.) THE NAVYTONE COMPANY, Philadelphia, Pa. Filed May 21, 1927.

Double Double

Particular description of goods.—Men's Suits.

Claims use since Jan. 1, 1927.

Ser. No. 249,388. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. M. TURELL FABRICS CORPORATION, New York, N. Y. Filed May 21, 1927.

CREPE CARESSA

No claim is made to the exclusive use of the word "Crepe" apart from the mark shown in the drawing.

Particular description of goods.—Silk Fabrics.

Claims use since May 13, 1927.

Ser. No. 249,389. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. M. TURELL FABRICS CORPORATION, New York, N. Y. Filed May 21, 1927.

LOVE-CALL

Particular description of goods.—Silk Fabrics.

Claims use since May 13, 1927.

Ser. No. 249,395. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ETHEL B. WACHTELLER, Philadelphia, Pa. Filed May 21, 1927.

GASCO

Particular description of goods.—Paper Washers, Rubber Washers, Asbestos Washers, and Felt Washers.

Claims use since 1911.

Ser. No. 249,403. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BALTIMORE AND OHIO RAILROAD COMPANY, Baltimore, Md. Filed May 23, 1927.

ALL TRAINS VIA WASHINGTON
BALTIMORE & OHIO R.R.

Applicant disclaims any right to the exclusive use of the following words in said mark and drawing. "All Trains Via Washington With Stop Over Privilege;" no claim being made by applicant in respect to said words apart from their association in drawing submitted.

Particular description of goods.—Booklets, Circulars, Pamphlets, and Calendars.

Claims use since Aug. 1, 1897.

Ser. No. 249,414. (CLASS 31. FILTERS AND REFRIGERATORS.) THE GRAND RAPIDS CABINET COMPANY, Grand Rapids, Mich. Filed May 23, 1927.

TRAY-PACK

Particular description of goods.—Ice-Cream Refrigerator Cabinets.
Claims use since on or about Jan. 1, 1925.

Ser. No. 249,418. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HARRIS COMPANY, INC., New York, N. Y. Filed May 23, 1927.

Super Superior

Applicant disclaims the word "Superior" when used apart from the mark shown.
Particular description of goods.—Cotton Piece Goods.
Claims use since May 1, 1927.

Ser. No. 249,426. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) S. T. JESSOP CO., INC., Chicago, Ill. Filed May 23, 1927.

JESCO

Particular description of goods.—Exhaust-Operated Automobile Whistles.
Claims use since Apr. 15, 1926.

Ser. No. 249,433. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE-CRUSH COMPANY, Chicago, Ill. Filed May 23, 1927.

COCOA-CRUSH

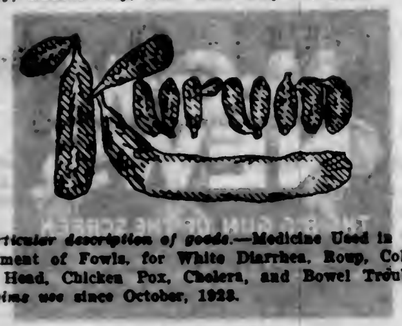
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups, Compounds, Flavors, and Concentrates for Making the Same.
Claims use since Apr. 7, 1927.

Ser. No. 249,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REMEDY PRODUCTS, INC., New York, N. Y. Filed May 23, 1927.



The lines shown in the drawing indicate shading and not any particular color scheme.
Particular description of goods.—Laxatives.
Claims use since May 3, 1927.

Ser. No. 249,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. D. RUSSELL, doing business as I. D. Russell Company, Kansas City, Mo. Filed May 23, 1927.



Particular description of goods.—Medicine Used in the Treatment of Fowls, for White Diarrhea, Roup, Colds, Sore Head, Chicken Pox, Cholera, and Bowel Trouble.
Claims use since October, 1923.

Ser. No. 249,451. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WADSWORTH HOWLAND & CO. INCORPORATED, Boston, Mass. Filed May 23, 1927.

WAHCOLAC

Particular description of goods.—Liquid and Paste Paints and Enamels.
Claims use since Mar. 15, 1926.

Ser. No. 249,452. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WADSWORTH HOWLAND & CO. INCORPORATED, Boston, Mass. Filed May 23, 1927.

SAVALITE

Particular description of goods.—Liquid and Paste Paints and Enamels.
Claims use since May 21, 1927.

Ser. No. 249,458. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed May 24, 1927.

EL MORO

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 249,475. (CLASS 2. RECEPTACLES.) GUTH, STERN & CO., INC., New York, N. Y. Filed May 24, 1927.

STAR

Particular description of goods.—Vacuum Bottles.
Claims use since Mar. 7, 1927.

Ser. No. 249,480. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY Z. KROSER, doing business as Bell-O-Sal-M'f'g. Co., Philadelphia, Pa. Filed May 24, 1927.

BELL-O-SAL

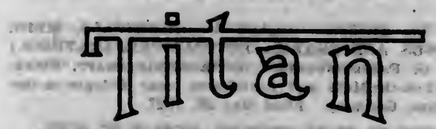
Particular description of goods.—Compound for the Treatment of Rheumatism, Lumbago, Gout, Sciatica, Neuritis, Painful Muscles, Joints, and Backache.
Claims use since Mar. 12, 1927.

Ser. No. 249,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O'MALLEY-ABELING COMPANY, San Francisco, Calif. Filed May 24, 1927.

SUN QUEEN

Particular description of goods.—Dried Fruits, Canned Fruits, Canned Vegetables, and Canned Fish.
Claims use since Mar. 17, 1927.

Ser. No. 249,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALVIN M. PRAIRIE, doing business as The Titan Baking Powder Co., Plattsburg, N. Y. Filed May 24, 1927.



Particular description of goods.—Baking Powder.
Claims use since Feb. 1, 1927.

Ser. No. 249,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed May 25, 1927.

FEBCO

Particular description of goods—Canned Fruits, Canned Fish, and Canned Vegetables.
Claims use on canned fruits since September, 1921; on canned fish and canned vegetables since Apr. 1, 1927.

Ser. No. 249,517. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed May 25, 1927.



Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since about Feb. 1, 1927.

Ser. No. 249,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAYBL HARCOURT, Newark, Del. Filed May 25, 1927.

Everybody's Fonda-Fudge

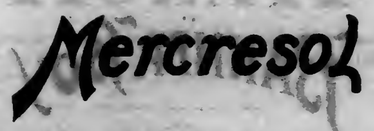
No claim is made to the word "Fudge" apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since May 5, 1927.

Ser. No. 249,588. (CLASS 12. CONSTRUCTION MATERIALS.) EMMETT V. POWERS, Springfield, Ill. Filed May 26, 1927.



All wording appearing on the drawing with the exception of the designed word "Rainstruck" are descriptive only and are not claimed as part of actual trade-mark.
Particular description of goods.—Brick.
Claims use since about Mar. 1, 1927.

Ser. No. 249,541. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RENARD, INC., Kalamazoo, Mich. Filed May 25, 1927.



Particular description of goods.—Soap.
Claims use since May 5, 1927.

Ser. No. 249,553. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed May 25, 1927.

LITTLE ORPHAN ANNIE

The trade-mark consists of the words "Little Orphan Annie."
Particular description of goods.—Series of Cartoons.
Claims use since Nov. 2, 1924.

Ser. No. 249,555. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed May 25, 1927.

Naugatex

Particular description of goods.—Men's Vests, Men's Coat Vests, Men's Coats, Men's Sport Blouses, Women's Coats, Women's Sport Coats, and Women's Sport Blouses.
Claims use since Mar. 17, 1927.

Ser. No. 249,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BADGER GRAINS AND FEED CO., Milwaukee, Wis. Filed May 26, 1927.

"Milking Time Brand"



No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Stock Feed—Namely, Brewers' Dried Grains.
Claims use since Apr. 19, 1927.

Ser. No. 249,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BANNER WHOLESALE GROCERY CO., Chicago, Ill. Filed May 26, 1927.

BANNER BOY

Particular description of goods.—Canned Vegetables—Namely, Peas, Corn, Spinach, String Beans, Wax Beans, Tomatoes, Kidney Beans; Canned Fish—Namely, Salmon, Sardines, and Tunny Fish; Canned Fruit—Namely, Pears, Peaches, Cherries, Pineapple; Canned Berries—Namely, Raspberries, Strawberries, and Blackberries.
Claims use since Aug. 1, 1926.

Ser. No. 249,572. (CLASS 39. CLOTHING.) COHN-HIMMEL COMPANY, Buffalo, N. Y. Filed May 26, 1927.

Quad Hall

Particular description of goods.—Men's and Youths' Suits, Coats, Pants, Knickers, and Overcoats.
Claims use since June, 1926.

Ser. No. 249,574. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HASSELTINE M. DECKING, Brooklyn, N. Y. Filed May 26, 1927.

CALS-COON BECKY

Particular description of goods.—Toy Animals.
Claims use since May 9, 1927.

Ser. No. 249,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 26, 1927.

Avertin

Particular description of goods.—Narcotics for Rectal Administration.
Claims use since about March, 1927.

Ser. No. 249,583. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed May 26, 1927.

FLYER

Particular description of goods.—Spring Motors.
Claims use since Jan. 1, 1921.

Ser. No. 249,584. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed May 26, 1927.

JUNIOR

Particular description of goods.—Spring Motors.
Claims use since June 9, 1926.

Ser. No. 249,586. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. HEERMANN, INC., New York, N. Y. Filed May 26, 1927.

Ledo

Particular description of goods.—Face Cloths, Textile Bath Mats, Bedspreads of Cotton and Terry, and Chenille and Table Linens, Towels, Sheets, Pillowcases, and Bedspreads of Linen.
Claims use since Apr. 5, 1927.

Ser. No. 249,601. (CLASS 37. PAPER AND STATIONERY.) ALMON E. RICHARDSON, Melrose Highlands, Mass. Filed May 26, 1927.

Particular description of goods.—Combination Order Slip and Bottle Closure.
Claims use since Mar. 1, 1927.

Ser. No. 249,602. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PURITAN CHEMICAL COMPANY, Atlanta, Ga. Filed May 26, 1927.

PURIPINE

Particular description of goods.—Liquid Cleanser for Scrubbing and General Cleaning.
Claims use since June 1, 1926.

Ser. No. 249,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURITAN CHEMICAL COMPANY, Atlanta, Ga. Filed May 26, 1927.

CANNED PLUMBER

Particular description of goods.—A Chemical Preparation for Clearing and Cleaning Stopped-Up Drain and Sewer Pipes.
Claims use since June 1, 1926.

Ser. No. 249,610. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID SIMON, doing business as The Jay-Tee Mfg. Co., Chicago, Ill. Filed May 26, 1927.

JAY-TEE

Particular description of goods.—Cotton, Silk, and Wool Curtains and Cotton, Silk, and Wool Draperies.
Claims use since on or about Nov. 1, 1925.

Ser. No. 249,611. (CLASS 39. CLOTHING.) SOBEL & MILLER, Chicago, Ill. Filed May 26, 1927.



Particular description of goods.—House Dresses, Aprons, and Nightgowns.
Claims use since on or about May 1, 1927.

Ser. No. 249,616. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES C. THOMPSON, doing business as James C. Thompson & Co., Wytheville, Va. Filed May 26, 1927.

James C. Thompson

The trade-mark is a facsimile of signature of applicant.
Particular description of goods.—Preparation Used for the Treatment of Falling Hair and Dandruff and to Allay Irritation of the Scalp; a Preparation for Use as a Hair Straightener and a Hair Tonic and Shampoo.
Claims use since Sept. 1, 1924.

Ser. No. 249,623. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDWARD C. WALKER, doing business as Kozak, Batavia, N. Y. Filed May 26, 1927.

KOZAK

Particular description of goods.—Chemically-Treated Cloths for Cleaning Lacquered and Enameled Finishes.
Claims use since Dec. 1, 1926.

Ser. No. 249,626. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN COAL & COKE CO., Milwaukee, Wis. Filed May 26, 1927.

EMPRESS

Particular description of goods.—Coal.
Claims use since May 1, 1923.

Ser. No. 249,646. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUGUSTUS B. DE VILLE, Cleveland, Ohio. Filed May 27, 1927.

FOOT FOUNDATION

Particular description of goods.—Arch Supports.
Claims use since about May 1, 1926.

Ser. No. 249,647. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUGUSTUS B. DE VILLE, Cleveland, Ohio. Filed May 27, 1927.



Particular description of goods.—Arch Supports.
Claims use since about May 1, 1926.

Ser. No. 249,662. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROBERT P. KING, Ellsworth, Me. Filed May 27, 1927.

BOOSTER

Particular description of goods.—Fuel Economizer for Heating Plants.
Claims use since Feb. 1, 1927.

Ser. No. 249,674. (CLASS 39. CLOTHING.) NORTHMONT HOSIERY CORPORATION, Reading, Pa. Filed May 27, 1927.



Particular description of goods.—Silk Stockings for Men and Women.
Claims use since May 2, 1927.

Ser. No. 249,682. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) STRAND HAND BAG CO., INC., New York, N. Y. Filed May 27, 1927.

Rio Rita

Particular description of goods.—Ladies' Hand Bags.
Claims use since May 20, 1927.

Ser. No. 249,683. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE W. S. TYLER COMPANY, Cleveland, Ohio. Filed May 27, 1927.

DUR-LOY

Particular description of goods.—Wire Fabric for Screening Purposes.
Claims use since May 16, 1927.

Ser. No. 249,686. (CLASS 12. CONSTRUCTION MATERIALS.) W. G. WHEELER, Rockford, Ill. Filed May 27, 1927.



No claim is made to the word "Brand" apart from the mark shown.
Particular description of goods.—Shingles of Wood.
Claims use since Jan. 1, 1925.

Ser. No. 249,691. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa. Filed May 28, 1927.

ALCLAD

Particular description of goods.—Duplex Aluminum and Aluminum-Base Alloys.
Claims use since Apr. 11, 1927.

Ser. No. 249,692. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE BALYEAT MANUFACTURING COMPANY, Mansfield, Ohio. Filed May 28, 1927.



No claim is made to the words "The World's Most Comfortable Mattress" apart from the mark as shown on the drawing.
Particular description of goods.—Mattresses, Box Springs, and Bed Pillows.
Claims use since Jan. 21, 1927.

Ser. No. 249,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL WEST LABORATORIES, Chicago, Ill. Filed May 28, 1927.

JUST IT OINTMENT

Exclusive right to the word "Ointment" is disclaimed except in the relation shown.
Particular description of goods.—Ointment for Burns, Cuts, Sprains, Boils, Head and Chest Colds, and Sore Throat.
Claims use since Feb. 10, 1927.

Ser. No. 249,722. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GRISWOLDVILLE MFG. COMPANY, New York, N. Y. Filed May 28, 1927.



GAUZE

No claim is made to the words "Sanitary" or "Sealed" or "Gauze" excepting in the form and setting shown in the drawing.
Particular description of goods.—Certain Textile Fabric for Use in Medical, Surgical, and Similar Bandages, Slings, and the Like—Viz, Gauze and Cheesecloth.
Claims use since about Nov. 15, 1926.

Ser. No. 249,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ICELAND MEDICINE COMPANY, Indianapolis, Ind. Filed May 28, 1927.

Viuna

Particular description of goods.—General Tonic.
Claims use since Oct. 1, 1922.

Ser. No. 249,743. (CLASS 39. CLOTHING.) THE MOUND CITY WOOD HEEL & MFG. CO., St. Louis, Mo. Filed May 28, 1927.



Particular description of goods.—Shoe Heels.
Claims use since Apr. 28, 1927.

Ser. No. 249,753. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ALEX. SABIN & SONS, New York, N. Y. Filed May 28, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since May 27, 1927.

Ser. No. 249,757. (CLASS 38. PRINTS AND PUBLICATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 28, 1927.

THE "STANDARD" DEALER

Particular description of goods.—Monthly Periodical.
Claims use since Apr. 20, 1927.

Ser. No. 249,773. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ASHTON & CO. (ESTD. 1787) LIMITED, Manchester, England. Filed May 31, 1927.



Particular description of goods.—Cotton Piece Goods.
Claims use since 1886.

Ser. No. 249,797. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) RALPH C. KOCHENDARFER, doing business as Ry-Hy Company, Washington, D. C. Filed May 31, 1927.

RY-HY

Particular description of goods.—Nonalcoholic, Malt-less Beverages Sold as Soft Drinks; Extracts, Concentrates, and Sirups for Making Same.
Claims use since Dec. 14, 1925.

Ser. No. 249,798. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NICHOLAS KREMER, doing business as Kremer's Malt Extract Company, Chicago, Ill. Filed May 31, 1927.

OLD NICK'S

Particular description of goods.—Malt Extracts.
Claims use since Aug. 15, 1925.

Ser. No. 249,826. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILDER & COMPANY, Chicago, Ill. Filed May 31, 1927.

TAKKI

Particular description of goods.—Liquid Dressing for Leather.
Claims use since Apr. 20, 1927.

Ser. No. 249,827. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed May 31, 1927.

COLLEGIATE

Particular description of goods.—Passenger-Carrying Automobiles.
Claims use since on or about May 19, 1927.

Ser. No. 249,828. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WILLYS-OVERLAND COMPANY, Toledo, Ohio. Filed May 31, 1927.

Foursome

Particular description of goods.—Passenger-Carrying Automobiles.
Claims use since May 23, 1927.

Ser. No. 249,829. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ZEPHYR WASHED AIR COMPANY, Minneapolis, Minn. Filed May 31, 1927.

ZEPHYR

Particular description of goods.—Humidifiers, Air-Moistening, Air-Washing, Air-Purifying, Air-Cooling, and Air-Conditioning Apparatus.
Claims use since on or about June 22, 1926.

Ser. No. 249,832. (CLASS 39. CLOTHING.) THEODORE F. BAULIG, Egg Harbor City, N. J. Filed June 1, 1927.

SLEEPY TOWN
"Cut Out For Sleep"

Particular description of goods.—Men's and Women's Pyjamas and Men's and Boys' Union Suits, Undershirts, and Drawers of Textile Fabrics.
Claims use since on or about Oct. 1, 1922.

Ser. No. 249,842. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DOG AND CAT DRUG STORES, INC., Baltimore, Md. Filed June 1, 1927.

PETS AND PEOPLE

Particular description of goods.—Periodical.
Claims use since Jan. 31, 1927.

Ser. No. 249,849. (CLASS 39. CLOTHING.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 1, 1927.

Sea Shell

Particular description of goods.—Bathing Caps.
Claims use since about Dec. 17, 1926.

Ser. No. 249,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEO. H. LEE CO., Omaha, Nebr. Filed June 1, 1927.

LEE'S VAPO-SPRAY

No registration rights are claimed in the word "Spray" except in association with the other features of the mark.
Particular description of goods.—Medicine for the Relief of Coughs, Colds, Influenza, Bronchitis, and Similar Complaints in Poultry and Livestock.
Claims use since 1925.

Ser. No. 249,859. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OAKITE PRODUCTS, INC., New York, N. Y. Filed June 1, 1927.

"Makes Life Easy"

Particular description of goods.—General Cleansing and Washing Compound for Personal Use, for Use in the Kitchen and Household Generally, and for Use in the Laundry, Garage, Dairy, and Industrial Plants of All Kinds.
Claims use since 1909.

Ser. No. 249,860. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUEEN LILO HAIR TONIC CO., New York, N. Y. Filed June 1, 1927.



Particular description of goods.—Hair Tonic and Hair-dressing.
Claims use since Apr. 28, 1927.

Ser. No. 249,867. (CLASS 15. OILS AND GREASES.) THE RICHFIELD OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 1, 1927.

PENNZLUBE

Particular description of goods.—Lubricating Oils.
Claims use since Apr. 25, 1927.

Ser. No. 249,868. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed June 1, 1927.

ALLIGATOR

Particular description of goods.—Wrenches.
Claims use since Jan. 17, 1878.

Ser. No. 249,871. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed June 1, 1927.

KUT-REX

Particular description of goods.—Petroleum and Products of Petroleum, with or without Admixture of Other Materials, for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust-Preventing, Surface-Preserving, and Tempering.
Claims use since May 19, 1927.

Ser. No. 249,872. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARGARETE STEIFF, INC., New York, N. Y. Filed June 1, 1927.

TEDDY-CLOWN

Particular description of goods.—Stuffed Toy Animals.
Claims use since Jan. 25, 1927.

Ser. No. 249,880. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALFRED FIELD & CO., INC., New York, N. Y. Filed June 2, 1927.

FLYFAR

Particular description of goods.—Golf Balls.
Claims use since May 7, 1927.

Ser. No. 249,892. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONSOLIDATED IRON-STEEL MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 2, 1927. Under 10-year proviso.

DUPLEX

Particular description of goods.—Joist Hangers, Wall Hangers, Post Caps and Bases.
Claims use since January, 1894.

Ser. No. 249,894. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIEL WATCH CASE CO., INC., New York, N. Y. Filed June 2, 1927.

WHITEVER

Particular description of goods.—Watches and Parts Thereof.
Claims use since about May 20, 1927.

Ser. No. 249,908. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed June 2, 1927.



No claim is made to the exclusive use of the words "Safety Matches Made in Sweden" apart from the mark shown in the drawing.

Particular description of goods.—Matches.

Claims use since May 3, 1906.

Ser. No. 249,911. (CLASS 38. PRINTS AND PUBLICATIONS.) KNOW ST. LOUIS PUBLISHING CO., St. Louis, Mo. Filed June 2, 1927.

THE SPIRIT OF ST. LOUIS

Particular description of goods.—A Weekly Publication and Periodical.

Claims use since Dec. 7, 1924.

Ser. No. 249,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LYDIA DARRAH CANDY SHOPS, INC., Minneapolis, Minn. Filed June 2, 1927.



The portrait on the drawing is that of the historical character Lydia Darrah.

Particular description of goods.—Candies.

Claims use since on or about May 12, 1927.

Ser. No. 249,932. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WILLIAM PHILIP SOLOMON, London, England. Filed June 2, 1927.

PLUTO

Particular description of goods.—Tobacco Pipes.

Claims use since Apr. 6, 1912.

Ser. No. 249,941. (CLASS 31. FILTERS AND REFRIGERATORS.) BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed June 3, 1927.

OLD Kentucky Home

Particular description of goods.—Ice-Cream Freezers.

Claims use since April, 1923.

Ser. No. 249,945. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BRUHNKE BROS., Chicago, Ill. Filed June 3, 1927.

SILVER PLUME

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Syrups and Extracts for Making the Same, Including Carbonated Beverages.

Claims use since July 1, 1912.

Ser. No. 249,963. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) IRVING H. FISHELOV, doing business as H. Fishelov & Co., Chicago, Ill. Filed June 3, 1927.

ROYAL FLUSH

Particular description of goods.—Novelty Toys—Namely, Miniature Toilet Sets, Including Toilet Bowls, Seats, and Covers.

Claims use since Apr. 15, 1927.

Ser. No. 249,968. (CLASS 39. CLOTHING.) J. I. GUMPORT & SONS, INC., New York, N. Y. Filed June 3, 1927.



Particular description of goods.—Cravats, Four-in-Hand Ties, Bow Ties, Mufflers, and Reefers.

Claims use since May 1, 1927.

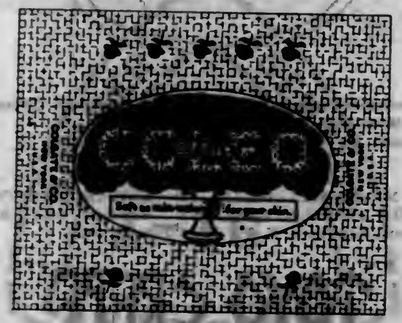
Ser. No. 249,973. (CLASS 15. OILS AND GREASES.) LION OIL COMPANY, Chicago, Ill. Filed June 3, 1927.

EXPRESS

Particular description of goods.—Petroleum, Kerosene, Gasoline, Naphtha, Lubricating Oils, Lubricating Greases, Road Oil, Crude Oil, Fuel Oil, Paraffins, Flux Oil, and Cutting Oil.

Claims use since June 1, 1918.

Ser. No. 250,011. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 4, 1927.



The oblique lining of drawing denotes green, the vertical lining denotes red, and the crosshatching denotes gold; these being the colors usually used. Applicant makes no claim herein to the exclusive right to any of the words displayed upon the said mark other than "Coleo," "Colgate's," and "Colgate & Co." apart from the mark shown.

Particular description of goods.—Soap.

Claims use since June, 1926.

Ser. No. 250,012. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed June 4, 1927.

SPRAYSO

Particular description of goods.—Soap Flakes.

Claims use since May 23, 1927.

Ser. No. 250,015. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. DOUGHERTY, New York, N. Y. Filed June 4, 1927.

EMPIRE

Particular description of goods.—Playing Cards.

Claims use since about 1898.

Ser. No. 250,016. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. DOUGHERTY, New York, N. Y. Filed June 4, 1927.

Marguerite

Particular description of goods.—Playing Cards.

Claims use since about 1910.

Ser. No. 250,033. (CLASS 38. PRINTS AND PUBLICATIONS.) MOLLIE DAVIS NICHOLSON, Chevy Chase, Md. Filed June 4, 1927.

THE WOMAN VOTER

Particular description of goods.—Monthly Publication.

Claims use since May, 1926.

Ser. No. 250,037. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RAILWAY EQUIPMENT AND PUBLICATION COMPANY, New York, N. Y. Filed June 4, 1927.

RAILWAY EQUIPMENT QUARTERLY

Particular description of goods.—A Periodical.

Claims use since February, 1921.

Ser. No. 250,038. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RAILWAY EQUIPMENT AND PUBLICATION COMPANY, New York, N. Y. Filed June 4, 1927.

RAILWAY LINE CLEARANCES
AND CAR DIMENSIONS

Particular description of goods.—Periodical.

Claims use since May, 1917.

Ser. No. 250,051. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VALENTINE & COMPANY, New York, N. Y. Filed June 4, 1927.

ADONITE

Particular description of goods.—Primers, Surfacers, Primer-Surfacers, and Varnishes.

Claims use since May 4, 1927.

Ser. No. 250,060. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EWALD BECKER, Elizabeth, N. J. Filed June 6, 1927.

SANTCO

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same, and Also Including Spring Waters, Distilled and Carbonated Waters, and Still Waters.
Claims use since May 1, 1926.

Ser. No. 250,083. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KOHLER DIE & SPECIALTY COMPANY, De Kalb, Ill. Filed June 6, 1927.

SPEED KING

Particular description of goods.—Roller Skates.
Claims use since Jan. 17, 1922.

Ser. No. 250,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, INC., Johnson City, Tenn. Filed June 6, 1927.

RED BAND

The band part of the trade mark is red and the lining appearing on the drawing denotes the color red.
Particular description of goods.—Corn Meal and Feed.
Claims use since Aug. 20, 1925.

Ser. No. 250,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAFETY FUMIGANT COMPANY, Boston, Mass. Filed June 6, 1927.

SAFTI-KLEN

Particular description of goods.—Liquid Disinfectant, Cleanser, Deodorant, and Bleach.
Claims use since about May 8, 1926.

Ser. No. 250,103. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 6, 1927.

SUPERLA

Particular description of goods.—Mineral Wax.
Claims use since Apr. 14, 1925.

Ser. No. 250,105. (CLASS 32. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TYPOGRAPHIC MACHINES CO., Dayton, Ohio. Filed June 6, 1927.

SETOTYPE

Particular description of goods.—Automatic Typesetting Machines.
Claims use since on or about Aug. 16, 1926.

Ser. No. 250,112. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENBOSH SILK MFG. CORP., New York, N. Y. Filed June 7, 1927.

"TOYO CREPE"

No registration rights are claimed in the word "Crepe" except in association with the other features of the mark.
Particular description of goods.—Silk Piece Goods.
Claims use since May 25, 1927.

Ser. No. 250,120. (CLASS 39. CLOTHING.) FASAN SCHUH GESELLSCHAFT M. B. H., Berlin, Germany. Filed June 7, 1927.

FASAN

Particular description of goods.—Shoes and Boots of Leather.
Claims use since 1911.

Ser. No. 250,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERSHEY CHOCOLATE COMPANY, Hershey, Pa. Filed June 7, 1927.

Velvetier

Particular description of goods.—Flavoring for Ice Cream and Other Foods.
Claims use since about May 23, 1927.

Ser. No. 250,135. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed June 7, 1927.

SILVER MOON

Particular description of goods.—Cotton Piece Goods.
Claims use since May 3, 1922.

Ser. No. 250,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed June 7, 1927.

RUBBER SERVICE A-16 LABORATORIES

Particular description of goods.—Compound Used as a Vulcanization Accelerator in the Curing of Rubber Articles.
Claims use since Mar. 28, 1927.

Ser. No. 250,151. (CLASS 27. HOROLOGICAL INSTRUMENTS.) LOUIS ADLER, doing business as Sleda Watch Company, New York, N. Y. Filed June 8, 1927.

SLEDA

Particular description of goods.—Movements and Cases for Watches.
Claims use since April, 1926.

Ser. No. 250,158. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BEECH MINERAL WATER CO. INC., New York, N. Y. Filed June 8, 1927.

SILVER QUEEN

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since May 17, 1927.

Ser. No. 250,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL, INC., New York, N. Y. Filed June 8, 1927.

No. 5

Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since Jan. 1, 1921.

Ser. No. 250,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL, INC., New York, N. Y. Filed June 8, 1927.

No. 22

Particular description of goods.—Perfume, Toilet Water, and Face Powder.
Claims use since January, 1922.

Ser. No. 250,168. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOOTE & JENKS, Jackson, Mich. Filed June 8, 1927.

ISOLATE

Particular description of goods.—Extracts for Food-Flavoring Purposes for the Following Flavors: Nutmeg, Coffee, Almond, Grapefruit, Distilled Limes, Lemon, Limes, Orange, Lemon and Limes, Peppermint.
Claims use since June 1, 1922.

Ser. No. 250,169. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 8, 1927.

Gorda

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 10, 1927.

Ser. No. 250,170. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 8, 1927.

Ivoria

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 10, 1927.

Ser. No. 250,177. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) AUGUST KOEGEL, Thomaston, Conn. Filed June 8, 1927.



Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Mar. 10, 1927.

Ser. No. 250,210. (CLASS 17. TOBACCO PRODUCTS.) G. A. STROBECK, Red Lion, Pa. Filed June 8, 1927.

EGRET

Particular description of goods.—Cigars.
Claims use since Jan. 1, 1925.

Ser. No. 250,219. CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES L. BANKS, St. Louis, Mo. Filed June 9, 1927.

SHUR STROK

Particular description of goods.—Files and Shear Grinders.
Claims use since about Mar. 1, 1927.

Ser. No. 250,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL R. CANFIELD, doing business as Canfield Chemical Co., Chicago, Ill. Filed June 9, 1927.

KOTEXOL

Particular description of goods.—Douche Powder.
Claims use since Apr. 15, 1927.

Ser. No. 250,231. (CLASS 38. PRINTS AND PUBLICATIONS.) DAILY REVIEW CORPORATION, Rockville Center, N. Y. Filed June 9, 1927.

Nassau [redacted] Review

Particular description of goods.—Newspapers.
Claims use since Jan. 15, 1926.

Ser. No. 250,238. (CLASS 38. PRINTS AND PUBLICATIONS.) GROSS-BRENNAN, INC., New York, N. Y. Filed June 9, 1927.

SALESTRUCTOR

Particular description of goods.—Publication Published from Time to Time.
Claims use since Feb. 11, 1927.

Ser. No. 250,245. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ORIZA L. LEGRAND, INC., Wilmington, Del., and New York, N. Y. Filed June 9, 1927.

BREATH OF SPRING

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Face Creams, Brilliantine, Eau de Cologne, Lotion for the Skin and Hair, Bath Salts, Dentifrices, Rouges, and Lip Sticks.
Claims use since Nov. 1, 1926.

Ser. No. 250,248. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed June 9, 1927.

SPIRIT
of the
AIR

Particular description of goods.—Piece Goods of Cotton, Wool, Silk, and Rayon Fibers and Mixtures of the Same, and Linen Piece Goods.
Claims use since June 8, 1927.

Ser. No. 250,251. (CLASS 15. OILS AND GREASES.) JAS. J. MATTHEWS CO., Paterson, N. J. Filed June 9, 1927.

PARENE

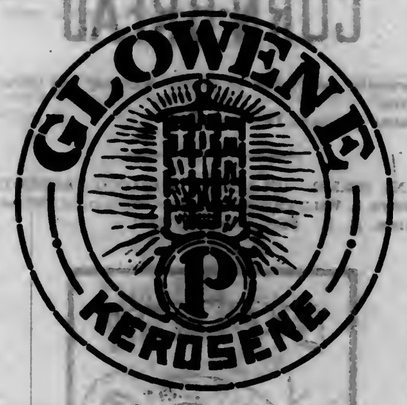
Particular description of goods.—Lubricating Oils and Greases.
Claims use since March, 1926.

Ser. No. 250,255. (CLASS 15. OILS AND GREASES.) MICH-I-PENN OIL & GREASE COMPANY, Detroit, Mich. Filed June 9, 1927.

PENN MICH-I-PENN MASTER MOTOR OIL

No registration rights are claimed in the words "Motor Oil" except in association with the other features of the mark.
Particular description of goods.—Motor Oils and Greases.
Claims use since Feb. 3, 1926.

Ser. No. 250,262. (CLASS 15. OILS AND GREASES.) PEERLESS OIL & REFINING COMPANY, Chanute, Kans. Filed June 9, 1927.



The word "Kerosene" is disclaimed.
Particular description of goods.—Kerosene.
Claims use since Feb. 10, 1927.

Ser. No. 250,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROBERTS-PRINK COMPANY, Norwich, Conn. Filed June 9, 1927.

AMIE JANE

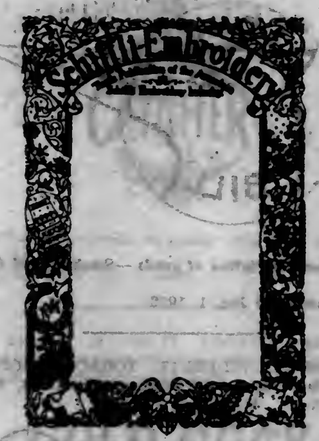
Particular description of goods.—Candies.
Claims use since about Oct. 10, 1925.

Ser. No. 250,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Claflin Flour Mills, Claflin, Kans. Filed June 10, 1927.

CAMPFIRE

Particular description of goods.—Wheat Flour.
Claims use since Apr. 1, 1927.

Ser. No. 250,302. (CLASS 38. PRINTS AND PUBLICATIONS.) EMBROIDERY MANUFACTURERS ASSOCIATION, INC., Union City, N. J. Filed June 10, 1927.



Particular description of goods.—Monthly Publication.
Claims use since Nov. 1, 1926.

Ser. No. 250,308. (CLASS 45. BEVERAGES, NONALCOHOLIC.) F. A. KAUFFMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed June 10, 1927.

TANTALIZER



Particular description of goods.—Sweet Apple Cider.
Claims use since Mar. 10, 1927.

Ser. No. 250,368. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1804.

Ser. No. 250,370. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1922.

Ser. No. 250,372. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,373. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,374. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,376. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



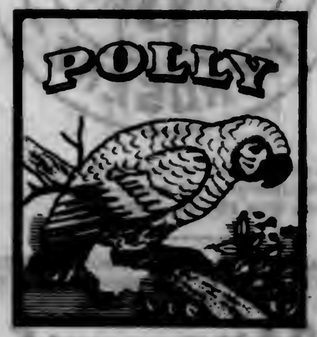
Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,377. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.

CORN-BREAD

Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1907.

Ser. No. 250,380. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Snuff.
Claims use since Jan. 1, 1907.

Ser. No. 250,382. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.

KITE

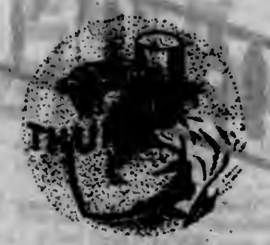
Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,383. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,385. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1910.

Ser No. 250,387. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,388. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1902.

Ser. No. 250,389. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.

GOLD ROCK

Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1912.

Ser. No. 250,390. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.

ELVA

Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Jan. 1, 1894.

Ser. No. 250,393. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.



Particular description of goods.—Snuff.
Claims use since Jan. 1, 1907.

Ser. No. 250,394. (CLASS 17. TOBACCO PRODUCTS.) BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927.

GRANNY



Particular description of goods.—Snuff.
Claims use since Jan. 1, 1907.

Ser. No. 250,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COVINA FOOD PRODUCTS CO., Covina, Calif. Filed June 11, 1927.

PHOR-US

Particular description of goods.—A Specially-Prepared Rice Food Which Can be Dissolved and Used as a Beverage.
Claims use since Jan. 10, 1927.

Ser. No. 250,409. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GENERAL INDUSTRIES COMPANY, Elyria, Ohio. Filed June 11, 1927.

FLYER

Particular description of goods.—Fishline Reels.
Claims use since Sept. 2, 1926.

Ser. No. 250,411. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD COMPANY, New York, N. Y. Filed June 11, 1927.

WAVATYN

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about Feb. 1, 1927.

Ser. No. 250,414. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNARD A. LIVIERATO, New York, N. Y. Filed June 11, 1927.

LB

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1886.

Ser. No. 250,418. (CLASS 15. OILS AND GREASES.) PAN AMERICAN PETROLEUM COMPANY, Los Angeles, Calif. Filed June 11, 1927.

PAPCO

Particular description of goods.—Lubricating Oil.
Claims use since Mar. 23, 1927.

Ser. No. 250,419. (CLASS 15. OILS AND GREASES.) PAN AMERICAN PETROLEUM COMPANY, Los Angeles, Calif. Filed June 11, 1927.

WESPAN

Particular description of goods.—Lubricating Oil.
Claims use since Jan. 3, 1927.

Ser. No. 250,429. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAKER DRUG COMPANY, Portland, Oreg. Filed June 13, 1927.

U-ZONE

Particular description of goods.—Lung, Throat, and Bronchial Medicine.
Claims use since May 31, 1927.

Ser. No. 250,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JORDAN STEVENS CO., Minneapolis, Minn. Filed June 13, 1927.

Princess Pat

Particular description of goods.—Coffee.
Claims use since Feb. 3, 1927.

Ser. No. 250,461. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ABE KANNER, doing business as Globe Bottling Co., Los Angeles, Calif. Filed June 13, 1927.

IRISH ROSE

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Apr. 1, 1927.

Ser. No. 250,464. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KRONTHAL, CHERTOW, & CORIN, New York, N. Y. Filed June 13, 1927.

TRIO

Particular description of goods.—Silk and Silk-Mixture Piece Goods.
Claims use since Feb. 18, 1927.

Ser. No. 250,467. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK A. MCGOWAN, Canton, Ohio. Filed June 13, 1927.

REFRIG-O-CLEAN

Particular description of goods.—Antiseptic, Deodorizing, Cleansing, and Scouring Compounds.
Claims use since May 9, 1927.

Ser. No. 250,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCLAUGHLIN-GORMLEY-KING COMPANY, Minneapolis, Minn. Filed June 13, 1927.

EVER GREEN

Particular description of goods.—Plant Spray.
Claims use since about May 26, 1927.

Ser. No. 250,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TASTY BAKING COMPANY, Philadelphia, Pa. Filed June 13, 1927.

KRIMPETS

Particular description of goods.—Cakes.
Claims use since June 6, 1927.

Ser. No. 250,487. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BLUE SEAL EXTRACT CO., Cambridge, Mass. Filed June 14, 1927.

AD-A-NAC

Particular description of goods.—Ginger Ale, Extracts and Sirups Used in Making the Same.
Claims use since Feb. 4, 1927.

Ser. No. 250,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 14, 1927.

Du

Particular description of goods.—Piece Goods of Silk, Rayon, and Mixtures of These Materials.
Claims use since Apr. 14, 1927.

Ser. No. 250,492. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 14, 1927.

Du Granda

Particular description of goods.—Piece Goods of Silk, Rayon, and Mixtures of These Materials.
Claims use since May 6, 1927.

Ser. No. 250,494. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 14, 1927.

Du Rita

Particular description of goods.—Piece Goods of Silk, Rayon, and Mixtures of These Materials.
Claims use since Apr. 14, 1927.

Ser. No. 250,495. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed June 14, 1927.

Noyar

Particular description of goods.—Piece Goods of Silk, Rayon, and Mixtures of These Materials.
Claims use since Apr. 14, 1927.

Ser. No. 250,498. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Cara

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,499. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Durga

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,500. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Ettereen

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,501. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Gura

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Melva

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,505. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Mestra

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Moussella

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 3, 1927.

Ser. No. 250,510. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Starleen

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,511. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Tarana

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. M. HARTLEY, Vacaville, Calif. Filed June 15, 1927.

Cornucopia

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since May, 1912.

Ser. No. 250,537. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWAIIAN PINEAPPLE COMPANY, LTD., Iwilei, Territory of Hawaii, and San Francisco, Calif. Filed June 15, 1927.

JAY-DEE-DEE

Particular description of goods.—Canned Fruits—Namely, Canned Pineapple.
Claims use since May 10, 1927.

Ser. No. 250,540. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACOB HOUSE & SONS, Buffalo, N. Y. Filed June 15, 1927.

Lucky

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Flavoring Concentrates and Sirups and Extracts for Making the Same.
Claims use since Jan. 15, 1927.

Ser. No. 250,547. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KREK COMPANY, INC., St. Louis, Mo. Filed June 15, 1927.



Particular description of goods.—Toilet Water.
Claims use since Mar. 30, 1927.

Ser. No. 250,560. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MUTUAL STORES, INC., Oakland, Calif. Filed June 15, 1927.

PIEDMONT

Particular description of goods.—Canned Fruits, Canned Vegetables.
Claims use since May 18, 1927.

Ser. No. 250,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NITRATE AGENCIES COMPANY, New York, N. Y. Filed June 15, 1927.

FLUROCIDE

Particular description of goods.—An Agricultural Insecticide.
Claims use since May 17, 1927.

Ser. No. 250,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Filed June 15, 1927.

MARDI GRAS

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Jan. 28, 1926.

Ser. No. 250,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR L. REED, doing business as Ma-Deer-A Kitchens, and Ma-Deer-A Food Products Co., assignor to Maybelle Kromdyke, Chicago, Ill. Filed June 15, 1927.

MA-DEER-A

Particular description of goods.—Jelly and Marmalade—Namely, Currant Jelly, Quince Jelly, Crabapple Jelly, Strawberry Jelly, Blackberry Jelly, Plum Jelly, Mint Jelly, Raspberry Jelly, Grape Jelly, and Orange Marmalade.
Claims use since Dec. 8, 1926.

Ser. No. 250,572. (CLASS 38. PRINTS AND PUBLICATIONS.) A. W. SHAW COMPANY, Chicago, Ill. Filed June 15, 1927.

THE MAGAZINE OF BUSINESS

Particular description of goods.—Magazine Published Monthly.
Claims use since December, 1905.

Ser. No. 250,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNIFORM PRODUCTS COMPANY, Lancaster, Pa. Filed June 15, 1927.

POULTOBAC

Particular description of goods.—Insecticides.
Claims use since June 9, 1927.

Ser. No. 250,581. (CLASS 10. FERTILIZERS.) UNIFORM PRODUCTS COMPANY, Lancaster, Pa. Filed June 15, 1927.

POULTOBAC

Particular description of goods.—Fertilizers.
Claims use since June 9, 1927.

Ser. No. 250,582. (CLASS 10. FERTILIZERS.) UNIFORM PRODUCTS COMPANY, Lancaster, Pa. Filed June 15, 1927.

INSECTILIZER

Particular description of goods.—Fertilizers.
Claims use since Oct. 28, 1924.

Ser. No. 250,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNIFORM PRODUCTS COMPANY, Lancaster, Pa. Filed June 15, 1927.

INSECTILIZER

Particular description of goods.—Insecticides.
Claims use since Oct. 28, 1924.

Ser. No. 250,590. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ACUSHNET PROCESS COMPANY, Acushnet, Mass. Filed June 16, 1927.

O-Katy

Particular description of goods.—Golf Tees.
Claims use since March, 1927.

Ser. No. 250,598. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA CYANIDE COMPANY, Los Angeles, Calif. Filed June 16, 1927.

BUROFUME

Particular description of goods.—Fumigating Compounds.
Claims use since May 27, 1927.

Ser. No. 250,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA CYANIDE COMPANY, Los Angeles, Calif. Filed June 16, 1927.

FLOROFUME

Particular description of goods.—Fumigating Compounds.
Claims use since May 21, 1927.

Ser. No. 250,600. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA CYANIDE COMPANY, Los Angeles, Calif. Filed June 16, 1927.

CALIFUME

Particular description of goods.—Fumigating Compounds.
Claims use since May 21, 1927.

Ser. No. 250,657. (CLASS 33. GLASSWARE.) WELLS GLASS COMPANY, Kokomo, Ind. Filed June 16, 1927.

VITRO-ONYX

Particular description of goods.—Glass Table and Counter Tops, Wainscoting, Plate and Sheet Glass, and Molded and Formed Glass Articles.
Claims use since June 1, 1927.

Ser. No. 250,674. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BILT-RITE BABY CARRIAGE CO., Brooklyn, N. Y. Filed June 17, 1927.

CHIFFO

Particular description of goods.—Baby Carriages.
Claims use since June 7, 1927.

Ser. No. 250,721. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LESTER STAMM, doing business as The Monesta Company, New York, N. Y. Filed June 17, 1927.

MONITOR

Particular description of goods.—Toothbrushes.
Claims use since Aug. 20, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 19, 1927.

230,193. PASTEURIZED MILK. J. D. ROSZELL COMPANY, Peoria, Ill.
Filed February 27, 1926. Serial No. 227,910. PUBLISHED MAY 10, 1927.

230,194. SHEET ASBESTOS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed March 4, 1926. Serial No. 228,151. PUBLISHED MAY 10, 1927.

230,195. SHEET ASBESTOS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed March 4, 1926. Serial No. 228,152. PUBLISHED MAY 10, 1927.

230,196. DOG FOOD. OLD TRUSTY DOG FOOD COMPANY, Needham Heights, Mass.
Filed February 9, 1927. Serial No. 244,093. PUBLISHED MAY 10, 1927.

230,197. TOILET WATERS, PERFUMES, FACE POWDER IN BULK, FACE POWDER IN COMPACTS, LIP STICKS IN METAL OR COMPOSITION CONTAINERS, ROUGE IN COMPACTS, LIP STICKS IN MATCH FORM, FACE CREAMS AND LOTIONS, HAIR TONICS, SKIN TONICS, HAIR REMOVER, TOOTH PASTE, MOUTH WASHES, ANTISEPTICS, NAIL POLISHES, DEODORANT, BATH SALTS. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,097. PUBLISHED MAY 3, 1927.

230,198. METAL PANS AND KETTLES FOR COOKING. CAMILLE CHARLIER and ABRAHAM ERRERA, Brussels, Belgium.
Filed February 10, 1927. Serial No. 244,184. PUBLISHED MAY 10, 1927.

230,199. COCOA. PENNSYLVANIA CHOCOLATE COMPANY, Pittsburgh, Pa.
Filed February 18, 1922. Serial No. 159,528. PUBLISHED MAY 3, 1927.

230,200. METAL ANGLES, METAL ARROWS, BELLS FOR TOYS, DOG COLLARS, ETC. EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y.
Filed August 29, 1923. Serial No. 185,154. PUBLISHED MAY 10, 1927.

230,201. ICE-CREAM CONFECTIONS AND CONFECTIONS CONSISTING OF PASTRY SHELLS FILLED WITH CUSTARDS. RALPH H. SEIPEL, doing business as Seipel Food Products Com,...ay, Pittsburgh, Pa.
Filed May 31, 1924. Serial No. 197,908. PUBLISHED MAY 3, 1927.

230,202. EMPTY CONTAINERS ADAPTED FOR STORAGE, TRANSPORTATION, OR USE OF CARBON DIOXIDE (CO_2) IN SOLIDIFIED FORMS, MIXTURES, AND COMPOUNDS. DRYICE CORPORATION OF AMERICA, New York and Long Island City, N. Y.
Filed March 20, 1925. Serial No. 211,839. PUBLISHED MAY 10, 1927.

230,203. ALUMINUM ROD, BRASS SHEET, COPPER WIRE, NICKEL SHEET, ETC. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed April 20, 1925. Serial No. 213,001. PUBLISHED MAY 10, 1927.

230,204. SHEETINGS. ABBEVILLE COTTON MILLS, Abbeville, S. C.
Filed April 30, 1925. Serial No. 213,542. PUBLISHED MARCH 8, 1927.

230,205. CANNED FISH, CANNED FRUITS, AND CANNED VEGETABLES. THE VAN LANDINGHAM CO., Los Angeles, Calif.
Filed November 28, 1925. Serial No. 223,978. PUBLISHED JUNE 22, 1926.

230,206. AIR-CUSHION DEVICES FOR MODERATING THE LOAD-SUPPORTING SPRING ACTION OF MOTOR VEHICLES. DETROIT AEROFLEX STABILIZER COMPANY, Detroit, Mich.
Filed January 25, 1926. Serial No. 226,389. PUBLISHED MARCH 22, 1927.

230,207. BREAD. KOMMANDITBOLAGET SPIS- & KNÄCKEBRÖDSFABRIKEN KRONAN, BARTHEL KOCK, Sundbyberg, Sweden.
Filed February 8, 1926. Serial No. 227,022. PUBLISHED MAY 10, 1927.

230,208. TIRE PATCHES. WHITE MULE, INC., Carbondale, Ill.
Filed February 11, 1926. Serial No. 227,206. PUBLISHED MAY 10, 1927.

230,209. BREAD, CAKES, AND COOKIES. AENCHBACHER BROS., Covington, Ga.
Filed February 16, 1926. Serial No. 227,336. PUBLISHED MAY 10, 1927.

230,210. MELONS—VIZ, CANTALOUPES AND HONEY DEW MELONS: AND FOR FRESH VEGETABLES—VIZ, PEAS, LETTUCE, TOMATOES, AND SQUASH. J. KATEKARU, doing business as J. Katekaru Co., Brawley, Calif.
Filed February 16, 1926. Serial No. 227,357. PUBLISHED MAY 10, 1927.

230,211. BANK SUPPLIES—NAMELY, COIN BAGS OF TEXTILE MATERIAL. CONTINENTAL BANK SUPPLY COMPANY, Mexico, Mo.
Filed February 26, 1926. Serial No. 227,828. PUBLISHED MAY 10, 1927.

230,212. JOINTLESS FLOORS, WAINSCOTING PANELS, CEILINGS, AND ROOFING COVERS MADE OF SAWDUST, MAGNESITE, AND CHLORIDE OF MAGNESIUM. EUBOOLITHWERKE A.-G. IN OLTEN, Olten, Switzerland.
Filed February 26, 1926 Serial No. 227,831. PUBLISHED APRIL 26, 1927.

230,213. PRINTED BOOKS PUBLISHED FROM TIME TO TIME. THE FOUNDATION PRESS, INC., Cleveland, Ohio.
Filed March 24, 1927. Serial No. 246,275. PUBLISHED MAY 10, 1927.

230,214. OLEOMARGARINE. JABURG BROTHERS, INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,289. PUBLISHED MAY 10, 1927.

230,215. CANDY BARS. F. A. MARTOCCIO COMPANY, Minneapolis, Minn.
Filed March 24, 1927. Serial No. 246,300. PUBLISHED MAY 10, 1927.

230,216. RUBBER AND FABRIC BELTING AND RUBBER PACKING. PIONEER RUBBER MILLS, San Francisco, Calif.
Filed February 10, 1927. Serial No. 244,180. PUBLISHED MAY 10, 1927.

230,217. HIGH-TEMPERATURE CEMENT. KING REFRACTORIES COMPANY, INCORPORATED, Buffalo, N. Y.
Filed February 11, 1927. Serial No. 244,232. PUBLISHED MAY 3, 1927.

230,218. INSOLES. THE SCHOLL MFG. CO. INC., Chicago, Ill.
Filed February 11, 1927. Serial No. 244,244. PUBLISHED MAY 10, 1927.

230,219. FINELY-DIVIDED GYPSUM. THE ATLAS GYPSUM CORPORATION, New York, N. Y.
Filed February 12, 1927. Serial No. 244,271. PUBLISHED MAY 10, 1927.

230,220. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,327. PUBLISHED MAY 3, 1927.

230,221. BRICK, TILE, BLOCKS, AND CONCRETE STRUCTURAL UNITS. CONCRETE EQUIPMENT CO., Holland, Mich.
Filed February 15, 1927. Serial No. 244,392. PUBLISHED MAY 3, 1927.

230,222. GASOLINE PASSENGER AUTOMOBILES. HUDSON MOTOR CAR COMPANY, Detroit, Mich.
Filed February 16, 1927. Serial No. 244,444. PUBLISHED MAY 10, 1927.

230,223. WRAPPED UNITS OF INTERIOR WOOD MOLDINGS AND WRAPPED LONG-LENGTH LINEAL STOCK OF INTERIOR AND EXTERIOR WOOD MOLDINGS. THE LUMBERMEN'S DOOR & TRIM COMPANY, Cleveland, Ohio.
Filed February 17, 1927. Serial No. 244,506. PUBLISHED MAY 3, 1927.

230,224. FIRE EXTINGUISHERS USED TO PROJECT EXTINGUISHING FLUIDS AND PARTS THEREFOR. THE PHISTER MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed February 17, 1927. Serial No. 244,513. PUBLISHED MAY 10, 1927.

230,225. COAL. B. C. DUDLEY COAL COMPANY, Indianapolis, Ind.
Filed February 18, 1927. Serial No. 244,551. PUBLISHED MAY 10, 1927.

230,226. COMMERCIAL FERTILIZER AND NITRATE OF SODA AND POTASHES USED IN THE PRODUCTION OF COMMERCIAL FERTILIZERS. GEORGIA FERTILIZER COMPANY, Valdosta, Ga.
Filed February 18, 1927. Serial No. 244,554. PUBLISHED MAY 10, 1927.

230,227. RYE FLOUR. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed February 18, 1927. Serial No. 244,584. PUBLISHED APRIL 26, 1927.

230,228. LEATHER. BARNET LEATHER CO., INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,599. PUBLISHED MAY 3, 1927.

230,229. REFRIGERATORS AND REFRIGERATOR PARTS. ELECTRIC REFRIGERATION CORPORATION, Detroit, Mich.
Filed February 21, 1927. Serial No. 244,673. PUBLISHED MAY 3, 1927.

230,230. ROUGH AND FINISHED HARD AND MALLEABLE IRON AND ELECTRIC AND CAST STEEL CASTINGS. THE GOULD COUPLER CO., New York, N. Y.
Filed February 21, 1927. Serial No. 244,690. PUBLISHED MAY 3, 1927.

230,231. JELLY POWDER. MCLAREN'S LIMITED, Hamilton, Ontario, Canada.
Filed February 21, 1927. Serial No. 244,705. PUBLISHED MAY 3, 1927.

230,232. SEMIMONTHLY MAGAZINES. WESTERN CONSTRUCTION NEWS, INC., San Francisco, Calif.
Filed February 23, 1927. Serial No. 244,806. PUBLISHED MAY 10, 1927.

230,233. LADIES' HAND BAGS. SCHNURRER & MURRAY, New York, N. Y.
Filed March 17, 1927. Serial No. 245,927. PUBLISHED MAY 10, 1927.

230,234. DEVICE ADAPTED TO BE INSERTED IN THE AUDITORY CANAL OF THE EAR TO OCCLUDE EXTRANEOUS NOISES AND INDUCE SLEEP. CLARENCE H. LOW, doing business as Flents Products Company, New York, N. Y.
Filed March 19, 1927. Serial No. 246,035. PUBLISHED MAY 3, 1927.

230,235. SEWING MACHINES AND PARTS THEREOF. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed March 21, 1927. Serial No. 246,135. PUBLISHED MAY 10, 1927.

230,236. CANDY. CHRISTABEL CUMMINGS, doing business as The China Lady, Philadelphia, Pa.
Filed March 22, 1927. Serial No. 246,153. PUBLISHED MAY 10, 1927.

230,237. WHEAT FLOUR. RUSSELL-MILLER MILLING Co., Minneapolis, Minn.
Filed March 22, 1927. Serial No. 246,179. PUBLISHED MAY 10, 1927.

230,238. WHEAT FLOUR. RUSSELL-MILLER MILLING Co., Minneapolis, Minn.
Filed March 22, 1927. Serial No. 246,180. PUBLISHED MAY 10, 1927.

230,239. TELESCOPES. WASHINGTON JEWELRY COMPANY, Boston, Mass.
Filed March 22, 1927. Serial No. 246,187. PUBLISHED MAY 10, 1927.

230,240. GENERAL LAXATIVE. COLE CHEMICAL COMPANY, St. Louis, Mo.
Filed March 1, 1927. Serial No. 245,050. PUBLISHED MAY 10, 1927.

230,241. SERIES OF CARTOONS OR COMIC STRIPS IN ITS DAILY NEWSPAPER—TO WIT, THE NEW YORK EVENING GRAPHIC. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed March 1, 1927. Serial No. 245,065. PUBLISHED MAY 10, 1927.

230,242. COAL. HOOPER-MANKIN FUEL COMPANY, Huntington, W. Va., Battle Creek, Mich., and Richmond, Va.
Filed March 2, 1927. Serial No. 245,094. PUBLISHED MAY 10, 1927.

230,243. PLASTIC FIREBRICK. KEYSTONE REFRACTORIES COMPANY, New York, N. Y.
Filed March 2, 1927. Serial No. 245,097. PUBLISHED MAY 3, 1927.

230,244. LEATHER. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass.
Filed March 2, 1927. Serial No. 245,098. PUBLISHED MAY 3, 1927.

230,245. CHOCOLATE LAXATIVE. THE EOTHEN MFG. Co., Cleveland, Ohio.
Filed March 7, 1927. Serial No. 245,345. PUBLISHED MAY 10, 1927.

230,246. FACE CREAMS. WOODWORTH, INC., New York and Rochester, N. Y.
Filed March 8, 1927. Serial No. 245,417. PUBLISHED MAY 10, 1927.

230,247. TEXTILE FABRICS—NAMELY, PIECE GOODS OF SILK AND RAYON. DUPLAN SILK CORPORATION, New York, N. Y.
Filed March 9, 1927. Serial No. 245,428. PUBLISHED MAY 10, 1927.

230,248. COTTON GOODS IN THE PIECE. INMAN MILLS, Inman, S. C.
Filed March 11, 1927. Serial No. 245,558. PUBLISHED MAY 10, 1927.

230,249. INDIGESTION POWDER. LINCOLN & BOSWORTH, Providence, R. I.
Filed March 14, 1927. Serial No. 245,733. PUBLISHED MAY 10, 1927.

230,250. VICHY. THE QUEEN CITY BOTTLING CO., Cincinnati, Ohio.
Filed March 14, 1927. Serial No. 245,750. PUBLISHED MAY 10, 1927.

230,251. BAKING DISHES, BOILERS, CAKE PANS, COFFEEPOTS, ETC. G. SOMMERS & COMPANY, St. Paul, Minn.
Filed March 14, 1927. Serial No. 245,759. PUBLISHED MAY 10, 1927.

230,252. TOILET, LAUNDRY, AND HOUSEHOLD SOAP; SOAP POWDER, SOAP CHIPS, SOAP FLAKES, SOAP PASTE, SCOURING CLEANSER, SHAVING CREAM, SHAVING POWDER, AND SHAVING SOAP IN THE FORM OF STICKS, CONES, AND TABLETS. COLGATE & COMPANY, Jersey City, N. J.
Filed March 15, 1927. Serial No. 245,780. PUBLISHED MAY 10, 1927.

230,253. CLEANERS AND POLISHERS FOR ALUMINUM, COPPER, BRASS, NICKEL, AND SILVER, AND CLEANERS FOR ENAMEL, TILE, AND THE HANDS. ELIZABETH J. COLE, Lowell, Mass.
Filed March 23, 1927. Serial No. 246,196. PUBLISHED MAY 10, 1927.

230,254. SOAPS AND WASHING POWDER. POLAND SOAP WORKS, Anniston, Ala.
Filed March 23, 1927. Serial No. 246,200. PUBLISHED MAY 10, 1927.

230,255. LINIMENT. MARY SIMPSON HOOKER, doing business as Hopkins Chemical Co., Chicago, Ill.
Filed March 25, 1927. Serial No. 246,347. PUBLISHED MAY 10, 1927.

230,256. METAL POLISHES. GEORGE EDWIN BENNETT, doing business as E. W. Bennett & Co., San Francisco, Calif.
Filed March 26, 1927. Serial No. 246,384. PUBLISHED MAY 10, 1927.

230,257. RUBEFACIENT LOTION AND COUNTER-IRRITANT. JOHN A. KELLY, Great Falls, Mont.
Filed March 26, 1927. Serial No. 246,415. PUBLISHED MAY 10, 1927.

230,258. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed March 29, 1927. Serial No. 246,562. PUBLISHED MAY 10, 1927.

230,259. SHOTGUN SHELLS. SEARS, ROEBUCK AND CO., doing business as Clinton Cartridge Company, Chicago, Ill.
Filed April 2, 1927. Serial No. 246,852. PUBLISHED MAY 10, 1927.

230,260. PUBLICATION ISSUED MONTHLY (CONSTITUTING A SELECTION OF PAPERS OF PERMANENT VALUE ON QUESTIONS OF THE DAY COLLECTED FROM THE BEST CATHOLIC PERIODICALS). THE AMERICAN PRESS, New York, N. Y.
Filed April 2, 1927. Serial No. 246,804. PUBLISHED MAY 10, 1927.

230,261. WEEKLY PUBLICATION. THE MARINE JOURNAL CO., New York, N. Y.
Filed April 2, 1927. Serial No. 246,840. PUBLISHED MAY 10, 1927.

230,262. SERIES OF NEWSPAPER ARTICLES (APPEARING IN THE TROY RECORD). THE TROY RECORD COMPANY, Troy, N. Y.
Filed April 2, 1927. Serial No. 246,859. PUBLISHED MAY 10, 1927.

230,263. DAILY NEWSPAPER. THE TROY RECORD COMPANY, Troy, N. Y.
Filed April 2, 1927. Serial No. 246,860. PUBLISHED MAY 10, 1927.

230,264. MONTHLY MAGAZINE. AMERICAN TRADE PUBLISHING CO., New York, N. Y.
Filed April 4, 1927. Serial No. 246,880. PUBLISHED MAY 10, 1927.

230,265. PERIODICAL. THE PRAIRIE FARMER PUB. CO., Chicago, Ill.
Filed April 4, 1927. Serial No. 246,930. PUBLISHED MAY 10, 1927.

230,266. COCOA. ANDRÉ CHEIRLAT CO., Baltimore, Md.
Filed March 25, 1927. Serial No. 246,825. PUBLISHED MAY 10, 1927.

230,267. FABRIC DOOR AND SEAT COVERS FOR AUTOMOBILES. THE CINCINNATI AUTO SPECIALTY CO., Cincinnati, Ohio.
Filed March 25, 1927. Serial No. 246,882. PUBLISHED MAY 10, 1927.

230,268. ZINC RODS. MATTHIESSEN & HEGELER ZINC COMPANY, La Salle, Ill.
Filed March 25, 1927. Serial No. 246,353. PUBLISHED MAY 10, 1927.

230,269. BIMONTHLY PUBLICATION. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill.
Filed March 25, 1927. Serial No. 246,375. PUBLISHED MAY 10, 1927.

230,270. PREPARED FOOD FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS. CHAPPEL BROS., INC., Rockford, Ill.
Filed March 26, 1927. Serial No. 246,389. PUBLISHED MAY 10, 1927.

230,271. MONTHLY MAGAZINE. CONSTRUCTIVE PUBLISHING CORPORATION, New York, N. Y.
Filed March 26, 1927. Serial No. 246,394. PUBLISHED MAY 10, 1927.

230,272. CHEWING GUM. THE GOUDEY GUM CO., Boston, Mass.
Filed March 26, 1927. Serial No. 246,401. PUBLISHED MAY 10, 1927.

230,273. MONTHLY PERIODICAL MAGAZINE. DUGAN BROTHERS, INC., Brooklyn, N. Y.
Filed March 28, 1927. Serial No. 246,469. PUBLISHED MAY 10, 1927.

230,274. MACHINES FOR WASHING CARS, TRUCKS, AND OTHER VEHICLES. THE ROTAWASHER CORPORATION, Cleveland, Ohio.
Filed March 28 1927. Serial No. 246,506. PUBLISHED MAY 10, 1927.

230,275. FRESH GRAPES. PORTER S. GRAY, Dougherty, Calif.
Filed March 30, 1927. Serial No. 246,607. PUBLISHED MAY 10, 1927.

230,276. MONTHLY MAGAZINE. HOMER S. PACE, New York, N. Y.
Filed March 30, 1927. Serial No. 246,621. PUBLISHED MAY 10, 1927.

230,277. SHADE CLOTH. RASCH & GAINOR, Baltimore, Md.
Filed March 30, 1927. Serial No. 246,630. PUBLISHED MAY 10, 1927.

230,278. INSECT AND VERMIN DESTROYER. R. J. BAUGHMAN, Sr., Greensburg, Pa.
Filed March 31, 1927. Serial No. 246,659. PUBLISHED MAY 10, 1927.

230,279. MEDICINE FOR THE RELIEF OF PAIN. SAL-PHENINE LABORATORIES INC., Dayton, Ohio.
Filed March 31, 1927. Serial No. 246,712. PUBLISHED MAY 10, 1927.

230,280. HAIRDRESSING. HARVEY B. SAUNDERS, doing business as Mex Company, Chicago, Ill.
Filed March 31, 1927. Serial No. 246,718. PUBLISHED MAY 10, 1927.

230,281. HOUSE ORGAN. STANCO DISTRIBUTORS, INC., New York, N. Y.
Filed March 31, 1927. Serial No. 246,716. PUBLISHED MAY 10, 1927.

230,282. MONTHLY MAGAZINE. TEXTILE PUBLISHING COMPANY, New York, N. Y.
Filed March 31, 1927. Serial No. 246,722. PUBLISHED MAY 10, 1927.

230,283. BREAD. WHEAT FRUIT CEREAL COMPANY, West Orange, N. J.
Filed April 1, 1927. Serial No. 246,793. PUBLISHED MAY 10, 1927.

230,284. MONTHLY MAGAZINE. JOHN THOMAS WOOD, New York, N. Y.
Filed April 1, 1927. Serial No. 246,799. PUBLISHED MAY 10, 1927.

230,285. PUBLICATION ISSUED QUARTERLY DEVOTED TO THE SCIENCES AND LETTERS. THE AMERICA PRESS, New York, N. Y.
Filed April 2, 1927. Serial No. 246,802. PUBLISHED MAY 10, 1927.

230,286. RADIATORS FOR AUTOMOTIVE VEHICLES AND PARTS THEREOF. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn.
Filed December 20, 1926. Serial No. 241,760. PUBLISHED MAY 10, 1927.

230,287. GREETING CARDS, POSTERS, PICTURES, ADVERTISING CARDS, CIRCULARS, FOLDERS, BOOKS, PRINTED LABELS, AND WALL CALENDARS. THE PAUL L. BARUCH PUBLISHING CO. INCORPORATED, New York, N. Y.
Filed December 22, 1926. Serial No. 241,802. PUBLISHED MAY 10, 1927.

230,288. SANITARY NAPKINS MADE PARTLY OF PAPER AND GAUZE. ASSOCIATED DRUGGISTS OF NEW JERSEY, Newark, N. J.
Filed December 23, 1926. Serial No. 241,856. PUBLISHED MAY 10, 1927.

230,289. STEPLADDERS AND STEPLADDER STOOLS. THE J. R. CLARK COMPANY, Minneapolis, Minn.
Filed December 24, 1926. Serial No. 241,927. PUBLISHED MAY 3, 1927.

230,290. COFFEE. THE PEARL COFFEE COMPANY, Akron, Ohio.
Filed January 3, 1927. Serial No. 242,330. PUBLISHED MAY 10, 1927.

230,291. SHEET ASBESTOS. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed March 4, 1926. Serial No. 228,153. PUBLISHED MAY 10, 1927.

230,292. DRY-CLEANING FLUID FOR FABRICS AND OTHER MATERIALS. BASS AND GOLDBERG, doing business as American Press Board Co., New York, N. Y.
Filed March 5, 1926. Serial No. 228,160. PUBLISHED MAY 10, 1927.

230,293. BICYCLES. THE COLSON COMPANY, Elyria, Ohio.
Filed March 8, 1926. Serial No. 228,301. PUBLISHED MAY 10, 1927.

230,294. DISTRIBUTING WAGONS, DUMPING WAGONS, AND ROAD OIL DISTRIBUTORS. AMERICAN ROAD MACHINERY COMPANY, Kennett Square, Pa.
Filed March 10, 1926. Serial No. 228,399. PUBLISHED MAY 10, 1927.

230,295. POWDER FOR CLEANING ARTIFICIAL TEETH. RENO SPECIALTY COMPANY, Reno, Nev.
Filed March 10, 1926. Serial No. 228,441. PUBLISHED MAY 10, 1927.

230,296. DEXTROSE PARTICULARLY ADAPTED FOR USE AS A FOOD. THE DEXTROSE CO. INC., New York, N. Y.
Filed March 18, 1926. Serial No. 228,808. PUBLISHED MAY 3, 1927.

230,297. VACUUM CLEANERS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed March 20, 1926. Serial No. 228,910. PUBLISHED MAY 10, 1927.

230,298. DOORS OF WOOD CONSTRUCTION. COMPOUND & PYRONO DOOR COMPANY, St. Joseph, Mich.
Filed January 31, 1927. Serial No. 243,591. PUBLISHED MAY 3, 1927.

230,299. FRESH CITROUS FRUITS. MANATEE COUNTY CITRUS SUB-EXCHANGE, doing business as Citrus Growers Association, Bradenton, Fla.
Filed January 31, 1927. Serial No. 243,614. PUBLISHED MAY 10, 1927.

230,300. CHROMIUM PLATE. VACUUM CAN COMPANY, Chicago, Ill., assignor to General Chromium Corporation, Detroit, Mich., a Corporation of Delaware.
Filed January 31, 1927. Serial No. 243,631. PUBLISHED MAY 3, 1927.

230,301. HOUSE ORGAN (MONTHLY PUBLICATION). BETHLEHEM FABRICATORS, INC., Bethlehem, Pa.
Filed February 1, 1927. Serial No. 243,640. PUBLISHED MAY 10, 1927.

230,302. CANNED CRAB MEAT, BERRIES, WHEAT FLOUR, CANNED VEGETABLES, PICKLES, ETC. THE NICHOLSON THACKRAY COMPANY, Pawtucket, R. I.
Filed February 2, 1927. Serial No. 243,723. PUBLISHED MAY 3, 1927.

230,303. MONTHLY PUBLICATION. NORMAN RUSHTON, San Francisco, Calif.
Filed February 3, 1927. Serial No. 243,785. PUBLISHED MAY 10, 1927.

230,304. ANODES FOR USE IN CHROMIUM PLATING. METALS PROTECTION CORPORATION, Indianapolis, Ind.
Filed February 5, 1927. Serial No. 243,872. PUBLISHED APRIL 26, 1927.

230,305. BALED NEWSPAPERS. PACIFIC ORIENT CO., San Francisco, Calif.
Filed February 5, 1927. Serial No. 243,877. PUBLISHED APRIL 26, 1927.

230,306. CORK BOARD. ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa.
Filed February 26, 1927. Serial No. 244,911. PUBLISHED MAY 3, 1927.

230,307. COTTON DUCK IN THE PIECE. WILLIAM L. BARRELL CO. OF NEW YORK, INC., New York, N. Y.
Filed February 28, 1927. Serial No. 244,972. PUBLISHED MAY 10, 1927.

230,308. MOTH DESTROYER, BEDBUG DESTROYER, ROACH DESTROYER, MOSQUITO DESTROYER, ANT DESTROYER, RAT DESTROYER, FLY DESTROYER, LOUSE DESTROYER, INSECT POWDERS, MOSQUITO CHASER, MOSQUITO SMUDGE, ANT POISON, FLY REPELLENT, EGG PRESERVER, DIP DISINFECTANT, FOOT POWDER, MATERIAL FOR REMOVING SOOT FROM FLUES, A COMPOUND FOR OPENING CLOGGED PIPES, AND ANALGESIC BALM SALVE. CENOL COMPANY, Chicago, Ill.
Filed February 28, 1927. Serial No. 244,983. PUBLISHED MAY 10, 1927.

230,309. ELECTRORADIUM BELTS FOR THERAPEUTIC USE. BURTON R. CHARLES, doing business as Charles Radium Laboratories, Los Angeles, Calif.
Filed February 28, 1927. Serial No. 244,985. PUBLISHED MAY 10, 1927.

230,310. BUCKLES FOR COTTON-BALE TIES. COMPRESS BUCKLE COMPANY, Fort Worth, Tex., and Attalla, Ala.
Filed February 28, 1927. Serial No. 244,986. PUBLISHED MAY 10, 1927.

230,311. LOCKS. MASTER LOCK COMPANY, Milwaukee, Wis.
Filed September 13, 1926. Serial No. 237,181. PUBLISHED MAY 10, 1927.

230,312. TALC. PACIFIC COAST TALC COMPANY, Los Angeles, Calif.
Filed December 31, 1926. Serial No. 242,247. PUBLISHED MAY 3, 1927.

230,313. CLAY USED AS A FILLER IN THE MANUFACTURE OF PAPER, PAINTS, AND RUBBER PRODUCTS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed January 4, 1927. Serial No. 242,357. PUBLISHED APRIL 26, 1927.

230,314. PYROPHYLLITE OR TALC USED AS A FILLER IN THE MANUFACTURE OF PAPER, PAINTS, AND RUBBER PRODUCTS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed January 4, 1927. Serial No. 242,359. PUBLISHED APRIL 26, 1927.

230,315. COCOA, CHOCOLATE, CANDY, TABLE JELLIES, AND TOFFEE. ROWNTREE & COMPANY, LIMITED, York, England.
Filed January 6, 1927. Serial No. 242,441. PUBLISHED MAY 3, 1927.

230,316. LIME AND LIMESTONE FOR CONSTRUCTION PURPOSES. NEW JERSEY LIME PRODUCTS CORPORATION, New York, N. Y.
Filed January 7, 1927. Serial No. 242,490. PUBLISHED MAY 3, 1927.

230,317. PULVERIZERS FOR INDUSTRIAL USES. RILEY STOKER CORPORATION, Worcester, Mass.
Filed January 10, 1927. Serial No. 242,619. PUBLISHED MAY 10, 1927.

230,318. PLUM PUDDING COMPOSED OF VEGETABLES, FRUITS, AND SUET, SUGAR, AND FLOUR WITH SPICES. MRS. JOHN ELDRIDGE, Jr., Hepworth, Ontario, Canada.
Filed January 18, 1927. Serial No. 242,988. PUBLISHED MAY 3, 1927.

230,319. BOLTS, SCREWS, LAG SCREWS, RIVETS, NUTS, AND WASHERS. SOUTHERN CALIFORNIA IRON & STEEL COMPANY, Huntington Park, Calif.
Filed January 19, 1927. Serial No. 243,067. PUBLISHED MAY 10, 1927.

230,320. LEATHERS. SURPASS LEATHER COMPANY, Philadelphia, Pa.
Filed January 20, 1927. Serial No. 243,120. PUBLISHED APRIL 26, 1927.

230,321. ROLLED OATS, COCOA, CATCHUP, DRIED CURRANTS, DATES, MINCEMEAT, LEMON AND VANILLA EXTRACTS FOR FOOD FLAVORING, HARD-WHEAT FLOUR, PANCAKE FLOUR, EVAPORATED MILK, PREPARED MUSTARD, MACARONI, SPAGHETTI, NOODLES, OLIVES, PEANUT BUTTER, VEGETABLE RELISHES, CORN SIRUP, CORN STARCH, AND VINEGAR. HENRY BORGSMILLER & SONS, Murphysboro, Ill.
Filed January 22, 1927. Serial No. 243,192. PUBLISHED MAY 3, 1927.

230,322. CREPE-PAPER OUTFIT CONSISTING OF MATERIAL FOR MAKING CREPE-PAPER FLOWERS AND DECORATIONS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed January 22, 1927. Serial No. 243,201. PUBLISHED MAY 10, 1927.

230,323. ANCHORS USED IN BUILDING CONSTRUCTIONS. WILLIAM O. ISAACSON, Chicago, Ill.
Filed January 26, 1927. Serial No. 243,368. PUBLISHED MAY 3, 1927.

230,324. CORK MATERIAL FOR USE IN THE MANUFACTURE OF SLIP INSOLES, BOX TOES FOR SHOES, OR SIMILAR PURPOSES. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed January 27, 1927. Serial No. 243,406. PUBLISHED MAY 3, 1927.

230,325. WALL BOARD. C. F. BURGESS LABORATORIES, INC., Madison, Wis.
Filed January 28, 1927. Serial No. 243,478. PUBLISHED APRIL 26, 1927.

230,326. DRAWING PAPER, TRACING PAPER, TRACING PAPER FOR BLUE AND BLACK TRACING, STENCILS, WRITING STENCILS, HOLDERS FOR WRITING STENCILS, HANDLES FOR STENCILS, PENS FOR WRITING WITH WRITING STENCILS, FOUNTAIN PENS, PENHOLDERS, AND WRITING PADS. FILLER & FIEBIG, Berlin, Germany.
Filed January 28, 1927. Serial No. 243,485. PUBLISHED MAY 10, 1927.

230,327. TOOL STEEL. COLUMBIA TOOL STEEL COMPANY, Chicago Heights, Ill.
Filed January 31, 1927. Serial No. 243,590. PUBLISHED MAY 3, 1927.

230,328. PREPARATION FOR PREVENTING MOTHS FROM LIVING IN THE VICINITY AND KNOWN AS CEDAR BARS, A CHEMICAL FOR INCREASING THE USEFULNESS OF STORAGE BATTERIES, DRY POWDER FIRE EXTINGUISHER, AND A COMPOUND ADAPTED TO DISSOLVE ACCUMULATIONS OF GREASE AND REMOVE THEM FROM DRAINPIPES. ARVRO INDUSTRIES, Grosse Ile, Mich.
Filed February 10, 1927. Serial No. 244,127. PUBLISHED MAY 10, 1927.

230,329. KRAFT PAPER IN ROLLS AND SHEETS. COY, DISBROW & CO., INC., New York, N. Y.
Filed February 12, 1927. Serial No. 244,290. PUBLISHED MAY 10, 1927.

230,330. COUGH SIRUP, HAIR TONIC, KIDNEY AND BOWEL MEDICINES, CORN SALVE, BOWEL COMPLAINT PREPARATION, AND LIVER PREPARATION. JOHN R. KIRK, doing business as The Delaware Indian Remedies Co., Pueblo, Colo.
Filed February 17, 1927. Serial No. 244,508. PUBLISHED MAY 10, 1927.

230,331. SKINS AND LEATHER. THE DESTROOPER'S RAINCOAT CO., Brussels and Ixelles-Brussels, Belgium.
Filed September 20, 1926. Serial No. 237,445. PUBLISHED APRIL 26, 1927.

230,332. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT, FRESH DECIDUOUS FRUITS—NAMELY, POMEGRANATES, PEACHES, AND QUINCES. TULE RIVER CITRUS ASSOCIATION, Success, Calif.
Filed September 24, 1926. Serial No. 237,712. PUBLISHED JANUARY 18, 1927.

230,333. INSTRUMENT FOR DIAGNOSIS AND FOOD AND REMEDY TESTING BY ANALYSIS OF RADIANT ENERGIES. FRANCIS CUTLER ELLIS, doing business as Ellis Research Laboratories, Chicago, Ill.
Filed September 27, 1926. Serial No. 237,795. PUBLISHED MAY 3, 1927.

230,334. OPHTHALMIC LENSES AND FRAMES AND MOUNTINGS THEREFOR. JOSEPH SCADRON, New York, N. Y., assignor to U. S. Bifocal Corporation, New York, N. Y., a Corporation of New York.
Filed September 27, 1926. Serial No. 237,823. PUBLISHED MAY 10, 1927.

230,335. LADIES' HAND BAGS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed September 30, 1926. Serial No. 237,995. PUBLISHED MAY 10, 1927.

230,336. CRACKERS, CAKES, COOKIES, CANDIES, FRUIT PRESERVES, JAMS, JELLIES, FRUIT BUTTERS, JELLY POWDER, TABLE SIRUPS, OLIVES, PICKLES, AND HORSE-RADISH CREAM, CAPERS, SALAD DRESSING, VINEGAR CATCHUP, MINT SAUCE, PEPPER SAUCE, CHILI SAUCE, RED-HOT SAUCE (CONSISTING OF RIPE TOBASCO PEPPERS AND VINEGAR). SANITARY FOOD MANUFACTURING COMPANY, St. Paul, Minn.
Filed November 6, 1926. Serial No. 239,771. PUBLISHED MAY 3, 1927.

230,337. WHEAT FLOUR. THE LARABEE FLOUR MILLS COMPANY, doing business as The Monarch Milling Company, Kansas City, Mo.
Filed November 13, 1926. Serial No. 240,035. PUBLISHED MAY 10, 1927.

230,338. ASPHALT-COATED COMPOSITION OR PAPER SHINGLES FOR ROOFING, ROOFING PAPER. WEAVER-HENRY MFG. CO., Los Angeles, Calif.
Filed November 17, 1926. Serial No. 240,233. PUBLISHED APRIL 26, 1927.

230,339. MAGAZINE PUBLISHED MONTHLY. DELL PUBLISHING COMPANY, New York, N. Y.
Filed November 20, 1926. Serial No. 240,345. PUBLISHED JANUARY 11, 1927.

230,340. MEDICINAL PREPARATION IN LIQUID FORM FOR INTERNAL USE AS A MOUTH WASH IN THE TREATMENT OF TONSILLITIS, SORE THROAT, PYORRHEA, BLEEDING AND SPONGY GUMS, PAIN AFTER TOOTH EXTRACTION, AND SORENESS FOLLOWING THROAT OPERATIONS. THE SANTORIS COMPANY, St. Paul, Minn.
Filed November 22, 1926. Serial No. 240,445. PUBLISHED MAY 10, 1927.

230,341. MANUFACTURED CELLULOSIC MATERIAL IN SHEET OR LAYER FORM AND USEFUL IN GENERAL AS A NATURAL COTTON SUBSTITUTE. ERROLD B. THOMAS, Boston, Mass.
Filed November 26, 1926. Serial No. 240,630. PUBLISHED MAY 3, 1927.

230,342. JEWEL BOXES, SEWING BASKETS, PERFUME BOXES, GLOVE AND HANDKERCHIEF BOXES, MADE OF LEATHER. ARMIN DEGENER, INC., New York, N. Y.
Filed December 6, 1926. Serial No. 241,036. PUBLISHED MAY 10, 1927.

230,343. COTTON AND LINEN BED SHEETS, PILLOWCASES, BEDSPREADS, ETC. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed December 10, 1926. Serial No. 241,287. PUBLISHED MAY 10, 1927.

230,344. ANIMAL SKINS EMPLOYED IN THE MANUFACTURE OF FURS AND FUR COATS. SAMUEL M. BAMBAS, North Arlington, N. J.
Filed December 11, 1926. Serial No. 241,311. PUBLISHED MAY 3, 1927.

230,345. MARSHMALLOWS. THE RICHLITE PRODUCTS CO., Cleveland, Ohio.
Filed December 18, 1926. Serial No. 241,679. PUBLISHED MAY 10, 1927.

230,346. VALVES FOR CONTROLLING THE FLOW OF FLUIDS—NAMELY, GLOBE AND ANGLE STOP VALVES, CHECK VALVES, STOP AND CHECK VALVES, ATMOSPHERIC RELIEF VALVES, NONRETURN VALVES, PRESSURE-LIMITING VALVES, AND BLOW-OFF VALVES. THE EDWARD VALVE AND MANUFACTURING CO., East Chicago, Ind.
Filed August 23, 1926. Serial No. 236,307. PUBLISHED MAY 10, 1927.

230,347. VELVETS IN THE PIECE. MAX FRIST, INC., New York, N. Y.
Filed September 7, 1926. Serial No. 236,923. PUBLISHED MAY 10, 1927.

230,348. AUTO TOP AND LEATHER DRESSING. REGINALD G. BULLARD, doing business as Bullard Products, Monterey Park, Calif.
Filed July 10, 1926. Serial No. 234,366. PUBLISHED MARCH 29, 1927.

230,349. SPRING PNEUMATIC OR HYDRAULIC SUSPENSIONS, LEAF SPRINGS, AUTO BUFFER LEAF SPRINGS, SPRING SHEATHS, SUSPENSION STABILIZERS, SPRING BRAKES, AND PARTICULARLY ALL TYPES OF ANTIVIBRATION SHOCK ABSORBERS AND BUFFERS, BUMPERS, AND THEIR FASTENINGS. COMPAGNIE D'APPLICATIONS MÉCANIQUES, Paris, France.
Filed July 14, 1926. Serial No. 234,503. PUBLISHED MAY 10, 1927.

230,350. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. SIERRA MADRE-LAMANDA CITRUS ASSOCIATION, Lamanda Park, Calif.
Filed July 14, 1926. Serial No. 234,537. PUBLISHED SEPTEMBER 7, 1926.

230,351. EDIBLE CRACKERS. MARTIN HOKANSON, Duluth, Minn.
Filed June 28, 1926. Serial No. 233,824. PUBLISHED MARCH 22, 1927.

230,352. SAW-BLADE BLANKS, ROLLED AND HAMMERED STEEL, AND DRAWN STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden.
Filed June 30, 1926. Serial No. 233,926. PUBLISHED MAY 10, 1927.

230,353. METAL PIPES, TUBES, AND PIPE COUPLINGS. NATIONAL TUBE COMPANY, Pittsburgh, Pa.
Filed June 3, 1926. Serial No. 232,686. PUBLISHED MAY 10, 1927.

230,354. SUITCASES, FITTED CASES, AND HAND BAGS. EAGLE LEATHER GOODS COMPANY, Philadelphia, Pa.
Filed June 4, 1926. Serial No. 232,721. PUBLISHED MAY 10, 1927.

230,355. FOXES AND FURS TAKEN THEREFROM. JACKSON FOX FARMS, INCORPORATED, Morley, Mich.
Filed June 26, 1926. Serial No. 233,776. PUBLISHED MAY 3, 1927.

230,356. COAL. THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo.
Filed August 10, 1926. Serial No. 235,784. PUBLISHED MAY 3, 1927.

230,357. ALL KINDS OF FLAT GLASS, SILVERED AND UNSILVERED. WILLIAMSPORT MIRROR AND GLASS COMPANY, Williamsport, Pa.
Filed May 6, 1926. Serial No. 231,223. PUBLISHED APRIL 5, 1927.

230,358. INSECTICIDE. IRVING HALPERN, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y.
Filed April 30, 1926. Serial No. 230,917. PUBLISHED MAY 10, 1927.

230,359. PLUMBERS' AND STEAMFITTERS' SUPPLIES—NAMELY, TOILET BOWLS, BASINS, BATHTUBS, BABY BATHS, SINKS, LAVATORIES, AND FLUSH TANKS. LILY FOUNDRY COMPANY, Los Angeles, Calif.
Filed August 20, 1926. Serial No. 236,214. PUBLISHED MAY 10, 1927.

230,360. TOILET SOAP. BOURJOIS, INC., New York, N. Y.
Filed August 21, 1926. Serial No. 236,251. PUBLISHED APRIL 5, 1927.

230,361. BRICKS. FISKE & COMPANY, INC., Boston, Mass.
Filed March 5, 1927. Serial No. 245,261. PUBLISHED MAY 10, 1927.

230,362. MANICURE SETS, EACH CONSISTING OF A SET OF MANICURE IMPLEMENTS SOLD AS A UNIT. GERALD A. TIPTON, Quincy, Ill.
Filed March 4, 1927. Serial No. 245,285. PUBLISHED MAY 10, 1927.

230,363. PERFORATED SHEET METAL TO BE USED FOR INDUSTRIAL AND ORNAMENTAL PURPOSES AND OF NONPRECIOUS COMPOSITION. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y.
Filed March 2, 1927. Serial No. 245,130. PUBLISHED MAY 3, 1927.

230,364. CLINKER COOLERS FOR ROTARY CEMENT KILNS. F. L. SMIDTH & CO., New York, N. Y.
Filed March 2, 1927. Serial No. 245,110. PUBLISHED MAY 10, 1927.

230,365. DANDRUFF REMOVER AND PREVENTER. C. W. BROOS, SONS & CO., Chicago, Ill.
Filed April 29, 1926. Serial No. 230,867. PUBLISHED MAY 10, 1927.

230,366. SANITARY NAPKINS. THE VENUS CORPORATION, New York, N. Y.
Filed April 30, 1926. Serial No. 230,968. PUBLISHED JUNE 8, 1926.

230,367. BEEF, MUTTON, LAMB, VEAL, AND PORK, BOILED HAM, MEAT LOAF, SPICED HAM, BOLOGNA AND OTHER KINDS OF SAUSAGE; SMOKED MEATS, SUCH AS HAMS, BACON, AND BUTTS; LARD, TALLOW, AND CASINGS. THE FEDERAL PACKING CO., Cleveland, Ohio.
Filed July 15, 1926. Serial No. 234,571. PUBLISHED MAY 3, 1927.

230,368. DAIRY PRODUCTS—VIZ, MILK, BUTTER, ICE CREAM, AND BUTTERMILK. THE "Y & B" CORPORATION, Charlotte, N. C.
Filed July 20, 1926. Serial No. 234,809. PUBLISHED MAY 10, 1927.

230,369. MONTHLY PUBLICATIONS. ANTHONY G. YOUNG, New York, N. Y., assignor to Companion Publishing Company, Inc., of New York, N. Y.
Filed August 9, 1926. Serial No. 235,767. PUBLISHED MAY 10, 1927.

230,370. SEEDLING GROWING AND SETTING-OUT RECEPTACLES MADE OF PEAT. GROWELL POT COMPANY, INC., New York, N. Y.
Filed March 9, 1927. Serial No. 245,437. PUBLISHED MAY 10, 1927.

230,371. LEATHER. THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio.
Filed March 8, 1927. Serial No. 245,394. PUBLISHED MAY 10, 1927.

230,372. ASPHALT ROOFING. THE BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky.
Filed March 7, 1927. Serial No. 245,323. PUBLISHED MAY 10, 1927.

230,373. SAWS AND MACHINE KNIVES. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed March 5, 1927. Serial No. 245,302. PUBLISHED MAY 10, 1927.

230,374. WIND VANES. FRANK LUIPERSBEK, Boundbrook, N. J.
Filed March 5, 1927. Serial No. 245,278. PUBLISHED MAY 10, 1927.

230,375. BALL-AND-SOCKET BANISTER CONSTRUCTION JOINTS. FRANK LUIPERSBEK, Boundbrook, N. J.
Filed March 5, 1927. Serial No. 245,277. PUBLISHED MAY 10, 1927.

230,376. HYDRAULIC BRAKE APPLIANCES, SELF-COMPENSATING MASTER CYLINDERS, AND LEAKPROOF WHEEL CYLINDERS. SAFETY PRODUCTS CORPORATION, St. Louis, Mo.
Filed March 10, 1927. Serial No. 245,518. PUBLISHED MAY 10, 1927.

230,377. TABLE SIRUP. JAMES MONTGOMERY, Mauckport, Ind.
Filed March 10, 1927. Serial No. 245,507. PUBLISHED MAY 3, 1927.

230,378. CRUDE RUBBER. CONTINENTAL RUBBER COMPANY OF NEW YORK, New York, N. Y.
Filed March 10, 1927. Serial No. 245,475. PUBLISHED MAY 10, 1927.

230,379. DENTAL ALLOYS. BAKER & CO. INC., Newark, N. J.
Filed March 10, 1927. Serial No. 245,464. PUBLISHED MAY 10, 1927.

230,380. MONTHLY MAGAZINE. MCQUIDDY PRINTING COMPANY, Nashville, Tenn.
Filed March 9, 1927. Serial No. 245,446. PUBLISHED MAY 10, 1927.

230,381. MONTHLY MAGAZINE. LOUIS E. MCILVAIN, Chicago, Ill.
Filed March 9, 1927. Serial No. 245,445. PUBLISHED MAY 10, 1927.

230,382. ELECTRICALLY-DRIVEN SMALL COMPRESSORS AND INHALING APPARATUS WHICH ARE DRIVEN BY AID OF ELECTRIC SMALL COMPRESSORS. ERNST SILTEN, Berlin, Germany.
Filed March 12, 1927. Serial No. 245,663. PUBLISHED MAY 3, 1927.

230,383. AGRICULTURAL IMPLEMENTS, PARTICULARLY GRAIN DRILLS AND SEEDING MACHINES. MOLINE IMPLEMENT COMPANY, Moline, Ill.
Filed March 12, 1927. Serial No. 245,650. PUBLISHED MAY 10, 1927.

230,384. JELL POWDER. THE KROGER GROCERY AND BAKING COMPANY, Cincinnati, Ohio.
Filed March 12, 1927. Serial No. 245,646. PUBLISHED MAY 3, 1927.

230,385. RAYON FABRIC IN THE PIECE. FRED BUTTERFIELD & CO. INC., New York, N. Y.
Filed April 6, 1927. Serial No. 247,001. PUBLISHED MAY 10, 1927.

230,386. HANDKERCHIEFS. THE ACHESON HARDEN CO., New York, N. Y.
Filed April 6, 1927. Serial No. 246,994. PUBLISHED MAY 10, 1927.

230,387. LAWN SEED. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed March 12, 1927. Serial No. 245,645. PUBLISHED MAY 10, 1927.

230,388. CANDY. ALBERTA CANDY CO. INC., San Francisco, Calif.
Filed March 12, 1927. Serial No. 245,606. PUBLISHED MAY 10, 1927.

230,389. LAXATIVE MEDICINES. THE TARRANT COMPANY, New York, N. Y.
Filed March 16, 1927. Serial No. 245,871. PUBLISHED MAY 10, 1927.

230,390. MONTHLY PUBLICATION DEVOTED TO THE INTERESTS OF DENTISTRY, DENTAL HYGIENE, DENTAL SURGERY, AND SUBJECTS ASSOCIATED THEREWITH. MILLER-ROTH, INCORPORATED, Pittsburgh, Pa.
Filed March 16, 1927. Serial No. 245,854. PUBLISHED MAY 10, 1927.

230,391. BREAD. DOCTORS' ESSENTIAL FOODS CO., INC., New York, N. Y.
Filed March 16, 1927. Serial No. 245,831. PUBLISHED MAY 10, 1927.

230,392. TIRE-PUNCTURE ANTIDEFLATOR COMPOUND. THE JINX COMPANY, Alexandria, Va.
Filed March 15, 1927. Serial No. 245,790. PUBLISHED MAY 10, 1927.

230,393. CONFECTION CONSISTING OF A DELICIOUS BLEND OF PRUNES AND WALNUTS. BENJAMIN F. WEST, Salem, Oreg.
Filed March 14, 1927. Serial No. 245,768. PUBLISHED MAY 10, 1927.

230,394. WIRE KITCHEN UTENSILS—NAMELY, DISH DRAINERS. UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md.
Filed March 14, 1927. Serial No. 245,766. PUBLISHED MAY 10, 1927.

230,395. PEPPER SAUCE. B. F. TRAPPEY & SONS, Jeanerette, La.
Filed March 14, 1927. Serial No. 245,762. PUBLISHED MAY 3, 1927.

230,396. COMBER NOILS MIXTURE FOR USE FOR CLEANING PURPOSES. JESSE H. ORDWAY, doing business as Smoothtex Company, Worcester, Mass.
Filed March 14, 1927. Serial No. 245,746. PUBLISHED MAY 3, 1927.

230,397. ALUMINUM. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio.
Filed March 14, 1927. Serial No. 245,685. PUBLISHED MAY 3, 1927.

230,398. FACE BRICK, COMMON BRICK, AND FIREPROOFING TILE. THE ALLIANCE CLAY PRODUCT CO., Alliance, Ohio.
Filed March 14, 1927. Serial No. 245,684. PUBLISHED MAY 10, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

230,399. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COLUMBUS SHOW CASE CO., Columbus, Ohio. Filed Dec. 12, 1925. Serial No. 224,596.

CLEAR-VIEW

Particular description of goods.—Cabinets for Radio Apparatus.
Claims use since Sept. 1, 1925.

230,400. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927. Serial No. 245,968.

FLORENTINE

Particular description of goods.—Axminster Rugs.
Claims use since May 1, 1923.

230,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORA LEE ROBERTS, doing business as Columbia Manufacturing Company, Fort Worth, Tex. Filed Jan. 18, 1927. Serial No. 243,017.

COLUMBIA

Particular description of goods.—Chemical Composition for Treating Fowls or Poultry for Gapes, Roup, or Cholera, and White Diarrhea.
Claims use since Jan. 15, 1920.

230,402. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FLOOR SURFACING MACHINE CO., Toledo, Ohio. Filed Dec. 21, 1926. Serial No. 241,765.

AMERICAN

Particular description of goods.—Surface Treating and Finishing Machines—Namely, Machines for Producing and Maintaining a Finish on Floors of All Kinds, Including Wood, Terrazo, Marble, Linoleum, Tile, Cement, Composition, or Metal; Machines and Parts Therefor for Sanding, Cleaning, Scouring, Scrubbing, Rubbing, Shaping, Dressing, Waxing, Polishing, and Burnishing Surfaces Such as Floors of the Foregoing Character, Terrazo Base Work, Wainscoting, Walls, Stairway Treads; and Sander Planes for Removing Stencil Marks on Shipping Boxes, Barrels, and for Refinishing Desk and Table Tops.
Claims use since 1903.

230,403. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. IVINS' SON, INC., Philadelphia, Pa. Filed Aug. 23, 1926. Serial No. 236,324.

Ivins Butter Jumbles

Particular description of goods.—Cookies.
Claims use since Apr. 26, 1926.

230,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FLORIDA MILK CO., St. Petersburg, Fla. Filed June 24, 1926. Serial No. 233,679.

"SUWANNEE"

Particular description of goods.—Ice Cream.
Claims use since Nov. 1, 1921.

230,405. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927. Serial No. 245,972.

TOULON

Particular description of goods.—Axminster Rugs.
Claims use since May 6, 1924.

230,406. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 18, 1927. Serial No. 245,969.

LOUVAIN

Particular description of goods.—Axminster Rugs.
Claims use since Nov. 1, 1923.

230,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRINNELL BROTHERS, INC., Providence, R. I. Filed Apr. 2, 1927. Serial No. 246,834.

BELMONT NOUGAT

Particular description of goods.—Candy.
Claims use since Jan. 1, 1922.

230,408. (CLASS 5. ADHESIVES.) AER-SEAL MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Mar. 31, 1927. Serial No. 246,654.

Aer Seal

Particular description of goods.—Punctureproof-Tire Liquid.
Claims use since Sept. 17, 1926.

230,409. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KOKOMO RUBBER COMPANY, Kokomo, Ind. Filed May 16, 1927. Serial No. 249,069.

BRISTOL

Particular description of goods.—Rubber Tires and Inner Tubes.
Claims use since Apr. 1, 1926.

230,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRUNO KNECHT, doing business as B. Knecht & Co., Chicago, Ill. Filed May 2, 1927. Serial No. 248,302.

La ROMA

Particular description of goods.—Cheese.
Claims use since June, 1925.

230,411. (CLASS 12. CONSTRUCTION MATERIALS.) PORTLAND MANUFACTURING CO., Portland, Oreg. Filed June 2, 1927. Serial No. 249,921.

"Wood that's stronger than wood"

Particular description of goods.—Plywood, Veneered and Laminated.
Claims use since Mar. 1, 1926.

230,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SPERRY & BARNES COMPANY, Long Wharf, New Haven, Conn. Filed May 27, 1927. Serial No. 249,681.

COLUMBIA

Particular description of goods.—Pork Sausage, Frankforts, and Bologna.
Claims use since Oct. 23, 1899.

230,413. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. K. EAGLE & CO., INC., Shamokin, Pa., and New York, N. Y. Filed Jan. 14, 1927. Serial No. 242,825.

TREVORTON CREPE

Particular description of goods.—Silk Goods in the Piece.
Claims use since June 16, 1926.

230,414. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GEORGE Z. HADDAD, Springfield, Mass. Filed May 23, 1927. Serial No. 249,417.

Dutchland

Particular description of goods.—Malt Extract.
Claims use since May 1, 1923.

230,415. (CLASS 39. CLOTHING.) STANDARD NECKWEAR COMPANY, Boston, Mass. Filed Dec. 30, 1926. Serial No. 242,214.

Tydwell

Particular description of goods.—Neckties and Cravats.
Claims use since August, 1925.

230,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY A. ORLIND, Camden, N. J. Filed Oct. 29, 1926. Serial No. 239,423.

KOF-MINT

Particular description of goods.—A Preparation for Colds, Coughs, Throat and Bronchial Affections.
Claims use since Dec. 15, 1925.

230,417. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWARD C. ERNST, Ellwood City, Pa. Filed Apr. 14, 1926. Serial No. 230,166.

SNAPON

Particular description of goods.—Antiskid Chains for Vehicles and Replacement Units for Antiskid Chains.
Claims use since September, 1923.

230,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBANY PACKING CO., INC., West Albany, N. Y. Filed May 7, 1926. Serial No. 231,230.

FIRST PRIZE

Particular description of goods.—Certain Named Meats and Lard, Eggs, and Cheese.
Claims use since Dec. 27, 1924.

230,419. (CLASS 12. CONSTRUCTION MATERIALS.) W. P. BROWN & SONS LUMBER CO., Brownville, Ala., and Louisville, Ky. Filed May 20, 1926. Serial No. 231,900.

BROWN

Particular description of goods.—Creosoted Lumber.
Claims use since May 10, 1926.

230,420. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Aug. 12, 1926. Serial No. 235,889.

FUNGI DUST

Particular description of good—Fungicides.
Claims use since June 9, 1926.

230,421. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEECH MANUFACTURING COMPANY, Portsmouth, Ohio. Filed June 11, 1926. Serial No. 233,034.

BEECHWOOD

Particular description of goods.—Flooring.
Claims use since Apr. 20, 1926.

230,422. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed May 28, 1925. Serial No. 214,900.

American Finish

Particular description of goods.—Fishing Lines.
Claims use since Apr. 1, 1925.

230,423. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY L. SCHROEDER, Chicago, Ill. Filed May 15, 1924. Serial No. 197,119.

H. L. Schroeder

Particular description of goods.—Bakers' Equipment—Namely, Peels and Handles Therefor, Proof Boxes, Swab Poles, Swab Slings, Dough Troughs and Covers, Dividing Boards, Bakers' Work Tables, Candy-Slab Stands, Proofing Closets and Cabinets, Dough-Divider Stands, Candy Paddles, Candy-Scraper Handles, Icing Paddles, Ice Rammers, Ice-Cream Paddles, Pie Dockers, Funnel-Dropper Sticks, Pie Pins, Potato Mashers, Rolling Pins, Icing Boards, Starch Boards, Cake Boards, and Cabinet-Makers' Benches.
Claims use since 1896.

230,424. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE RANSOM & RANDOLPH CO., Toledo, Ohio. Filed June 17, 1927. Serial No. 250,711.

SCHIMMEL

Particular description of goods.—Hypodermic Needles.
Claims use since 1896.

230,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARNOLD BROS. INC., Chicago, Ill. Filed June 3, 1927. Serial No. 249,939.

PARISIAN

Particular description of goods.—Liver Sausage.
Claims use since Mar. 1, 1924.

230,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARNOLD BROS. INC., Chicago, Ill. Filed June 3, 1927. Serial No. 249,938.

MANHATTAN

Particular description of goods.—Sausage.
Claims use since Feb. 1, 1923.

230,427. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE CHURCH MFG. CO., Kennewick, Wash. Filed May 27, 1927. Serial No. 249,641.

CHURCH'S

GRAPE JUICE

Particular description of goods.—Grape Juice.
Claims use since Apr. 1, 1914.

230,428. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Apr. 20, 1927. Serial No. 247,741.

E. Z. BLEND

Particular description of goods.—Colors Used in the Preparation of Cosmetics.
Claims use since March, 1926.

230,429. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) A. COHEN & SONS CORP., New York, N. Y. Filed Apr. 27, 1927. Serial No. 248,081.

Men Set TRADE MARK

Particular description of goods.—Hair, Tooth, and Shaving Brushes.
Claims use since Jan. 1, 1926.

230,430. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN W. GOTTSCHALK, Philadelphia, Pa. Filed Apr. 28, 1927. Serial No. 248,100.

GOTTSCHALK'S METAL SPONGE

Particular description of goods.—Metal Wire Used for Cleaning, Scouring, and Polishing Household Utensils, Woodwork, Etc.
Claims use since May 1, 1922.

230,431. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed May 5, 1927. Serial No. 248,502.

CAVENDISH Guaranteed ALUMINUM

Particular description of goods.—Aluminum Ware—Namely, Oval Dish Pans, Round Dish Pans, Round Roasters, Double Boilers, Teakettles, Strainer Cookers, Convex Kettles, Percolators, Saucepan Sets, Convex Pan Sets, Preserving Kettles, and Pitchers.
Claims use since about March, 1926.

230,432. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THEONETT & CO., Chicago, Ill. Filed May 16, 1927. Serial No. 249,105.

Amberale
"It Satisfies"

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink, and Sirups, Extracts, and Concentrates Used in Making the Same.
Claims use since June 5, 1926.

230,433. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SWINGSPOUT MEASURE COMPANY, Los Angeles, Calif. Filed Apr. 2, 1927. Serial No. 246,858.

"SWINGSPOUT"

Particular description of goods.—Swingspout Oil Measures.
Claims use since 1919.

230,434. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE HOFFMAN HEATER COMPANY, Louisville, Ky. Filed Apr. 1, 1927. Serial No. 246,747.

HOFFMAN

Particular description of goods.—Gas Water Heaters and Gas Storage Systems for the Storage of Water.
Claims use since July 2, 1903.

230,435. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUCK AND RAYNER, Chicago, Ill. Filed Feb. 21, 1927. Serial No. 244,655.

DR. JOHN B. MURPHY

Particular description of goods.—An Emulsion—Namely, a Preparation Composed of Pure Malt Extract and Cod-Liver Oil for Medicinal Purposes, Namely, a General Tonic, Especially Useful After Attacks of Coughs, Colds, and Other Lung Affections.
Claims use since Dec. 17, 1924.

230,436. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMERICAN FLOOR SURFACING MACHINE CO., Toledo, Ohio. Filed Dec. 30, 1926. Serial No. 242,163.

AMERICAN RAPID

Particular description of goods.—Sandpaper, Abrasive Paper and Cloth, Abrasive, and Grinding Wheels.
Claims use since August, 1922.

230,437. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J. Filed Nov. 20, 1926. Serial No. 240,372.

AMERICAN

Particular description of goods.—Toothbrushes.
Claims use since May 1, 1925.

230,438. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN M. KOZIK, Hudson, Pa. Filed Oct. 19, 1926. Serial No. 238,861.

PENN STATE

Particular description of goods.—Ginger Ale.
Claims use since June 1, 1926.

230,439. (CLASS 12. CONSTRUCTION MATERIALS.) ZOSS LADDER WORKS, Portland, Oreg. Filed Aug. 16, 1926. Serial No. 236,073.

Airplane

Particular description of goods.—Lumber.
Claims use since June 15, 1926.

230,440. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROY J. HELD, doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill. Filed Aug. 13, 1926. Serial No. 235,923.

STANDARD

Particular description of goods.—Water-Softening Apparatus.
Claims use since June 1, 1926.

230,441. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) PHILIP H. SUKERT, Chicago, Ill. Filed June 21, 1926. Serial No. 233,584.

SUKERT PRODUCT P. H.S. CHICAGO.

Particular description of goods.—Moistening Devices Equipped with Transparent Cigar-Box Covers.
Claims use since June 4, 1926.

230,442. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE SEBRING POTTERY COMPANY, Sebring, Ohio. Filed June 14, 1926. Serial No. 233,235.

Golden Maize by Sebring

Particular description of goods.—Porcelain and Chinaware—Namely, Dinner Sets, Tea Sets, Dishes, Plates, Cups and Saucers, Bowls, Teapots, Sugar Bowls, Cream Pitchers, Platters, Tureens, Covered Dishes, Gravy Boats, and Butter Dishes.
Claims use since Apr. 14, 1926.

230,443. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BUFFALO PRODUCTS CO., INC., Buffalo, N. Y. Filed June 11, 1926. Serial No. 233,057.

'ARAGON

Particular description of goods.—Malt Beverage or Near Beer.
Claims use since June 9, 1926.

230,444. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ALLINONE ADJUSTABLE GOLF CLUB CORPORATION, San Francisco, Calif. Filed May 29, 1926. Serial No. 232,444.

Novakclub

Particular description of goods.—Golf Clubs.
Claims use since May 3, 1926.

230,445. (CLASS 45. BEVERAGES, NONALCOHOLIC.) W. C. FULLEN BEVERAGE COMPANY, Monaca, Pa. Filed Apr. 23, 1926. Serial No. 230,622.

JOHNNY JONES

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Ginger Ale.
Claims use since Apr. 15, 1926.

230,446. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) RALPH V. REYNOLDS, Chicago, Ill. Filed Mar. 20, 1926. Serial No. 228,935.

Bar-O-Hooks

Particular description of goods.—Metal Hanger or Rack for Household Use.
Claims use since Jan. 1, 1926.

230,447. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. H. WILLIAMS & Co., Buffalo, N. Y. Filed July 27, 1925. Serial No. 217,975.

WILLIAMS

Particular description of goods.—C Clamps, Strap Clamps, Lathe Dogs, Crank Handles, Balance Handles, Machine Handles, Tool Posts, Tool-Post Rings, Tool-Post Wedges, Lathe Tools, Planer Tools, Boring Tools, Lathe-Tool Holders, Planer-Tool Holders, Boring-Tool Holders, Grinding Tools, Pipe-Cutting Tools, Grinding-Tool Holders, Pipe-Cutting-Tool Holders, Threading Tools, Pipe Tools, Chain Pipe Wrenches, Pipe Wrenches, Wrenches, Chain Pipe Vises, Pipe Vises, Vises, Machinists' Clamps, Clamp Lathe Dogs.
Claims use since Nov. 9, 1924.

230,448. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed June 22, 1925. Serial No. 216,164.

HUDSON

Particular description of goods.—Hoof Pads.
Claims use since on or about 1915.

230,449. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed June 22, 1925. Serial No. 216,162.

PERRY

Particular description of goods.—Hoof Pads.
Claims use since on or about 1913.

230,450. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DRYDEN RUBBER COMPANY, Chicago, Ill. Filed June 22, 1925. Serial No. 216,159.

KILDARE

Particular description of goods.—Hoof Pads.
Claims use since on or about 1913.

230,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Filed May 17, 1927. Serial No. 249,124.

AVONDALE

Particular description of goods.—Sal Soda and Table Salt.
Claims use since Oct. 12, 1925, on sal soda; since June 9, 1924, on table salt.

230,452. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HULSON GRATE COMPANY, INCORPORATED, Keokuk, Iowa. Filed May 23, 1927. Serial No. 249,421.

HULSON GRATES

Particular description of goods.—Grate Bars for Use in the Fire Boxes of Locomotives, Stationary Boilers, and Kilns.
Claims use since 1909.

TRADE-MARK REGISTRATIONS RENEWED

29,825. TRUNKS AND OTHER TRAVELING RECEPTACLES. Registered April 13, 1897. GOTTFRIED LUITHARDT LIPPOLD. Renewed April 13, 1927, to Dresdner Reiseutensilien- & Lederwarenfabrik G. L. Lippold, Dresden, Germany, successor.

29,876. CANNED FRUITS, VEGETABLES, AND MEATS. Registered April 20, 1897. HUDSON & Co., Mattituck, N. Y. Renewed April 20, 1927, to Hudson & Co., Inc., Holley, N. Y., a Corporation of New York, assignee.

30,179. SHIRTS, COLLARS, AND CUFFS. Registered June 15, 1897. JAMES MCCREERY & CO. Renewed June 15, 1927, to James McCreery & Company, New York, N. Y., a Corporation of New York, assignee by mesne assignments.

30,312. HARDWOODS BOTH IN SAWED AND LOG FORMS. Registered June 29, 1897. FRANK PURCELL. Renewed June 29, 1927, to Frank Purcell Walnut Lumber Co., Kansas City, Mo., a Corporation of Missouri, successor.

30,580. WAGONS. Registered September 21, 1897. DEERE & CO., Moline and Decatur, Ill.; Council Bluffs, Des Moines, and Keokuk, Iowa; Kansas City and St. Louis, Mo.; Minneapolis, Minn.; and San Francisco, Calif. Renewed September 21, 1927, to Deere & Company, Moline, Ill., a Corporation of Illinois, assignee.

30,755. REMEDY FOR BRONCHITIS AND ASTHMA. Registered October 26, 1897. THE WALLACE ASTHMA CURE COMPANY. Renewed October 26, 1927, to The Wallace Asthma Remedy Company, Philadelphia, Pa.

30,809. A POWDER FOR USE ON PLANTS AND VINES. Registered November 9, 1897. DANFORTH CHEMICAL COMPANY, Saco, Me., and Leominster, Mass., a Corporation of Maine. Renewed November 9, 1927.

54,849. MONTHLY MAGAZINE OR PERIODICAL. Registered July 31, 1906. J. SHEPHERD CLARK COMPANY. Renewed July 31, 1926, to International Trade Papers, Inc., New York, N. Y., a Corporation of New York, assignee by mesne assignments.

59,928. DRIED FRUITS. Registered January 22, 1907. REISS & BRADY. Renewed January 22, 1927, to Cresca Company Incorporated, New York, N. Y., a Corporation of New York, assignee.

60,914. WRITING PAPER, BOND PAPER, AND LEDGER PAPER. Registered February 26, 1907. UNION CARD & PAPER CO., New York, N. Y., a Corporation of New York. Renewed February 26, 1927.

62,982. A LIVER REMEDY. Registered May 28, 1907. ALVIN P. SAWYER. Renewed May 28, 1927, to Edward C. Sawyer, Chicago, Ill., assignee by mesne assignments.

62,991. A REMEDY FOR CERTAIN DISEASES. Registered June 4, 1907. FRIEDRICH ADOLF RICHTER, Rudolstadt, Germany, and New York, N. Y. Renewed June 4, 1927, to F. Ad. Richter & Co., Brooklyn, N. Y., a Corporation of New York, assignee by mesne assignments.

63,051. MANUFACTURES OF SILVER. Registered June 4, 1907. JOSEPH RODGERS & SONS, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 4, 1927.

63,409. CUTLERY IN GENERAL. Registered June 18, 1907. JOSEPH RODGERS & SONS, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed June 18, 1927.

64,169. CUTLERY IN GENERAL. Registered July 30, 1907. JOSEPH RODGERS & SONS, LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed July 30, 1927.

64,264. A REMEDY FOR DISEASES PECULIAR TO WOMEN. Registered July 30, 1907. ALVIN P. SAWYER. Renewed July 30, 1927, to Edward C. Sawyer, Chicago, Ill., assignee by mesne assignments.

64,921. CERTAIN FOODS. Registered August 27, 1907. OLIVER-FINNIE CO., Memphis, Tenn., a Corporation of Tennessee. Renewed August 27, 1927.

65,093. DRESSINGS FOR LEATHER BELTING. Registered September 10, 1907. F. S. WALTON COMPANY, Philadelphia, Pa., a Corporation of New Jersey. Renewed September 10, 1927.

65,236. SPAGHETTI, VERMICELLI, MACARONI, AND NOODLES. Registered September 17, 1907. A. ZEREGA'S SONS, CONSOLIDATED, New York, N. Y. Renewed September 17, 1927, to A. Zerega's Sons, Consolidated, Brooklyn, N. Y., a Corporation of New York.

65,268. CERTAIN CLOTHING. Registered September 17, 1907. BIRD, JONES & KENYON. Renewed September 17, 1927, to Utica Duxbak Corporation, Utica, N. Y., a Corporation of New York, assignee.

65,366. FISH-DRESSING MACHINES. Registered September 24, 1907. SMITH CANNERY MACHINES COMPANY, Seattle, Wash., a Corporation of the State of Washington. Renewed September 24, 1927.

65,801. CERTAIN FOODS. Registered October 22, 1907. CARROLL, BROUGH & ROBINSON, Oklahoma City, Okla., a Corporation of the Territory of Oklahoma (now the State of Oklahoma). Renewed October 22, 1927.

65,864. LEATHER BOOTS AND SHOES. Registered October 29, 1907. SELZ, SCHWAB & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 29, 1927.

65,865. LEATHER BOOTS AND SHOES. Registered October 29, 1907. SELZ, SCHWAB & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 29, 1927.

65,866. LEATHER BOOTS AND SHOES. Registered October 29, 1907. SELZ, SCHWAB & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 29, 1927.

65,970. WATER HEATERS AND HEAT EXTRACTORS. Registered November 5, 1907. ALBERGER CONDENSER CO., New York, N. Y., a Corporation of New York. Renewed November 5, 1927.

65,971. WATER HEATERS AND HEAT EXTRACTORS. Registered November 5, 1907. ALBERGER CONDENSER CO., New York, N. Y., a Corporation of New York. Renewed November 5, 1927.

66,211. CERTAIN TOILET PREPARATIONS. Registered November 12, 1907. MARY C. WHELAN. Renewed November 12, 1927, to Sarah Carrick, Washington, D. C., assignee.

66,319. EXPANSION JOINTS. Registered November 19, 1907. ALBERGER CONDENSER CO., New York, N. Y., a Corporation of New York. Renewed November 19, 1927.

LABELS

REGISTERED JULY 19, 1927.

32,453.—*Title:* CHUCKLES. For Candy. FRED W. AMEND CO., Chicago, Ill. Published March 12, 1927.

32,454.—*Title:* DELICIA. For Oranges. ANAHEIM ORANGE & LEMON ASS'N, Anaheim, Calif. Published April 1, 1927.

32,455.—*Title:* FLEUR DE ORIENT TOILET WATER. For Toilet Water. ELY BLECHMAN, doing business as Floroma Laboratories (Not Incorporated), Chicago, Ill. Published April 15, 1927.

32,456.—*Title:* BLECHMAN'S SPECIAL FOAMING HAIR TONIC. For Hair Tonic. ELY BLECHMAN, doing business as Floroma Laboratories (Not Incorporated), Chicago, Ill. Published April 15, 1927.

32,457.—*Title:* FERNAT-BRANCA. For a Medicinal Preparation—Namely, an Anticholera and Tonic Remedy. FRATELLI BRANCA & C., Milan, Italy. Published March 15, 1927.

32,458.—*Title:* LUSK'S LUSCIOUS. For Canned Fruits for Salad. CALIFORNIA CANNERIES COMPANY, San Francisco, Calif. Published June 1, 1927.

32,459.—*Title:* MORE HEALTH. For Chocolate Sirup. CHOCOLATE PRODUCTS CO., Chicago, Ill. Published May 1, 1927.

32,460.—*Title:* BEAR. For Oranges. CITRUS FRUIT ASS'N. OF ONTARIO, Ontario, Calif. Published April 6, 1927.

32,461.—*Title:* ARCTIC MALT EXTRACT. For Malt Extracts for Food Purposes. FRANCIS DEL GRECO, doing business as Frank's Malt Stores, Akron, Ohio. Published January 15, 1927.

32,462.—*Title:* CAMEL MALT EXTRACT. For Malt Extracts for Food Purposes. FRANCIS DEL GRECO, doing business as Frank's Malt Stores, Akron, Ohio. Published January 15, 1927.

32,463.—*Title:* UNOIT. For Soap. "IT" PRODUCTS CO., Los Angeles, Calif. Published April 7, 1927.

32,464.—*Title:* PARACHUTE. For Oranges. H. JEVNE CO., Los Angeles, Calif. Published March 28, 1927.

32,465.—*Title:* POT-O'-GOLD. For Oranges. H. JEVNE CO., Los Angeles, Calif. Published March 28, 1927.

32,466.—*Title:* BLUE ANCHOR. For Malt Sirup. H. KASSER, doing business as Blue Anchor Malt Distributing Co., Philadelphia, Pa. Published January 2, 1927.

32,467.—*Title:* GRANDMA'S. For Cakes. LANTZ BROS. BAKING CO., St. Louis, Mo. Published June 14, 1927.

32,468.—*Title:* E-Z FURNITURE FINISH. For Liquid Polish for Leather and for Varnished and Similar Surfaces. FRANK MERCHIE, Moline, Ill. Published June 11, 1927.

32,469.—*Title:* ROYAL HAWAIIAN FRUITS. For Canned Pineapple Jam. MUNRO, LTD., Honolulu, Territory of Hawaii. Published May 2, 1927.

32,470.—*Title:* PRESIDENT LINCOLN. For Coffee, Tea, and Spices. FRED W. NELSON, Clifton, doing business as Educator Food Products Sales Co., Dallas, Tex. Published May 20, 1927.

32,471.—*Title:* NOMA DECORATIVE LIGHTING OUTFIT. For Christmas-Tree Outfits. NOMA ELECTRIC CORPORATION, New York, N. Y. Published June 1, 1927.

32,472.—*Title:* GOLDEN HILL. For Corn Sirup and Sorghum Blend. PENICK & FORD LIMITED INCORPORATED, New Orleans, La. Published March 1, 1927.

32,473.—*Title:* AMIE JANE CHOCOLATE COCOANUT CREME. For Candy. THE ROBERTS-FRINK COMPANY, Norwich, Conn. Published June 8, 1927.

32,474.—*Title:* SCHOENHUT'S SUBMARINE GAME. For a Game. THE A. SCHOENHUT COMPANY, Philadelphia, Pa. Published February 9, 1927.

32,475.—*Title:* SCHOENHUT'S JAZZ ORCHESTRA BELLS. For Jazz Orchestra Bells. THE A. SCHOENHUT COMPANY, Philadelphia, Pa. Published February 9, 1927.

32,476.—*Title:* THE STEVENS. For Cigars. ERNEST J. STEVENS, Chicago, Ill. Published April 8, 1927.

32,477.—*Title:* FLORIDA HONEY. For Honey. TIM TIETSEMA, Oviedo, Fla. Published April 28, 1927.

32,478.—*Title:* TIM'S CAP. For Tim's Caps. TIM'S CAP CORPORATION, New York, N. Y. Published May 4, 1927.

32,479.—*Title:* CALIFORNIA PADRES. For Wine Elixir Tonic. VAI BROS., doing business as California Medicinal Wine Co., Los Angeles, Calif. Published May 26, 1927.

32,480.—*Title:* KEYSTONE VELVET FACE POWDER. For a Face Powder. ARTHUR EUGENE WATKINS, Des Moines, Iowa. Published May 7, 1927.

32,481.—*Title:* JIFFY MALT. For a Liquid Chocolate-Flavored Malted Milk. WEBER BROS. CO., Passaic and Newark, N. J. Published April 15, 1927.

PRINTS

REGISTERED JULY 19, 1927.

10,062.—*Title:* A GRACEFUL INTERPRETATION OF THE CURRENT MODE IS OFFERED IN THIS ORNAMENT CREATED BY BLACK, STARR & FROST. For Jewelry. BLACK, STARR & FROST, New York, N. Y. Published June 15, 1927.

10,063.—*Title:* RESULTS COUNT. For Gaskets and Packings and Similar Products. STEWART R. BROWNE MFG. CO., INC., New York, N. Y. Published April 10, 1926.

10,064.—*Title:* BUY FIT-WEAR-COOLNESS-COMFORT! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 18, 1927.

10,065.—*Title:* GOOD FIT AND GOOD FEELING. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 20, 1927.

10,066.—*Title:* WHEN THE WEATHER MAN FALLS DOWN. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 11, 1927.

10,067.—*Title:* JOIN THE COOL-CLUB! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 22, 1927.

10,068.—*Title:* A FAMOUS COFFEE WITH A FAMOUS NAME. For Coffee. CLOSSET & DEVERS, Portland, Oreg. Published April 12, 1927.

10,069.—*Title:* THE HARDEST CROP TO RAISE! For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published June 20, 1927.

10,070.—*Title:* THE REST OF THE WORLD IS YOURS. For Pillows. CHAS. EMMERICH & Co., Chicago, Ill. Published April 1, 1927.

10,071.—*Title:* CLOWN JUGGLER. For Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published November 1, 1926.

10,072.—*Title:* COACH. For Printing Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published December 1, 1926.

10,073.—*Title:* INK CANS. For Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published October 1, 1926.

10,074.—*Title:* JOCKEY. For Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published April 1, 1927.

10,075.—*Title:* LOCOMOTIVE. For Printing Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published March 1, 1927.

10,076.—*Title:* PROFESSOR. For Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published June 1, 1927.

10,077.—*Title:* STEAMBOAT. For Printing Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published January 1, 1927.

10,078.—*Title:* STEPHEN GIRARD. For Printing Inks. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa. Published February 1, 1927.

10,079.—*Title:* TIGER. For Inks. CHARLES ENEU JOHNSON, AND COMPANY, Philadelphia, Pa. Published May 1, 1927.

10,080.—*Title:* MIKE O'METER. For Piston Rings. THE PISTON RING COMPANY, Muskegon, Mich. Published April 28, 1927.

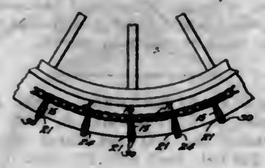
10,081.—*Title:* TODAY ONLY. For Prints. THOMAS D. TAYLOR, Philadelphia, Pa. Published May 21, 1927.

10,082.—*Title:* TIM'S. For Tim's Caps. TIM'S CAP CORPORATION, New York, N. Y. Published May 4, 1927.

REISSUES

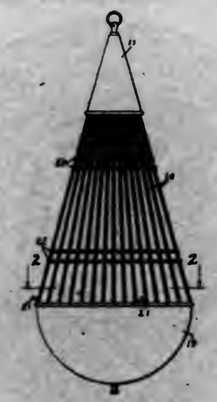
JULY 19, 1927.

16,680. TREAD GRIP. CARLTON L. HOFF, York, Pa., assignor to Hoff Metal Products Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 10, 1925. Serial No. 14,585. Original No. 1,499,579, dated July 1, 1924, Serial No. 633,734, filed Apr. 21, 1923. 10 Claims. (Cl. 152—14.)



1. In a device of the class described, the combination with a vehicle wheel, of a flexible anti-skid device loosely encircling the tread portion of the wheel, said device including a plurality of tread members each having a rotary movement about a contained axis extending transversely of the plane of the wheel and having its periphery defined by a plurality of wheel engaging faces and with adjacent faces angularly disposed, said member being held from rotary movement when in operative position between the ground and the wheel and, when thrown clear of the wheel by centrifugal action, being free to rotate and then present its different faces to the wheel as it is revolved bodily by the wheel.

16,681. BIRD CAGE. WILLIAM FREDERICK SCHLEICH, Harrison, N. Y., assignor to Schleich Studios, Inc., New York, N. Y., a Corporation of New York. Filed May 9, 1925. Serial No. 29,252. Original No. 1,502,748, dated July 29, 1924, Serial No. 604,481, filed Dec. 2, 1922. 15 Claims. (Cl. 119—17.)



1. A bird cage comprising an upper body portion and a lower body portion having its walls offset inwardly from the upper body portion, a shield adapted to telescope over the lower portion and closely embrace the lower edge of the upper portion to form a closed structure therewith, and means carried on the shield for engaging the upper body portion to secure the shield thereon.

16,682. METHOD OF VULCANIZING RUBBER. RAYMOND MARK WARNER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 31, 1927. Serial No. 195,576. Original No. 1,540,580, dated June 2, 1925, Serial No. 721,076, filed June 19, 1924. 20 Claims. (Cl. 18—53.)

1. The hereindescribed method of producing an article of rubber having one part vulcanized and another part unvulcanized, which consists in mixing two separate stocks, one containing rubber, sulphur and a vulcanization retarder, and the other rubber but no sulphur, juxtaposing said stocks, and subjecting the same to vulcanizing temperature.

16,683. STEEL OF HIGH-TEMPERATURE STABILITY. WILLIAM ROBERT SHIMER, Bethlehem, Pa., assignor to Bethlehem Steel Company. Filed May 26, 1927. Serial No. 194,520. Original No. 1,624,075, dated Apr. 12, 1927, Serial No. 752,929, filed Nov. 29, 1924. 6 Claims. (Cl. 75—1.)

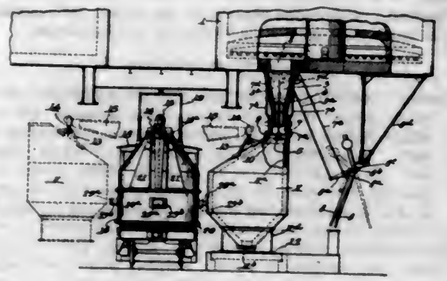
1. A low-carbon, tough, and readily workable commercial steel containing between .40 and .60 chromium, between .50 and .80 manganese and with tungsten between 1% and 1.50% added thereto to preserve the strength of the steel at high temperatures.

16,684. METAL POLE. ADOLPH W. MALONE, Fillmore, Utah, assignor, by direct and mesne assignments, of one-third to Albert H. Vestal, Anderson, Ind., and one-third to Alvah M. Lockwood, Houston, Tex. Filed June 2, 1927. Serial No. 196,133. Original No. 1,617,262, dated Feb. 8, 1927, Serial No. 130,285, filed Aug. 19, 1926. 7 Claims. (Cl. 189—24.)



4. A pole formed of two groups of continuous members, the members of one group extending around the pole in a direction opposite the members of the other group, one or more of said members having a rib disposed substantially at right angles to the surface of the pole, substantially as set forth.

16,685. APPARATUS FOR TRANSPORTING CALCINE FROM ROASTER FURNACES AND CHARGING SAME INTO REVERBERATORY FURNACES. ALEXANDER GRANT MCGREGOR, Warren, Ariz. Filed July 1, 1926. Serial No. 121,730. Original No. 1,549,141, dated Aug. 11, 1925, Serial No. 630,589, filed Apr. 7, 1923. 25 Claims. (Cl. 214—18.)



1. An apparatus for transferring hot ore product from a roasting furnace to a smelting furnace, comprising a container having a heat non-conducting or insulated outer wall, a filling opening at its top, a discharge opening at its bottom, and a gate for controlling said discharge opening, combined with means for transferring said container from beneath a roasting furnace when filled to a position over a smelting furnace into which its contents are to be discharged, said means comprising a transfer car provided with lifting and transporting means adapted to raise said container when filled and place it on said car and subsequently move said container from the car and place it over the smelting furnace.

16,686. GARMENT AND LIKE ARTICLE OF MANUFACTURE. HARLEY C. MOULTON, Maplewood, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed May 24, 1926. Serial No. 111,462. Original No. 1,574,405, dated Feb. 23, 1926, Serial No. 567,043, filed June 9, 1922. 7 Claims. (Cl. 112—268.)

1. In a seam, the combination of two separate body fabrics arranged in superposed relation, the inner marginal portions being inturned and secured by a line of stitching, and a line of blind stitches connecting the fabrics and extending parallel with said inturned marginal portions but spaced therefrom, said blind stitches including a series of equally spaced and anchored penetrant needle thread loops which enter and emerge respectively from the inner faces of said body fabrics.



16,687. SURGICAL INSTRUMENT. OTTO H. OBSTERWITZ, Syracuse, N. Y. Filed Mar. 3, 1925. Serial No. 13,006. Original No. 1,448,858, dated Mar. 20, 1923, Serial No. 538,184, filed Feb. 21, 1922. 10 Claims. (Cl. 128—309.)



1. In a surgical instrument of the character described, the combination of a frame, a tubular sleeve mounted thereon, a spatula secured to the sleeve and provided with an opening having a shearing edge, a cutter reciprocally movable on the spatula to and from a position across the opening and cooperating with said cutting edge, a jaw reciprocally movable on the spatula to and from a position across the opening, and separate devices for reciprocating the cutter and jaw independently of each other.

DESIGNS

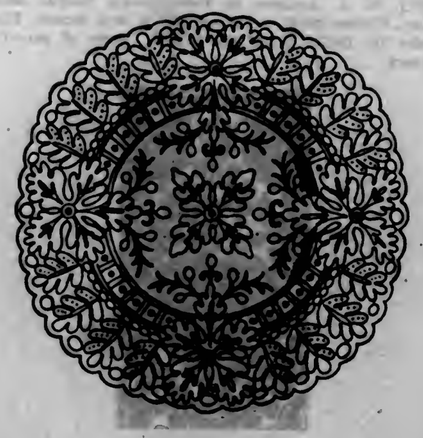
JULY 19, 1927.

73,058. PLATE OR SIMILAR ARTICLE. ALPHONSE BIER, Forest Hills, N. Y., assignor to Palm, Fechteler & Co., New York, N. Y. Filed May 12, 1927. Serial No. 21,944. Term of patent 7 years.



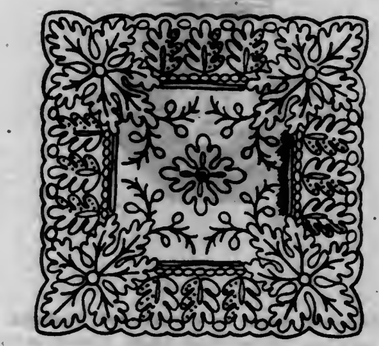
The ornamental design for a plate or similar article, as shown.

73,059. LACE MAT. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Apr. 21, 1927, Serial No. 21,667, and in Great Britain Feb. 17, 1927. Term of patent 3½ years.



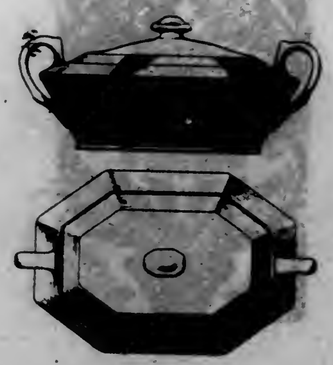
The ornamental design for a lace mat substantially as shown.

73,060. LACE MAT. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Apr. 21, 1927, Serial No. 21,668, and in Great Britain Mar. 31, 1927. Term of patent 3½ years.



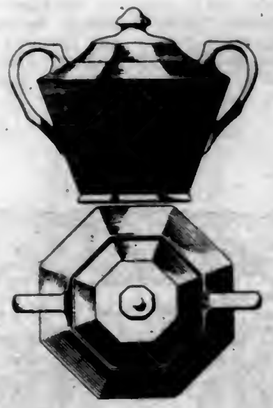
The ornamental design for a lace mat substantially as shown.

73,061. CASSEROLE. SAMUEL BRUNT, Sebring, Ohio, assignor to The Sebring Manufacturing Corporation, Sebring, Ohio. Filed Apr. 27, 1927. Serial No. 21,762. Term of patent 7 years.



The ornamental design for a casserole, as shown.

73,062. SUGAR BOWL. SAMUEL BRUNT, Sebring, Ohio, assignor to The Sebring Manufacturing Corporation, Sebring, Ohio. Filed Apr. 27, 1927. Serial No. 21,764. Term of patent 7 years.



The ornamental design for a sugar bowl, as shown.

73,063. TEXTILE FABRIC. GEORGE CALUORI, Jersey City, N. J., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed May 10, 1927. Serial No. 21,915. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

73,064. TEXTILE FABRIC. GEORGE CALUORI, Jersey City, N. J., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed May 10, 1927. Serial No. 21,916. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

73,065. TEXTILE FABRIC. GEORGE CALUORI, Jersey City, N. J., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed May 10, 1927. Serial No. 21,917. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

73,066. TEXTILE FABRIC. GEORGE CALUORI, Jersey City, N. J., assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J., a Corporation of New Jersey. Filed May 10, 1927. Serial No. 21,918. Term of patent 7 years.



The ornamental design for a textile fabric substantially as shown.

73,067. BISCUIT. GURTH F. CHAMBERS, London, Ontario, Canada, assignor to Canada Biscuit Company, Limited, a Corporation of Ontario, Canada. Filed May 17, 1927. Serial No. 22,011. Term of patent 3½ years.



The ornamental design for a biscuit as shown.

73,068. CANDLESTICK OR ANALOGOUS ARTICLE. PAUL CRICCHIO, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc., a Corporation of New York. Filed May 16, 1927. Serial No. 22,000. Term of patent 3½ years.



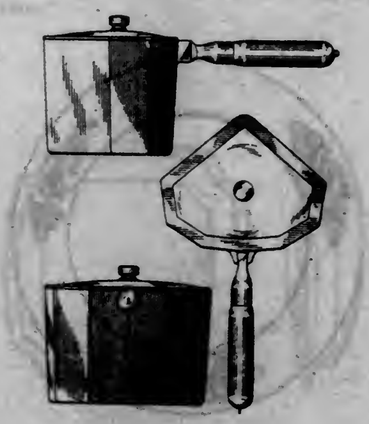
The ornamental design for a candlestick or analogous article substantially as shown.

73,069. LANTERN PANEL. LE ROY A. CRUMLEY, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 9, 1927. Serial No. 21,072. Term of patent 3½ years.



The ornamental design for a lantern panel as shown.

73,070. STEWPAN OR SIMILAR ARTICLE. SAMUEL DACHMAN, Brooklyn, N. Y. Filed Mar. 19, 1927. Serial No. 21,218. Term of patent 3½ years.



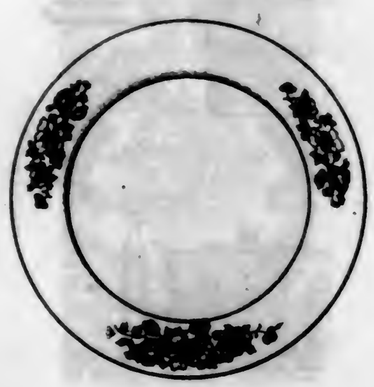
The ornamental design for a stewpan or similar article as shown.

73,071. DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 16, 1927. Serial No. 21,618. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown.

73,072. PLATE OR SIMILAR ARTICLE. WALTER DE VILLE, East Liverpool, Ohio, assignor to The Decal Products Company, East Liverpool, Ohio, a Corporation of Ohio. Filed Jan. 13, 1927. Serial No. 20,360. Term of patent 3½ years.



The ornamental design for a plate or similar article as shown.

73,073. AUTOMOBILE INSTRUMENT PANEL. ARTHUR F. DRAPER, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 1, 1927. Serial No. 21,425. Term of patent 14 years.



The ornamental design for an automobile instrument panel, as shown.

73,074. LENS FRAME FOR SPECTACLES. ERNEST E. EMONS, Philadelphia, Pa., assignor of one-half to Robert E. Hillier, Akron, Ohio. Filed Oct. 19, 1926. Serial No. 19,410. Term of patent 14 years.



The ornamental design for a lens frame for spectacles as shown.

73,075. LENS FRAME FOR SPECTACLES. ERNEST E. EMONS, Philadelphia, Pa., assignor of one-half to Robert E. Hillier, Akron, Ohio. Filed Oct. 19, 1926. Serial No. 19,412. Term of patent 14 years.



The ornamental design for a lens frame for spectacles, as shown.

73,076. LENS FRAME FOR SPECTACLES. ERNEST E. EMONS, Philadelphia, Pa., assignor of one-half to Robert E. Hillier, Akron, Ohio. Filed Oct. 19, 1926. Serial No. 19,414. Term of patent 14 years.



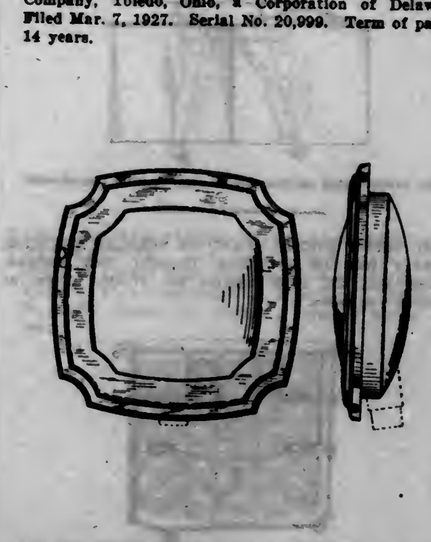
The ornamental design for a lens frame for spectacles, as shown.

73,077. EYEGLASS FRAME. JOHN GASPARI, New York, N. Y., assignor to De Luxe Optical Co. Inc., New York, N. Y., a Corporation of New York. Filed Apr. 6, 1927. Serial No. 21,495. Term of patent 14 years.



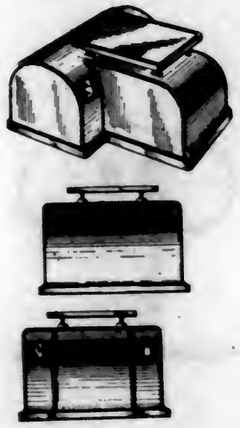
The ornamental design for an eyeglass frame as shown and described.

73,078. VEHICLE LAMP OR SIMILAR ARTICLE. GEORGE GRAFF, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 7, 1927. Serial No. 20,999. Term of patent 14 years.



The ornamental design for a vehicle lamp or similar article, substantially as shown.

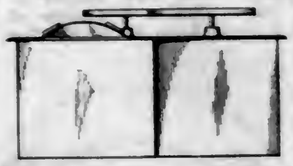
73,079. SCALE CASING. NATHAN A. HALLWOOD, Columbus, Ohio. Filed May 20, 1926. Serial No. 17,781. Term of patent 14 years.



The ornamental design for a scale casing, as shown.

73,080. SCALE CASING. NATHAN A. HALLWOOD, Columbus, Ohio. Filed May 20, 1926. Serial No. 17,782. Term of patent 14 years.





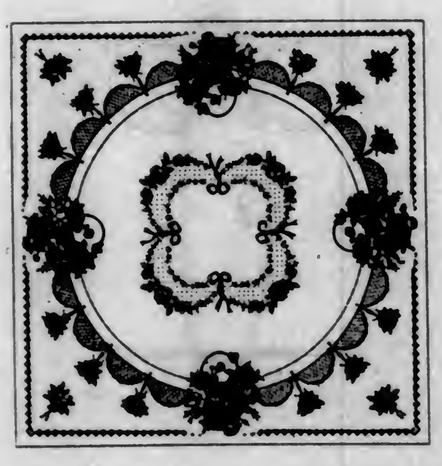
The ornamental design for a scale casing, as shown.

73,081. GRAMOPHONE STAND OR SIMILAR ARTICLE. HENRY WILLIAM SEW HOY, Dunedin, New Zealand. Filed Mar. 27, 1926. Serial No. 17,086. Term of patent 3½ years.



The ornamental design for a gramophone stand or similar article as shown.

73,082. TABLE COVER OR SIMILAR ARTICLE. HAROLD S. HULL, New York, N. Y. Filed Mar. 11, 1927. Serial No. 21,110. Term of patent 3½ years.



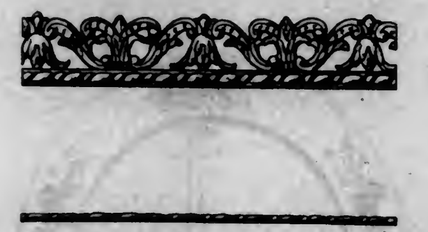
The ornamental design for a table cover or similar article, as shown and described.

73,083. TABLE COVER OR SIMILAR ARTICLE. HAROLD S. HULL, New York, N. Y. Filed Mar. 11, 1927. Serial No. 21,111. Term of patent 3½ years.



The ornamental design for a table cover or similar article, as shown and described.

73,084. BANDING FOR LIGHTING FIXTURES. WALTER W. KANTACK, St. Albans, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Nov. 3, 1926. Serial No. 19,587. Term of patent 7 years.



The ornamental design for a banding for lighting fixtures, as shown.

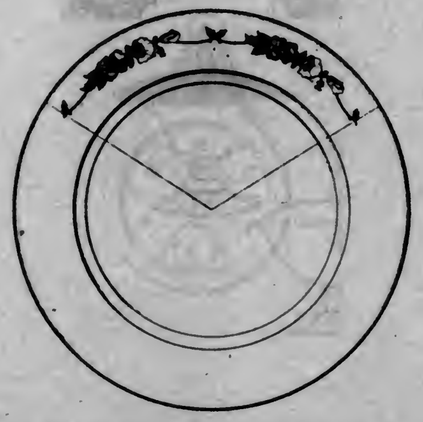
73,085. BANDING FOR LIGHTING FIXTURES. WALTER W. KANTACK, St. Albans, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Nov. 3, 1926. Serial No. 19,589. Term of patent 7 years.





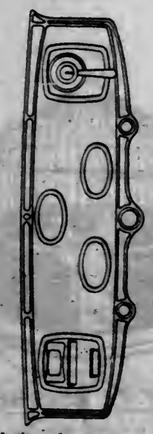
The ornamental design for a banding for lighting fixtures, as shown.

73,086. PLATE OR SIMILAR ARTICLE. LOU B. KAUFFMAN, New York, N. Y., assignor to Nathan Strauss & Sons, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 26, 1927. Serial No. 21,353. Term of patent 14 years.



The ornamental design for a plate or similar article substantially as shown and described.

73,087. AUTOMOBILE INSTRUMENT PANEL. PHILIP J. KENT, Royal Oak, Mich., assignor to Chrysler Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 1, 1927. Serial No. 21,427. Term of patent 14 years.



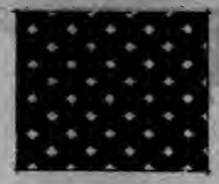
The ornamental design for an automobile instrument panel, as shown.

73,088. DOLL. KRESTINE KNUDSEN, Oakland, Calif. Filed May 10, 1927. Serial No. 21,903. Term of patent 14 years.



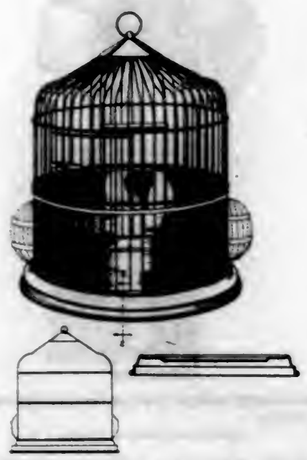
The ornamental design for a doll as shown.

73,089. TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE. JACK LADER, Brooklyn, N. Y., assignor to Ceason Mills, Ch. Perman & Sons, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 30, 1927. Serial No. 21,800. Term of patent 3½ years.



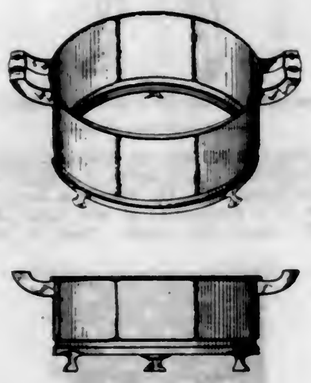
The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

73,090. BIRD CAGE. LEWICKI J. LEON, West Chicago, Ill. Filed Jan. 8, 1927. Serial No. 20,308. Term of patent 14 years.



The ornamental design for a bird cage, as shown.

73,091. CASSEROLE FRAME. HARRY LERNER, Brooklyn, and ABE GINSBURG, New York, N. Y. Filed July 21, 1926. Serial No. 18,429. Term of patent 3½ years.



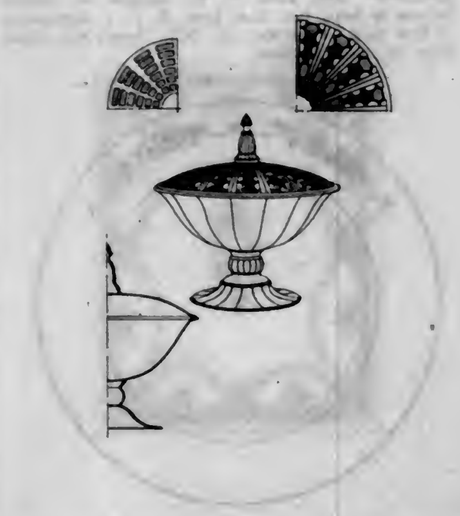
The ornamental design for a casserole frame, as shown.

73,092. PLATE OR SIMILAR ARTICLE. PERCY N. LEYLAND, Glen Ridge, N. J. Filed Sept. 21, 1926. Serial No. 19,140. Term of patent 3½ years.



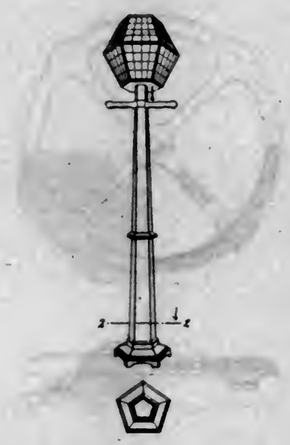
The ornamental design for a plate or similar article, as shown.

73,093. TABLE CENTERPIECE. ERIK MAGNUSSEN, Providence, R. I., assignor to Gorham Mfg. Co., Providence, R. I. Filed Mar. 21, 1927. Serial No. 21,241. Term of patent 14 years.



The ornamental design for a table centerpiece, as shown.

73,094. LAMP. WILLIAM MCCOY, Huntingdon, Pa. Filed Feb. 8, 1927. Serial No. 20,652. Term of patent 7 years.



The ornamental design for a lamp, as shown.

73,095. COMBINED WATCHCASE AND APPENDAGE. CHARLES MESSICK, Brentwood, N. Y. Filed Feb. 11, 1922. Serial No. 666. Term of patent 14 years.



The ornamental design for a combined watchcase and appendage, as shown.

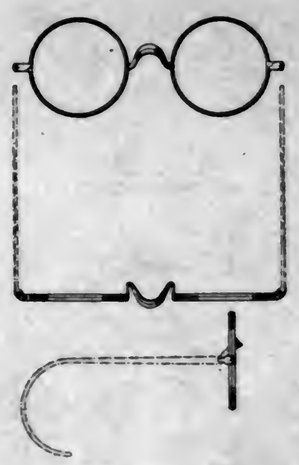
73,096. BOTTLE. SAMUEL C. MILLER, Louisville, Ky. Filed Mar. 16, 1927. Serial No. 21,153. Term of patent 14 years.





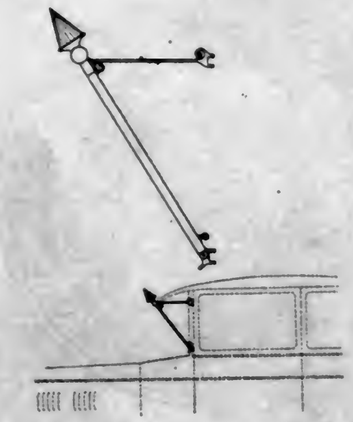
The ornamental design for a bottle, as shown.

73,097. EYEGLASS FRAME. GEORGE E. NEARNEY, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Nov. 18, 1926. Serial No. 19,758. Term of patent 14 years.



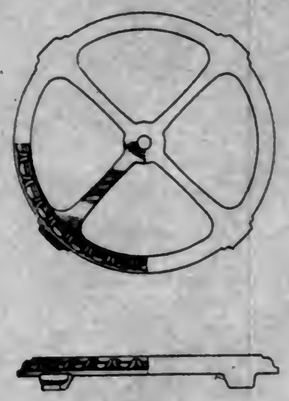
The ornamental design for an eyeglass frame as shown and described.

73,098. COMBINED SIGNAL LAMP AND SUPPORTING BRACKET FOR AUTOMOBILES AND OTHER VEHICLES. CHARLES RITTENHOUSE, Jr., Cincinnati, Ohio. Filed Feb. 3, 1927. Serial No. 20,502. Term of patent 7 years.



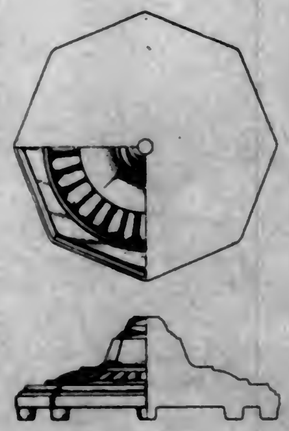
The ornamental design for a combined signal lamp and supporting bracket for automobiles and other vehicles, substantially as shown.

73,099. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1927. Serial No. 21,354. Term of patent 3½ years.



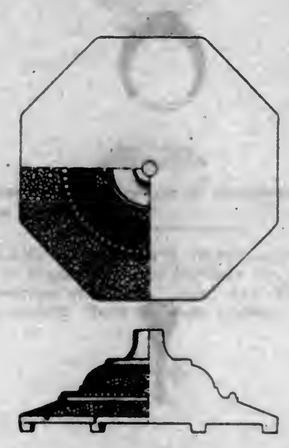
The ornamental design for a lamp base, substantially as shown.

73,100. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1927. Serial No. 21,355. Term of patent 3½ years.



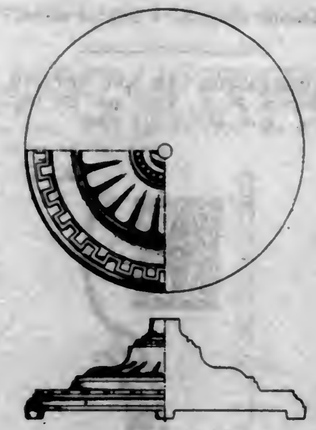
The ornamental design for a lamp base, substantially as shown.

73,101. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1927. Serial No. 21,356. Term of patent 3½ years.



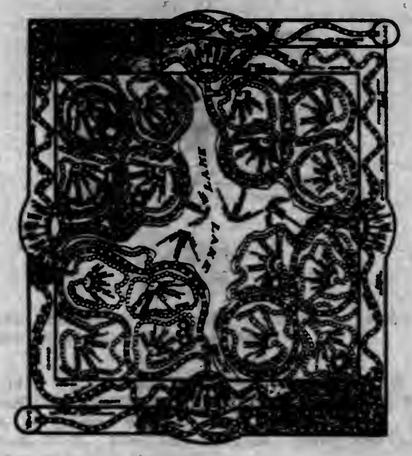
The ornamental design for a lamp base, substantially as shown.

73,102. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1927. Serial No. 21,357. Term of patent 3½ years.



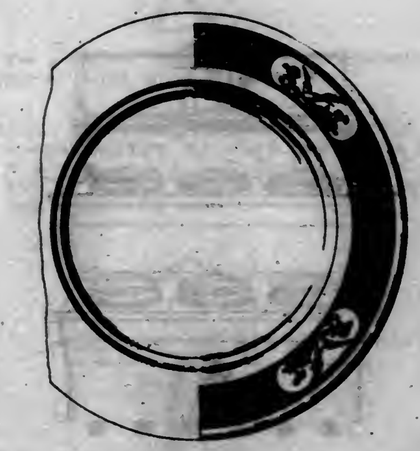
The ornamental design for a lamp base, substantially as shown.

73,103. GAME BOARD. WALTER ROWE, Chicago, Ill. Filed Nov. 26, 1926. Serial No. 19,840. Term of patent 14 years.



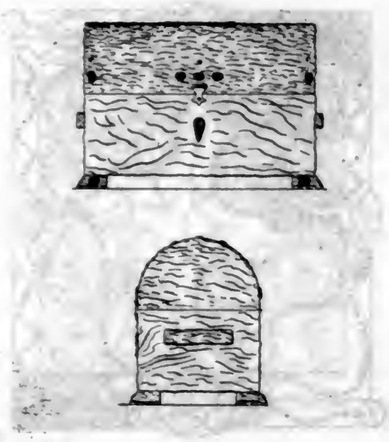
The ornamental design for a game board, as shown.

73,104. PLATE. EMIL L. SCHNEPF, Trenton, N. J., assignor to Scammell China Co., Trenton, N. J. Filed Nov. 23, 1926. Serial No. 19,824. Term of patent 14 years.



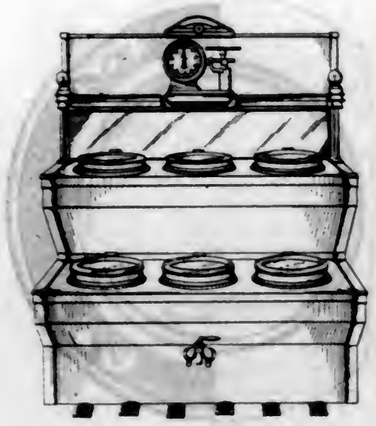
The ornamental design for a plate, as shown and described.

73,105. BOX. MARGUERITE SHAW, Venice, Calif. Filed Feb. 24, 1927. Serial No. 20,877. Term of patent 3½ years.



The ornamental design for a box, as shown.

73,106. REFRIGERATING CABINET. MORRIS SHORE, Philadelphia, Pa., assignor, by mesne assignments, to Simon Pearl, Philadelphia, Pa. Filed Jan. 21, 1926. Serial No. 16,194. Term of patent 3½ years.



The ornamental design for a refrigerating cabinet as shown.

73,107. FINGER RING. MICHAEL E. SOMAN, New York, N. Y., assignor to Greenberg & Schwartz, a Copartnership composed of Harry Greenberg and Benjamin Schwartz, New York, N. Y. Filed Dec. 15, 1926. Serial No. 20,057. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

73,108. RING. CHRISTOPHER L. STANGE, St. Louis, Mo., assignor to The Grand Council of the Order of De Molay, St. Louis, Mo. Filed May 22, 1926. Serial No. 17,812. Term of patent 3½ years.



The ornamental design for a ring, as shown.

73,109. COMBINATION GEM AND SETTING. ISIDOR STERN, Newark, N. J. Filed Apr. 27, 1927. Serial No. 21,734. Term of patent 7 years.



The ornamental design for a combination gem and setting, as shown.

73,110. COMBINATION GEM AND SETTING. ISIDOR STERN, Newark, N. J. Filed Apr. 27, 1927. Serial No. 21,735. Term of patent 7 years.



The ornamental design for a combination gem and setting, as shown.

73,111. LAMP. THEOPHILE A. STIFFEL, Chicago, Ill., assignor to Ornamental Iron Products Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 27, 1927. Serial No. 20,516. Term of patent 7 years.



The ornamental design for a lamp as shown and described.

73,112. PANEL FOR A LIGHTING FIXTURE. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1927. Serial No. 21,540. Term of patent 3½ years.



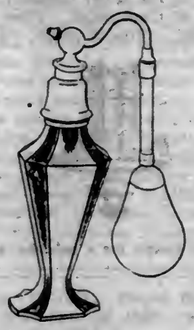
The ornamental design for a panel for a lighting fixture substantially as shown.

73,113. PERFUME ATOMIZER OR ARTICLE OF SIMILAR NATURE. ABRAHAM L. WAGNER, New York, N. Y., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Filed May 21, 1927. Serial No. 22,118. Term of patent 3½ years.



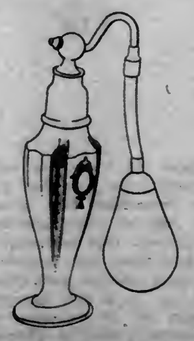
The ornamental design for a perfume atomizer or article of similar nature, as shown.

73,114. PERFUME ATOMIZER OR ARTICLE OF SIMILAR NATURE. ABRAHAM L. WAGNER, New York, N. Y., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Filed May 21, 1927. Serial No. 22,119. Term of patent 3½ years.



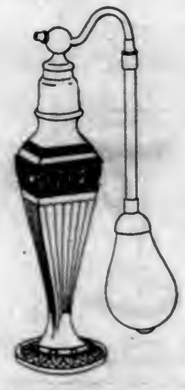
The ornamental design for a perfume atomizer or article of similar nature, as shown.

73,115. PERFUME ATOMIZER OR ARTICLE OF SIMILAR NATURE. ABRAHAM L. WAGNER, New York, N. Y., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Filed May 21, 1927. Serial No. 22,120. Term of patent 3½ years.



The ornamental design for a perfume atomizer or article of similar nature, as shown.

73,116. PERFUME ATOMIZER OR ARTICLE OF SIMILAR NATURE. ABRAHAM L. WAGNER, New York, N. Y., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Filed May 21, 1927. Serial No. 22,121. Term of patent 3½ years.



The ornamental design for a perfume atomizer or article of similar nature, as shown.

73,117. BOBECHE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 15, 1926. Serial No. 17,305. Term of patent 3½ years.



The ornamental design for a bobeche, as shown.

73,118. BOTTLE. ALBERTIS E. WRIGHT, Chicago, Ill., assignor to A. E. Wright Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1927. Serial No. 21,629. Term of patent 7 years.



The ornamental design for a bottle as shown.

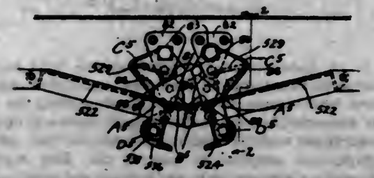
PATENTS

GRANTED JULY 19, 1927.

1,635,982. ELASTIC COMPOSITION FLOOR. FREDERIC E. BOELKOW, Wauwatosa, and FRIEDRICH WILHELM OTTO LIETING, North Milwaukee, Wis., assignors to Durable Floor Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 20, 1926. Serial No. 82,579. 5 Claims. (Cl. 94—19.)

1. An improved composition for floors formed as a mixture substantially in the proportions stated of wood flour, magnesite, white silica, and flake asbestos, saturated with magnesium chloride, and adapted while plastic to be pressed into place.

1,635,983. CAR-DOOR-LOCKING MEANS. ARGYLE CAMPBELL and ALBERT E. ZIMMER, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 26, 1921, Serial No. 495,665. Divided and this application filed June 26, 1925, Serial No. 39,632. Renewed June 2, 1927. 8 Claims. (Cl. 105—308.)



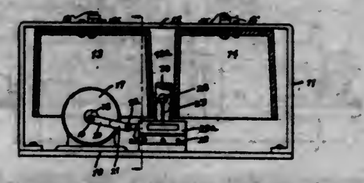
1. In a car having a door opening defined by fixed hopper sheets, and a pivotally mounted hopper door, the door extending transversely of the car and oscillatable about a transversely fixed axis, the combination with laterally extended fixed projections on each side of the car adjacent the corresponding free edge of the door when the latter is in closed position; of latching elements duplicated at opposite sides of the car, pivotally mounted on the door and co-operable with said fixed projections to lock the door in closed position; and common operating means for locking said elements in operative position and also for disengaging them from said projections.

1,635,984. REVOLVER HOLSTER. KATHERINE CORRISTON, Westerleigh, N. Y., assignor to William S. Swift, New York, N. Y. Filed Feb. 7, 1925. Serial No. 7,504. 3 Claims. (Cl. 224—2.)



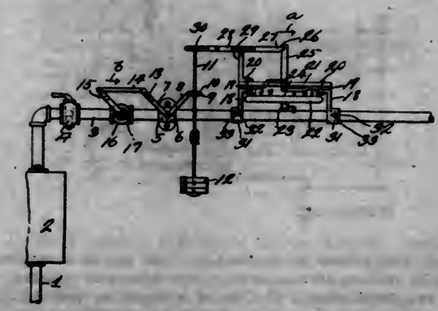
1. A revolver holster having a lower pocket like section containing the free end of the barrel; an upper half open, or winged section embracing the main body of the revolver, but leaving the handle free; a plate bridging the ends of the wings of the said upper section, and having a recess towards the open end of the holster for receiving the trigger guard and a seat for said trigger guard at the bottom of the recess; and spring pressed latch means pivotally mounted upon said bridge plate for engagement over the trigger guard to retain the same on the said seat.

1,635,985. NOISE-MAKING ALARM. FRANK DAVIS, Brooklyn, N. Y. Filed July 30, 1925. Serial No. 47,037. 6 Claims. (Cl. 177—288.)



6. In an alarm mechanism, a base, a frame-work rising from said base, a pair of gong-like sound producers suspended from said frame-work above said base and spaced slightly apart, a reciprocable actuator beneath said sound producers, guide means mounted on said base to operatively mount said actuator for reciprocable sliding movement in horizontal plane, an upstanding resilient striking arm carried by said actuator to extend upwardly between said sound producers and arranged to vibrate in vertical plane, said arm having an impactor on its free end, a comparatively high speed electric motor having a crank member in connection with its armature shaft, a connecting rod between said crank member and said actuator, all whereby said actuator is rapidly reciprocated to vibrate said resilient arm and forcefully move said impactor in alternate sounding contact with said sound producers.

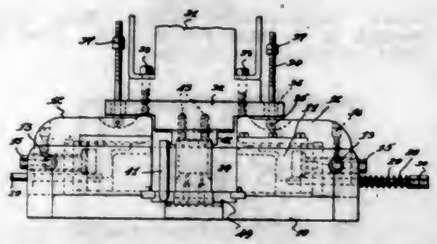
1,635,986. GAS CUT-OFF. FRANK EDWARD ERBE, Pontiac, Mich. Filed Jan. 18, 1927. Serial No. 161,790. 2 Claims. (Cl. 67—116.)



1. The combination with a gas supply pipe, a cut off valve carried by said pipe, of a thermostat control for closing said valve, said thermostat control comprising an annular thermostat above the pipe, brackets carried by the pipe for supporting said thermostat, said brackets being movable towards and away from each other, arms extending inwardly from opposite sides of the thermostat, a vertically disposed trip lever, said last named arms being pivotally connected to the trip lever at spaced points, an upwardly extending bracket carried by one side of the thermostat, a rock lever carried by said last

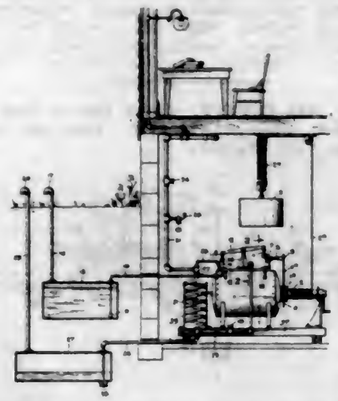
named bracket and having one of its ends disposed in a recess in the trip lever, a weight suspended from the other end of the rock lever, a bell crank lever carried by the pipe, said weight being also suspended from one arm of the bell crank lever, an arm carried by the valve and a link connection between the other end of the bell crank lever and the arm carried by the valve.

1,635,987. CLOSING-IN MACHINE. WILLIAM FIEGEL and WINFIELD S. ENDERICH, Detroit, Mich., assignors to Bohn Aluminum and Brass Company, Detroit, Mich., a Corporation of Michigan. Filed May 24, 1926. Serial No. 111,400. 18 Claims. (Cl. 153—48.)



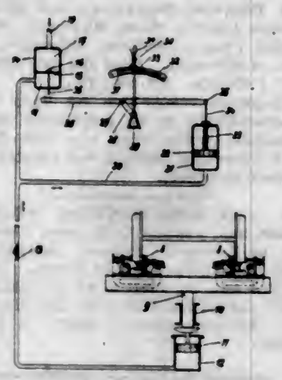
1. A fixture for closing-in a semi-cylindrical bearing or like segment having flanged ends comprising a die for holding the bearing and a movable ram for closing-in the same, means movable to a position adjacent the flanged ends of the segment for preventing distortion of said flanged ends during the close-in operation, and means responsive to the movement of the ram for actuating the said means.

1,635,988. METHOD OF MAKING AIR GAS. HANS FOERSTERLING, Jamesburg, N. J. Filed Mar. 5, 1925. Serial No. 13,068. 13 Claims. (Cl. 48—219.)



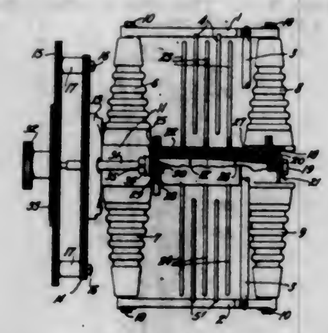
1. The method of producing an air gas of a substantially uniform heating value, which comprises exposing in a vaporizer without the use of a flame for heating the vaporizer, a moving thin stream of gasoline at atmospheric temperatures to a current of air of low pressure in counterdirection and in quantities substantially not greater than are required for deriving a predetermined heating value of the resulting air gas, regulating the quantity of gasoline independently of the current of air to obtain an air gas of said predetermined heating value, maintaining such regulation independently of the rate of consumption of the resulting air gas, and recovering from the vaporizer the unvaporized portion of the gasoline.

1,635,989. FLUID-PRESSURE REGULATOR. ERNST FAÖLICH, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Hannauer Car Retarder Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1925, Serial No. 32,300, and in Germany May 28, 1924. 6 Claims. (Cl. 303—59.)



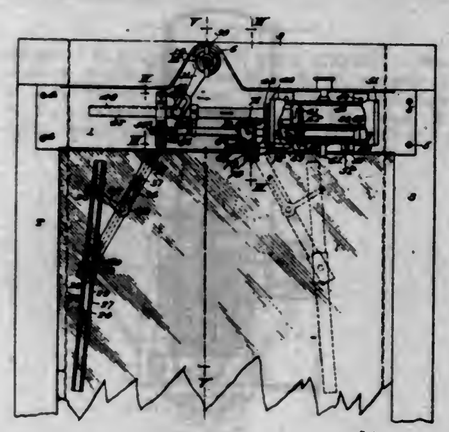
1. In an apparatus for controlling the fluid pressure: a combination of a fluid container having a supply of pressure fluid thereto and means for regulating the supply of the pressure fluid to the container, with an operating lever arranged outside and independent of the said fluid container, but adapted to control the fluid regulating means, and an adjustable hand lever hinged outside of the fluid container and adapted to shift the fulcrum of the said operating lever, a cylinder separated from or communicating with the said fluid container, and a spring pressed piston within said cylinder, and connected with the said operating lever.

1,635,990. ELECTROSTATIC CONDENSER. JOHN O. GARDAN, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1924. Serial No. 734,194. 6 Claims. (Cl. 175—41.5.)



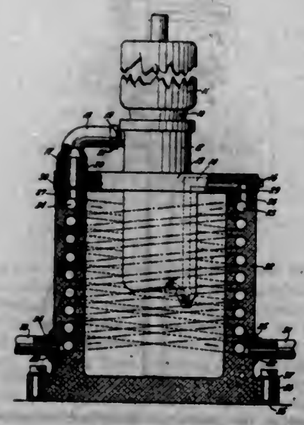
1. In a variable air condenser, a supporting member, a frame mounted thereon, stationary condenser plates supported by said frame, other plates adapted to be moved in overlapping relation with the stationary plates, a spindle supported by said member and supporting the movable condenser plates, and a gearing device for rotating the movable plates on said spindle and including means for eliminating backlash.

1,635,991. APPARATUS FOR CLEANING WINDOWS. LOUIS HACHENBERG, Throggs Neck, N. Y., assignor of one-half to William Brady, Ossining, N. Y. Filed Dec. 11, 1925. Serial No. 74,792. 6 Claims. (Cl. 15—253.)



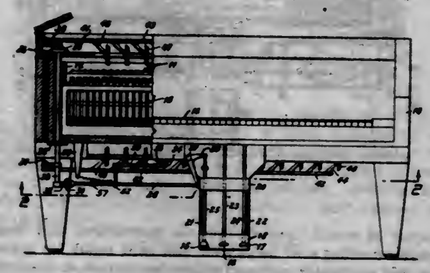
1. An apparatus for cleaning windows comprising, a plate adapted to be fixed to a window frame and provided with a tubular bearing, a sleeve journaled in said bearing, an arm fixed on said sleeve, a shaft mounted to rotate with the sleeve, a wiper arm carried by said shaft, means on said wiper arm pivotally supporting a cleaning element, a device pivoted on the wiper arm and having abutments arranged to be engaged by the upper end of the cleaning element to arrest and limit its movement in opposite directions, and mechanism coacting with the arm on the sleeve for oscillating the shaft and wiper arm.

1,635,992. ELECTRON-DISCHARGE DEVICE. ARTHUR HADDOCK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1924. Serial No. 741,530. 4 Claims. (Cl. 250—27.5.)



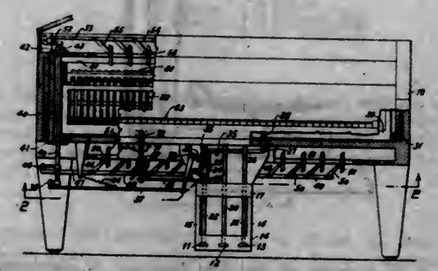
1. In combination, an electron discharge device, a water jacket having a flange, said flange having a recess, a support for said jacket, comprising a molded frame surrounding said jacket and having a helical passage formed therein, and means for providing a fluid tight connection between said recess and said passage.

1,635,993. MODIFYING DEVICE FOR MODULATION CONTROL. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Apr. 2, 1925. Serial No. 20,111. 10 Claims. (Cl. 84—182.)



2. In a musical instrument, the combination of means for reducing the volume of sound effectively produced by the instrument, a manual control therefor, means operatively interconnecting said sound reducing means and said control arranged so that movement of said control in one direction reduces and in the opposite direction increases the effective volume of sound, and a manual device acting on said interconnecting means to interchange the direction of movement of said sound reducing means with respect to said first named manual control.

1,635,994. PIANO-MODULATOR-CONTROL DEVICE. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Apr. 8, 1925. Serial No. 21,483. 16 Claims. (Cl. 84—182.)

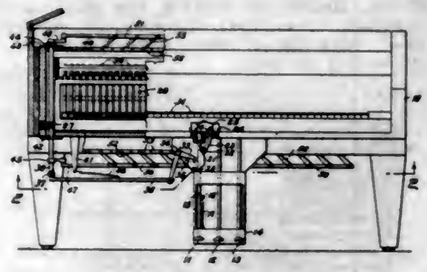


11. In a musical instrument having hammer control mechanism and a pedal for controlling said mechanism, a plurality of shutters for varying the volume of sound emitted from said piano, and means interconnecting said shutters and said pedal for actuating said shutters independently of, or simultaneously with, said hammer control mechanism selectively.

1,635,995. SUCCESSIVELY-OPERATED TONE CONTROLS. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed May 5, 1925. Serial No. 28,167. 13 Claims. (Cl. 84—182.)

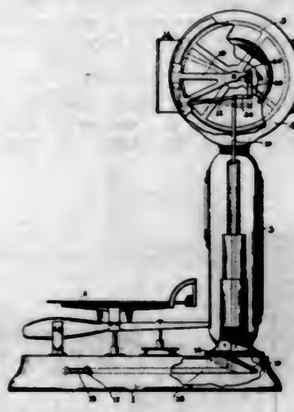
2. In a musical instrument having a percussive action for producing sound, a pianissimo mechanism for con-

trolling said percussive action to vary the amplitude of sound produced thereby, a pedal for controlling said pianissimo mechanism, a tone modulator for varying the



volume of sound emitted from the instrument, and means interconnecting said modulator and said pedal for actuating said modulator and said pianissimo action successively.

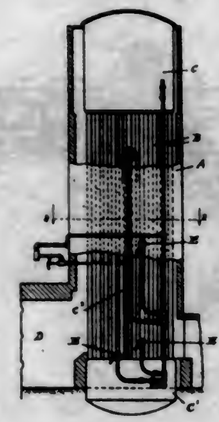
1,635,996. WEIGHING SCALE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed June 3, 1920. Serial No. 386,305. 10 Claims. (Cl. 88—1.)

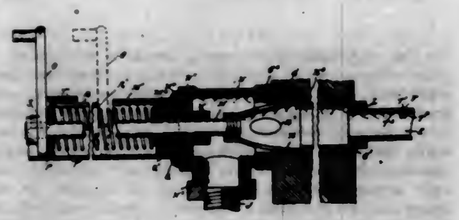


1. In a device of the class described, in combination, a chart having a plurality of optically dis-similar sets of value characters, a scale for each set of characters, and means for selectively bringing each set of characters and its co-operating scale into prominence.

1,635,997. BOILER-CLEANER CONSTRUCTION. SAMUEL J. HERMAN, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Dec. 2, 1918, Serial No. 264,933. Renewed Dec. 30, 1925. 6 Claims. (Cl. 122—392.)

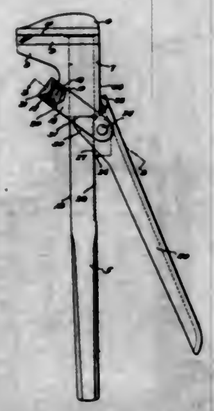
1. In a boiler cleaner, the combination with a rotatable blower pipe having discharge orifices, of a mounting slidably and rotatably carrying said pipe and adapted to admit steam thereto, a stem projecting rearwardly from said pipe extending exteriorly of said mounting, a sleeve enclosing said stem carried by said mounting, said sleeve being formed with intersecting longitudinal and circumferential slots, and a crank carried by said stem whereby the blower pipe may be rotated, movable





in the longitudinal slot during sliding of the blower pipe, and in the circumferential slot during rotation of said pipe.

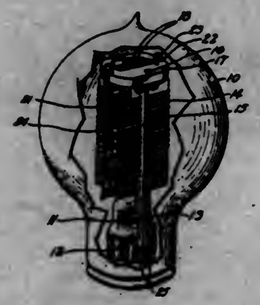
1,635,998. TOOL. EDWARD HOGE and FRIEDRICH KARL HOGE, Philadelphia, Pa. Filed Feb. 15, 1926. Serial No. 88,274. 12 Claims. (Cl. 81—87.)



1. A tool of the character described including a shank having a toothed rack and a jaw said shank having a free extended end forming a hand grip; a jaw carriage on the shank; a device having a portion adapted to intermesh with the teeth of said shank rack; a spring-controlled means for holding said portion of said device in mesh

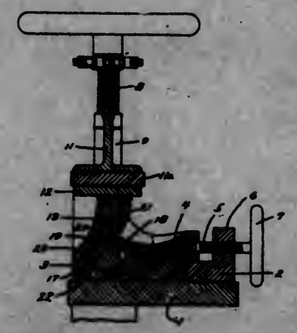
with any of the parts of the shank rack; and a lever having a bearing on said device and having a free sliding contact cam effective, when the lever is operated, to move said jaw carriage along said shank toward said first jaw for clamping purposes.

1,635,999. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,734. 5 Claims. (Cl. 250—27.5.)



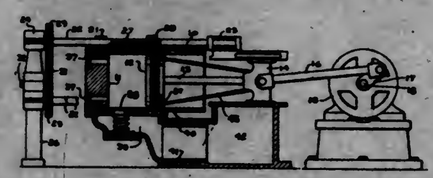
3. An electron discharge device comprising an insulating block having an elongated aperture, resilient members mounted in said block at either end thereof and passing through said aperture, and a filament supported by said members.

1,636,000. MACHINE FOR FORMING LEATHERS FOR POOL POCKETS. GUSTAV A. JAEGER and AUGUST F. JAEGER, Morrison, Ill., assignors to Perfect Pool Pocket Irons Company, Morrison, Ill. Filed July 18, 1924. Serial No. 726,886. 1 Claim. (Cl. 69—8.)



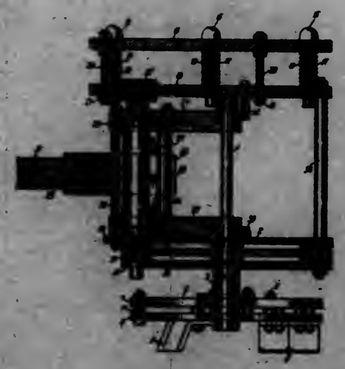
In a machine for the formation of a pool pocket iron leather, including a body portion and appended parts, a suitable baseplate; a die-block fixed thereon, and provided with faces assisting in the formation of said body portion and appended parts; wing members at the ends of said body forming face, limiting the movement outwardly of the material contained therein; a die member movable with relation to one of the other faces thereof, and means for giving thereto a clamping action, the engaging face of said movable member conforming to that of said fixed member; and a movable die member and means for causing the same to engage said fixed member under force, the engaging face thereof conforming to the adjacent face of said fixed member.

1,636,001. BLOWING ENGINE. ALEXANDER T. KASLEY, Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 18, 1924. Serial No. 726,775. 15 Claims. (Cl. 230—27.)



1. In a pump comprising a piston adapted to reciprocate in a cylinder provided with a head, a plurality of nut members carried by the cylinder, screws adapted to operatively engage the nuts, and means including a gear train to simultaneously rotate the screws, whereby the position of the cylinder may be adjusted with respect to the piston.

1,636,002. CLEANING DEVICE. WILLIAM J. KENT, Brooklyn, N. Y., assignor to The Mechanical Rubber Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 11, 1923. Serial No. 668,032. 6 Claims. (Cl. 15—77.)



1. In a device for cleaning between opposed surfaces, a frame, opposed bearing means and cleaning means carried thereby, and resilient means carried by the frame adapted to project said bearing means and cleaning means outwardly of the frame.

1,636,003. BRAKE SHOE. LUDGER ELIZE LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1926. Serial No. 110,832. 5 Claims. (Cl. 188—250.)



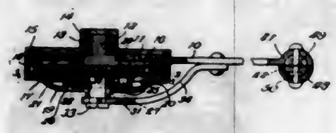
4. A brake shoe comprising, in combination, a cylindrical band, and a channel-section part secured to said band and forming stiffening means therefor and having its sides extended beyond the end of said band to form a pair of projecting arms, said arms being provided with openings at their ends to embrace a pivot and with openings near the end of the band for the pivot of a shoe overlapped thereby.

1,636,004. BRAKE. LUDGER ELIZÉ LA BRIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1926. Serial No. 110,833. 9 Claims. (Cl. 188—250.)



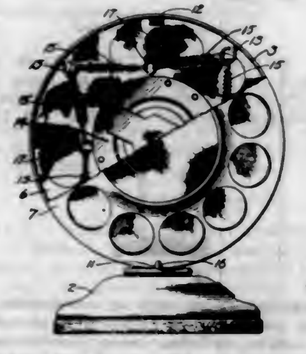
5. A brake shoe having at least at its end two spaced stiffening webs each consisting of two flanges secured together, one of each two flanges having an opening and the other being drawn out to form a tubular boss coaxial with respect to the opening, the opening and boss giving spaced bearing surfaces to be journalled on a pivot.

1,636,005. SHOCK ABSORBER. EDWARD L. LEINBACH, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,184. 10 Claims. (Cl. 188—130.)



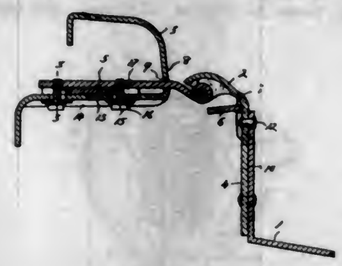
1. A shock absorber including a casing having a predetermined amount of fluid confined therein, a friction disc, a flexible friction element co-operating with the said disc, there being a fluid chamber across which the said flexible element extends, and means for causing the fluid to operate against the said element to force the latter against the said disc to increase the friction therebetween.

1,636,006. TELEPHONE TRANSMITTING MOUNTING. GEORGE R. LUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1922. Serial No. 591,016. 6 Claims. (Cl. 179—179.)



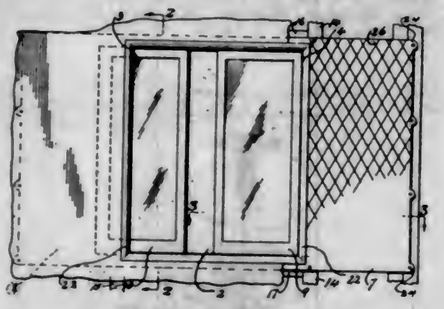
1. A transmitter mounting comprising an enclosure having a perforated band of cylindrical form, a perforated closure for each end of said band, a fine mesh screen completely lining said band and said closures and shock-absorbing means supporting said transmitter within said enclosure and out of contact therewith.

1,636,007. HINGE CONSTRUCTION. WILLIAM MARSHALL, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 24, 1926. Serial No. 111,420. 8 Claims. (Cl. 16—135.)



4. In combination, a pillar having a substantially flat web, and a lateral flange at one edge of said web, a hinge having pivotally connected sections, one of said sections extending through said flange and across said web, and securing means for said hinge including a headed element extending transversely of said web and threadedly engaging said hinge section.

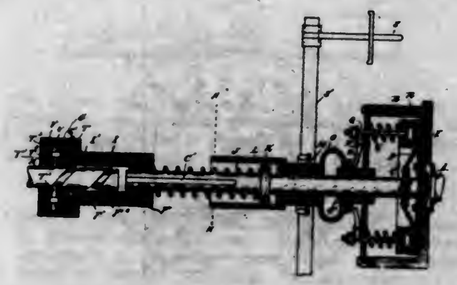
1,636,008. METALLIC CLOSURE STRUCTURE. ROBERT R. MILES, Los Angeles, Calif. Filed July 6, 1926. Serial No. 120,703. 7 Claims. (Cl. 20—52.1.)



1. In combination with a wall having an opening therethrough, and having recesses in one face thereof on opposite sides of said opening, a frame fitted into said opening and having pockets each of the same depth as said recesses and seated in said recesses, and closures for said opening slidable in said frame into and out of said pockets, each of said pockets having one face only in contact with the recessed face of said wall.

1,636,009. TORQUE TRANSMISSION MECHANISM. RAYMOND S. MILLER, Detroit, Mich. Filed Aug. 16, 1924. Serial No. 732,537. 3 Claims. (Cl. 192—56.)

1. A torque transmission mechanism comprising driving and driven shafts, one being provided with a longitudinal groove and the other with a spiral groove, a sleeve surrounding said shafts having a spline engaging said longitudinal groove, and a radially extending pin engaging said spiral groove, a collar on said driving shaft, a spring sleeved on said shaft intermediate said collar and said sleeve, a clutch having driving and driven elements, the latter elements being connected to said driving shaft,



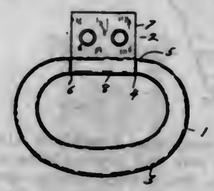
and a release lever for said clutch actuated by a predetermined longitudinal movement of said sleeve against the tension of said spring.

1,636,010. BOOTJACK. WILLIAM G. MOLAND, Philadelphia, Pa. Filed Apr. 23, 1926. Serial No. 104,004. 10 Claims. (Cl. 132—6.)



1. A boot jack comprising a body portion provided with a heel engaging recess in the forward end thereof, said body portion having recesses in the under side and means adapted to be positioned within said recesses and to be extended therefrom to a fixed position to support the body portion in an inclined position.

1,636,011. HANDLE ASSEMBLY. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 7, 1924. Serial No. 704,897. 5 Claims. (Cl. 29—148.)



1. In a handle assembly, the combination with a handle comprising a tubular member having spaced end portions extending toward each other, and a second member telescopically engaging said end portions and cooperating therewith to form shoulders, of a support for said handle engaging one of said members and also engageable with said shoulders to limit the relative movement of said handle and support.

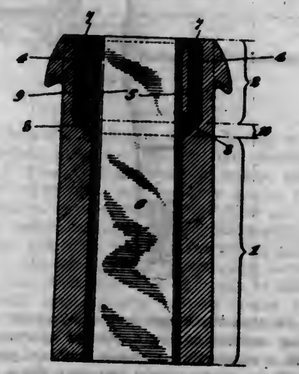
4. In the manufacture of a handle assembly, the curving of tubing to shape and inturning of its end portions toward each other, the insertion of the ends of a rod within the inturned end portions of the tubing and securing of the rod to the inturned end portions, and the mounting of a clip upon the rod and between the ends of the inturned end portions.

1,636,012. PISTON RING. JOHN A. OLSON and ERNEST R. HELLMAN, Detroit, Mich. Filed May 17, 1926. Serial No. 109,741. 15 Claims. (Cl. 74—109.)



1. A piston ring provided with a sharp annular lower edge adapted to contact with the cylinder wall, a series of slots extending through the ring between the outer and inner surfaces thereof and a drilled hole extending from a point adjacent said edge to one of said slots.

1,636,013. PERMANENT HOT-TOP MOLD. JOHN E. PERRY, Sharon, Pa. Filed Jan. 22, 1926. Serial No. 82,892. 6 Claims. (Cl. 22—139.)



1. As an article of manufacture, an ingot mold comprising a body portion having heat absorbing walls over the major length thereof, with an end portion provided with a heat insulation zone, and a graduated heat absorbing zone between the full chill portion of the mold and the full heat insulated portion thereof.

1,636,014. COMPENSATOR FOR CARTON CONVEYERS. GEORGE A. ROBINSON, Battle Creek, Mich., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass., a Corporation of Massachusetts. Original application filed Oct. 16, 1922, Serial No. 594,796. Divided and this application filed Jan. 9, 1926. Serial No. 80,254. 15 Claims. (Cl. 271—62.)



1. In a feed for carton blanks or the like, a transfer mechanism, and a conveyer delivering thereto under pressure, a pawl and ratchet drive for the conveyer, means

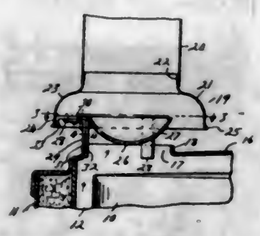
for actuating the drive at predetermined pressure, and means for resetting the pawl to maintain the delivery pressure constant after reduction through transfer.

1,636,015. ELECTRON-DISCHARGE DEVICE. VICTOR L. RONCI, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 27, 1923. Serial No. 634,978. 3 Claims. (Cl. 250—27.5.)



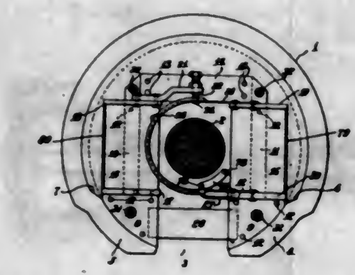
1. In an electron discharge device, a metallic standard, an insulating member having a pair of apertures carried thereby and a supporting member bent to provide two parallel portions, each of said portions lying in one of said apertures, a head on one of said portions engaging said insulating member whereby movement of the supporting member relative to the insulating member is prevented, and an electrode supported by said member.

1,636,016. DRAFT HOOD FOR HOT-WATER HEATERS. FRANK W. SHUELL, ELMER E. LEDBETTER, and THOMAS J. TOBEY, Detroit, Mich., assignors to Everhot Heater Company, Detroit, Mich., a Corporation of Michigan. Filed July 12, 1926. Serial No. 121,920. 10 Claims. (Cl. 126—299.)



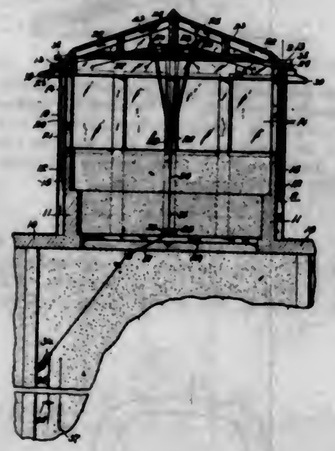
1. The combination with a heater having an exhaust opening for the products of combustion, of a draft hood above said opening having an outlet opening as great in area as said exhaust opening, and a downwardly rounded baffle within said hood spaced from said exhaust opening and in alignment therewith, said hood having a flaring portion surrounding said baffle and spaced therefrom to form a passageway as great in area as said outlet opening, and said flaring portion terminating in a portion spaced from said heater to provide an opening as great in area as the combined areas of said outlet opening and said exhaust opening.

1,636,017. MAGNETO. WILLIAM F. SMITH, Poughkeepsie, N. Y., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Filed Dec. 5, 1924. Serial No. 754,114. 18 Claims. (Cl. 123—149.)



1. In a magneto, a shaft, means for rotating said shaft at varying speeds, a magnet carried by said shaft, a stationary armature, contacts in the armature circuit, and means comprising a gear and pinion responsive to the speed at which said shaft rotates for opening said contacts in different rotary positions of said shaft.

1,636,018. SKYLIGHT. IRVING C. STEINBERG, Newark, N. J., assignor to J. Steinberg & Sons, Newark, N. J. Filed May 4, 1922, Serial No. 558,407. Renewed Apr. 7, 1927. 2 Claims. (Cl. 108—16.)



2. A skylight comprising a curb and a housing extending above it, the curb and housing being of substantially the same height, the housing having openings therein, frames extending on the outside of the curb and the housing, curtains slidable in the frames and adapted when raised to close the openings in the housing and also adapted when lowered to lie against the outside of the curb, and fusible means for holding the raised curtains against descent by gravity.

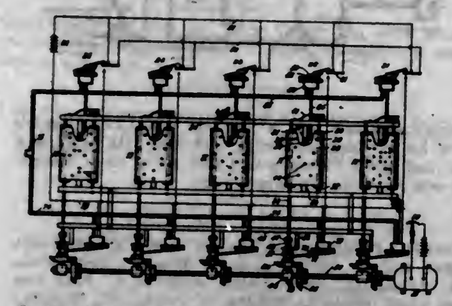
1,636,019. HINGE FOR BAG FRAMES. FRANK T. STUART, Maplewood, N. J., assignor to The R. Neumann Hardware Co., a Corporation of New Jersey. Filed Dec. 8, 1925. Serial No. 73,985. 2 Claims. (Cl. 16—142.)

1. A hinge for the frame-sections of a bag-frame, comprising a pair of hinge-plates, fingers extending from an end-portion of each hinge-plate, one of the fingers of each hinge-plate being of greater length than its adjacent finger, said longer fingers being provided with pintle-receiving eyes, and each pair of fingers having a space between them, a stay-member having portions arranged in



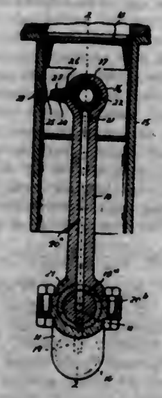
said spaces, said stay-member being provided with a perforation, and a pintle arranged in the eyes of the fingers of the respective hinge-plates and in the perforation of said stay-member.

1,636,020. SYNCHRONIZING MECHANISM. ALBERT D. TRENOR, Gloucester, Mass., assignor to John Hayes Hammond, jr., Gloucester, Mass. Filed Aug. 22, 1922. Serial No. 583,597. 8 Claims. (Cl. 84—119.)



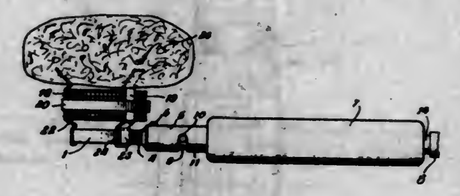
3. An automatic musical instrument comprising player actions for controlling portions of the instrument simultaneously, a common drive therefor, a friction clutch operatively interposed between the drive and each of the actions and normally connecting the drive to the respective action, an electro-magnet for declutching each of the clutches, and a control device periodically controlled by each of the actions and arranged to actuate the respective clutch provided that at least one other control device is inactive.

1,636,021. LUBRICATING MEANS FOR MOTOR-CAR PISTONS. CORNELIUS W. VAN RANST, Detroit, Mich. Filed Apr. 27, 1925. Serial No. 26,263. 14 Claims. (Cl. 74—108.)



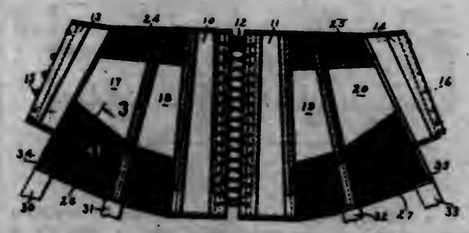
1. The combination with an internal combustion engine comprising a piston, a crank shaft and connecting rod, of a source of lubricant under pressure, said piston having an opening, a discharge nozzle within the piston and spaced from the bounding walls of said piston opening, said nozzle being directed toward said opening, and means for conducting the lubricant from said source through the crank shaft and connecting rod for discharge through said piston opening to lubricate the cylinder wall.

1,636,022. WASHING DEVICE. HUBERT VAN ZANDT, Hinsdale, and BRADFORD EYMAN, Winnetka, Ill. Filed Aug. 6, 1924. Serial No. 730,394. 5 Claims. (Cl. 15—129.)



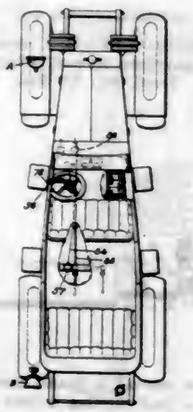
1. In a fountain washer, a handle having a water connection thereto, a head forming a rigid discharge nozzle on the end of said handle, washing means, an attaching device for supporting said washing means in position on said head, in open spaced relation from one side thereof, so that water discharged from said head will be supplied to the object to which the washing means is applied, said attaching device comprising members supported on said head, means on the ends of said members for detachably gripping said washing means, and a soap box in the form of a wire cage removably held in place by said members, in open spaced relation between said head or nozzle and said washing means, whereby to soap the water supplied to said washing means.

1,636,023. CORSET. IRVING R. VERSOY, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn. Filed June 30, 1925. Serial No. 40,653. 7 Claims. (Cl. 2—48.)



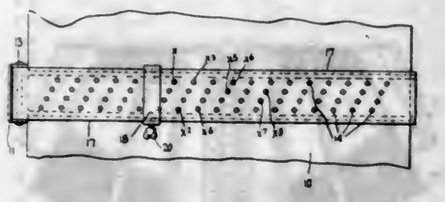
4. A corset comprising front and rear stay sections, a body encircling girdle portion of substantial width constructed of inelastic material and connected to said stay sections, and upper and lower elastic sections adjoining respectively the upper and lower edges of said girdle portion and secured thereto, the upper elastic section being substantially narrower than the lower elastic section, and the latter in turn being substantially narrower at the rear of the corset than the girdle portion, said girdle portion tapering toward the front of the garment so as to be narrower at the front than at the back, and said lower elastic section being wider at the front of the garment than at the back, said front stay sections being substantially shorter than the rear stay sections and extending downwardly to a less degree.

1,636,024. SIGNAL APPARATUS FOR AUTOMOBILES. EDWIN W. VOSE, Beverly, Mass. Filed July 12, 1922. Serial No. 574,475. 7 Claims. (Cl. 177—329.)



1. In a signal device for automobiles, a casing having a lamp compartment therein, an electric lamp in said compartment, said casing having an open front, and light emitting means for closing said front including a part having an arrow therein arranged to be illuminated by said lamp, said arrow having a large head and a relatively small tapered shaft separated from the head by a substantial distance with the small end of the shaft adjacent to the head.

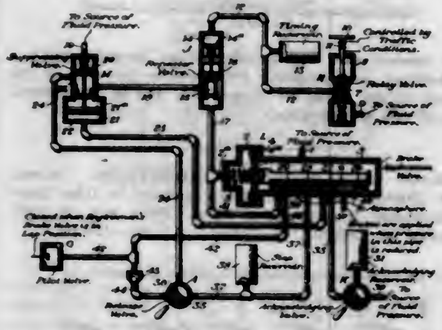
1,636,025. SHEET-METAL-LAYOUT TOOL. GEORGE F. WAELDE, Hillsdale, N. J. Filed Apr. 15, 1926. Serial No. 102,355. 4 Claims. (Cl. 33—189.)



1. A tool of the class described comprising an elongated body provided on one face thereof with a plurality of staggeredly arranged apertures adapted to receive marking elements, marking elements adapted to be arranged in a predetermined number of the apertures of said body to produce a predetermined layout on a workpiece, and a gage device adjustably mounted on said body and adapted to be retained in predetermined position with reference to at least one of the apertures in said body.

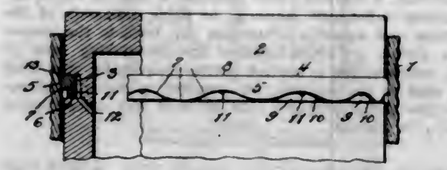
1,636,026. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 24, 1925. Serial No. 58,308. 15 Claims. (Cl. 303—18.)

3. Railway traffic controlling apparatus comprising a brake application valve having a chamber constantly supplied with fluid pressure through a restricted orifice, a normally closed port arranged to be opened when the pressure in said chamber is reduced, a pipe, means responsive to traffic conditions for at times connecting said



chamber with said pipe, a reservoir, a manually operable valve for at times connecting said pipe with said reservoir, and means including said port for at times connecting said reservoir with atmosphere.

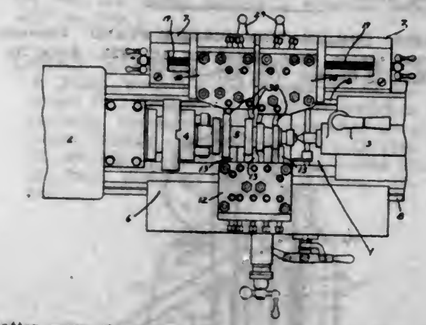
1,636,027. PISTON RING. FRANK H. WALTER, St. Louis, Mo., assignor to Unico Motor Products Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 16, 1923. Serial No. 657,734. 1 Claim. (Cl. 74—109.)



A split resilient piston-ring having an outer peripheral cylinder-wall engaging face and formed at its lower axial end with a circumferential series of contiguous outer peripheral recesses opening both to said peripheral face and to the lower end face of the ring, the upper wall of said series of recesses terminating in approximately the plane of said peripheral face in a circumferentially continuous cylinder-wall scraping edge sinuous in shape circumferentially of the ring disposed obliquely to the line of normal piston travel, portions of said scraping edge being coincident with and in the plane of the lower end face of the ring and the ring being transversely provided at said recesses with ducts opening both to said recesses and to the inner peripheral face of the ring.

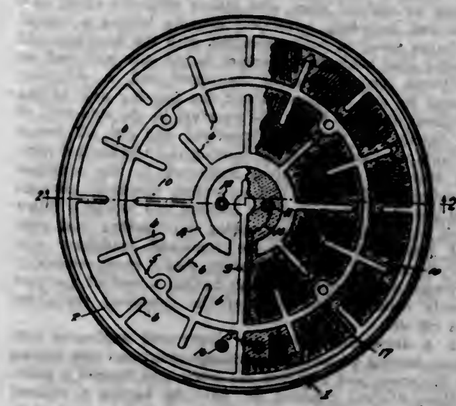
1,636,028. LATHE. WENDELL E. WHIPP, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a Corporation of Ohio. Filed Jan. 21, 1926. Serial No. 82,675. 4 Claims. (Cl. 82—25.)

1. In a lathe, a carriage, rear wings on said carriage, a cross feed screw on the latter, a front tool rest on said carriage for movement in either direction by the cross feed screw, an auxiliary feed screw having a right thread on one rear wing of the carriage, and an auxiliary feed screw having a left thread on the other wing of said carriage, a rear tool rest connected to each auxiliary feed screw for movement thereby along its rear carriage wing, and a power transmitting connection between the cross feed screw and the auxiliary feed screws to turn the



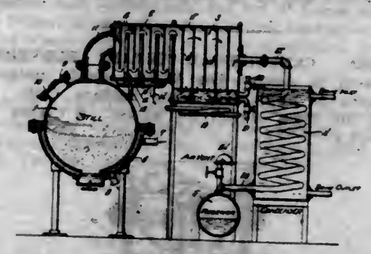
latter move the rear tool rests toward the work when the cross feed screw is turned to move the front tool rest toward said work.

1,636,029. ELECTRICAL HEATING DEVICE. EDWIN L. WIEGAND, Dormont Borough, Pa. Filed Feb. 1, 1923. Serial No. 616,445. 3 Claims. (Cl. 201—64.)
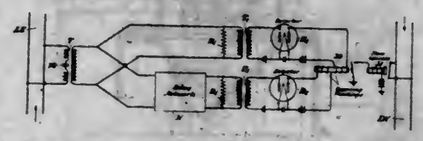


3. An electrical heating unit of the character set forth comprising a base having an annular peripheral flange enclosing a recess, a wall extending radially inwardly from said flange toward the center of the recess, a second annular flange spaced inwardly from the peripheral flange and substantially concentric therewith and dividing the recess into an annular outer portion and a circular inner portion, a third annular flange spaced inwardly from the second flange and concentric therewith, the third flange being interrupted in its circumference and having its ends spaced in opposite directions from said radial wall, ribs extending inwardly from the peripheral flange, ribs extending outwardly from the third flange, and ribs extending inwardly and outwardly from the second flange thereby to divide the annular and circular portions of the recess into a plurality of cells, a body of embedding material occupying each portion of the recess, a pair of terminals embedded within the material occupying the outer portion of the recess and situated one on each side of and adjacent to the radial wall, a resistor element of serpentine shape extending from one of the terminals in a tortuous course throughout the outer portion of the recess to the other terminal, a pair of terminals situated one on each side of the radial wall within the space enclosed by the third flange, and a resistor element extending from one of said terminals through the space between the second and third flanges to the other terminal.

1,636,030. MANUFACTURE OF FURANE. WILLIAM COURTNEY WILSON, Chicago, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 28, 1924. Serial No. 752,530. 13 Claims. (Cl. 260—54.)



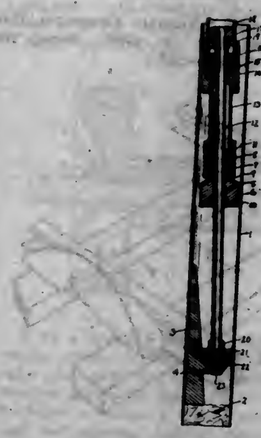
1. A process for the production of furane which comprises heating furoic acid at substantially atmospheric pressure.

1,636,031. VOICE-OPERATED RELAY EQUIPMENT. SUMNER B. WRIGHT, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 6, 1925. Serial No. 67,400. 5 Claims. (Cl. 178—44.)



1. In a voice-operated relay circuit, a path over which voice currents and steady alternating currents may be transmitted, branches for said path, means in each branch for translating alternating voice currents into one-way pulsating currents, a relay having windings differentially associated with said translating means, and means to delay the transmission of currents to the translating means in one branch as compared with the other.

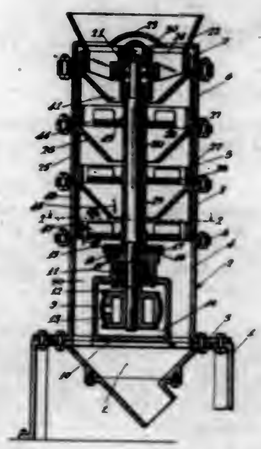
1,636,032. MILLING TOOL. EVERETT W. ABBOTT, Houston, Tex. Filed Feb. 28, 1927. Serial No. 171,592. 8 Claims. (Cl. 255—1.)



1. In a milling tool for use in well drilling, a milling cutter having a central longitudinal opening therein, a drill stem, a collar thereon having a bearing opening

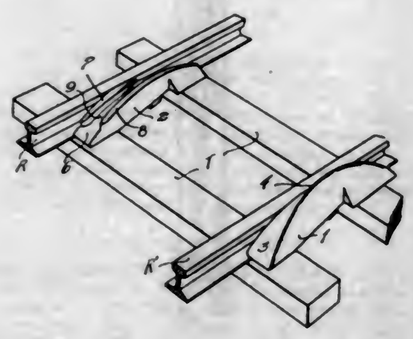
therethrough, means connecting said collar with said milling cutter, a guide barrel extending longitudinally through said collar and said milling cutter and projecting forwardly beyond said milling cutter, and means on said guide barrel to anchor said barrel in an inclined position in a well for the purpose described.

1,636,033. CENTRIFUGAL IMPACT PULVERIZER. FRANCIS E. AGNEW, Los Angeles, Calif., assignor to Minerva A. Brotherton, Santa Barbara, Calif. Filed Mar. 10, 1926. Serial No. 93,600. 2 Claims. (Cl. 83—11.)



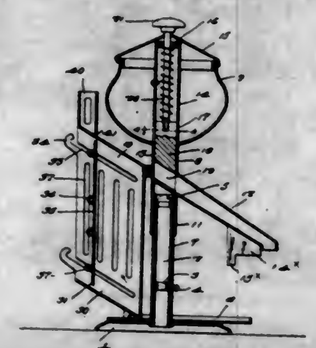
1. In a centrifugal pulverizer, a stationary cylindrical breaker ring, a vertical shaft centrally positioned therein, a horizontal impeller disc mounted thereon, impeller blades attached to the upper surface of the impeller disc adjacent its periphery, said blades having vertical block supports with wearing blades surrounding said supports, wedges between the ends of the supports and the surrounding wearing blades, and screws extending through the impeller disc and engaging the wedges to adjust the position of the wedges and hence the wearing blades radially.

1,636,034. CAR REPLACER. VIRGILIO AMBROGINI, Harrington, Wash. Filed July 19, 1926. Serial No. 123,359. 1 Claim. (Cl. 104—265.)



A car replacer comprising a pair of transferable, outer and inner frog blocks having longitudinally extending flanges conforming to the track rails, and means for clamping said frog blocks at the sides of said rails comprising a draw bar having a socket, a detachable bearing block having a stud in the socket, and a bolt in said bearing block.

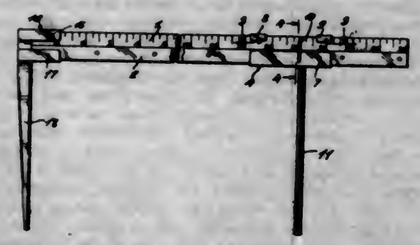
1,636,035. COMBINATION SERVICE STAND. LEONARD AGNES, Quincy, Mass. Filed Nov. 12, 1925. Serial No. 68,626. 2 Claims. (Cl. 221—104.)



1. The combination in a dispensing device, of a base having an upright stem, and means revoluble about said stem and including a vertical housing having a lateral discharge spout in communication with the housing, said housing also having an aperture in its side wall and an apertured closure adjacent its upper end, a container carried by and arranged about the housing and having a bottom disposed below the aperture in the side wall of the housing, a combined transferer and cut off means movable rectilinearly in the housing and held against turning about its axis, a stem connected to the combined transferer and cut off and extending upwardly through said apertured closure of the housing and having a finger piece at its upper end, a spring surrounding said stem and interposed between the combined transferer and cut off and said apertured closure, and a cover removably arranged on the container and having a central aperture loosely receiving the stem of the combined transferer and cut off.

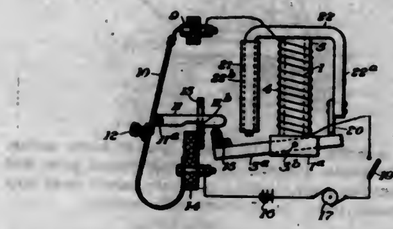
2. A dispensing device for sugar and analogous substance having an inclined discharge spout and also having on the spout and adjacent the lower end thereof a longitudinal vertical pendent fin, said fin having a reduced depending rear portion and being relatively arranged to prevent the immersion of the lower end of the spout in coffee in a cup.

1,636,036. MEASURING DEVICE. WILLIAM O. BARTLETT, Denver, Colo. Filed Aug. 20, 1926. Serial No. 130,465. 1 Claim. (Cl. 33—143.)



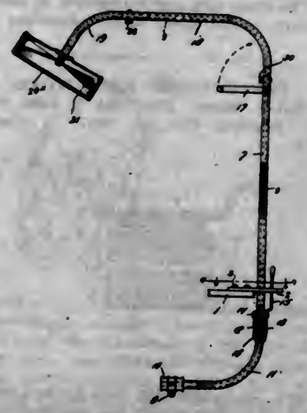
A measuring device comprising, in combination, a wooden bar of rectangular cross-section having a metal strip (3) secured to one side said strip being of the same width as the bar, a narrow metal strip (2) secured to the other side, a cap (12) removably secured to one end of the bar, a rod (18) secured to the cap and extending at right angles to the bar, a slide (4) secured to the bar and movable therealong, a pointer (10) secured to the slide, a rod (11) also secured to the slide and extending parallel with the rod (18) and a spring (10) secured to the slide and having one end in frictional engagement with the strip 2.

1,636,037. OVERLOAD CIRCUIT BREAKER. CHARLES R. BEALL, Swissvale, and ROBERT M. GILSON, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Nov. 12, 1919, Serial No. 337,449. Divided and this application filed Oct. 20, 1923. Serial No. 669,725. 1 Claim. (Cl. 175—336.)



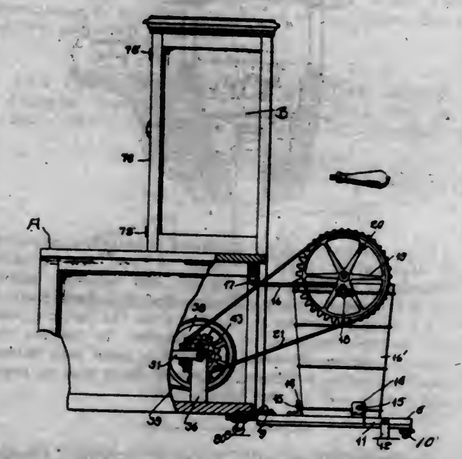
An electromagnetic structure comprising a magnetizable core provided with a sleeve of electro-conductive material and also with a winding, a U-shaped member of magnetisable material attached to one end of said core and having two legs parallel with said core and on opposite sides thereof, an armature pivotally mounted at the other end of said core and co-operating with both of said legs and biased to a position remote from the end of the first of said legs, the air gap between the armature and said first leg then being less than the air gap between the armature and the second leg so that a steady current above a given value in said winding will move the armature towards the first leg, and a sleeve of electro-conductive material around said first leg whereby the greater part of a surge of flux due to a surge of current above said given value will traverse the second leg and the armature and so will tend to hold the armature in its biased position.

1,636,038. FAN INSTALLATION. SAMUEL BOLOZKY, West New York, N. J., and SAMUEL PEARL, Brooklyn, N. Y. Filed Mar. 18, 1926. Serial No. 95,674. 3 Claims. (Cl. 64—30.)



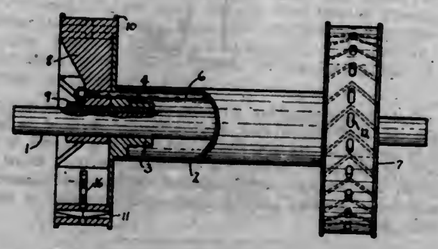
1. In combination, a rotary driving element, an appropriately supported swingable tube, a tube section having a bifurcated portion the arms of which are disposed at opposite sides of and are pivotally connected to the first-named tube, and also having one of said arms merged into a hand lever, said lever of flexible or resilient character, a flexible shaft extending through and rotatable in the tube and said section, a pulley on said shaft and adapted to be moved by movement of the swingable tube sections into and out of engagement with the rotary driving element, and an appropriately supported element having a rack for cooperation with said resilient lever.

1,636,039. CHURN. DELOSS BOSLAND, Charleston, Miss., assignor of seven-eighths to Abe Isenberg and Myer Isenberg, Charleston, Miss. Filed Sept. 5, 1924. Serial No. 736,120. 3 Claims. (Cl. 259—1.)



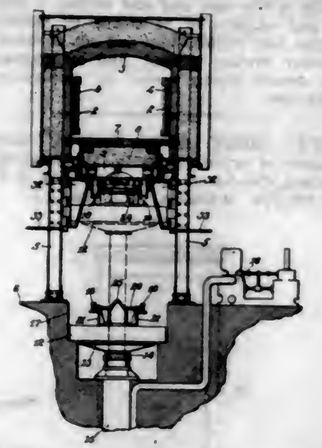
1. In a device of the class described, a cabinet, a platform door hinged at its bottom to the bottom of the cabinet, said door provided in its side edges with notches, legs pivotally mounted in said notches, means for supporting and holding an agitator device on the platform door, a shaft rotatably mounted on the cabinet, means in the cabinet for operating the shaft, and a chain operable by the shaft for operating the agitator device.

1,636,040. AIR-COOLED HOISTING REEL. BURWELL BOYKIN, Jr., Beaumont, Tex. Filed Mar. 19, 1927. Serial No. 176,674. 4 Claims. (Cl. 188—264.)



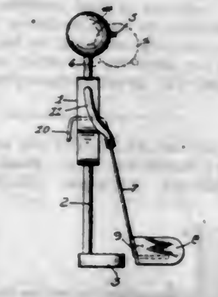
3. In a hoisting device, a frame, a reel mounted to rotate therein, a brake drum on said reel including an outer rim, said rim having lateral air openings therein directed forwardly from the center line thereof in the direction of rotation, there being outlet openings from said air openings leading outwardly, openings of comparatively larger diameter directed inwardly, and a brake band on said drum having openings therethrough to allow passage of air.

1,636,041. ELECTRIC FURNACE. HARRY O. BERGERE, Winthrop, Mass. Filed Feb. 9, 1923. Serial No. 618,149. 11 Claims. (Cl. 204—64.)



1. An apparatus of the character described, comprising, in combination, parts arranged to form an enclosure adapted to confine a body of gas, said enclosure including a furnace having walls supported in a fixed position and a bottom movable to open or close the furnace, electric resistors mounted in said furnace for heating the furnace, and an elevator arranged to raise said bottom into cooperative relationship to said walls and to lower said bottom out of such relationship.

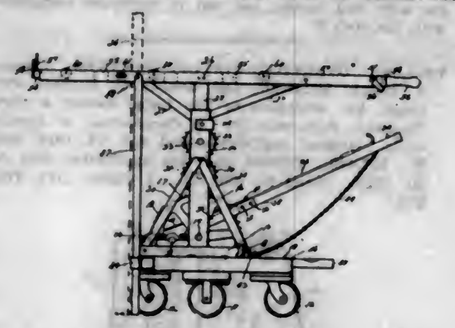
1,636,042. FIGURE TOY. FRANK E. BUCKBERG, Chicago, Ill. Filed June 21, 1926. Serial No. 117,521. 3 Claims. (Cl. 46—40.)



2. A toy, comprising a body portion, a head portion and leg portions, a golf stick pivotally secured to said body portion at its upper end and having a handle in the rear of the body portion for swinging the stick about its pivot, and flexible arms attached to said body portion and being secured to said stick and arranged to move with it.

1,636,043. HAND TRUCK. JOSEPH CHVOJKA, Philadelphia, Pa. Filed Oct. 5, 1925. Serial No. 60,471. 3 Claims. (Cl. 254—3.)

1. A hand truck including a wheel supported body, uprights on said body, a platform swingingly mounted between the uprights and a train of gears for transmitting motion to the platform, one of said gears including ratchet teeth sections, in combination with an operating lever pivotally mounted on the body and including a yoke, a spring actuated pawl for coaction with one of the ratchet teeth sections, means carried by the operating lever for moving the pawl against the action of the spring, another spring actuating pawl located between the



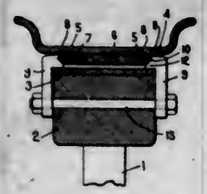
body for coaction with the other ratchet teeth section and flexible means attached to the last named pawl and to the operating lever whereby said last named pawl may be disengaged from its ratchet teeth section.

1,636,044. OUTSOLE FOR SHOES. EDWARD R. CONNELLY, Boston, Mass. Continuation of application filed Nov. 4, 1921, Serial No. 512,711. This application filed Oct. 2, 1925. Serial No. 60,100. 3 Claims. (Cl. 36—71.)



1. As an article of manufacture, an outsole for a shoe provided with a dome-like integral protuberance projecting upwardly from and above the upper surface thereof at the widest portion of the sole to furnish support for the anterior arch of the foot of the wearer and extending lengthwise of said outsole for a relatively short distance with its front and rear extremities in substantially close proximity to the center of said dome-like protuberance.

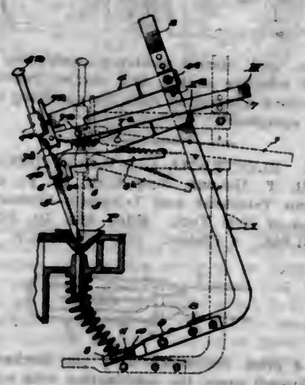
1,636,045. DEMOUNTABLE RIM. WALTER E. COPITHORN, Natick, Mass. Filed Oct. 2, 1920, Serial No. 414,308. Renewed Feb. 15, 1927. 1 Claim. (Cl. 301—20.)



In a wheel, the combination with a wheel body having a felly-band, of a demountable rim provided on its inner face adjacent each edge with a locking rib having a rounded side face, locking means on each side of the wheel body to co-operate with the corresponding rib,

each locking means including a member having two jaws with inclined faces, the face of one jaw engaging its rib at a point outside the median line of the rib, the inclined face of the other jaw engaging the rib at another point inside its median line, said latter jaw of one member at least resting against the outer peripheral face of the felly-band, said member thereby having three points of engagement, two with the rib, and one with the felly-band.

1,636,046. VALVE-SPRING REMOVING AND REPLACING TOOL. CHARLES E. DANIELS, Atchison, Kans. Filed Oct. 15, 1925. Serial No. 62,601. 8 Claims. (Cl. 29—96.3.)



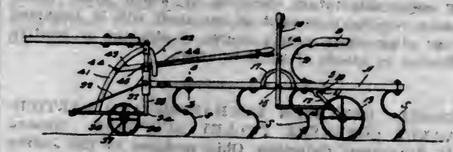
7. A valve-spring removing and replacing tool comprising in combination, a main frame, a bracket adjustable on the main frame, and a rack adjustable in the bracket, adapted to cooperate with a valve-seat protecting plug having a recess for receiving the end of the rack-bar thereby to assist in replacing the spring in position after the valve has been ground.

1,636,047. CALF WEANER. ELISHA R. DAVIS, Hazard, Nebr. Filed May 28, 1925. Serial No. 33,531. 7 Claims. (Cl. 119—132.)



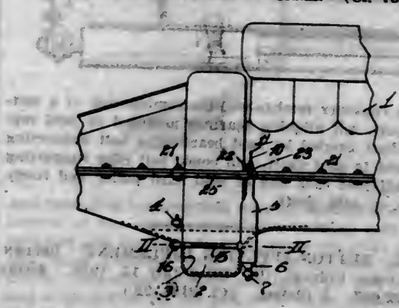
1. A device of the character described comprising side bars, a nose-engaging member connected to the inner ends of the side bars, the outer ends of the side bars being turned back upon themselves and directed inwardly terminating in nostril engaging knobs, a plate embracing the outer ends of the side bars and portions of the said turned back portions, wire rings secured to said plate, and waterproof mesh material suspended from the side bars, and from the rings of said plate and the connection between the side bars and nose-engaging member.

1,636,048. QUACK-GRASS DIGGER. WILLIAM DREFKE, Kensal, N. Dak. Filed Mar. 29, 1926. Serial No. 98,261. 1 Claim. (Cl. 55—36.)



A digging element of the class described including a shank having an ogee shaped body terminating at its upper end in a curved extension lying alongside of and concentric with the upper portion of the shank and terminating in an offset end slotted to receive the intermediate portion of the shank.

1,636,049. OIL INDICATOR FOR GAS MOTORS. CHARLES FORSBERG, St. Louis, Mo. Filed Mar. 24, 1921. Serial No. 455,064. 1 Claim. (Cl. 73—32.)



In an internal combustion motor the combination of a crank case having a horizontally extending apertured flange formed integral therewith, a cylinder arranged vertically and provided at its upper end with a bushing smaller in diameter than the adjacent portion of said end and extending through the aperture in said flange, securing means mounted on the upper end of said bushing for securing said cylinder to said flange, a float mounted in said cylinder, a gage rod borne by said float and extending through and above said bushing, and a tube extending from said crank case to the lower end of said cylinder.

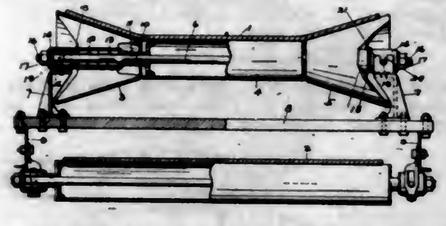
1,636,050. DEVICE FOR DAMPING THE OSCILLATIONS OF MULTIPLE CRANK SHAFTS. HERMANN FÖTTINGER, Zoppot, near Danzig, Free City of Danzig. Filed June 24, 1920, Serial No. 391,518, and in Germany Feb. 8, 1915. 2 Claims. (Cl. 60—54.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A device for damping the oscillations of crankshafts, comprising in combination with a plurality of engines operated at relatively different speeds, a coupling interconnected between opposing ends of aligned shafts of engines adjacently arranged, said coupling comprising a rotary element having enlarged radially disposed blades secured on the end of one engine shaft and a cooperable rotary element providing an enclosing casing for said first rotary element having radially disposed ribs or blades conforming to or complementary overextending the

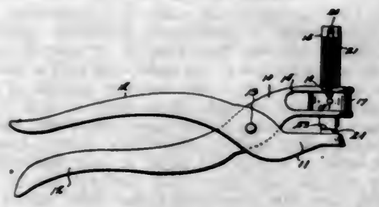
blades of the first rotary element and secured on the opposing end of an adjacent engine shaft, together with means for admitting a fluid into the casing formed by said cooperable rotary elements, by which power under greater velocity movement of one shaft will be imparted to the other shaft with a degree of slippage or relative difference in speeds of shaft rotation.

1,636,051. CONVEYER MECHANISM AND PARTICULARLY CONVEYER PULLEY SUPPORTS. GEORGE D. FRANCISCO, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Oct. 26, 1922. Serial No. 597,189. 2 Claims. (Cl. 198—192.)



1. In a conveyer mechanism, the combination of a suitable support, self aligning bearings mounted on said support, a shaft carried by said bearings, a belt supporting pulley fixed to said shaft, and coned belt edge supporting pulleys adjacent each end of said fixed pulley and freely rotatable on said shaft.

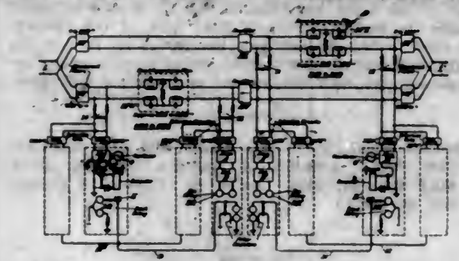
1,636,052. BUTTON-APPLYING IMPLEMENT. BELDEN D. GILLIAM, Chicago, Ill. Filed July 15, 1926. Serial No. 122,667. 3 Claims. (Cl. 218—22.)



1. A button applying implement of the character described comprising opposed jaws having crossed, pivoted handles, one of said jaws being formed with an anvil and the opposite jaw being bifurcated at right angles to the plane of movement of the jaw, a collar disposed in said bifurcation, a plunger slindingly mounted in the collar, the plunger having a longitudinally extending slot, a pin passing through the collar and through said slot, and coiled contractile springs operatively engaged with the collar and with the outer end of the plunger and urging the plunger inward to the extent permitted by said slot, the inner end of the plunger being so formed as to support the button to be applied.

1,636,053. CARRIER-TELEGRAPH REPEATER CIRCUITS. BAXTER P. HAMILTON, River Edge, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 24, 1925. Serial No. 64,685. 10 Claims. (Cl. 178—51.)

1. In a signaling system, a pair of transmission lines interconnected through a common amplifier, so that a plurality of carrier frequencies transmitted from one line to the other in the same direction are amplified by said common amplifier, means for obtaining an intermediate subscriber's drop at the repeater station comprising a bridged circuit associated with the amplifier path, a selective device connected with said circuit for selecting from said amplifier path a carrier frequency incoming from one of said lines without interfering with the transmission of other carrier frequencies over the amplifier path to the



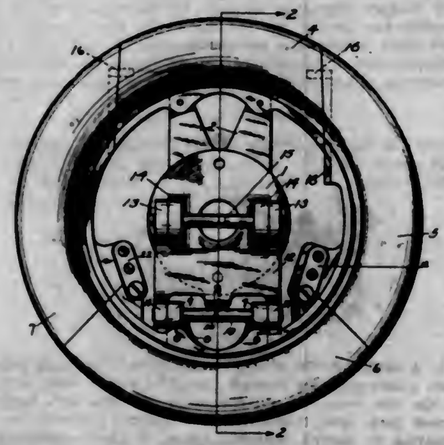
other line, and carrier receiving equipment associated with said selective device, said carrier receiving equipment including a receiving relay for operating local Morse receiving equipment.

1,636,054. ELECTRICAL DISCHARGE DEVICE. WILLIAM H. T. HOLDEN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 10, 1922. Serial No. 551,343. 4 Claims. (Cl. 176—122.)



1. In a lamp characterized by the discharge of electricity through gases, the combination with a transparent gas-tight envelope filled with inert gas and having an active gas also present, of a plurality of normally cold electrodes, and means affixed to one of the said electrodes and activated by the discharge between the said electrodes to change the said active gas to inactive chemical combinations, one of the said electrodes substantially surrounding the other electrode to substantially prevent discoloration of the transparent envelope by the said chemical combinations.

1,636,055. COLLAPSIBLE TIRE-BUILDING FORM. FRANK L. JOHNSON, Akron, Ohio. Filed Aug. 15, 1924. Serial No. 732,285. 19 Claims. (Cl. 154—9.)



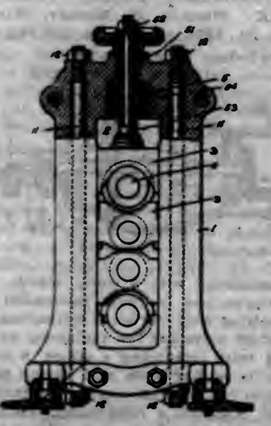
1. A collapsible form for use in building pneumatic tires, comprising a key section held at a fixed distance from the axis of the core and a plurality of hinged sections, the hinged sections being bodily movable as a group to remove the tire from the key section.

1,636,056. COLLAPSIBLE TIRE-BUILDING FORM. FRANK L. JOHNSON, Akron, Ohio. Filed Mar. 30, 1927. Serial No. 179,516. 6 Claims. (Cl. 154—9.)



1. A collapsible tire building form, comprising a plurality of sections, one of said sections being stationary, a carrier, means to hold the carrier in its outermost position and permit its movement toward and from the core axis, a guide for the carrier in which it is movable, movable sections supported by the carrier, and connections to the movable sections adapted to move them inwardly upon movement of the carrier toward the axis of the form.

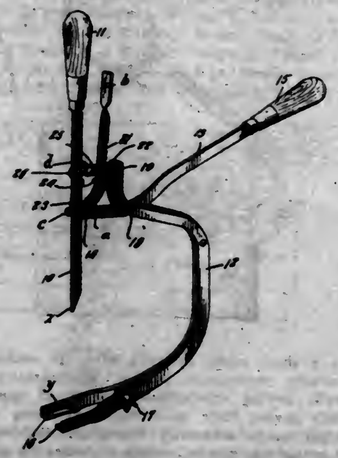
1,636,057. ROLLING MILL. LLOYD JONES, Freeport, N. Y. Filed Apr. 21, 1926. Serial No. 103,526. 3 Claims. (Cl. 80—55.)



1. In a rolling mill a housing provided with an eye, the housing being integral throughout the extent of such eye, and a pair of rolls journalled each at one of its ends within such eye, the housing being reenforced with a pair of tension bolts shrunk to place and extending one on each side of such eye.

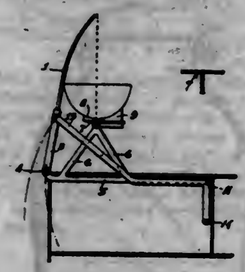
1,636,058. VALVE LIFTER. HUGH I. JORDAN, Staunton, Va. Filed Sept. 19, 1925. Serial No. 57,320. 2 Claims. (Cl. 29—56.8.)

1. In a valve lifter, a support member adapted to engage the head of a valve, in the form of a bar, a spring compressing member in the form of a curved bar, a lever pivotally connected with both of said members having an upward extension from the pivotal connection of the spring compressing member therewith, a link between such extension and said support member forming a pivotal connection between them, and a latch device for maintaining the valve-engaging and the spring-compressing member in adjusting position, comprising a lever



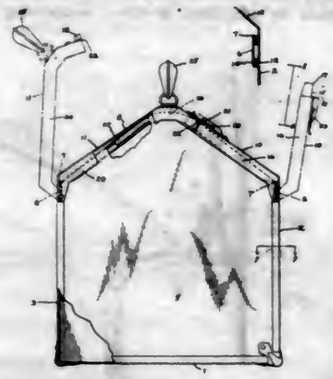
arm extending between said support member and said extension of the spring-compressing member, and crossing said link and having a free end above the link, said lever arm being provided with teeth on its side nearer the pivotal connection between the link and said extension, and a projection on the link with which said teeth may engage.

1,636,059. DEVICE FOR LAUNCHING BOATS ON BOARD OF VESSELS. NICOLAAS VAN WIJCK JURRIAANSE, Baarn, Netherlands. Filed Sept. 23, 1924. Serial No. 739,406, and in the Netherlands July 30, 1924. 11 Claims. (Cl. 9—22.)



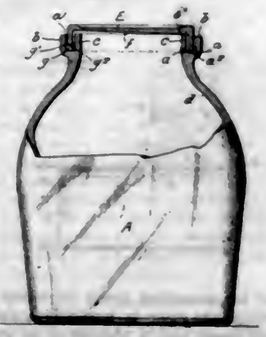
1. A device for launching boats on board a vessel of the type wherein the boat is normally arranged within the side of the vessel and is adapted to be swung beyond the side of the vessel, including a supporting structure positioned longitudinally of the vessel and adapted for vertical swinging movement, davit sockets pivotally mounted on the outer ends of the supporting structure, davit arms rotatable in said sockets and between which the boat is suspended, and movable connecting means between a stationary part of the vessel and the supporting structure for permitting the supporting structure when released to swing downwardly thereby causing the davit sockets to move and the davit arms to rotate outwardly under the influence of the weight of the boat.

1,636,060. TRAVELING BAG. HOWARD L. KENNEDY, Van Wert, Ohio, assignor to Kennedy Manufacturing Company, Van Wert, Ohio, a Corporation of Indiana. Filed Mar. 11, 1926. Serial No. 93,898. 6 Claims. (Cl. 190—41.)



1. In a sheet metal carrying case, in combination, a substantially rectangular bottom, substantially vertical side walls having substantially horizontal upper edges, end walls having their upper edges extending above the side walls in substantially triangular fashion, and a pair of covers adapted to provide a closure for said carrying case, one of said covers being connected in hinged relation to one of said side walls and extending when in closed position toward the tops of said end walls, said cover having an inwardly offset portion extending throughout its length adjacent to its upper meeting edge, the second cover being connected in hinged relation to the opposed side wall and extending when in closed position over the tops of said end walls and over the inwardly offset portion of the first cover, whereby the meeting edges of the two covers are in substantially flush relation when said covers are in closed position.

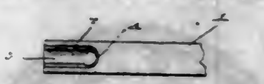
1,636,061. PRESERVING APPARATUS. CARL CHRISTOPH EMIL KERSTEN, Columbus, Ga. Filed July 12, 1924. Serial No. 725,630. 15 Claims. (Cl. 215—56.)



1. A receptacle cover provided with a depending flange, said flange being provided with a substantially triangular notch, the apex of said notch being upwardly and outwardly inclined.

1,636,062. SCALPEL. ALBERT MACLURE, Woonsocket, R. I. Filed Dec. 14, 1926. Serial No. 154,781. 1 Claim. (Cl. 30—9.)

A scalpel for surgical use comprising a handle having a main groove and countergroove formed at one end and in one side, a cutting blade having a cutting edge, a small point, a reduced centralized shank having a rounded head, said shank being fitted into said countergroove and said countergroove being shaped to conform



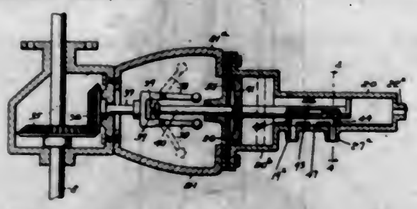
to said shank and head, the opposite longitudinal edges of said main groove being undercut, and a retaining plate fitted slidably into said main groove and having beveled edges cooperating with the undercut portions of the groove.

1,636,063. DISPENSING RECEPTACLE. ALBERT MOSHEIM, East Orange, N. J. Filed July 11, 1925. Serial No. 42,976. 2 Claims. (Cl. 132—83.)



1. A dispensing receptacle of the character described comprising a body having a cover pivotally connected thereto, said body having a contracted upper edge, a chamber arranged within said body having an inverted U-shaped marginal flanged upper edge engaging the contracted upper edge of said body, a head having an upstanding marginal flange frictionally engaging the inverted U-shaped flange of said chamber and inner wall of said contracted portion of said body, said head being provided with a central depression, the vertical walls of said depressions being provided with openings.

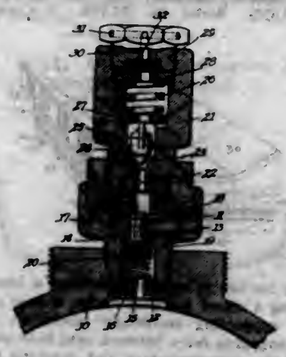
1,636,064. AUTOMATIC CONTROLLING MECHANISM FOR AUTOMOBILES, TRUCKS, TRAILERS, AND THE LIKE. WILLIAM M. MOXLEY, Marceline, Mo. Filed July 30, 1926. Serial No. 125,982. 3 Claims. (Cl. 188—181.)



1. The combination with a motor vehicle, its internal combustion engine and its brake mechanism of a brake cylinder associated with the brake mechanism, a pressure operated shut-off valve for the carburetor of the engine, a controlling valve comprising a casing, a valve in said casing, conduits leading from said casing to the brake cylinder and to the pressure operated carburetor shut-off valve, a fluid reservoir, a compressing means driven by the motor, connected with the reservoir, a conduit leading from the reservoir to the valve casing, a governor, means for driving said governor from the mechanism of the motor vehicle and a connection between the governor and valve whereby the valve moves under the influence of the governor.

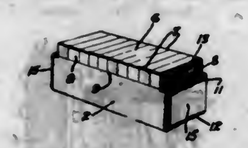
1,636,065. HIGH-PRESSURE GAS VALVE AND SHIPPING PLUG. PHILIP MUELLER, Decatur, Ill., and CHARLES A. HILL, Port Huron, Mich., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 16, 1922. Serial No. 529,798. 9 Claims. (Cl. 137—53.)

3. In a device of the class described, a part having a passage therethrough, a pressure seated valve in said passage, destructible means normally preventing flow past said valve, a second valve controlling the flow past said



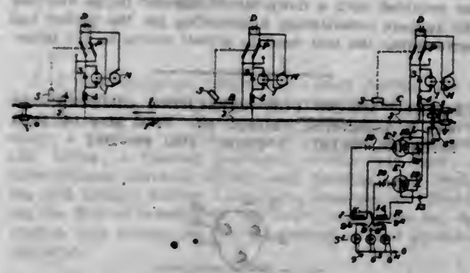
first named valve, means normally closing said second valve, and means destructible under emergency conditions normally preventing flow past said second valve.

1,636,066. ADVERTISING AND DISPLAY CARTON. ARCHIBALD S. NAPIER, St. Paul, Minn., assignor to J. N. Collins Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 12, 1925. Serial No. 36,624. 5 Claims. (Cl. 40—126.)



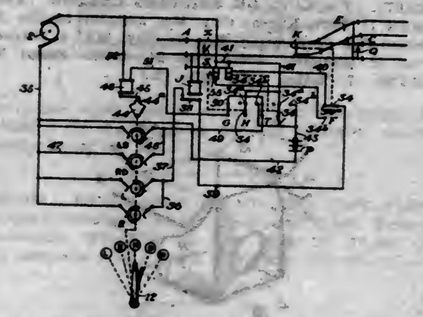
3. A display carton comprising a bottom and side panels, a top panel fashioned to represent a row of articles to be displayed and projecting above said side panels, and end panels on a level substantially with said side panels and having gaps formed between them and the ends of the top panel for the purpose specified.

1,636,067. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LEWIS L. NETTLETON, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 22, 1926. Serial No. 143,378. 15 Claims. (Cl. 246—63.)



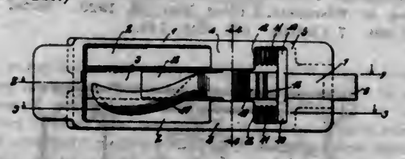
1. In combination, a section of railway track, a source of direct current reversibly connected with the rails of said section, means for periodically interrupting the supply of current from said source to the track rails, a train carried circuit receiving energy inductively from the track rails, two electron tubes having their grid circuits reversely connected with said receiving circuit, two coils supplied with energy by the plate circuits of said two tubes respectively, and governing mechanism on the train controlled by said two coils.

1,636,068. RAILWAY POINT, SIGNAL, AND THE LIKE. JOHN HEDLEY NICHOLSON, Dublin, Ireland, and WALTER SYDNEY-ROBERTS, Ormskirk, England, assignors of one-third to The Railway Signal Company Limited, London, England, a British Company. Filed July 21, 1924, Serial No. 727,245, and in Great Britain July 23, 1923. 10 Claims. (Cl. 246—135.)



1. In combination, a railway traffic controlling device, a manually operable generator, contact mechanism for at times connecting said generator with said device, and means in circuit with the device and controlled in accordance with the speed of the generator for maintaining substantially constant the current supplied to said device.

1,636,069. LATCH. EMANUEL J. PERRY, New Bedford, Mass., assignor to Perry Laundry Machinery Company, Fairhaven, Mass., a Corporation of Massachusetts. Filed Sept. 5, 1925. Serial No. 54,706. 3 Claims. (Cl. 292—140.)



1. A latching device comprising a housing, a pair of separated chamber therein, a guideway between said chambers, springs disposed within said chambers, a reciprocating bolt in said housing having a locking head normally urged into an operative position by the springs in said chambers, a handle disposed in said housing, and a connection between said handle and said bolt for drawing the bolt to an inoperative position against the tension of said springs.

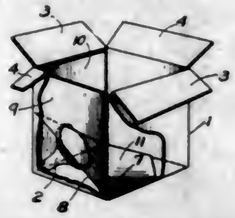
1,636,070. SPRAYING DEVICE. ARCHIE B. PICKELL, Kansas City, Mo. Filed Aug. 9, 1926. Serial No. 128,030. 3 Claims. (Cl. 299—96.)



1. In a spraying device of the kind described, the combination with a container adapted to hold liquid and adapted to hold air under pressure above the liquid and

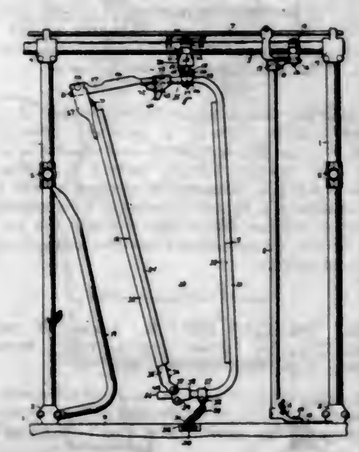
having an air inlet, and a discharge pipe extending into the container and adapted to have its inlet end below the level of said liquid, of an air compressing cylinder having an outlet and provided with a by-pass, a tube communicating with said air inlet and said air outlet, and a piston having a piston head reciprocative in said cylinder and adapted to compress air in said cylinder and to force the compressed air through said air outlet, the ends of said by-pass being disposed in the cylinder at opposite ends respectively of said piston head when the latter is at the limit of its compression stroke.

1,636,071. PACKING OR SHIPPING CARTON. FREDERICK D. PITT, Kansas City, Mo., assignor to The Anderson-Pitt Corporation, Kansas City, Mo., a Corporation of Missouri. Filed Jan. 21, 1926. Serial No. 82,729. 7 Claims. (Cl. 229—15.)



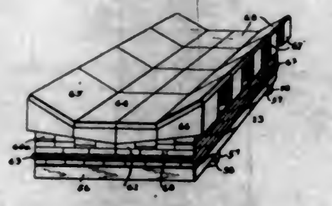
1. In a carton, a partition comprising a triangular wall member arranged at an incline in one corner of the carton, with its side edges in contact with two adjacent side walls of the carton and its base edge extended diagonally between other corners of the carton, said base edge having a part for extension toward the other corner of said carton.

1,636,072. STANCHION. ALFRED QUADE and ARTHUR H. KLUMB, West Bend, Wis., assignors to West Bend Equipment Corporation, West Bend, Wis., a Corporation of Wisconsin. Filed May 28, 1925. Serial No. 33,360. 7 Claims. (Cl. 119—149.)



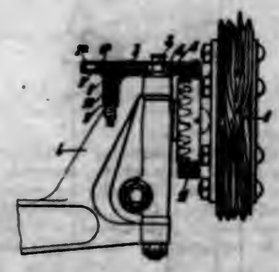
1. The combination with a stanchion, of a plurality of coacting members for suspending the stanchion and permitting rotational movements thereof, and a vertically movable, non-rotatable member, independent of the stanchion but adapted to coact therewith to prevent rotational movement of the stanchion.

1,636,073. KILN TRUCK. HARRY M. ROBERTSON, Lakewood, Ohio. Original application filed June 20, 1925, Serial No. 38,589. Divided and this application filed Sept. 21, 1925. Serial No. 57,758. 5 Claims. (Cl. 25—142.)



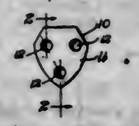
1. A truck for use in apparatus having a heated chamber comprising a wheel mounted frame, a base portion on said frame, supporting refractory blocks on said base portion, the engaging faces between said base portion and said blocks being complementary and co-acting to prevent outward movement of said blocks, and refractory walls resting on said blocks and arranged to form a holder for material.

1,636,074. MECHANISM FOR CONTROLLING SPEED INDICATORS OR THE LIKE. CHARLES HILAIRE HENRI RODANET, Levallois-Perret, France, assignor to Société Anonyme des Etablissements Ed. Jaeger, Paris, France. Filed Oct. 7, 1924, Serial No. 742,264, and in France July 19, 1924. 5 Claims. (Cl. 74—7.)



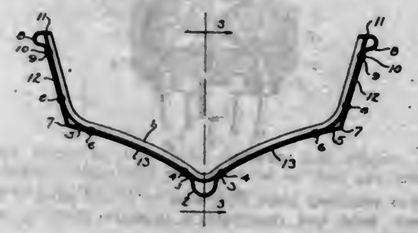
1. In combination, a road wheel, a steering knuckle including a heavy bolt, a gear coaxially positioned on the road wheel, a support secured under the head of said bolt, a pinion meshing with the gear, and means coacting with the support to rotatably mount the pinion in the plane of the bolt head, said mounting means including a member provided with a down-turned annular flange abutting the support constituting a mounting for the pinion and surrounding the bolt head to permit access to the latter.

1,636,075. MEANS FOR ATTACHING OBJECTS. IRWIN L. ROSENBERG, Chicago, Ill. Filed May 14, 1925. Serial No. 30,167. 1 Claim. (Cl. 40—20.)



The combination with a flat surface, of a monogram having the back thereof disposed adjacent said surface in contacting relation therewith, there being indentures in said back, and an adhesive film on the monogram back filling said indentures to securely retain said monogram on said flat surface, said indentures comprising spaced spheroidal pockets.

1,636,076. BOAT. LOUIS R. RUTHENBURG, East Moline, Ill. Filed July 22, 1926. Serial No. 124,209. 5 Claims. (Cl. 9—6.)



1. In a boat body, the combination of a plurality of angular ribs, a continuous keel member attached thereto, continuous chine members attached thereto, and continuous longitudinally extending body plate members located therebetween and on the sides thereof.

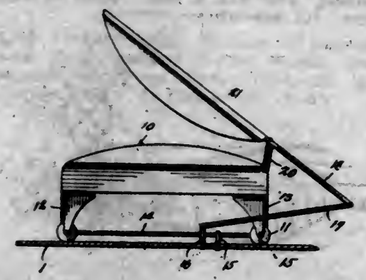
1,636,077. PRESSURE GAUGE. ALVA L. RYAN, Pittsburgh, Pa., assignor of one-half to William J. Artz, Pittsburgh, Pa. Filed May 25, 1926. Serial No. 111,511. 7 Claims. (Cl. 50—8.)



1. A pressure gauge comprising a body portion and a base therefor; inlet and outlet connections; an adjustable sleeve longitudinally movable within said gauge-body; a pressure indicator movable within said adjustable sleeve; a bushing positioned within said base; a valve-plunger movable within said bushing, said bushing and plunger having cooperating passages for directing the flow of pressure to the outlet, and means for operating said plunger by the movements of said pressure indicator.

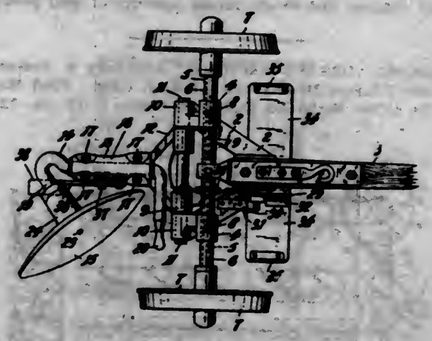
1,636,078. MOVABLE SEAT. FREDERICK T. SCHREINER, Ocala, Fla. Filed Aug. 18, 1925. Serial No. 50,994. 1 Claim. (Cl. 155—14.)

In a device of the class described, a seat, means for holding the seat positively for right-line backward and forward sliding movement, a lever, means for fulcruming the lever intermediate its ends on the seat, to define upper and lower portions in the lever, a back rest carried by the upper portion of the lever, a link pivoted at one



end to the lower portion of the lever, and means for anchoring the other end of the link pivotally, and independently of the seat.

1,636,079. REVERSIBLE STUMP-JUMP DISK PLOW. GEORGE FREDERICK SHAVE, Lyndhurst South, Victoria, Australia. Filed Feb. 25, 1925, Serial No. 11,544, and in Australia May 8, 1924. 1 Claim. (Cl. 97—31.)



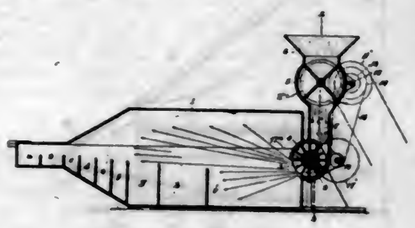
A stump-jump disk plow comprising a V-shaped frame, bosses on said frame, a horizontal spindle carried in said bosses, a stump-pump arm pivotally mounted on said spindle between said bosses, a long bearing on said arm, a stem rotatably mounted in said bearing, an axle member at one end of said stem, a cutting disk on said axle member, a handle at the other end of said stem for reversing said disk, an adjustable skid carried by the rear end of the stump-jump arm, a hand lever on the frame, an extension on the stump-jump arm and a connection between said extension and said hand lever for raising and lowering the cutting disk.

1,636,080. TOY BUILDING BLOCK. FRED W. SHAW, Cumberland Center, Me. Filed May 8, 1925. Serial No. 28,948. 2 Claims. (Cl. 46—35.)



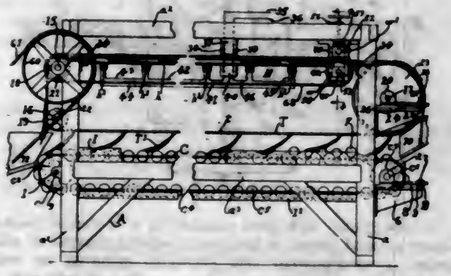
1. A toy building block having a mortar-representing border along two contiguous edges of one side face and extended along the contiguous edge of one end face, and a similar border along two contiguous edges of the second end face and extended along the contiguous edge of the remaining side face.

1,636,081. METHOD AND APPARATUS FOR MIXING, GRADING, AND SORTING GRANULAR AND PULVERULENT MATERIAL. EMILE SPRENGER, Goldach, Switzerland. Filed Dec. 8, 1921. Serial No. 520,820. 2 Claims. (Cl. 209—120.)



1. Apparatus for mixing and grading granular materials, comprising in combination a horizontal grading chamber having an outlet aperture at one end thereof, a centrifugal distributor, a casing for said distributor having a delivery aperture facing a portion of the distributor circumference and opening into said chamber, a feed aperture facing another portion of the distributor circumference, and an intake aperture facing one side of the distributor, and a box open to the outlet aperture of said chamber and to the intake aperture of said casing.

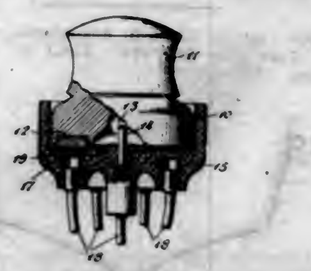
1,636,082. DRYING MACHINE. AUGUSTUS R. STEVENS and FRANCIS M. STEVENS, Lindsay, Calif. Filed Mar. 10, 1926. Serial No. 93,642. 9 Claims. (Cl. 34—12.)



1. In a drying machine, a conveyor on which the articles to be dried are placed, and towel means for wiping the articles as they are conveyed through the machine; there being means for heating said towel means before wiping the articles.

1,636,083. CLEANING DEVICE FOR DISTRIBUTOR HEADS. JOHN STEWART, New York, N. Y. Filed Apr. 6, 1926. Serial No. 100,123. 1 Claim. (Cl. 51—205.)

A cleaning and smooth device for distributors of the type having fixed contact points arranged on the bottom of a recessed body and having a movable contact point projecting above the bottom of the recess and the fixed contact points at the central point thereof, comprising a cylindrical rigid body dimensioned to snugly and rotatably fit within the recess of the distributor so as to be guided in its rotary movement by the side walls of the recess of said body and having a free end face, a cleaning element formed of abrasive material mounted on said body and projecting axially beyond said face for rubbing engagement with said fixed contact points, an upstanding flange on the free face of the body for positioning the cleaning element on said face, the central part of said body being recessed for receiving the movable contact point of the distributor when the cleaning element is in engagement with the contact points, and a handle for manipulating said device, said handle being of relatively large proportions to facilitate manual rotation of said body and said cleaning element and having an end



face of relatively large dimension to fit the palm of the human hand and constitute a pressure receiving rest therefor.

1,636,084. CORE BARREL. WALTER N. THOMPSON, Taft, Calif., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed July 28, 1925. Serial No. 46,631. 5 Claims. (Cl. 255—72.)



1. A core drill adapted to be secured to a section of rotary drill pipe, said core barrel comprising an outer tubular member having a key extending into the inner bore thereof, an inner tubular member situated concentrically within the bore of said outer member and having a longitudinal keyway in the outer surface thereof adapted to receive the key attached to said outer member, means to prevent said outer barrel becoming detached from said inner barrel, a core cutting bit comprising a tube having one end chamfered to a cutting edge and the other end provided with a passageway adapted to provide an exit from the interior of said punch member, and means to rigidly connect said inner member with said punch member.

1,636,085. COMBINATION SCAFFOLD AND STEP-LADDER. HERMANN WITTEK, Itzehoe-Sude, Holstein, Germany, assignor to Pauline Stock, Elkhart, Ind. Filed July 15, 1926, Serial No. 122,579, and in Germany July 22, 1925. 5 Claims. (Cl. 304—8.)

1. In a device of the character described the combination of two ladder elements, a platform comprising two sections pivotally secured together and pivotally secured with respective ladder elements at upwardly disposed

points on the ladder elements and adapted to fold downwardly therefrom, and folding bracing means pivotally secured with said ladder elements at downwardly disposed points on the ladder elements and adapted for releasably maintaining said platform sections and ladder elements in the form of a scaffold.



1,636,086. GOLF STANCE-STEADYING DEVICE. RICHARD WOLFE, Kenilworth, Ill. Filed May 25, 1927. Serial No. 193,957. 10 Claims. (Cl. 273—35.)



1. A golf stance steadying device comprising a body adapted to be held in frictional contact with the neck of a player whereby the player is made conscious of a movement of the head relative to the shoulders.

1,636,087. POWER TAKE-OFF FOR AUTOMOBILES. WILLIAM E. WUELKER, Los Angeles, Calif. Filed Mar. 7, 1923. Serial No. 623,449. 1 Claim. (Cl. 180—53.)



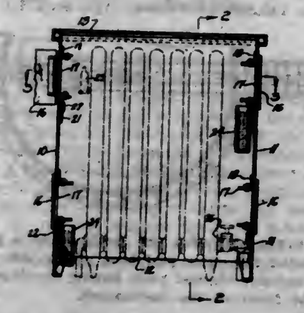
In a cleaning and polishing apparatus, the combination of a bearing, a rigid shaft journaled in the bearing, an L shaped arm integral with the bearing, a thumb screw threaded into said arm and adapted to be tightened against a thimble into which the bearing projects when associated with an automobile provided with said thimble, means for connecting said rigid shaft to the motor shaft, a flexible shaft connected with the rigid shaft, a bushing to journal the flexible shaft, means detachably connecting the bushing to the supporting means, and a flexible sheath for the flexible shaft connected with the bushing.

1,636,088. HAND TOOL. WILLIAM A. BERNARD, New Haven, Conn., assignor to The William Schollhorn Company, New Haven, Conn. Filed July 29, 1925. Serial No. 46,911. 15 Claims. (Cl. 7—8.)



1. In a hand tool a pair of members, each being formed from a strip of sheet-metal and each comprising a handle portion U-shaped in cross-section at one end thereof, a bifurcated joint portion intermediate the ends thereof, and a laminated jaw portion at the other end thereof.

1,636,089. RADIATOR COVER. ALBERT EDGAR BLACKMAN, Mount Vernon, N. Y. Filed Dec. 10, 1925. Serial No. 74,564. 4 Claims. (Cl. 257—138.)

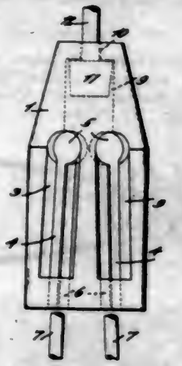


3. A radiator cover having a plurality of openings, a humidifier for moistening the heated air arising from said radiator, said openings being provided for obtaining access to the radiator valves and for the introduction of the humidifier within the cover, said cover being adapted to support the humidifier near each of said openings, whereby the humidifier can be introduced into the cover through one opening or another into its supported position without interference with the valves of radiators having valves in different positions.

1,636,090. LOGGING HOOK. ERICK ERICKSON, Port Orchard, Wash., assignor to George F. Niegemann, Kitsap County, Wash. Filed Jan. 3, 1927. Serial No. 158,754. 1 Claim. (Cl. 24—128.)

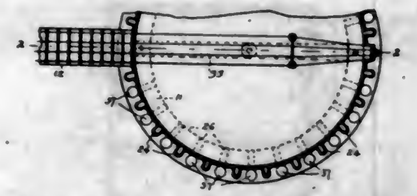
A bull hook comprising a body portion formed with a vertical slot which extends transversely through said body portion and opens at the bottom thereof, a foot at the bottom of the body portion, said foot closing said vertical slot on one side of the bottom thereof, opposite vertical flanges formed in the vertical slot to form an enlarged vertical guideway and a restricted vertical guideway, said flanges extending from the horizontal plane of the top of the foot to a point sufficient distance from the upper wall of the vertical slot to form a top horizontal bore equal in diameter to the width of the enlarged vertical guideway, said vertical slot being restricted at the bottom of the body portion by opposite flanges extending from the vertical flanges to the foot, whereby the head on the end of the cable can be inserted

through the horizontal bore in registry with the vertical enlarged guideway and the cable moved down and turned



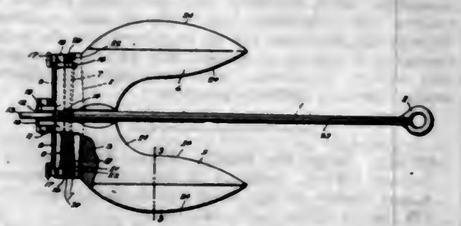
in alignment with the body portion and the head supported on the foot and the upper edges of the walls forming the restricted lower portion of the vertical slot.

1,636,091. BANJO CONSTRUCTION. ALBERT D. GROVER, Long Island City, N. Y. Filed Oct. 25, 1924. Serial No. 745,855. 5 Claims. (Cl. 8—271.)



1. In a banjo, a wooden rim section, and a protecting ring embracing the outer periphery of the rim and comprising an annular channel piece having openings directed towards the front of the instrument.

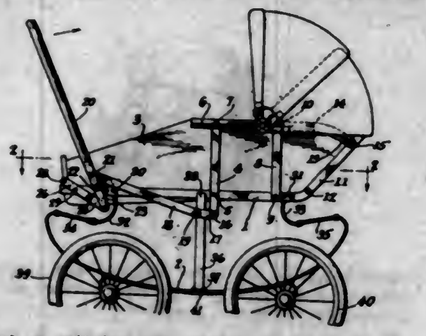
1,636,092. ANCHOR. MILAN W. HALL, New Rochelle, N. Y. Filed Feb. 2, 1924. Serial No. 690,111. 2 Claims. (Cl. 114—208.)



1. The combination, in an anchor, of a shank that is relatively broad in height and narrow in width throughout its length, said shank being tapered to cutting edges at both sides of its height, and flukes pivoted to said shank at opposite sides thereof.

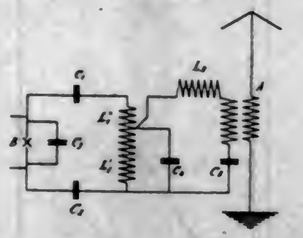
1,636,093. COLLAPSIBLE BABY CARRIAGE. MAX HARTENSTEIN, New York, N. Y. Filed Mar. 12, 1925. Serial No. 15,062. 2 Claims. (Cl. 280—47.)

1. In a collapsible baby carriage, a main frame having a projection at one end thereof, a pivot on the main frame, a handle mounted on said pivot, a link pivotally attached to the handle and above the first mentioned pivot and operatively connected to a collapsible body, an apertured bar pivotally attached to the handle below the first mentioned pivot, a notched plate pivotally



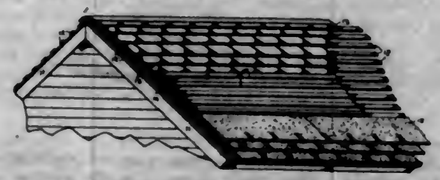
mounted on said bar and adapted to engage the projection on the frame after it has been passed through the aperture in the bar.

1,636,094. ARC GENERATOR. ROBERT HERSOG, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Dec. 28, 1925, Serial No. 77,985, and in Germany Feb. 13, 1925. 6 Claims. (Cl. 250—36.)



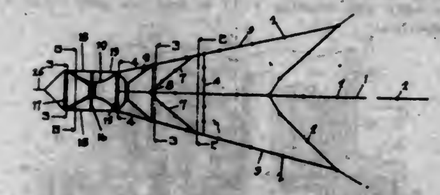
1. In an arc generator, an oscillatory circuit tuned to the frequency of the oscillations to be produced and with the arc, a shunt circuit which does not oscillate independently of the oscillatory circuit, said shunt circuit being situated on the high-frequency side of said arc between the arc and said oscillatory circuit, a self-inductance included in said shunt circuit, a second self-inductance coupled with said first self-inductance in such a manner that the effect of said first self-inductance upon the oscillatory circuit is entirely or substantially neutralized, and a capacity connected across said first self-inductance.

1,636,095. ROOFING-SUPPORTING STRIP. HENRY GOWER HOSE, Brooklyn, N. Y., and WILLIAM E. RAMSDELL, Bridgeton, N. J. Filed Oct. 19, 1925. Serial No. 63,329. 4 Claims. (Cl. 108—9.)



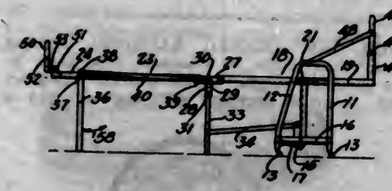
1. A roof structure for buildings adapted to lie over a pre-existing roof, comprising in combination the following elements and parts; a pre-formed filling-in member composed of moldable material and adapted to create a plane surface by filling in irregularities in said pre-existing roof, and a roofing laid over said plane surface.

1,636,096. FISH NET. STEPHEN HOSKO, Bono, Ohio. Filed Feb. 8, 1926. Serial No. 86,758. 1 Claim. (Cl. 43—100.)



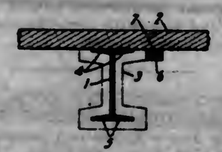
In a fish net, a lead net, a crib, a pair of converging side nets located on opposite sides of the end of the lead net and terminating at the crib, roof and floor nets extending between the end portions of the upper and lower edges of the side nets and extending from the end of the lead net and terminating with the side nets at the crib, the portion of the lead net located between the side nets being equal to substantially one half of the length of the side nets, the crib having a funnel trap for the admission of the fish from the space between the side, floor and roof nets, the side of the mouth portion of the funnel contracted at a sharper angle to the horizontal than the side of the body portion of the funnel and stay ropes connected to the upper side of the crib for turning the axis of the mouth portion upward.

1,636,097. FOLDING PORTABLE BED. FRANCIS S. INCO, Los Angeles, Calif. Filed May 24, 1922. Serial No. 563,241. 2 Claims. (Cl. 5—155.)



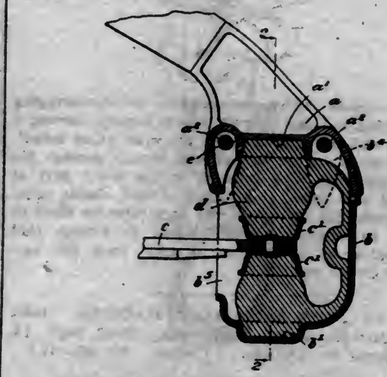
1. In a folding bed of the class described, the combination of: a carriage; a head section pivoted upon said carriage in such manner as to project beyond the same when extended; a foot section; links pivotally connecting said foot section to said head section by separate pivots at the respective ends thereof; foot legs pivoted to said foot section; spacer means extending between said section connecting links; intermediate legs pivoted to said spacer means; links extending between said foot legs and said connecting links for retracting said foot legs as said foot section is raised; and links extending between said intermediate legs and said carriage for retracting said intermediate legs as said head section is raised and for holding said legs always dependent.

1,636,098. MEANS FOR AND METHOD OF ATTACHING SHOOTING STRIPS. WILLIS LERICHE, Allentown, Pa., assignor to Cement Gun Contracting Company, Allentown, Pa., a Corporation of Delaware. Filed Sept. 2, 1926. Serial No. 133,176. 7 Claims. (Cl. 25—131.5.)



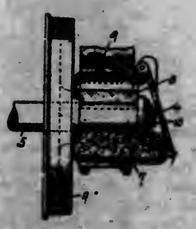
1. Means for shaping cementitious material around the flanges at the upper edge of a beam in contact with the lower surface of a floor, comprising a shooting strip adjacent the edge of one of the flanges at the upper edge of said beam, and strip supporting means attached to said strip and adhering to the lower surface of the floor.

1,636,099. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. FRED L. LIPCOT, New York, N. Y., assignor to The Rubber Shock Insulator Company, Inc., New York, N. Y., a Corporation of Delaware. Filed May 4, 1925. Serial No. 27,725. 2 Claims. (Cl. 267—30.)



1. A housing for a connection and support of yielding non-metallic material adapted to be interposed between two metallic parts of a motor vehicle, one of which parts is to be connected to and supported by the other of said parts, comprising an upper seat member for attachment to one of the vehicle parts and a cup-shaped cap portion forming a housing and formed with a lower seat for the non-metallic material and an opening in one side through which the other vehicle part enters the housing to be engaged by the non-metallic material, means to secure the cap member to the upper seat member and means for reinforcing the sides of the housing.

1,636,100. CAR JOURNAL. CHALLEN R. MCCUNE, Clinton, Iowa. Filed Feb. 14, 1923. Serial No. 618,914. 1 Claim. (Cl. 308—237.)



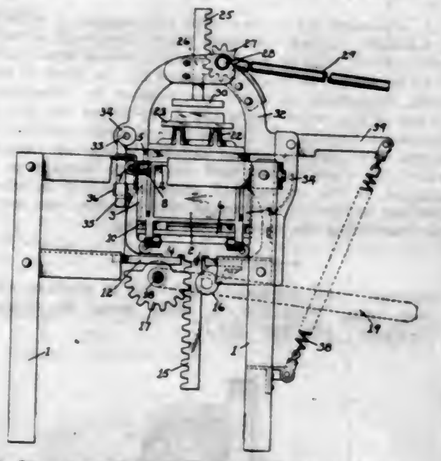
In combination, a car axle, a journal bearing for said axle, a flange on said axle, a bearing sleeve having flanges at opposite ends thereof and having an opening therethrough for receiving the end of said car axle, one of the flanges on said sleeve having a projection thereon for engaging the flange on said axle to prevent rotation of said sleeve about said axle when said sleeve is fitted over the end of said axle, the flanges on said sleeve being spaced to engage opposite ends of said journal bearing, a nut for engaging the projecting end of said axle when said sleeve is in position thereon, and means for locking said nut against rotation, said sleeve and axle being made of similar quality steel to insure the same coefficient of expansion for said parts.

1,636,101. CORRECTIVE DEVICE. ROB ROY MCLALLEN, Oak Park, Ill. Filed Mar. 9, 1927. Serial No. 173,931. 1 Claim. (Cl. 128—133.)



In a corrective device for infants, for discouraging thumb sucking and the like, an elastic member having a loop at one end for attachment to the wrist of an infant, and means at the other end of said elastic member for attaching the same to a garment on the lower part of the body of said infant, the length of said elastic member being such that the infant can only raise its hand to its mouth by exerting physical effort to stretch said elastic member, or by moving its head from the normally comfortable position.

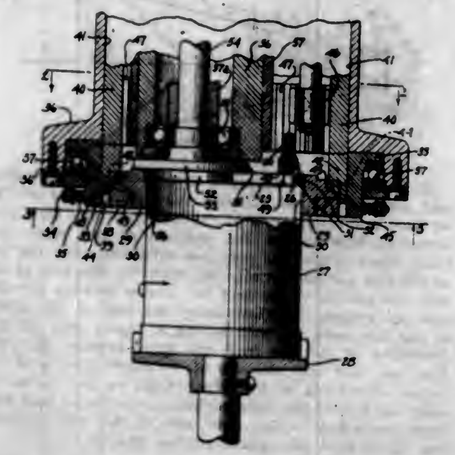
1,636,102. CONCRETE-BLOCK MACHINE. JOHN HENRY MILLER, Rising Sun, Ohio. Filed Sept. 15, 1924. Serial No. 737,685. 7 Claims. (Cl. 25—41.)



1. In a concrete block machine, a mold, a plurality of partitioning plates, a plurality of compression members for compressing the concrete between the partitioning plates to form the blocks and having a pressure surface substantially equal to the area between the partition plates, said mold having sides pivoted to the remainder of the mold at their bottom edges, rollers revolving on fixed axes and engaging the sides in lowered position of the mold, said sides being disengaged from said rollers in raised position of the mold, and means to raise and lower the mold.

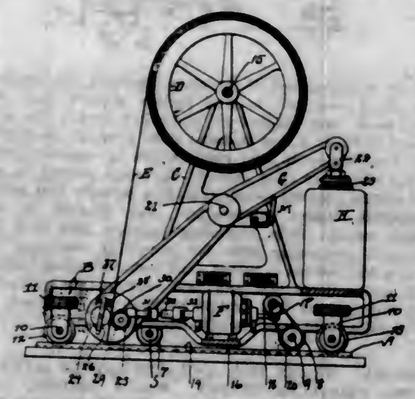
1,636,103. PROCESS OF AND APPARATUS FOR MAKING SANITARY METAL CANS. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 15, 1922, Serial No. 553,213. Renewed Dec. 21, 1926. 12 Claims. (Cl. 113—25.)

2. The process of securing heads to bodies of sanitary metal cans, which comprises providing a can body having an expanded end portion extending radially outward beyond the main part of the can body and a shoulder where said end portion joins the main part of the can body, supporting said can body by shouldered supporting means adapted to engage the shouldered portions of the can body, and seaming a lid to said can body while so supported.



4. Apparatus for seaming heads to bodies of sanitary cans which comprises a roller extending across the edge of the can body, the roller axis forming a chord of the circle defined by the end of the can body, and means for rotating the can body with respect to the roller.

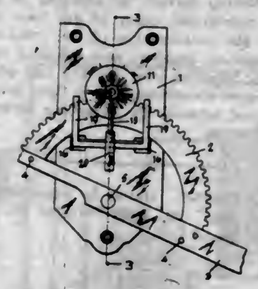
1,636,104. ARC-WELDING MACHINE. THOMAS E. MURRAY and HARRY R. WOODROW, New York, N. Y.; said Woodrow assignor to said Murray. Filed Oct. 25, 1919. Serial No. 333,332. 9 Claims. (Cl. 219—8.)



1. An arc welding machine, comprising a portable carriage, trucks beneath said carriage and supporting the same upon the surface above which said carriage travels therefor, and, disposed on said carriage, a metal wire electrode, means for continuously feeding said wire to the welding joint, and means for simultaneously driving said trucks and said feeding means.

1,636,105. AUTOMATIC GEAR LOCK FOR WINDOW REGULATORS. HUBERT A. MYERS, Toledo, Ohio, assignor to The Myers Regulator Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 27, 1926. Serial No. 144,464. 4 Claims. (Cl. 192—8.)

4. In a window regulator, a pinion, a shaft connected to the pinion, a rack, means interconnecting the rack and the window for raising and lowering the window upon movement of the rack, a dog having a pair of engaging noses for engaging the rack on opposite sides of

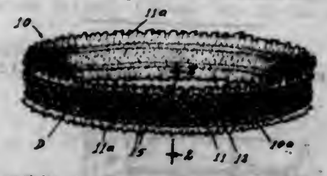


the point of engagement between the pinion and the rack, a cam located on the shaft for operating the dog to release the rack as the pinion teeth actuate the rack.

1,636,106. METHOD OF PRODUCING ALKALI-METAL SULPHYDRATES. ERNEST EUGENE NAEF, Paris, France, assignor to Tubize Artificial Silk Company of America, a Corporation of Delaware. Filed Jan. 26, 1924, Serial No. 688,842, and in Great Britain Jan. 31, 1923. 3 Claims. (Cl. 23—137.)

1. The method of producing alkali metal sulphydrates which consists in heating an alkali metal sulphoxy compound with hydrocarbon oils and sulphur in quantity sufficient to effect the reduction.

1,636,107. GARTER. CHARLES B. NAMIOT, New York, N. Y. Filed Aug. 24, 1925. Serial No. 51,911. 7 Claims. (Cl. 241—5.)



1. An article of manufacture comprising a garter having a body portion formed to include an elastic member interposed between a shirred backing strip and front layer and a trimming consisting of a thread, and beads strung on the thread, said beads being secured to the front layer, said thread having a slack portion between adjacent beads to permit unrestricted extension of the body portion.

1,636,108. DISPLAY SIGN. JAMES PARKINSON, Toronto, Ontario, Canada. Filed Jan. 31, 1927. Serial No. 164,918. 1 Claim. (Cl. 40—136.)



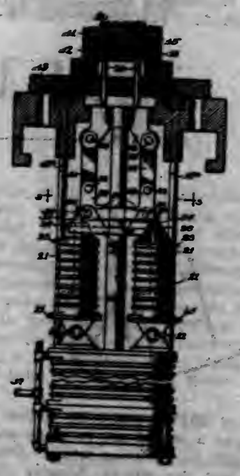
A display sign comprising a plate formed of bright metal having a dulled surface and grooves having side walls extending perpendicularly to the face of the sign, and a bottom wall extending from the bottom of the side wall to the face of the sign at the opposite side of the groove and formed by cutting into the metal of the plate to outline a letter, character or figure and to expose the bright metal to contrast with the dull surface formed by the letter, character or figure.

1,636,109. ATTACHING DEVICE. HENDRIK PLOMP, Amersfoort, Netherlands. Filed Sept. 16, 1926, Serial No. 135,953, and in the Netherlands Sept. 11, 1925. 7 Claims. (Cl. 280—156.)



1. An attaching device, comprising a casing, a corrugated central member disposed within and secured to the casing, a correspondingly corrugated tongue entering into the casing and bearing against one side of the central member, a correspondingly corrugated tongue entering into the casing and bearing against the other side of the central member, and means within the casing for clamping the two tongues against the central member.

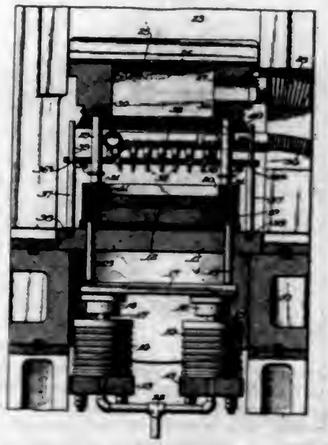
1,636,110. PRESSURE CUSHION. FREDRICH J. RODE, Chicago, Ill., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed May 27, 1925. Serial No. 33,295. 16 Claims. (Cl. 113—46.)



1. In combination, a plunger, a work holding element co-operating therewith, a plurality of separate cushioning means for the work holding element, means for re-

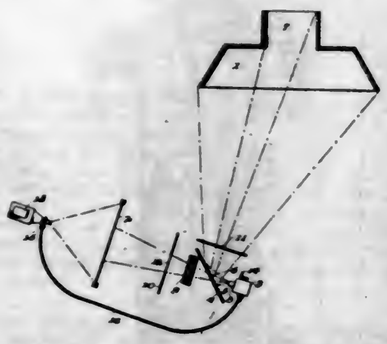
straining one of said cushioning means against operation during a portion of the operation of the other of the said cushioning means, and means for releasing the said restrained cushioning means to render the latter active.

1,636,111. DRAWING PRESS FOR HEATING AND DRAWING SHEET METAL. FREDRICH J. RODE, Chicago, Ill., assignor to Marquette Tool & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 17, 1926. Serial No. 155,394. 17 Claims. (Cl. 113—46.)



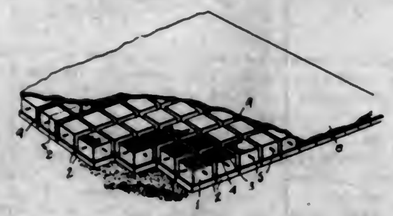
1. A sheet metal drawing press embodying blank holding means, a reciprocable member with which the blank holding means co-operates to grip the work, a burner associated with the press for applying heat to the work, and means responsive to the operation of the press for controlling the operation of the flame from the burner upon the work.

1,636,112. SYSTEM OF TAKING PHOTOGRAPHIC AND CINEMATOGRAPHIC PICTURES. EUGEN SCHUFFTAN, Hollywood, Calif. Filed Aug. 9, 1926. Serial No. 128,152. 12 Claims. (Cl. 88—16.)



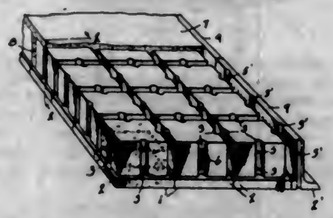
1. The art of making composite motion pictures of a set or scene and a second set or scene which comprises arranging a light transmitting member between the first set or scene and the camera, forming an image of a portion of the first set or scene directly through the light transmitting member on a frame of the camera, simultaneously forming an image of the second set or scene on the same frame by a reflecting surface on the light transmitting member and at the same time causing overlapping of the adjacent portions of the images in a zone of mergence, said light transmitting member extending beyond the reflecting surface for blending in the zone of mergence the overlapped edges of the two images into each other by the coordination of the reflecting surface and the transparent member, and bringing out the distinctness of the blending zone for the full width thereof by a lens disposed transversely of a light cone from one of the scenes and between the reflecting surface and the last mentioned scene.

1,636,113. PAVEMENT. HENRY D. STREATOR, Galesburg, Mich. Filed Sept. 22, 1925. Serial No. 57,854. 2 Claims. (Cl. 94—6.)



1. In a pavement the combination of a foundation made up of spaced cubical blocks with flanged bases and dovetailed grooves at the top, cross bar reinforcements in said blocks, the ends of which reinforcements project and extend substantially from one block to another and form diagonal splices, a retaining clip embracing the ends of the reinforcements, and asphaltic topping with extensions into the spaces between said blocks embracing the said clips and reinforcements, coacting as specified.

1,636,114. PAVEMENT. HENRY D. STREATOR, Galesburg, Mich. Filed May 24, 1926. Serial No. 111,288. 4 Claims. (Cl. 94—13.)

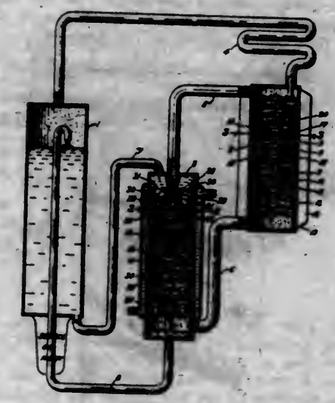


1. In a pavement, the combination of a foundation made up of spaced cubical blocks with flanged bases and vertically notched at the sides, rectangular bar reinforcements in said blocks exposed at and extended across the notches at the sides, a retaining hairpin tie between said blocks embracing the exposed part of the reinforcements in said notches on adjacent blocks, and an asphaltic topping with extensions into the spaces between said blocks embracing the said tie, coacting as specified.

1,636,115. REFRIGERATING APPARATUS OF THE ABSORPTION TYPE. BALTZAR CARL VON PLATEN, Ystad, and CARL GEORG MUNTERS, Dala-Jarna, Sweden, assignors, by mesne assignments, to Electrolux Servel Corporation, a Corporation of Delaware. Filed Mar. 20, 1925, Serial No. 17,035, and in Sweden Mar. 29, 1924. 5 Claims. (Cl. 62—119.)

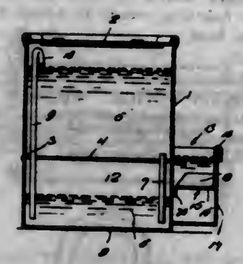
1. A refrigerator comprising a generator, a condenser, an evaporator and an absorber connected to form a system in which a cooling agent and an auxiliary agent

circulate through the evaporator, said evaporator containing a plurality of superimposed spaced metal plates having holes in the same, some of the holes forming a



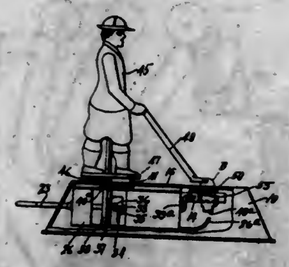
straight vertically extending passageway for flow of gas and other holes being out of alignment with respect to each other to form a tortuous line of flow for liquid.

1,636,116. COMBINED TEST BATH, SAMPLE WARMER, AND HOT-WATER RESERVOIR. CLINE W. WARNOCK, Bucyrus, Ohio. Filed May 22, 1926. Serial No. 111,082. 1 Claim. (Cl. 23—258.)



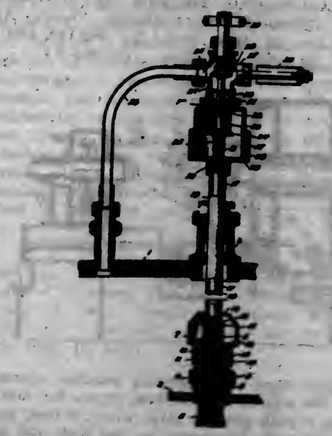
A water reservoir comprising a cylindrical receptacle open at its top, a hinged cover provided therefor, said receptacle having an annular groove formed therein adjacent the bottom thereof, a partition arranged in said groove for dividing the receptacle into an enlarged upper cold water compartment, and a relatively small hot water compartment, a supply pipe extending through the partition for feeding the cold water to the lower compartment, the upper end of the supply pipe extending above the partition, the lower end of the supply pipe being spaced from the bottom of the receptacle, a vapor tube extending upwardly through the partition at a point diametrically opposite the supply pipe, the lower end of said vapor tube terminating in spaced relation with the bottom of the receptacle, the upper end of the vapor tube having a downwardly disposed bend formed therein whereby the vapors formed in the lower compartment will be delivered to the cold water in the upper compartment for initially warming the same, a faucet for drawing off the hot water in the lower compartment, the space between the water level in the lower compartment and said partition forming an insulation when the water level is at a predetermined height.

1,636,117. MECHANICAL GOLF PLAYING TOY. THOMAS R. ARDEN, Forest Hills, N. Y., assignor to The Ferdinand Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1926. Serial No. 137,864. 10 Claims. (Cl. 46—40.)



8. A golf playing device, comprising a rotatable support, a figure mounted thereon to rotate therewith, a motor, a cam having a plurality of camming portions mounted on the motor, connecting means in operative engagement with the cam and the support to impart to the figure a series of initial ball gaging movements and a final striking movement, and spring means for maintaining said connecting means in operative engagement with said cam.

1,636,118. LOW-WATER ALARM. NORMAN M. BARKER, Cleveland, Ohio. Filed Oct. 22, 1924. Serial No. 745,242. 13 Claims. (Cl. 122—504.2.)

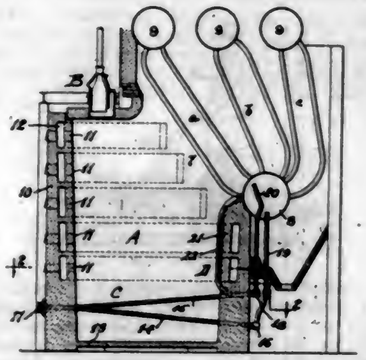


1. In a device of the character described, a heat conducting member, means for supporting said member in the crown sheet of a boiler, a heat responsive device carried by the upper end of the heat conducting member and wholly disposed at a distance above the crown sheet of the boiler comparable to the predetermined water level at which the device shall operate, the said heat responsive device being in heat conducting relation with the surrounding water, the portion of the heat conducting member below the said responsive device being substantially heat insulated from the surrounding water.

1,636,119. FURNACE APPARATUS. JOHN E. BELL, Brooklyn, N. Y., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Sept. 16, 1922. Serial No. 588,566. 8 Claims. (Cl. 122—235.)

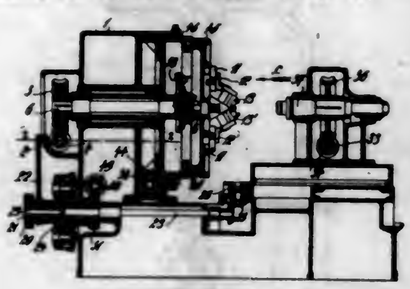
1. In combination with a furnace and its boiler, a combustion chamber; a cooling screen exposed to radiant

heat in the lower portion of the combustion chamber comprising two sets of tubes, a header with which both sets are connected at one end, and a header for the other end of each set; means connecting the last mentioned two



headers into the circulation of the boiler; and a cooling screen exposed to radiant heat adjacent a vertical wall of the combustion chamber connected with one of the headers and with the boiler.

1,636,120. SHAPING OR PLANING MACHINE FOR WORM OR SCREW SHAPED BEVEL WHEEL OPERATING ACCORDING TO THE DEVELOPMENT METHOD. HEINRICH BRANDENBERGER, Vienna, Austria. Filed Dec. 21, 1923, Serial No. 682,110, and in Austria Dec. 23, 1922. 4 Claims. (Cl. 90—9.)



1. In a spiral bevel wheel planing machine operating according to the development method, means for continuously rotating a work piece, a plane wheel, a tool, means for giving additional movement to the tool, the additional movement of the tool caused by the movement of the plane wheel being so compensated that the combined or interconnected movements of the work piece and of the work tool are changed in their respective relation according to rotation of the plane wheel.

1,636,121. LOOP OR RING FASTENER FOR BAGS AND THE LIKE. WILLIAM BRAUNS and WILLIAM J. WALKER, Newark, N. J., assignors to Rosenband Mfg. Co., Inc., a Corporation of New Jersey. Filed Aug. 20, 1921. Serial No. 493,978. 2 Claims. (Cl. 24—265.)



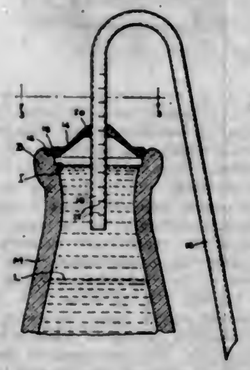
1. A loop or ring-fastener comprising a pair of plate-members, a ring or loop-receiving element connected with said plate-members, and marginal fastening prongs connected with and extending from one of said plate-members, said prongs being adapted to be bent over the other plate-like member and brought in securing engagement with the other plate-member for securing the loop or ring-fastener to an article, said latter plate-member being provided with prong-receiving depressions for the reception of said prongs in said receiving depressions, to thereby provide a flush upper surface of the fastener.

1,636,122. HOOD APRON. ISAAC BROWN, New York, N. Y. Filed May 7, 1926. Serial No. 107,324. 4 Claims. (Cl. 2—48.)



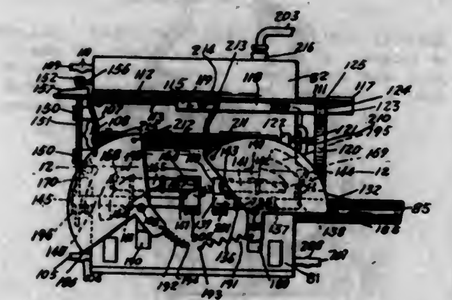
1. A hood-apron comprising a flexible member having means to encircle the neck of a person permitting one end thereof to rest over the front of his clothing, while the other end reaches behind his neck and is folded about his head, and fastening means to secure the hood over the back of his head.

1,636,123. SIPHON DEVICE. WALTER F. BROWN, Minneapolis, Minn., assignor of one-half to Antoine A. Laurent, Minneapolis, Minn. Filed Oct. 4, 1926. Serial No. 139,391. 3 Claims. (Cl. 137—20.)



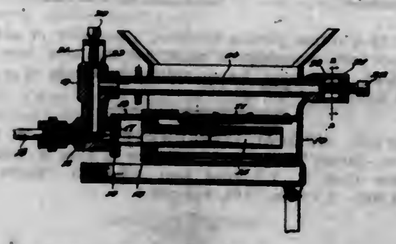
1. A siphon device comprising a flexible diaphragm whose margin is adapted to engage the mouth of a container, said diaphragm having a central opening, and a siphon tube whose short leg passes through said opening, the upper side of said diaphragm adjacent said opening being recessed to constitute an air vent when said diaphragm is depressed.

1,636,124. COMPRESSOR FOR GAS ENGINES. WILLIAM HOWARD BUNKER, Lisle, Ontario, Canada. Filed Oct. 7, 1920. Serial No. 415,337. 5 Claims. (Cl. 230—27.)



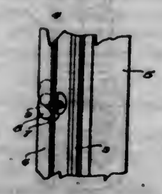
1. A gas compressor comprising a main gas compressing cylinder and a piston reciprocating within the cylinder, a gas inlet, a gas reservoir, a gas outlet connecting the main cylinder and reservoir, a non-return valve from the gas outlet, and means actuated by the reciprocation of the piston within the main cylinder for producing a constant air pressure against the charge of gas within the reservoir.

1,636,125. CLOSURE FOR CLEAN-OUT OPENINGS. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor, by mesne assignments, of one-half to Robert C. Carter and George S. Jamison, Glens Falls, N. Y. Original application filed Oct. 16, 1923, Serial No. 668,833. Divided and this application filed Oct. 16, 1925, Serial No. 62,852. Renewed May 25, 1927. 8 Claims. (Cl. 251—160.)



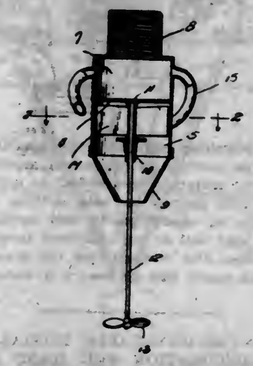
1. In a burner, the combination with an element provided with a passage having a clean out opening, a flexible plate overlying said opening, and means pressing the plate into the opening to seal said opening.

1,636,126. FENCEPOST. CHARLES E. CHRISTENSEN, Viborg, S. Dak. Filed Apr. 9, 1926. Serial No. 100,955. 2 Claims. (Cl. 256—58.)



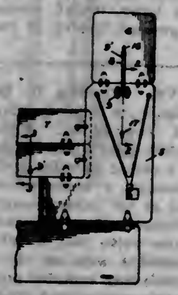
1. A fence post comprising an elongated body provided with a forwardly extending web having a longitudinally extending head at its outer end projecting from opposite sides thereof, said web being formed with openings spaced longitudinally of the web adjacent the head and said head having diagonally disposed transverse slots extending through the head and communicating with said openings intermediate the upper and lower ends thereof.

1,636,127. MIXING DEVICE. GERALD FICKLE, Glenwood, Iowa. Filed Oct. 12, 1925. Serial No. 62,034. 1 Claim. (Cl. 253—130.)



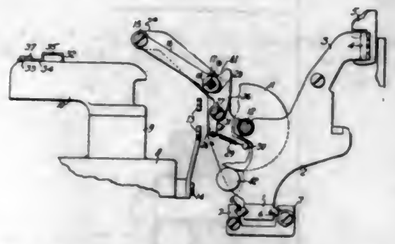
In a turbine for a mixing device of the class described, a cylindrical casing, a wall arranged horizontally within the intermediate portion of the casing for dividing the same into an upper pressure chamber and a lower turbine chamber, an inlet nozzle provided at the top of the pressure chamber, a discharge nozzle arranged on the lower open end of the casing and communicating with the turbine chamber, a turbine wheel operable within the turbine chamber, and a pair of curved fluid jet pipes arranged tangentially on opposite sides of the casing, the upper ends of said jet pipe communicating with the pressure chamber, the lower ends thereof communicating with the turbine chamber whereby the fluid from the pressure chamber will be directed against the blades of the turbine wheel to effect the rotation thereof.

1,636,128. FASTENING DEVICE FOR SHIELDS. ELMER C. GOEBERT, U. S. Army, Philadelphia, Pa. Filed Jan. 15, 1927. Serial No. 161,406. 3 Claims. (Cl. 89—36.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



3. A fastening device including a pair of clamping members arranged for longitudinal and rotatable movement with respect to each other, a spring for moving the members together and said members provided with complemental means for holding them against relative rotation.

1,636,129. TYPEWRITING MACHINE. GEORGE G. GOING, Middletown, Conn., assignor to Remington-Noiseless Typewriter Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 14, 1925. Serial No. 2,422. 11 Claims. (Cl. 197—138.)



1. In a typewriting machine, the combination of a platen, a platen carriage, a paper bail mounted thereon, latch devices for maintaining said bail as a whole in normal position, and springs for said devices, said devices being releasable in opposition to said springs to afford movement of said bail to an abnormal inoperative position, said devices also transmitting the pressure of said springs to said paper bail to render it operative on the platen.

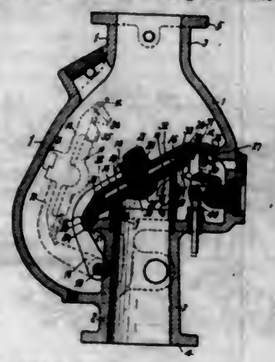
1,636,130. INTERCHANGEABLE INITIAL OR ORNAMENTAL DECORATION FOR HAND BAGS AND OTHER ARTICLES. NATHAN GREENBAUM, New York, N. Y., and ALBERT ROSENBAND, Newark, N. J. Filed July 10, 1925. Serial No. 42,719. 1 Claim. (Cl. 40—20.)



In a bag or the like, in combination with a portion of the bag, a letter, initial, monogram, or insignia-bearing means, comprising a base-plate, means for securing said base-plate to the bag, an interchangeable letter, initial, monogram, or insignia-bearing plate, and means for separably connecting said latter plate to said base-plate consisting of a spring-post or stud adapted to be forced into a receiving socket with which the base-plate is provided for frictional and separable engagement of the letter, initial, monogram, or insignia-bearing plate with base plate, associated with an alining pin extending rearwardly from said letter, initial, monogram, or insignia-bearing plate to prevent turning of the latter upon said base-plate.

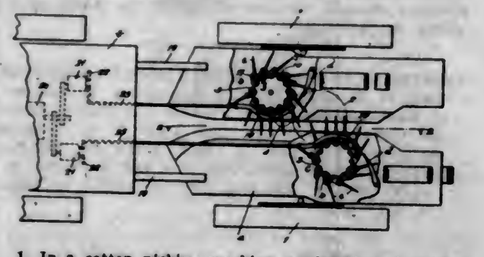
1,636,131. VALVE. WILLIAM B. GRIFFITH, Philadelphia, Pa., assignor to Star Sprinkler Corporation, a Corporation of New Jersey. Filed June 19, 1922. Serial No. 569,349. 4 Claims. (Cl. 169—22.)

1. In a valve, a casing provided with an inlet passage, and an outlet passage, a water valve seat surrounding the discharge end of the inlet passage and an air valve seat of larger diameter than the water valve seat surrounding the water valve seat, a valve member pivoted to the casing provided with an air valve head and a bearing part, a valve ring mounted upon the periphery of said head adapted to engage said air valve seat, a valve clapper adapted to engage said water valve seat, said valve clapper having an outwardly extending annular flange upon its periphery and a centrally located socket into which said bearing part extends, a clamp ring secured to said head, said clamp ring positioned upon said head between said valve clapper and said valve ring, said clamp ring having a clamping surface formed upon the outer periphery thereof adapted to engage said valve ring, and said clamp ring having an inner edge portion



adapted to loosely engage the periphery of said valve clapper for limiting the movement of the clapper relatively to said head.

1,636,132. COTTON-PICKING MACHINE. WILLIAM T. HOOFNAGLE, Glen Ridge, N. J. Filed July 14, 1925. Serial No. 43,505. 6 Claims. (Cl. 56—11.)



1. In a cotton picking machine, a plurality of picking fingers each comprising a metal rod insulated from the machine, and means for connecting said rods to a current source.

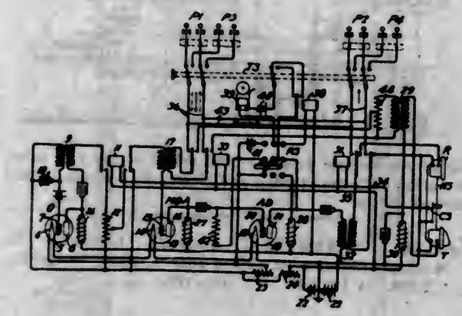
1,636,133. MUSICAL INSTRUMENT. GEORGE W. HORTON, Queens Village, N. Y., assignor to John W. Bunker, New York, N. Y. Filed Sept. 23, 1925. Serial No. 58,006. 1 Claim. (Cl. 84—267.)



A musical instrument having a string and an elongated slotted neck, a roller in said slot a flexible rod carried by said roller and overlying said string, said rod being

capable of being moved longitudinally of said neck to touch the string at different points when pressed down to produce various notes thereof when said string is twanged.

1,636,134. CARRIER-WAVE SIGNALING SYSTEM. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 6, 1923. Serial No. 610,975. 10 Claims. (Cl. 179—15.)



1. A carrier telephone terminal apparatus comprising an electron discharge device adapted to produce oscillations, a second electron discharge device adapted to receive modulated carrier oscillations and to translate said oscillation into signals, a microphone, and switching means for causing the first device to produce oscillations and to impress them upon the second device, to adapt said microphone to also impress signals on said second device, and to connect the output of said second device to a carrier transmission line.

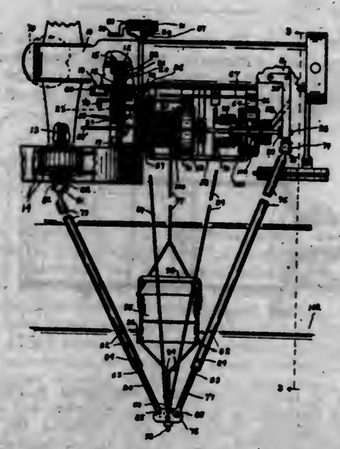
1,636,135. BOILER PLUG. BEN H. HUGHES, East Cleveland, Ohio. Filed June 27, 1925. Serial No. 40,084. 1 Claim. (Cl. 137—99.)



As a new article of manufacture, a boiler plug comprising a member having one end portion formed like an arrowhead terminating in a sharp point and having a plurality of separated barbs projecting in a direction away from said point, another portion being fashioned with screw-threads and a nut cooperating with the latter and adapted to draw said barbs against the interior surface of a boiler.

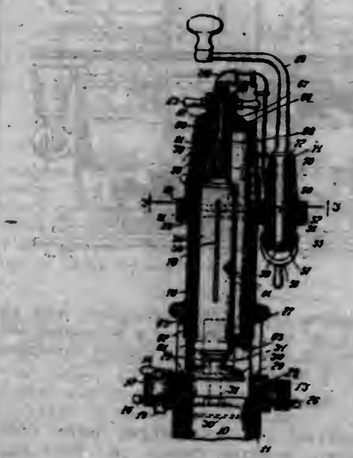
1,636,136. DITCH MAINTAINER. GEORGE E. KERNES, Omaha, Nebr. Filed Jan. 2, 1926. Serial No. 78,842. 2 Claims. (Cl. 37—144.)

1. A ditch maintaining attachment for tractors comprising a relatively long narrow lateral frame, means for securing the frame against one side of the tractor inwardly of the adjacent side wheels thereof, hoisting means mounted on the frame and including cables, a boom for the tractor including a pair of arms, a universal socket for one arm and mounted on the hub of the rear



wheel of the tractor, and a second universal socket mounted on the forward end of said lateral frame for supporting the other arm of the boom.

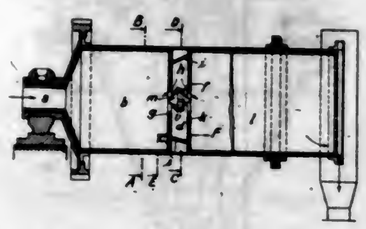
1,636,137. INTERNAL GRINDER. OWEN D. KINSEY, Wauwatosa, Wis. Filed June 20, 1925. Serial No. 38,413. 8 Claims. (Cl. 51—43.)



1. A grinder of the character described, comprising a main housing, a main cylinder longitudinally and rotatably movable in said housing, said cylinder being externally threaded, a second cylinder mounted in the main cylinder, closure means for the ends of the main cylinder whereby the position of the second cylinder relative to the longitudinal axis of the main cylinder is maintained, means whereby said position of the second cylinder may be regulated, intermeshing gear mechanism operatively connected with said main cylinder with a portion of said

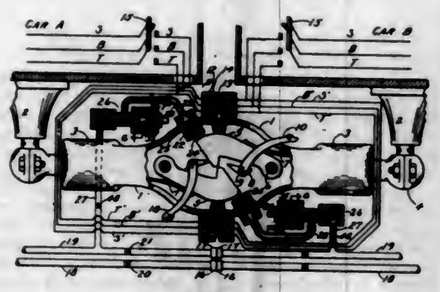
gear mechanism slidably connected to said second cylinder, whereby either longitudinal movement or longitudinal and rotatable movement of said cylinder may be obtained, and means for controlling said gear mechanism.

1,636,138. BALL OR TUBE MILL. WILHELM KÖPPEN, Beckum, and CHRISTIAN PFEIFFER, Neubeckum, Germany. Filed Dec. 8, 1926, Serial No. 153,420, and in Germany Dec. 8, 1925. 9 Claims. (Cl. 83—9.)



1. In a ball- or tube-mill containing a preliminary grinding chamber, a fine grinding chamber and an intermediate chamber, concentric rings forming the wall of said intermediate chamber facing the preliminary grinding-chamber, said rings having on their entire periphery a free cross-section for the passage of the material to be ground.

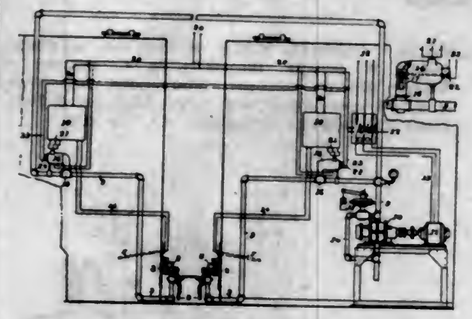
1,636,139. CAR, AIR, AND ELECTRIC COUPLING SYSTEM. ERNST A. LARSSON, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 19, 1924. Serial No. 738,591. 25 Claims. (Cl. 213—76.)



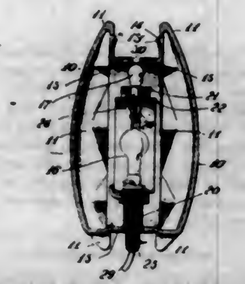
1. In a coupling system, the combination with an electric coupler and an air coupler of a car coupler and pneumatic means to prevent the car couplers uncoupling while the electric couplers are energized.

1,636,140. DRYING AND ENAMELING OVEN CONTROL. ARTHUR MAEHLER, Chicago, Ill. Filed Aug. 5, 1926. Serial No. 127,277. 3 Claims. (Cl. 158—99.)

1. In an automatic control for drying and enameling oven of the indirectly heated gaseous fuel type, the combination with the oven housing and indirect heating unit in same, of a gaseous fuel supply pipe connected to the burner of said heating unit, an electric motor-pump supplying gaseous fuel under pressure to said supply pipe, an automatic shut-off value in said fuel supply pipe, a pilot light having a separate fuel supply to that of the aforesaid burner, a thermo-couple potentiometer having its thermo-couple arranged in the heat zone of the pilot light and having controlling connection with the automatic mechanism of shut-off valve aforesaid, an electric switch operatively associated with the mechanism of the shut-off valve and adapted to effect a closing and opening of the electric supply to the motor of the fuel pump in unison with the opening and closing movements of said shut-off valves.

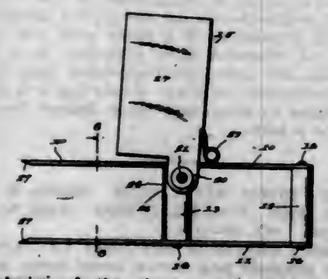


1,636,141. ORNAMENTAL LIGHT. LAWRENCE W. MAMMEN, Chicago, Ill. Filed June 1, 1926. Serial No. 112,805. 4 Claims. (Cl. 40—126.)



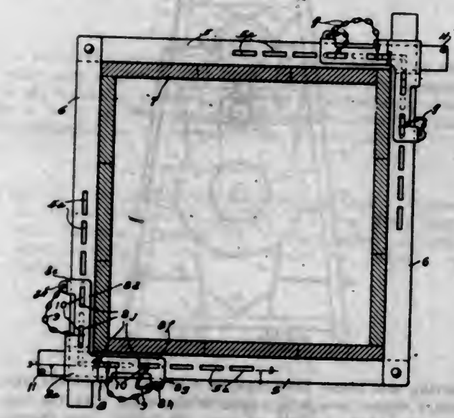
1. An ornamental light in the nature of an illuminated star composed of a pair of complementary star shaped members of translucent material formed at the points with double walls in spaced relation, the inner walls of both members at the base of the points each having a laterally disposed annular flange, a band encircling the flanges for holding the members together in spaced relation, said band being provided with an electric plug and lamp holding socket.

1,636,142. ICE-CREAM CUTTER. GERARDO MARANDINO, Brooklyn, N. Y. Filed Mar. 29, 1926. Serial No. 98,195. 6 Claims. (Cl. 107—48.)



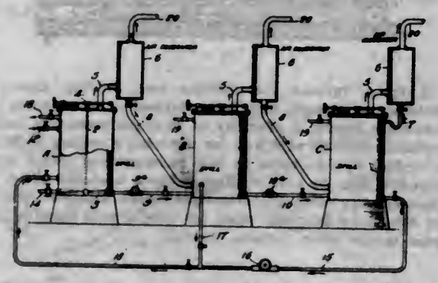
1. A device of the character described comprising spaced members, a pair of filler pieces connecting said members, one of said filler pieces being located intermediate the ends of said members, the other filler piece being located at one end of said members to make a handle therefor, and means adapted to embrace the loose end of said members, pivoted to the intermediate filler piece and comprising a top and side walls and cooperating with said members to define an open-end material-receiving chamber.

1,636,143. COLUMN CLAMP WITH CASTINGS. HOWARD O. MCMILLAN, Minneapolis, Minn. Filed June 1, 1926. Serial No. 112,752. 12 Claims. (Cl. 144—291.)



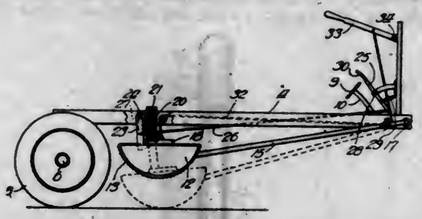
1. A clamp for a column form comprising two pairs of bars, the bars of each pair being pivoted together at one end, the pivoted ends of said bars being adapted to be disposed at opposite corners of said form with the bars extending along adjacent sides thereof, one bar of each pair overlapping a bar of the other pair at the other corners of said form, a member at each of said last mentioned corners having arms extending along the sides of the form embracing said overlapped bars and means acting on said arms and bars and disposed along the sides of said form for progressively drawing said bars toward said member and holding the same in clamping position.

1,636,144. DISTILLING WITH ALUMINUM CHLORIDE. ALMER MCDUFFIE MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed July 20, 1925. Serial No. 44,797. 4 Claims. (Cl. 196—54.)



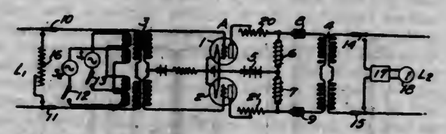
1. In the production of lower boiling oils from higher boiling oils with the aid of aluminum chloride, the process which comprises preliminarily subjecting the oil to be distilled with aluminum chloride to a purifying distillation with exhausted aluminum chloride sludge and thereafter again distilling the oil with fresh aluminum chloride.

1,636,145. BRAKE MECHANISM AND THE LIKE. JOHN A. MILLER, Chicago, Ill. Filed May 15, 1926. Serial No. 109,334. 2 Claims. (Cl. 280—160.)



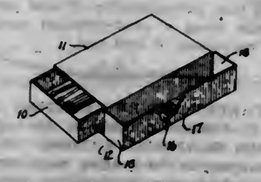
1. The combination with the rear wheels and brake mechanism of an automotive vehicle including the brake pedal for operating the brake mechanism, of a pair of vertically movable road cleaning devices in advance of the wheels, links connected to said road cleaning devices, pivotal connections between said links and the vehicle at a position in advance of said road cleaning devices, permitting said devices to be swung down into contact with the pavement directly in advance of the wheels, spring means tending to force the road cleaning devices downward against the pavement, a latch for normally sustaining the devices in a raised position, means convenient to the operator for raising the road cleaning devices to engage the latch, and means in proximity to the brake pedal aforesaid for disengaging the latch by the use of the foot which operates the pedal, to thereby allow the road cleaning devices to be lowered into operative position substantially as described.

1,636,146. CONTROL OF ELECTRIC WAVES. FRANKLIN MOHR, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 12, 1922. Serial No. 574,374. 7 Claims. (Cl. 178—44.)



1. The method of purifying the output wave of a wave combining circuit employing a pair of balanced space discharge tubes, which comprises controlling the amount of ohmic resistance in the output path of said wave in relation to the internal impedance of said tubes to neutralize in said output path any wave components present due to slight unbalance of said tubes.

1,636,147. COMBINED EMERGENCY ASH TRAY AND MATCH-BOX LOCK. ARLINGTON MOORE, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed May 18, 1921, Serial No. 469,166. Renewed Jan. 7, 1927. 3 Claims. (Cl. 206—38.)



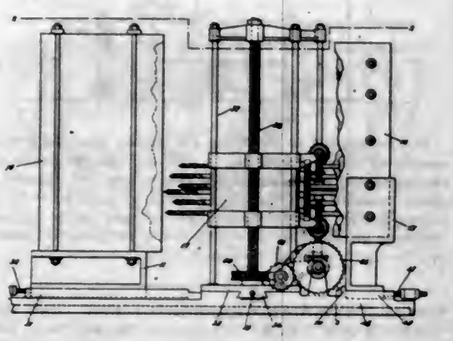
1. A match box having a tray hinged thereto, the end walls of the tray being adapted to grip the box when turned on its hinge.

1,636,148. CUTICLE STICK. AGNES PROVOST, Milwaukee, Wis. Filed Sept. 25, 1925. Serial No. 58,568. 1 Claim. (Cl. 132—73.)



In a manicuring implement, a barrel, a tubular carrier detachably mounted in one end of the barrel, an operating element, means for holding the operating element in one end of the carrier, a gasket in the opposite end of the carrier, a reservoir extended into the barrel and having its inner end received in the gasket, and a suction and discharge means on the outer end of the reservoir.

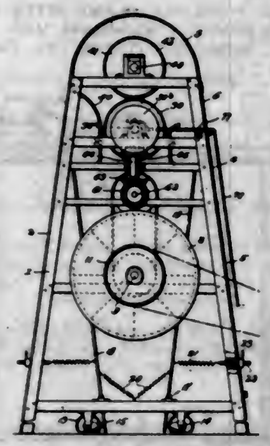
1,636,149. METHOD OF AND APPARATUS FOR MAKING SCULPTURES. MARIO SCHIESARI, New York, N. Y. Filed Feb. 5, 1924. Serial No. 690,776. 31 Claims. (Cl. 125—2.)



16. In a machine of the class described, the combination, with an axially movable carving tool, and a traveling carrier therefor, of means controlling the axial movement of said tool, independently of said carrier, as said carrier travels along a predetermined path, transverse to the axial movement of said tool.

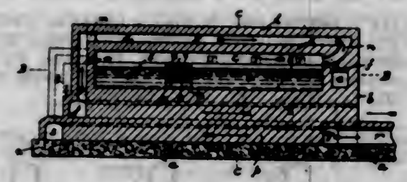
1,636,150. CARPET AND RUG BEATING APPARATUS. HERMAN L. SCHNEIDER, Chicago, Ill. Filed June 3, 1926. Serial No. 113,451. 3 Claims. (Cl. 15—12.)

1. In an apparatus for beating rugs, carpets and the like, and in combination, a frame, a casing carried by the frame and having sides spaced apart and also having a top, side doors, a roller mounted in the frame and adapted to move a carpet, rug or the like, fed thereover, a gravitational roller mounted above the first-named roller and adapted to press a carpet, rug or the like against the latter, guide shoes at opposite sides of and spaced from the first named roller, means for rotating the first-named roller in opposite directions, said means controllable by an operative, sets of oscillatory beaters having beater arms and tappet arms, spring means associated with the beater arms and the frame for forcibly



moving said beater arms against a carpet, rug or the like, rotary tappet means arranged to cooperate with the tappet arms of the beaters to move the beater arms thereof away from a rug, carpet or the like, means associated with the beater arms of the beater and the frame, whereby any one of the beater arms may be rendered idle, and a blower fan located at one end of the frame and adapted to force air longitudinally through the frame and alongside the beaters.

1,636,151. FURNACE FOR MELTING AND REFINING GLASS AND OTHER LIKE PURPOSES. JOHN SCHOFIELD SHAW, Leeds, England. Filed June 16, 1924, Serial No. 730,309, and in Great Britain Aug. 23, 1923. 6 Claims. (Cl. 49—54.)

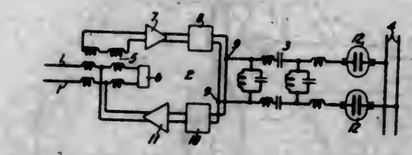


1. In a furnace for melting and refining glass, a dividing wall, said wall being formed of a plurality of renewable blocks, a plurality of passages extending longitudinally through said wall for receiving a cooling medium, a central wall provided by said passages and cooled upon opposite sides by said cooling medium, a second series of passages extending transversely through said wall whereby the molten material upon one side of said furnace may pass to the other division thereof.

1,636,152. WAVE FILTER. TIMOTHY E. SHEA, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,361. 7 Claims. (Cl. 178—44.)

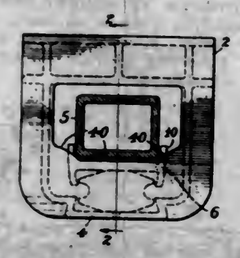
1. A frequency selective wave transmission system comprising a wave filter having two pairs of terminals

and having transmission devices representing terminal impedances connected to said pairs of terminals, said filter being so proportioned that the image impedance at one pair at least of its terminals is greatly different from



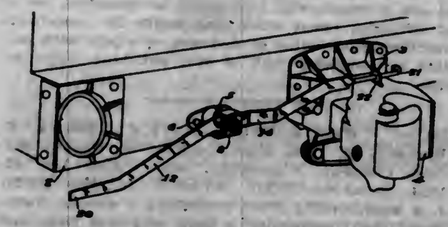
the terminal impedence connected thereto throughout the major part of the range of free transmission and is equal to the connected terminal impedance at a frequency close to a limit of free transmission whereby reflection loss is eliminated in the neighborhood of said limit.

1,636,153. COUPLER-POSITIONING DEVICE. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 19, 1926. Serial No. 102,977. 6 Claims. (Cl. 213—21.)



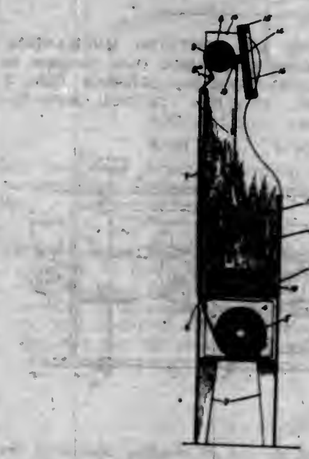
1. In a railway car; the combination of a laterally movable coupler, a single eccentric roller which raises the coupler upon lateral movement thereof, and a member positioned below the coupler with its upper surface substantially parallel to the path described by the coupler upon lateral movement.

1,636,154. UNCOUPLING DEVICE FOR CAR COUPLERS. ARTHUR E. SMALL, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed June 4, 1923. Serial No. 643,278. 29 Claims. (Cl. 213—164.)



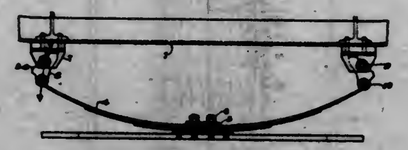
1. In an uncoupling device for a railway car a fulcrum having a journal, an operating lever mounted directly upon said journal, a pin lifting lever mounted directly upon said journal, and a separate connector for said levers mounted on said journal.

1,636,155. TOWEL CABINET. FRANK M. STEINER and GOTTFRID OLSON, Minneapolis, Minn., assignors, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah, a Corporation of Utah. Filed Sept. 17, 1921. Serial No. 501,291. 1 Claim. (Cl. 45—32.)



A towel cabinet comprising a casing having a chamber in its lower portion adapted to receive a supply of clean towel and a rear opening through which the web of clean towel is stretched upwardly, a roll in the upper part of the cabinet over which the clean web is passed forwardly to the user, said roll having a roughened surface for frictional contact with the web, to be revolved when the loose depending web end is pulled by the user, the front of the casing having an opening and the loose depending web end being positioned by said roll close to said opening to be conveniently grasped by the user, said web contacting with a greater portion of the peripheral surface of said roll to insure its movement, a stop mounted on said roll, a second fixed stop mounted on the cabinet in front of said roll in the path of said first mounted stop between which stops the web of towel is gripped and for limiting the rotation of said roll and the feed of the towel when the user pulls on the clean towel, the stop on said roll moving from a point adjacent said second stop on one side thereof to an adjacent point on the other side in the rotation of said roll, and means for automatically returning said roll to its normal position with both stops in a towel gripping position when the pull on the towel is released.

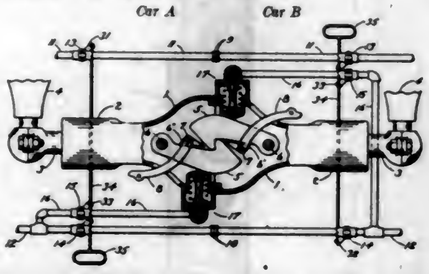
1,636,156. DIAPHRAGM BUFFER MECHANISM. NICHOLAS C. THALHEIMER, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 8, 1924. Serial No. 754,593. 8 Claims. (Cl. 105—14.)



1. The combination with the end wall and diaphragm face plate of a railway car, of shackles pivotally connected at one end to said end wall, a semi-elliptical spring having its middle portion secured to said face plate and having its extremities pivotally connected to the other ends of said shackles, and means to limit the swinging movement of said shackles toward the center

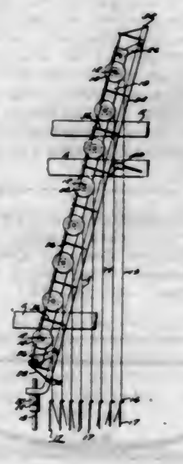
of the car, the minimum possible distance between the ends of the shackles to which the spring is attached being greater than the normal distance between the extremities of the spring, whereby the spring must be compressed before it can be attached to the shackles.

1,636,157. CAR AND AIR COUPLING MECHANISM. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed Sept. 25, 1924. Serial No. 739,813. 16 Claims. (Cl. 213—76.)



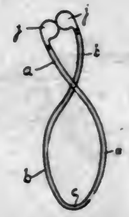
1. In a system of car and air coupling devices on two cars, the combination therewith of a source of fluid pressure, valves controlling the flow of fluid pressure to the air coupling devices, pneumatic operated means to prevent the car coupling devices uncoupling when the controlling valves are open and means to automatically supply air pressure to pneumatic means when the controlling valves are open and the car couplers thus prevented from uncoupling.

1,636,158. BOBBIN-BRAKING MECHANISM. HENRY J. TYNAN, Ridgewood, N. J. Filed Sept. 2, 1924. Serial No. 735,294. 4 Claims. (Cl. 242—131.)



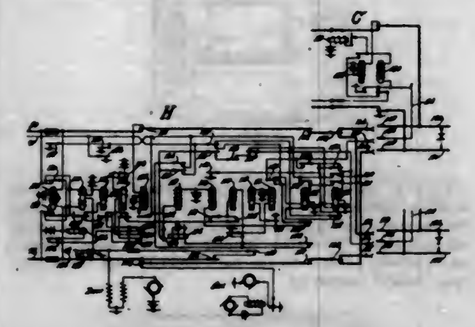
1. In thread working apparatus equipped with stop mechanism, a creel, a plurality of bobbins thereon from which threads are drawn, a single flexible brake member applied to all the bobbins in the series, and means coming into action upon operation of the stop mechanism for applying tension to the flexible braking member adjacent to each bobbin.

1,636,159. MASSAGING APPARATUS. ERNST UNNÉ, Harrogate, England. Filed Dec. 13, 1920, Serial No. 430,564, and in Great Britain June 9, 1920. 1 Claim. (Cl. 128—59.)



A dental massaging device comprising a pair of cross arms yieldably connected at one end to permit movement towards and from one another, the free ends of the arms being normally urged towards one another and adapted to be opened upon application of pressure adjacent the connected ends of the arms, and yieldable gum and teeth treating instrumentalities carried by the free ends of each of the arms, said instrumentalities being curved and normally contacting with each other.

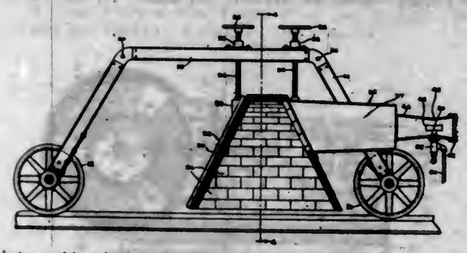
1,636,160. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,742. 16 Claims. (Cl. 179—18.)



9. In a telephone system, a rotary connector switch having directively controlled primary and secondary movements and automatic secondary movement, means for operating said switch in its several movements as set forth, two sets of wipers and two wiper switching relays for said switch, means for operatively connecting up one of said sets of wipers with said switch by energizing one of said switching relays alone, and means for operatively connecting up the other of said sets of wipers with said switch by energizing both of said switching relays together.

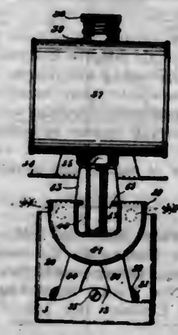
1,636,161. WEED-BURNING DEVICE. HORACE E. WOOLERY, St. Paul, Minn., assignor to Woolery Machine Company, Minneapolis, Minn. Filed Dec. 27, 1924. Serial No. 758,343. 3 Claims. (Cl. 126—271.2.)

1. A weed burning device comprising a wheeled frame, a metal shell constituting a hood supported from said frame and having an open bottom in proximity to the ground, a refractory lining for the top and sides of said metal shell extending to the bottom of the latter, the front wall of said hood having a single large opening thru the metal and refractory lining, a tubular member connected with said opening, said tubular member constituting a mixing chamber, a blower, a delivery tube extending from said blower for delivering a blast of air



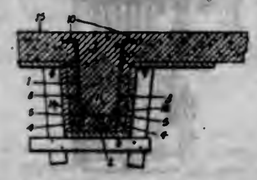
into said mixing chamber, and a supply pipe for delivering liquid fuel into position to be picked up by said blast of air.

1,636,162. SELF-HEATING SADIRON. CHARLES E. ADAMSON, Muncie, Ind., assignor of one-half to James S. Renner, Huntington, Ind. Filed Feb. 5, 1925. Serial No. 7,003. 9 Claims. (Cl. 158—23.2.)



1. In a self heating iron of the class described, parallel twin burners forming a part of the iron body, parallel gas producing tubes communicating with the burners, a fuel supply tank and a fuel trap attached to the gas tubes and communicating with the tank at a point from below the said tubes.

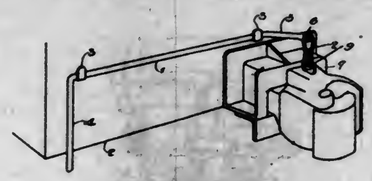
1,636,163. STRUCTURAL UNIT. DEWEY H. BITNEY, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Nov. 6, 1925. Serial No. 67,256. 7 Claims. (Cl. 72—110.)



7. A structural unit comprising a plurality of upright upwardly facing U-shaped elements disposed in spaced relation, and longitudinal rods secured to said elements for supporting them in upright relatively fixed spaced relation, one or more of said elements being provided with form spacing means.

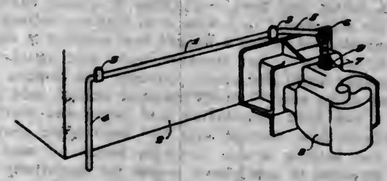
1,636,164. DEVICE FOR OPERATING CAR COUPLERS. CHARLES D. BONSALL, New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 24, 1924. Serial No. 745,635. 11 Claims. (Cl. 213—166.)

1. A connector for a railway car coupler and its operating rod comprising two pairs of complementary members, each pair of complementary members pivotally connected to move opposite each other to form a closed eye,



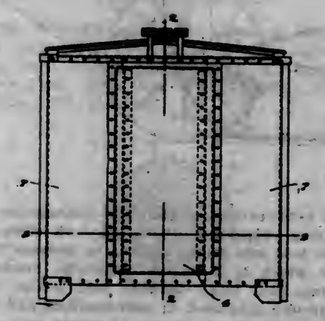
and means for detachably securing each pair of said complementary members in the position forming a closed eye.

1,636,165. DEVICE FOR OPERATING CAR COUPLERS. CHARLES D. BONSALL, New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 24, 1924, Serial No. 745,635. Divided and this application filed Sept. 28, 1925. Serial No. 59,088. 4 Claims. (Cl. 213—166.)



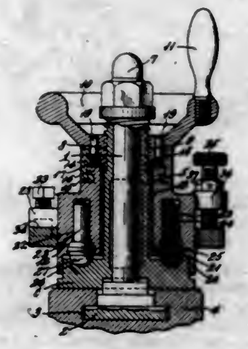
1. A connector for a railway car coupler and its operating rod comprising two pairs of complementary members, each pair of complementary members pivotally connected by a pin to move opposite each other to form a closed eye, said pin also pivotally connecting said pairs of members together, and means for detachably securing each pair of said complementary members in the position of a closed eye, said members each provided with a plurality of holes arranged to be aligned with the holes in the other members to accommodate the pin so as to vary the length of the connector.

1,636,166. END WALL FOR RAILWAY CARS. CHARLES DAVID BONSALL, New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 12, 1926. Serial No. 141,200. 5 Claims. (Cl. 105—410.)



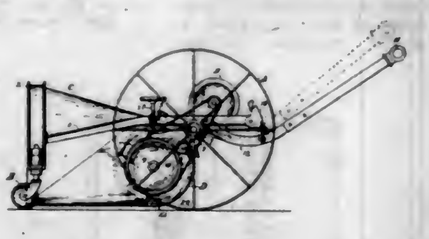
1. An end wall for a railway car comprising two metallic plates, each formed with a body, a web, and a flange, the flange of each plate secured to the body of the other plate with a space between said webs.

1,636,167. TURRET TOOL POST. MILAN BOZSIN, Cleveland, Ohio. Filed June 15, 1923. Serial No. 645,588. 2 Claims. (Cl. 29—49.)



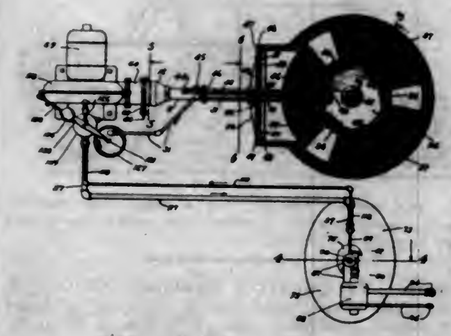
1. A turret tool post, comprising a spindle having a head for attachment to a lathe rest, a sleeve surrounding said spindle and having a flanged base adapted to engage said lathe rest, a nut threaded upon said spindle for engagement with said sleeve, whereby the flanged base of said sleeve may be firmly clamped against said lathe rest, a tool head surrounding said sleeve and overlying the flanged base thereof, said tool head being provided with tool holding means, operating means for said tool head threaded to said sleeve, means for operatively connecting said tool head with said operating means, whereby rotary movement of said operating means relative to said sleeve effects longitudinal movement of said tool head relative to said sleeve, said connecting means being provided with flanges for interlocking engagement with a flange of said tool head and a flange of said operating means, the flanged base of said sleeve being provided with a series of recesses, and spring pressed members associated with said tool head and adapted for cooperation with the recesses of the flanged base of said sleeve.

1,636,168. SAND-CUTTING MACHINE. OSCAR A. BUTTERFIELD, Battle Creek, Mich. Filed Feb. 9, 1925. Serial No. 7,974. 11 Claims. (Cl. 259—144.)



1. In a sand-cutting machine, the combination with a frame having supporting wheels on both sides thereof adapted to hold said frame uniform in distance from the path over which it is moved, adjustable brackets suspended from said frame between said wheels, a sand-cutting cylinder journaled in said brackets and between the axes of said wheels, means to rotate said cylinder, means to guide the movements of said machine, a hood carrier by said frame over said cylinder adapted to gather the sand into a sloping-sided ridge at the rear of the machine as said machine is moved over a floor of sand.

1,636,169. LIQUID-FUEL HEATING APPARATUS. CHARLES H. CHALMERS, Minneapolis, Minn. Filed Aug. 4, 1922. Serial No. 579,671. 3 Claims. (Cl. 158—28.)



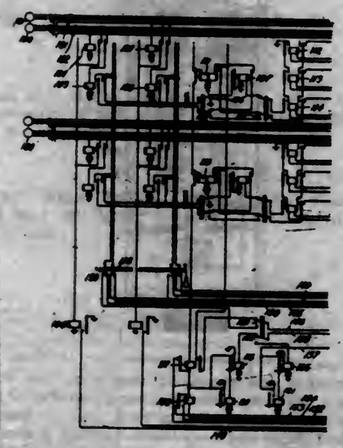
1. In a liquid fuel heating apparatus, the combination of a fuel-spraying nozzle adapted upwardly to spray liquid fuel, a drip-pan surrounding said nozzle, a target adapted to be supported above said spray nozzle whereby the fuel may be sprayed upwardly thereagainst, a demountable auxiliary drip-collecting means extending upwardly and outwardly beyond the periphery of the drip-pan, and means demountably to secure said auxiliary means to the drip-pan.

1,636,170. STEPPING MECHANISM. MERLE PEABODY CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 5, 1924. Serial No. 730,178. 6 Claims. (Cl. 179—27.5.)



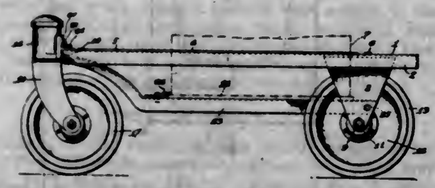
1. In a stepping mechanism, a device responsive to impulses, a driven member operated thereby, a stepping magnet, a driven member operated thereby, means for mechanically inter-relating the two driven members aforesaid, means for supplying impulses to the impulse responsive device whereby it is operated and its driven member is set, means responsive to the movement of the driven member last mentioned, whereby the stepping magnet is operated and its driven member is caused to be stepped until the inter-relation between the driven members is once more resumed.

1,636,171. TELEPHONE-EXCHANGE SYSTEM. EDGAR H. CLARK, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 3, 1923. Serial No. 678,115. 5 Claims. (Cl. 179—18.)



1. In combination, a selective switch, a non-interfering master control circuit for controlling the operation of said selective switch, means for taking said master circuit out of service, and means for automatically operating the switch thereafter without the use of any non-interfering master circuit.

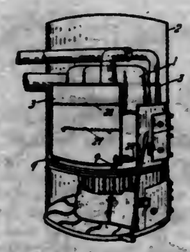
1,636,172. TRUCK. JOHN W. COATES, Detroit, Mich. Filed Oct. 5, 1925. Serial No. 60,470. 4 Claims. (Cl. 280—49.)



4. A set of rear wheels, a single front swivel wheel, a platform of greater width than the rear set of wheels and supported in a plane above all of said wheels, said platform having an opening, and supports converging from the rear wheels to the front wheel, said supports being in a plane between said platform and a plane passing through the axes of all of said wheels.

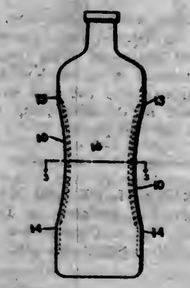
1,636,173. AUXILIARY HEATER FOR FURNACES. ERNST F. DIEHM, Akron, Ohio, assignor to XXth Century Heating and Ventilating Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 6, 1925. Serial No. 67,281. 4 Claims. (Cl. 126—116.)

1. An auxiliary gas heater for coal furnaces, which is arcuately shaped to fit between the main furnace and the casing, said heater comprising side and end walls, and a combined burner and base plate, the side walls converging upwardly, a baffle plate and a perforated



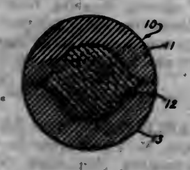
spreader located within the heater, and means to discharge the products of combustion from the top of the heater.

1,636,174. BOTTLE. JOHN R. DOLAN, Mount Vernon, N. Y., and JOHN P. SHEA, Greenwich, Conn., assignors to United Ammonia Company, Inc., Port Chester, N. Y., a Corporation of Delaware. Filed July 31, 1924. Serial No. 729,208. 1 Claim. (Cl. 215—1.)



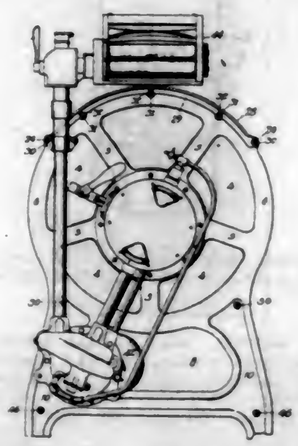
A bottle for household use having two opposite concave sides and two substantially flat sides for pasting labels thereon, depressed areas in the concaved sides and closely arranged vertical parallel ridges within the concave sides whose tops are not higher than the surface of the bottle surrounding the depressed area, said concaved portion and ridges cooperating to form an antislipping hand hold.

1,636,175. SOLDERING UNIT. JOSEPH WILLIAM FAY, Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 9, 1924. Serial No. 731,179. 1 Claim. (Cl. 113—110.)



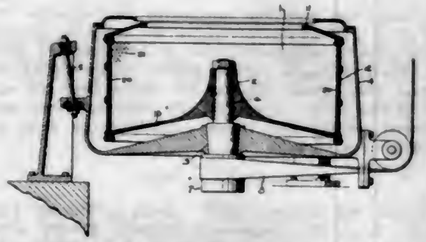
A spherical soldering pellet comprising a substantially spherical core of fluxing material, and a spherical shell of solder completely sealing the core of fluxing material therein and presenting a smooth outer surface.

1,636,176. WASHING-MACHINE CASING. ALVA J. FISHER, Evanston, Ill., assignor to Hurley Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 17, 1919. Serial No. 338,511. 17 Claims. (Cl. 220—4.)



1. A stamped metal washing machine casing comprising a substantially cylindrical tub composed of a curved body plate and end plates of sheet metal, end frames of sheet metal detachably interlocked with the end plates and adapted to support said tub and means cooperating with the end frames for holding them in position and in connection with the end plates.

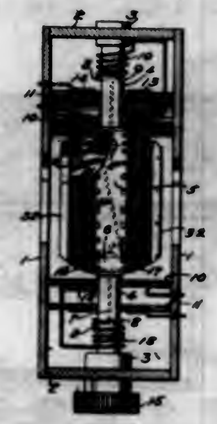
1,636,177. CENTRIFUGAL DRYING MACHINE. JOHN S. GAGE, Chicago, Ill., assignor to Tolhurst Machine Works, Troy, N. Y., a Corporation of New York. Filed Feb. 28, 1920. Serial No. 362,108. 8 Claims. (Cl. 210—76.)



3. A centrifugal drying machine including in combination a rotating basket having a perforate vertical wall and a screen sheet therewithin of vulcanized material having perforations therethrough and projections on the back side thereof spacing it away from the basket wall and providing a circulating space for fluid passing through the perforations in the screen sheet and thence through the perforations in the basket wall.

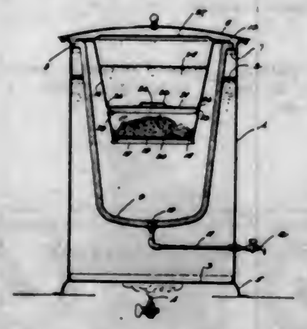
1,636,178. VARIABLE INDUCTIVE DEVICE. JOHN O. GARGAN, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1921. Serial No. 524,370. 19 Claims. (Cl. 175—359.)

1. A method of making a support for the movable coil of an inductive device from a cylinder of insulating material which comprises slotting the end portions of the cylinder, deforming the end sections to constitute spaces for coil windings having ventilating openings, and maintaining the end portions deformed.



12. A support and a winding thereupon, said support comprising a cylindrical body portion, a plurality of finger-like projections extending from each edge of said body portion, said finger-like projections forming a somewhat rounded frusto-conical surface connected to each edge, said winding having turns wound upon said surface.

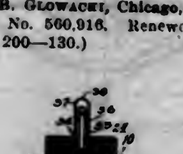
1,636,179. COFFEE URN. RICHARD S. GEHLERT, Detroit, Mich. Filed Apr. 4, 1925. Serial No. 20,668. 1 Claim. (Cl. 53—3.)



A coffee urn comprising a receptacle adapted to contain heated water, a vitreous coffee container suspended in said receptacle, a coffee holder suspended in said container, a strainer forming the bottom of said holder, a peripheral bead struck inwardly from the wall of said holder, spaced lugs formed on the inner wall of said holder and above said bead, a perforated partition adapted to rest on said bead, said partition having marginal notches adapted to pass said lugs.

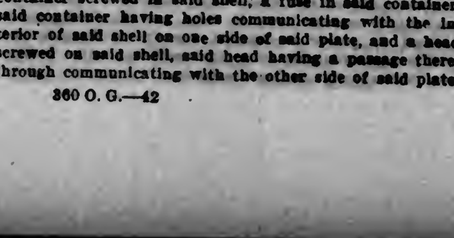
1,636,180. POSITIONING DEVICE FOR RAILWAY-CAR COUPLERS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 19, 1926. Serial No. 103,049. 3 Claims. (Cl. 213—21.)

1. In a railway car; the combination of a coupler support, a coupler carriage having means to restrict the lateral movement of the coupler relative thereto, a pair of rollers interposed therebetween having curved surfaces engaging, respectively said support and said carriage, the radius of each surface being greater than half the depth of the rollers, said support and said carriage, respectively,



provided with means which engage the rollers upon lateral movement of the coupler, and a link connecting the rollers for simultaneous movement.

1,636,181. VISE. THOMAS GLASSEY, Red Bank, N. J. Filed Sept. 20, 1926. Serial No. 136,558. 5 Claims. (Cl. 81—36.)



1. A vise comprising a casing open at its top, a cover therefor, a stationary jaw at the forward end of the casing, a coacting movable jaw, a block slidably arranged within the casing, a rotatable shaft extending through the forward end of the casing, the inner end of the shaft extending through the block, means for securing the block against sliding movement on the shaft, the outer end of the shaft extending through the movable jaw, means for preventing the sliding movement of the last mentioned jaw on the shaft, a handle secured on the outer end of the shaft for actuating the same, ratchet teeth arranged on the bottom of the cover, a pawl carried by the block and cooperating with the ratchet teeth for securing the movable jaw in its adjusted position with respect to the stationary jaw, and cooperating means associated with the shaft and the pawl for disengaging the pawl from the ratchet teeth to permit the sliding movement of the shaft and the block, and movable jaw carried thereby.

1,636,182. FUSE PLUG, SCREW TYPE, WITH INDICATOR. JOHN B. GLOWACKI, Chicago, Ill. Filed May 15, 1922, Serial No. 560,916. Renewed Dec. 8, 1926. 4 Claims. (Cl. 200—130.)



1. A screw-threaded shell, a dished plate secured in one end thereof, said plate having holes therethrough, a fuse container screwed in said shell, a fuse in said container, said container having holes communicating with the interior of said shell on one side of said plate, and a head screwed on said shell, said head having a passage therethrough communicating with the other side of said plate.

1,636,183. VANITY BOX. FREDERICK GOERTZ, Newark, N. J., assignor to August Goertz & Co., a Corporation of New Jersey. Filed July 8, 1924. Serial No. 724,780. 5 Claims. (Cl. 132—83.)



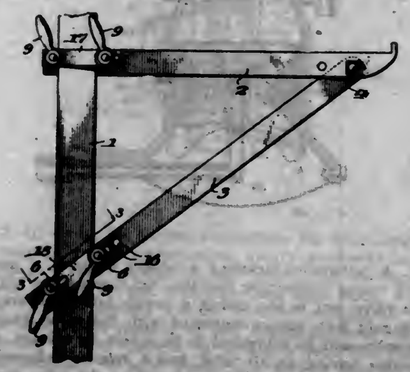
1. A vanity case comprising a partition-member, a band marginally encircling said member, a hinge-member secured to said band, and a pair of cover-members pivotally connected with said hinge-member, said cover-members being provided with right-angled closing flanges adapted to enter into closing engagement with the inner surface-portions of said band.

1,636,184. RECEPTACLE. FREDERICK GOERTZ, Maplewood, and WILLIAM E. WACKER, Newark, N. J., assignors to August Goertz and Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Oct. 8, 1925. Serial No. 61,208. 7 Claims. (Cl. 132—83.)



1. A receptacle comprising a pair of opposed concavo-convex container bodies, an intermediate member, means for interhinging said bodies and member together so that the former respectively close telescopically over the opposite sides of the latter, said intermediate member having an external annular bead upon opposite sides of which said containers are stopped when closed, and one container body having a catch element movable across the outer periphery of said intermediate member into engaged relation to the opposite container body to retain said parts in closed relation.

1,636,185. ADJUSTABLE POST BRACKET. JAMES R. GOODWIN, Evansville, Ind.; Percy E. Goodwin and Walter C. Goodwin, administrators of said James R. Goodwin, deceased, assignors to The Steel Scaffolding Company, Evansville, Ind., a Corporation of Indiana. Filed Feb. 13, 1924. Serial No. 692,574. 1 Claim. (Cl. 304—33.)



In a post bracket, the combination with an arm of angle-iron, of a brace therefor which is of angle-iron, and means for independently securing the arm and the brace

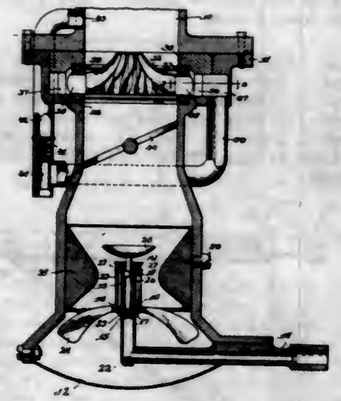
to a post, comprising in one instance J-shaped screw bolts whose shanks pass through one web of the brace and in the other instance J-shaped screw bolts whose shanks pass through one web of the arm, said screw bolts each having a hook at one end and a nut at the other end, the hooks snugly embracing a web of arm and brace and the shanks lying against the webs embraced by the hooks, and clamp plates through which the nut-carrying ends of the bolts pass.

1,636,186. COLLAPSIBLE RECEPTACLE. CHARLES A. HICKSON, Westfield, Mass., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Apr. 7, 1923. Serial No. 630,492. 4 Claims. (Cl. 150—49.)



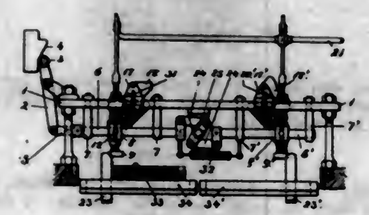
1. A collapsible receptacle composed of flexible material, pockets in the top and bottom edges of the receptacle, each pocket having an opening thereinto, a frame located in each of said pockets, each frame being composed of two members one of which is adapted to be slid into the pocket in one direction and the other is adapted to be slid into the pocket in another direction, and means for securing the adjacent ends of said members together after being slid within the pockets.

1,636,187. CARBURETOR. JOHANNES B. KESSEL, Chicago, Ill. Filed May 2, 1925. Serial No. 27,382. 3 Claims. (Cl. 261—89.)



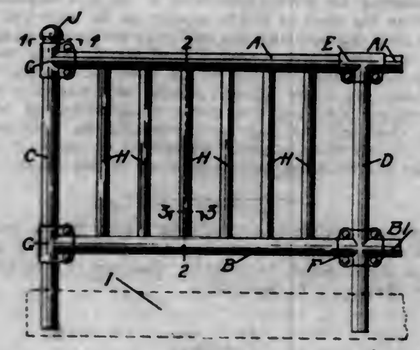
1. A carburetor including a mixing chamber, a needle valve casing discharging fuel into the chamber, an adjustable valve seat in the casing, a needle valve co-operating with said seat, means connected with the valve whereby the valve will be controlled in its action by suction, said chamber having an air inlet, and a spinner independent of the valve and rotatably supported by the valve casing, said spinner being operable by suction independently of the valve for causing a mixture of the air and fuel in the said chamber.

1,636,188. PRESS FEEDING. PATRIK WALDEMAR LARSSON and OSKAR EDVIN FORSBERG, Gottenborg, Sweden, assignors to Aktiebolaget Princeps, Gottenborg, Sweden, a Corporation of Sweden. Filed Jan. 5, 1925, Serial No. 477, and in Sweden July 7, 1924. 9 Claims. (Cl. 271—59.)



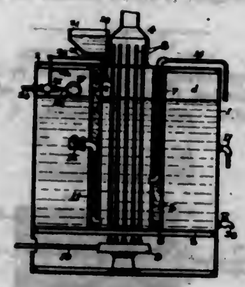
1. In automatic feeding apparatus for printing presses, a device for the lateral registering of the sheets consisting of a suction-foot in communication with a suction apparatus and mounted in a carrier on a longitudinally movable sliding bar adapted to be reciprocated by means operated from the driving mechanism of the press, a stop arranged in the path of the suction-foot so as to move same in the carrier transversely to the bar, and stationary rule at one end of the sheet.

1,636,189. PANEL FOR ANIMAL PENS. ROBERT B. LOUDEN, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a Corporation of Iowa. Filed Oct. 17, 1924. Serial No. 744,142. 3 Claims. (Cl. 256—24.)



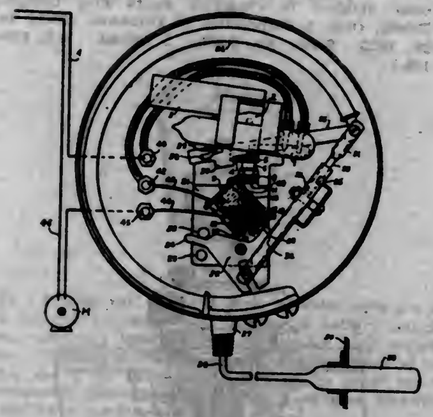
1. In ready made panels for animal pens, the combination of a pair of spaced apart longitudinally disposed tubular members having corresponding holes in the walls of their adjacent sides and a series of spaced apart transversely disposed fillers corresponding to the number of holes in the members, said fillers being of a diameter to tightly fill the holes in the members, the extreme ends of the fillers being tapered or beveled for easy initial entrance into the holes, and then being tightly pressed by power mechanism therein until their ends will be approximately in contact with the outer walls of said horizontally disposed members.

1,636,190. APPARATUS FOR WASHING VEHICLES. FRANK D. MAHONEY, San Anselmo, Calif. Filed July 30, 1925. Serial No. 47,019. 15 Claims. (Cl. 299—84.)



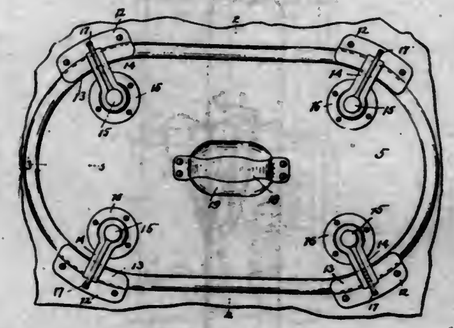
1. An apparatus for washing vehicles comprising, a plurality of liquid containers, a pump connected to the containers whereby liquid may be withdrawn from any or all of the containers and ejected under pressure, means connecting the containers whereby the same liquid levels may be maintained in all of the containers and means for automatically delivering a cleansing material to one of the containers.

1,636,191. PRESSURE-ACTUATED ELECTRIC CONTROL DEVICE. IRA E. MCCABE, Chicago, Ill. Filed Nov. 9, 1925. Serial No. 67,796. 5 Claims. (Cl. 200—122.)



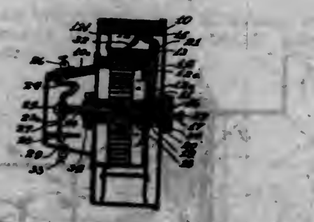
1. In a pressure actuated electric control, an electric switch, means normally acting to hold the switch in open position, detachable means for holding the switch in closed position, an operating member therefor in circuit with the switch and operable by variations in current passing therethrough to release said switch holding means, an expansible and contractable member, means actuated thereby to cause variations in the current passing through the operating member of the switch holding means, and additional means operable thereby to mechanically detach said switch holding means.

1,636,192. FLUID-TIGHT CLOSURE MEMBER FOR WASHER DRUMS. HARRY W. MITCHELL, Cleveland, Ohio, assignor to G. F. Mitchell & Son, a Partnership composed of George F. Mitchell, George R. Mitchell, and Harry W. Mitchell, Cleveland, Ohio. Filed June 11, 1924. Serial No. 719,290. 8 Claims. (Cl. 220—55.)



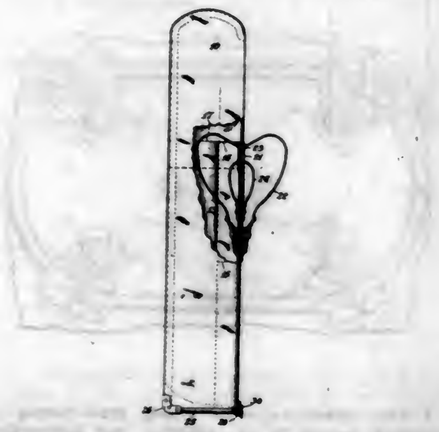
1. The combination of a washer drum having an elongated opening in its cylindrical wall intermediate the ends thereof, of a unitary closure member having a body portion adapted to fit in the opening and having a curvature corresponding to the curvature of the cylindrical wall, said cover having an inwardly offset marginal portion adapted to engage the interior of the drum around the edge of the opening, and a plurality of clamping members, each pivoted upon the outer side of the closure member adjacent the edge thereof and movable into and out of engagement with the wall of the drum adjacent the opening.

1,636,193. REEL FOR ELECTRIC CONDUCTORS. ALBERT E. F. MOORE, Chicago, Ill., assignor of one-third to J. M. Coughlin, Chicago, Ill. Filed Dec. 14, 1923. Serial No. 680,634. 20 Claims. (Cl. 200—153.)



3. In a reel for electric conductors, the combination of a support, a shaft mounted for rotary movement in said support, a reel carried by said shaft, two electric contacts carried by and insulated from said shaft, a first one of said contacts having threaded engagement with said shaft to be engaged by and disengaged from the second one of said contacts by motion of said first contact longitudinally of said shaft, and devices between said first contact and said support preventing rotary movement of said first contact, the second one of said contacts having a yielding element for engaging the first one of said contacts.

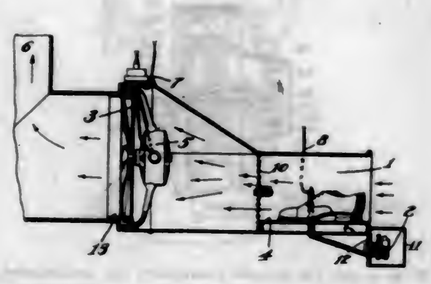
1,636,194. GOLF BAG. ROBERT THOMAS MULLINS, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed June 2, 1926. Serial No. 113,117. 9 Claims. (Cl. 150—1.5.)



1. A bag comprising a reversible body of flexible material and a slide actuated interlocking fastener adapted to secure edges of the body together in either position of the body.

5. A bag comprising a reversible body of flexible material, a handle passing through a slot in the body and attached to antipodal parts of the body, and a shoulder strap passing through a slot in the body and attached to opposite parts of the body and surrounding the handle.

1,636,195. APPARATUS FOR DRYING SHOES. JOHN WILLIAM QUINN, Hull, Mass. Filed June 25, 1925. Serial No. 39,601. 1 Claim. (Cl. 34—26.)



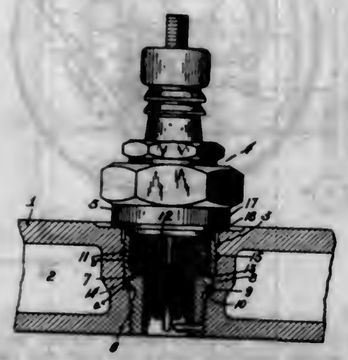
An apparatus for drying shoes coated with a liquid, comprising a chamber adapted to receive the shoes, said chamber being opened at one end and communicating directly with the outer atmosphere, a screen at the other end of the shoe receiving chamber, a perforated support in said chamber for holding the shoe in spaced relation to the bottom of the chamber, an electric heating means mounted outside of the shoe chamber below the perforated shoe support and adjacent the opening to the chamber, a second chamber having one end communicating with the shoe chamber through the screen and the other end opening to the atmosphere and a suction fan in said second chamber whereby the air preheated outside the first chamber is drawn through the shoe chamber.

1,636,196. STEEL-WOOL BUFFER. WILLIAM H. ROBBINS, Springfield, Ohio, assignor to The Williams Company, London, Ohio, a Corporation of Ohio. Filed Mar. 25, 1926. Serial No. 97,429. 5 Claims. (Cl. 15—230.)



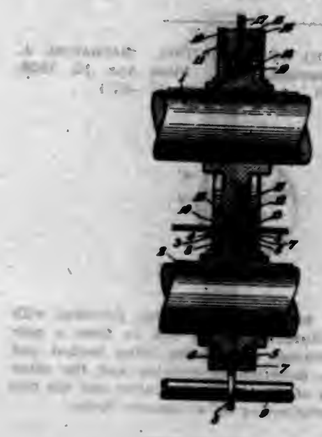
4. In combination, a buffer consisting of a layer of steel wool, a layer of retaining material, stitching to retain said wool and material to each other, said layers of retaining material and steel wool being wound into a roll, and stitching to prevent said roll from unwinding, said latter stitching being spaced at intervals throughout the roll and securing the layers of one winding to the layers of another winding, of means to support and actuate said buffer, means on said support to engage said buffer at one end, and means to adjustably mount said engaging means on said supporting means.

1,636,197. SPARK PLUG. OTTO C. ROHDE, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1925. Serial No. 5,355. 2 Claims. (Cl. 123—169.)



1. In combination a cylinder having a spark plug receiving opening therein with two longitudinally spaced gasket seats, and a spark plug for mounting in said opening having two seats complemental to the cylinder opening seats and either or both adapted to have gasket seating contact with the corresponding seat of the opening.

1,636,198. SLOTTING AND SCORING MACHINE. LOUIS H. SCHROEDER, Woodhaven, N. Y., assignor to Progressive Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 5, 1926. Serial No. 146,310. 11 Claims. (Cl. 93—58.)



6. A rotary male slotting head having a sectional scoring member and supporting means for the sections permitting relative angular adjustment therebetween, and slotting blades overlying the scoring member which are respectively fixed to the respective sections as regards angular movement.

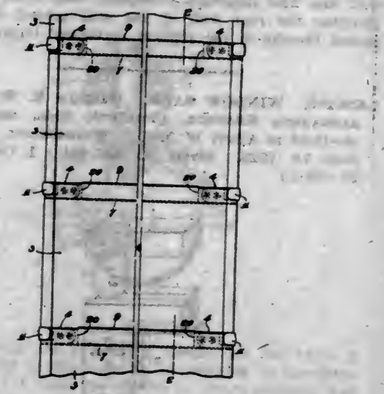
1,636,199. SANITARY MILK-PAIL COVER. CHARLES M. STEMEN, Johnstown, Ohio. Filed Dec. 30, 1925. Serial No. 78,285. 1 Claim. (Cl. 31—51.)



In a milking pail having a cover provided with a convex top and the usual inlet opening, a unitary attachment removably mounted in said opening, said attachment comprising a collar to fit said opening having at its upper end a lip and a shield, and at its lower end a downwardly dished annulus having a strainer attached to the lower end thereof.

1,636,200. SHUTTER OR DOOR. HENRY M. VETTERLEIN, Philadelphia, Pa., assignor of one-half to Henry Penn Burke, Philadelphia, Pa. Filed Aug. 30, 1926. Serial No. 132,429. 9 Claims. (Cl. 189—60.)

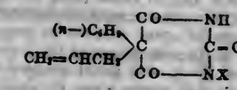
1. In a shutter or door, a plate having a down turned flange on its upper end providing a hook, a second plate having an upturned flange on its lower end providing a hook adapted to be raised into and lowered from the hook to the first named plate, and connecting blocks secured to the respective sides of the second named plate and having horizontally disposed hooks embracing the lateral edge portions of the first named plate, said blocks having parts extending in spaced relation to the body of the second named plate and providing cavities between



them and the second named plate, and a third plate having parts providing horizontally disposed hooks embracing the lateral edge portions of the second named plate and being constructed to enter said cavities when the second named plate is raised.

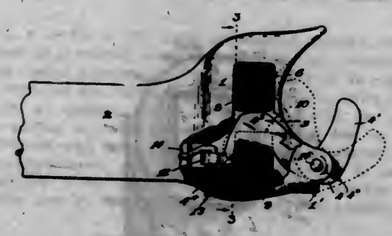
1,636,201. BARBITURIC-ACID DERIVATIVE. ERNEST H. VOLWILER, Highland Park, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a Corporation of Illinois. Filed July 16, 1926. Serial No. 123,011. 2 Claims. (Cl. 260—33.)

1. As new articles of manufacture, the barbituric acid derivatives



where X represents hydrogen, a metallic element, or an organic base.

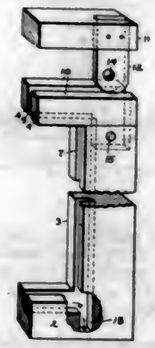
1,636,202. CAR COUPLING. JOHN H. TAYLOR, Peoria, Ill. Filed May 15, 1925. Serial No. 30,413. 2 Claims. (Cl. 213—122.)



1. In a coupler, a coupler-head including its usual open front cavity, there being a second cavity extending down through the top of the coupler-head opening into the first said cavity, a knuckle mounted in the head whose tail is adapted to swing through the said first cavity into the second said cavity, an inverted substantially flat U-shaped locking member rigid throughout slidable vertically in the said second cavity, the vertical walls of the

latter engaging one of the extensions of the member at its front and rear sides, the tail of the knuckle adapted to engage behind part of the rear surface of the said extension, the other of the extensions engaging behind the tail of the knuckle at the guard arm side of the knuckle holding the same in the described engagement with the first described extension, said other extension abutting the rear wall of the said second cavity and guided thereby in the vertical movement imparted to it.

1,636,203. WINDOW SASH. WILLIAM R. WILKES and ALEXANDER KENNEDY, Cleveland, Ohio, assignors of one-third to Albert W. McCoy, Williamsport, Pa. Filed June 14, 1923. Serial No. 645,424. 1 Claim. (Cl. 20—56.2.)



A window sash, comprising a grooved frame having a slotted cross piece at its top, adapted to removably receive and seat a sheet of glass, the upper ends of said side pieces of said frame being slotted additionally to a greater depth, a detachable reenforcing and covering guard rail for said slotted cross piece having depending metal tongues at its opposite ends corresponding in thickness to said sheet of glass adapted to extend into the slots in the top of the side pieces of the frame and below said slotted cross piece, said metal tongues forming continuations of said side pieces when in place, and screws extending horizontally through the slotted ends of said side pieces in detachable connection with said tongues.

1,636,204. FRUIT PRESS. ARTHUR WURDACK, Normandy, Mo. Filed July 1, 1925. Serial No. 40,812. 5 Claims. (Cl. 210—149.)



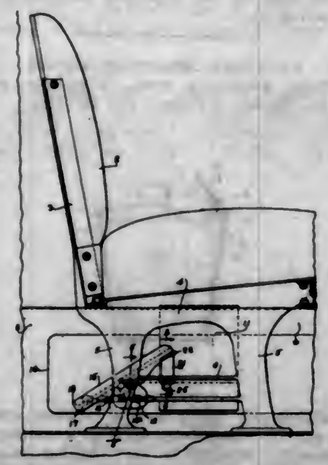
1. A machine of the character described comprising an enclosing receptacle, a rotary shaft extending longitudinally through the receptacle having a perforated side wall portion, a chamber attached to said shaft and arranged to contain the material from which juices are to be removed and having perforated side walls, a rubber in said receptacle and rotated with said chamber for agitating the materials passing from said chamber into said receptacle and arranged to scrape over said perforated wall portion, and springs pressing said rubbers toward the wall of said receptacle.

1,636,205. METHOD OF DREDGING. NATHANIEL A. YUILLE, San Francisco, Calif. Filed Apr. 12, 1926. Serial No. 101,231. 1 Claim. (Cl. 37—67.)



A rotary cutter for a suction dredge provided with fixed arms each bifurcated at its end to form a pair of sharp cutting blades, said blades being hooked and arched, one in the direction of rotation and the other in reverse direction of rotation of the cutter and the tips of the blades all terminating on a common circle.

1,636,206. FOOT REST. FREDERIC W. BACON, New York, N. Y. Filed Oct. 23, 1926. Serial No. 143,584. 3 Claims. (Cl. 155—165.)



2. In a foot rest, an angle bar, supporting members adjacent said angle bar, a plate constituting the foot rest proper, trunnions carried by said plate and removably mounted in said supporting members, and a hinge connecting said plate to said angle bar.

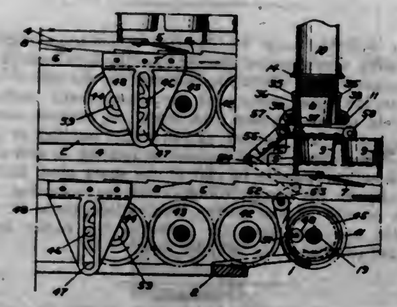
1,636,207. WRITING INSTRUMENT. ALBERT B. W. BARTHOLOMEW, Montreal, Quebec, Canada. Filed June 16, 1923. Serial No. 645,890. 9 Claims. (Cl. 120—18.)

1. In a mechanical pencil having a passageway for leads, a longitudinally movable element for propelling leads in said passageway, and rotary means operatively connected to the said element, said rotary means being constructed and arranged to be rotated in one direction and when so rotated to successively move the said element towards and away from the writing point without the aid of extraneous means.



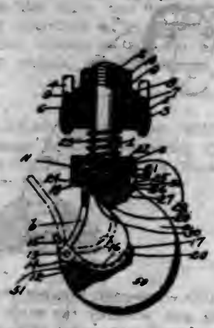
7. In a mechanical pencil, a cylindrical magazine divided longitudinally into a plurality of pockets each adapted to contain a marking unit and each having a discharge opening, and resilient means for exerting pressure upon each unit towards the discharge opening of its respective pocket independently of the other units.

1,636,208. RECEPTACLE-DEPOSITING MECHANISM. CHRISTIAN N. BERGMANN, Pittsburgh, Pa., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Sept. 29, 1923. Serial No. 665,604. 8 Claims. (Cl. 226—95.)



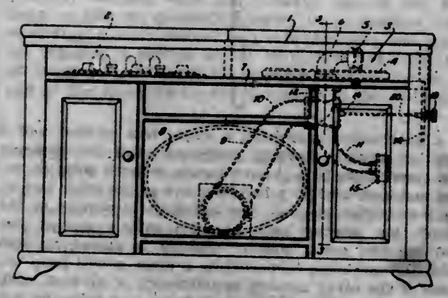
2. In apparatus for charging receptacles into carrying trays, the combination of a supporting frame having a trackway, a receptacle tray having longitudinally spaced pockets, means for intermittently moving the tray one space, a superimposed receptacle reservoir, means for detaching a receptacle therefrom for deposit in a registering pocket, and means controlled by the tray for actuating the detaching means.

1,636,209. HOOK. JOHN BERGSTEN, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Machine Company, a Corporation of California. Filed Jan. 22, 1923, Serial No. 614,084. Renewed Nov. 22, 1924. 3 Claims. (Cl. 24—233.)



1. In combination, a hook, a closure for the hook, a member carried by the hook to be movable to operative position where it holds the closure in closed position, and a spring actuated plunger operating to hold the member in an inoperative position when the closure is open.

1,636,210. COMBINED PHONOGRAPH AND RADIO RECEIVING APPARATUS. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed June 30, 1924. Serial No. 723,116. 6 Claims. (Cl. 179—100.1.)

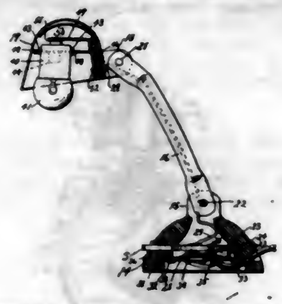


1. In a device of the class described, a tubular sleeve mounted in a cabinet, a phonograph tone arm connected to said sleeve, a neck connecting said sleeve to an amplifying horn, an arm connecting said sleeve to a radio loud speaker, a tubular valve revolubly mounted in said sleeve having a circular opening in one end and in one side thereof, and means connected to the closed end of said valve whereby said valve may be revolved to make the opening in the side coincide with either the arm or the tone arm to complete a passage to said amplifying horn.

1,636,211. ELECTRIC LAMP FOR RADIOS. CARL BRAMMING, Chicago, Ill., assignor to Accessories Manufacturing Company, a Corporation of Illinois. Filed July 30, 1925. Serial No. 46,936. 4 Claims. (Cl. 240—4.)

1. In an electric lamp, a base, an electric switch in said base for opening and closing the circuit to said lamp, a rigid arm pivoted to said base, a hood pivoted to

said arm, a lamp socket in said hood, said socket being provided with two contact members, a conductor leading from said base through said arm to one of said contact



members, a metallic connection between the other contact member and said arm whereby the same will constitute a return conductor from said socket to said switch.

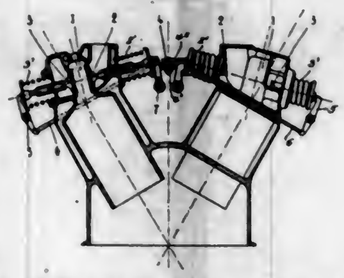
1,636,212. MARCEL HAIR WAVER. HUGO BROWNE, Los Angeles, Calif. Filed Feb. 14, 1923. Serial No. 619,066. 1 Claim. (Cl. 132—32.)



A hair waver comprising a single tine member and a two-tine member pivotally connected, each tine tapering and terminating in a sharp laterally directed point at one end and connected to a handle shank at the other end by an intermediate portion, the intermediate portion of the single tine member being provided with a slanted slot and the two prong member adapted to extend through said slot and being connected by a pivot spaced from the tines of the other member one-sixteenth of an inch, each tine being one-fourth inch in diameter and being formed of lateral curves consisting of concave and convex bends or sections merged into each other; and the convex and concave curves or bends merging into each other, the sides of the two outer tines terminating in parallel planes and the single or inner tine when viewed from its edge appearing to be between two parallel flat planes, the members being so constructed and pivoted together that when the waver is closed the single tine extends between and projects beyond the plane of the two tines and is oblique to such plane so that when the single tine is inserted between the scalp and the hair to be waved, and the waver is closed upon the hair raised by the single tine, the waved edges of the two tines bend the hair over and upon the waved edges of the single tine.

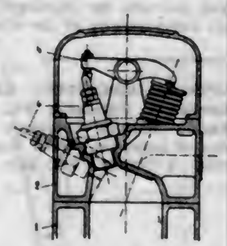
1,636,213. VALVE GEAR FOR EXPLOSION ENGINES. GIULIO CESARE CAPPA, Turin, Italy. Filed Feb. 13, 1925, Serial No. 8,904, and in Italy Feb. 23, 1924. 1 Claim. (Cl. 123—55.)

An internal combustion engine of the V-type comprising oppositely inclined cylinders arranged in pairs each having a combustion chamber forming a head extension thereof that with respect to the cylinder axis is less inclined than the corresponding cylinder, oppositely arranged suction and outlet valves opening into each combustion chamber at right-angles to the axis of the latter and alined with regard to each other so that the axes of the valves of each pair of cylinders meet in a plane of symmetry, a cam shaft adjacent said plane, a cam on the



shaft for directly engaging the stems of the valves situated on the inner side of each pair of cylinders, rocker arms on the outer side of said cylinders engaging the stems of the valves on said outer side, push rods passing through the cylinder heads operatively connected to the rocker arms, tappets connected to the inner ends of said rods, and a cam on said shaft adapted to actuate the tappets.

1,636,214. HEAD FOR EXPLOSION ENGINES. GIULIO CESARE CAPPA, Turin, Italy. Filed Apr. 22, 1925, Serial No. 25,079, and in Italy May 20, 1924. 2 Claims. (Cl. 123—191.)



1. A cylinder head for internal combustion engines comprising a combustion chamber having a substantially pentagonal form, a spark-plug mounted on one side of the head in the upper portion of the chamber and inclined relatively to the cylinder axis, inlet and exhaust valves in the top of the chamber and arranged parallel to one another in a single plane, inclined in relation to said axis in a direction opposite to that of the spark plug, and in proximity to the latter, rocker arms for actuating the valves pivoted in the middle longitudinal plane of the cylinder, and push rods for actuating the rocker arms arranged parallel to the cylinder axis.

1,636,215. DISPENSING CAP FOR BOTTLES. CONWAY W. COOKE, Washington, D. C., assignor of one-half to Walter M. MacNichol, Washington, D. C. Filed Aug. 6, 1926. Serial No. 127,636. 1 Claim. (Cl. 215—38.)

A cap for charged-beverage bottles of the type having a top peripheral bead, said cap comprising depending opposed gripping means, said gripping means being engageable under opposite portions of said bead upon forced movement of said cap substantially parallel to the bead, whereby said cap is retainable in operative relation to

said bottom against the force of pressure developed therein, an apertured compressible washer in said cap compressed upon application of the cap to the bottle to form an air-tight joint between the two, and manually operable valved dispensing means in connection with said



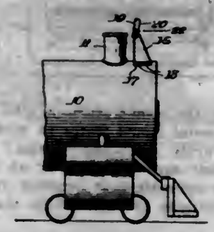
cap and adapted to communicate with the interior of the bottle through said apertured washer, said gripping means releasing said bead and said cap being entirely separable from the bottle upon a forced movement similar to said engaging movement.

1,636,216. PUZZLE. GEORGE VAN DUYN CORNELL, Boundbrook, N. J. Filed Aug. 3, 1926. Serial No. 126,768. 3 Claims. (Cl. 273—153.)



1. A puzzle device comprising a cup-shaped casing of unitary construction, the upper ends of the walls of the casing having a beaded rim, a transparent panel secured within the rim of said casing, a tubular member provided at one end with projecting prongs adapted to be passed through apertures in the bottom of the casing, and crimped onto the lower face of said bottom to couple said tubular member with the casing and support the same within the chamber thereof, and a plurality of members movably disposed in the chamber of the casing and adapted to be placed in said tubular member in the solution of the puzzle.

1,636,217. SMOKE DEFLECTOR. WILLIAM C. CRIST, Blue Island, Ill. Filed Mar. 5, 1927. Serial No. 173,150. 9 Claims. (Cl. 110—145.)

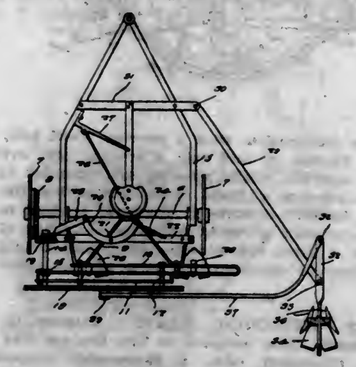


1. A smoke deflector comprising in combination, a stationary plate and means for securing the plate to a locomotive in front of the smoke stack, the said member having wings formed at each side thereof whereby a channel is formed at the front of the smoke deflector.

1,636,218. METHOD OF TREATING VENEERS. ALFRED A. DENNIS, Grand Rapids, Mich. Filed Apr. 6, 1925. Serial No. 21,212. 9 Claims. (Cl. 144—309.)

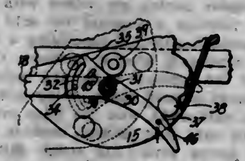
1. The method of treating veneers which consists in gluing together a commercially dry face and backing veneer, drying the same, and then subjecting the same to a redrying operation to thereby completely contract and shrink said veneers to a point beyond which they cannot further shrink, substantially as described.

1,636,219. ATTACHMENT FOR SHOVEL CULTIVATORS. PIERRE E. DION, Gardena, Calif. Filed Aug. 30, 1926. Serial No. 132,604. 3 Claims. (Cl. 97—44.)



1. An attachment of the class described, including a beam, a cultivator implement on one end of the beam, a second beam having one end thereof pivotally engaged with an intermediate portion of the first beam, a link pivotally engaged with the forward end of the first beam, a pair of sprockets adapted to be mounted on a cultivator, a chain trained over said sprockets, and means for engaging a portion of the chain with the other end of the link, and means for imparting rotary motion to one of the sprockets on the movement of the cultivator.

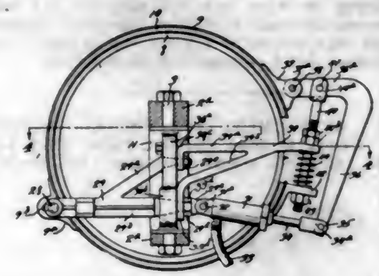
1,636,220. SELECTIVE DUMPING DEVICE FOR BUCKET CONVEYERS. WILLIAM R. EDDINGTON, Morgan, Utah, assignor of one-half to The Morgan Canning Company, Morgan, Utah, a Corporation of Utah. Filed Aug. 5, 1924. Serial No. 730,279. 12 Claims. (Cl. 198—140.)



2. In combination with a traveling conveyer having carrying units arranged to engage a spilling device, an oscillating cam positioned along the path of said units, means for actuating said cam by a passing unit, and means whereby the said actuation of the cam shall cause said units to engage the said spilling mechanism.

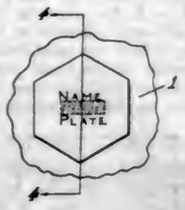
11. A traveling conveyer, having swinging buckets, an oscillating cam arranged in proximity to the path of the buckets, means for limiting the extent of oscillation of the cam, and means for placing the cam normally in any one of several positions to cause any one of the effects named following: to tilt every bucket passing a certain point, to tilt every other bucket passing a certain point, to tilt none of the buckets passing a certain point.

1,636,221. BRAKE SUPPORTING AND OPERATING MECHANISM. ALVIN S. FISHEL, Cleveland, Ohio. Filed Dec. 5, 1923. Serial No. 678,665. 7 Claims. (Cl. 188—152.)



1. The combination, with a steering wheel axle, of a steering knuckle on said axle, a steering arm having a pair of branches, means securing said branches to said steering knuckle, a brake drum surrounding the said steering knuckle, a brake in operative relation to said drum, a cylinder pivotally supported from one of said branches, a piston rod extending from said cylinder, and connections for operating said brake by said piston rod.

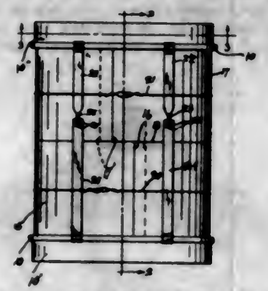
1,636,222. ATTACHING MEANS. MILROAD G. FOX, Cincinnati, Ohio, assignor to The Gustave Fox Company, Cincinnati, Ohio, a Partnership composed of Leonard J. Fox and Milford G. Fox, Cincinnati, Ohio. Filed Nov. 9, 1926. Serial No. 147,333. 2 Claims. (Cl. 40—20.)



1. An attaching device for a member to be attached to another member having an orifice with two lateral opposed walls forming a support for said first named member, said attaching device comprising a coiled spring having loops of slightly greater diameter than the distance apart of the opposed walls, the outer peripheral edges of the loops of said spring being adapted to frictionally engage said walls, and the loops being individually secured to said first named member whereby insertion of the spring within the orifice will tension the loops out of round, which will form a firm frictional engagement regardless of longitudinal compression of said spring.

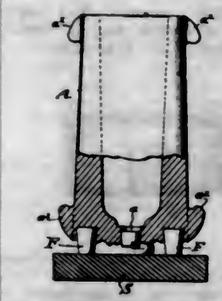
1,636,223. COLLAPSIBLE PACKING CASE. BERTRAND B. FREEMAN, Pontiac, Mich. Filed Aug. 9, 1924. Serial No. 731,107. 3 Claims. (Cl. 229—47.)

1. A container of the class described comprising a pair of heads and body forming portions adapted for loose engagement in said heads, the edges of said body forming portions being overlapped, said heads being provided with a circumferentially formed groove for the reception of the end of each of said body forming portions, said groove being enlarged at the point of overlapping of said edges; a filler adapted for engagement in said body forming portions, the end edges of said filler being adapted for normally engaging the inner surface of said heads,



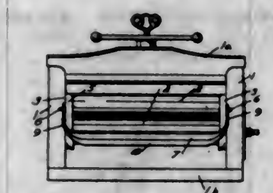
and means for connecting said heads together for retaining said body forming portions and said filler in operative relation.

1,636,224. INGOT MOLD. EMIL GATHMANN, Baltimore, Md. Filed Mar. 5, 1926. Serial No. 92,498. 1 Claim. (Cl. 22—139.)



An ingot mold having supporting feet projecting from the lower portion of the mold and the upper portions of which extend into the bottom of the mold and are held therein by the metal of the mold which is cast around their upper ends.

1,636,225. WRINGER. VINCENT GEHRLEIN, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1926. Serial No. 141,279. 2 Claims. (Cl. 68—32.)



1. In a wringer, the combination of side stiles; rolls mounted therein; metal guard plates at each end of the rolls having outwardly extending pintles; and a rest plate having resilient ends extending at an angle to the rest plate and in approximately parallel relation, said ends having perforations through which the pintles extend.

1,636,226. WRINGER. VINCENT GEHRLEIN, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1926. Serial No. 141,281. 3 Claims. (Cl. 68—32.)

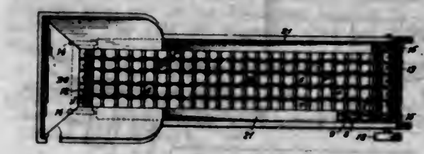
1. In a wringer, the combination of a frame comprising side stiles and a base, said base having slotted openings;

rolls in the frame; a drip board with feet on the base and having slots registering with the slots in the base;



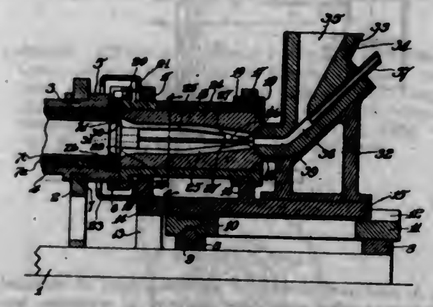
bolts having heads insertable through the slots in the base and movable into the slots in the feet; and nuts on the bolts adapted to clamp the feet on the base.

1,636,227. SIZING MACHINE FOR FRUITS AND VEGETABLES. JOHN D. GRABILL, Woodstock, Va. Filed Sept. 13, 1926. Serial No. 135,164. 5 Claims. (Cl. 209—400.)



1. In a fruit and vegetable sizing machine, an endless sizing chain, a pair of supporting rolls for the chain, each roll having a pair of sprocket wheels fixedly secured thereto at the ends thereof, and the roll at the delivery end of the chain having a substantially smooth outer face, said chain comprising rigid transverse rod members, series of intermediate longitudinal link members pivotally connected therewith and spaced to provide grading openings of similar size, and a set of outer longitudinal link members pivotally connected with the outer end portions of the transverse rod members at either end thereof, said outer longitudinal link members being spaced from the outermost of the first mentioned series of longitudinal link members to cooperate therewith and with the end portions of said transverse rod members to constitute side sprocket chain portions to engage the said pairs of sprocket wheels.

1,636,228. CENTRIFUGAL CASTING OR COATING SYSTEM. ARTHUR W. GRAY, Milford, Del. Filed June 6, 1925. Serial No. 35,301. 29 Claims. (Cl. 22—65.)

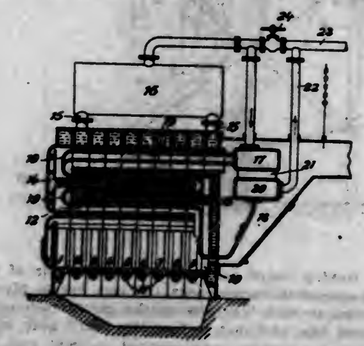


25. Centrifugal casting apparatus comprising a rotating mold, a rotating conduit whose interior surface forms a path diverging and then converging in one direction, means for passing molten material through said conduit in said one direction, and means in the region of said diverging-converging passage of the conduit for preventing passage of impurities into said mold.

1,636,229. MANUFACTURE OF ALKALI METAL XANTHATES. WILHELM HIRSCHKIND, Antioch, Calif., assignor to Great Western Electro Chemical Company, San Francisco, Calif., a Corporation of California. Filed Nov. 3, 1925. Serial No. 66,686. 7 Claims. (Cl. 260—106.)

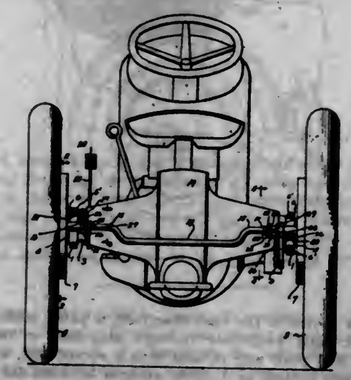
1. A process for producing alkali metal xanthates which comprises reacting alcohol, carbon bisulphide, and an alkali metal hydroxide in the presence of a chlorinated hydrocarbon in a catalytic amount.

1,636,230. STEAM SUPERHEATER OF LOW-PRESSURE SECTIONAL BOILERS. WALTER HÖNTSCH, Niedersedlitz, near Dresden, Germany. Filed May 12, 1926, Serial No. 108,477, and in Germany May 5, 1924. 2 Claims. (Cl. 122—460.)



1. In a low pressure sectional boiler having a steam collector and a zig-zag gas pass communicating at one end with the flue and at the other end with the combustion chamber, a steam superheater comprising correspondingly shaped zig-zag tubes extending longitudinally in the gas pass and connected at their ends adjacent the flue with said steam collector and communicating at their other ends with a steam delivery pipe, whereby the flow of steam in said superheater is counter to the flow of heating gases.

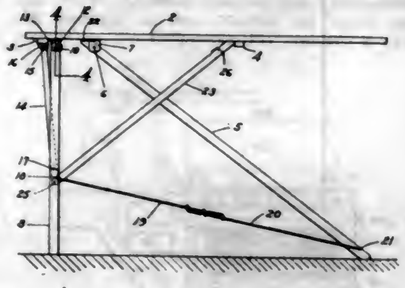
1,636,231. BRAKE ATTACHMENT FOR TRACTORS. IRVING H. JUDD, Detroit, Mich., assignor to Whitehead & Kales Company, Detroit, Mich., a Corporation of Michigan. Filed June 18, 1923. Serial No. 646,217. 5 Claims. (Cl. 188—78.)



5. The combination with a pair of axially aligned vehicle wheels, of brake drums carried by said wheels, an axle housing arranged between said wheels, a detach-

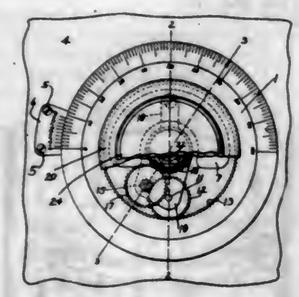
able member surrounding said axle having a rearwardly extending projection, braking elements frictionally engageable with said drums, a rock shaft journalled in said projection exercising control of both of said braking elements, and means for rocking said shaft including a lever having a portion extending beneath said axle housing and operatively connected to said shaft.

1,636,232. IRONING BOARD. JOHN E. KALGREN, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 5, 1922. Serial No. 566,028. 3 Claims. (Cl. 68—10.)



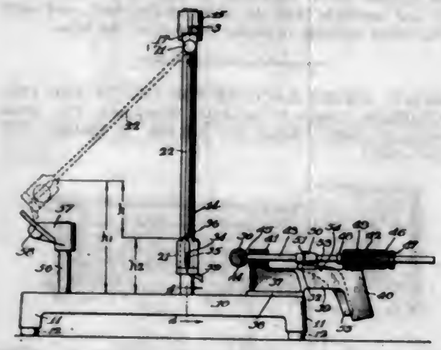
1. An ironing board comprising a top, a pair of legs pivotally connected thereto near one end, braces pivotally connected to said top between the pivotal connection of said end legs and that end of the board near which said legs are connected and secured to said end legs at points remote from their pivotal connections, and having offset end portions near their connections with said end legs, a center leg pivotally connected at one end to said top, means connecting the offset end portions of said braces with the lower end of said center leg, brace bars having pivotal connections with the offset end portions of said braces and having at their upper ends a bearing on the under side of said top.

1,636,233. VERNIER DIAL. HENRY J. KASCH, Dayton, Ohio, assignor to The Kura-Kasch Company, South Broadway, near Dayton, Ohio, a Corporation of Ohio. Filed Jan. 26, 1925. Serial No. 4,789. 4 Claims. (Cl. 74—7.)



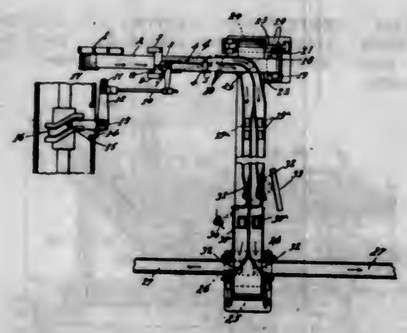
1. In a device of the type described, a panel containing a hole, a shaft projecting through said hole, a dial secured to said shaft and formed with a curved slot, a knob free to turn around said shaft, an arm between the knob and dial, means projecting loosely through the curved slot in the dial for securing one end of the arm to said panel, said dial having an offset toothed annular portion and the knob an outer toothed periphery, and a gear-train secured to the free end of said arm for operative connection between the toothed portions of the knob and dial, to turn the latter and through it the shaft when the knob is rotated.

1,636,234. EDUCATIONAL APPARATUS. PAUL E. KLOPSTEG, Chicago, Ill., assignor to Central Scientific Company, Chicago, Ill., a Corporation of Illinois. Filed May 6, 1926. Serial No. 107,213. 9 Claims. (Cl. 35—16.)



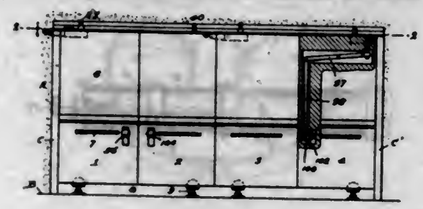
1. In apparatus of the class described, a ballistic pendulum including a massive bob suspended by a light rod having opposed tapered bearing sockets, a support, adjustable pivot bearings carried by the support and cooperating with the tapered bearing sockets, and a stop for limiting the adjustment of one of said pivot bearings.

1,636,235. SYSTEM FOR CONVEYING AND INSPECTING SOAP. HARVEY C. KNOWLES, Cincinnati, Ohio, assignor to The Procter and Gamble Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 17, 1925. Serial No. 16,237. 3 Claims. (Cl. 198—33.)



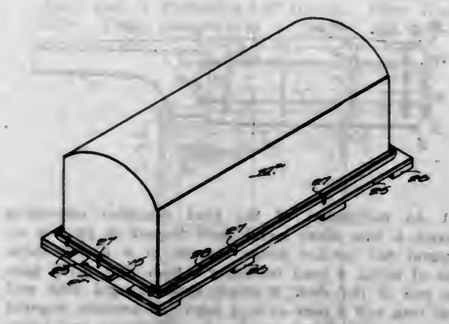
1. A conveyor system for conveying bars of stamped soap from a soap press to a plurality of wrapping machines comprising a movable endless belt adapted to receive the stamped bars from the press and a diverting device to separate the bars on the endless belt into a plurality of lines of bars on the belt and means of conveying each of the lines of bars to a wrapping machine and a mirror adapted to reflect the image of the opposite faces of the bars in the plurality of lines from one side of the belt.

1,636,236. WARDROBE. CHARLES H. KRAFT, Kansas City, Mo. Filed Mar. 10, 1926. Serial No. 93,654. 4 Claims. (Cl. 268—61.)



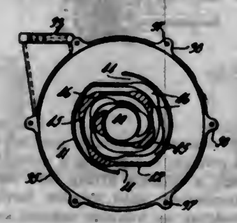
1. A wardrobe, a pair of doors thereto, manually controlled mechanism for swinging said doors in opposite directions when opening or closing the same, a keeper secured to the wardrobe, and a manually controlled bolt mounted upon one of the doors and adapted to engage said keeper and hold the doors in open and closed positions.

1,636,237. BURIAL CASKET. CECIL MASSEY, Litchfield, Ill. Filed July 2, 1925. Serial No. 41,190. 4 Claims. (Cl. 27—6.)



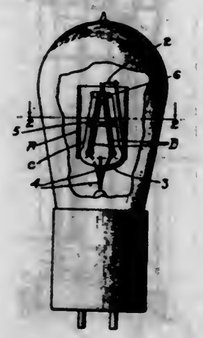
1. The combination with a body-receiving casket having side walls, a bottom, and reinforcing channel bars extending across the underside of the bottom, of a hood for enclosing the side walls, and latches for securing the hood in place, said latches having portions housed in the ends of the channel bars.

1,636,238. SILENCER. HIRAM PERCY MAXIM, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a Corporation of Connecticut. Original application filed Mar. 23, 1922, Serial No. 546,126. Divided and this application filed Oct. 1, 1926. Serial No. 138,996. 4 Claims. (Cl. 137—160.)



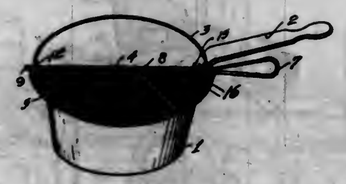
1. A silencer comprising, a cylindrical casing having a peripheral and an axial opening therein, a silencing conduit of spiral form within said casing extending between said openings, said conduit having a succession of contracting and expanding sections distributed throughout its length to form a series of Venturi-like passageways therein.

1,636,239. VACUUM TUBE. HERBERT E. METCALF, San Leandro, Calif., assignor to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed Oct. 13, 1924. Serial No. 734,389. 1 Claim. (Cl. 250—27.5.)



A radio vacuum tube of the character described having a plurality of electrodes therein, a V-shaped filament adjacent one of the electrodes, and a pair of elements extending between and dampening vibration of the two legs of the filament by touching the same between the ends thereof, one of the elements being adjacent the apex of the filament and touching one side of each leg thereof, and the other element being spaced therefrom and touching another side of each leg.

1,636,240. STRAINER. ESTHER E. PARTRIDGE, Spokane, Wash. Filed Dec. 4, 1926. Serial No. 152,593. 2 Claims. (Cl. 55—8.)

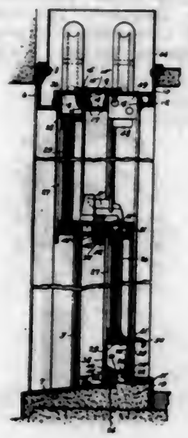


1. A reversible strainer of semi-circular shape having a binding frame of a single piece of wire and fashioned with an integral handle, a pair of oppositely projecting guide lugs at the outer end of the binding frame adapted for alternate use with the edge of a sauce pan, and one of said lugs being formed as the terminus of the wire.

1,636,241. WINDOW. JOHN POLACHEK, New York, JULIUS JAFFEE, Brooklyn, and EDMUND PREMMI, Elmhurst Manor, N. Y., assignors to John Polachek, doing business under the name of John Polachek Bronze & Iron Co., Long Island City, N. Y. Filed June 22, 1926. Serial No. 38,905. 16 Claims. (Cl. 189—72.)

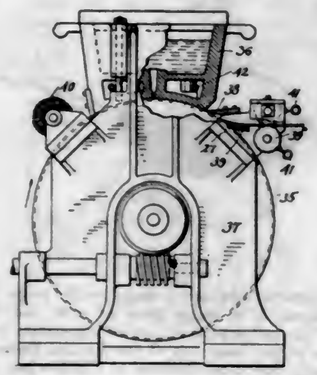
1. In a window construction, a window frame having side and top sections each including outer, intermediate

and inner members, said intermediate members being formed with a parting strip and a flange arranged along each side of said parting strip, and window sashes each



having flanges combining to form a groove for receiving one of the first named flanges, one of the flanges of each sash contacting a side of said parting strip.

1,636,242. APPARATUS FOR AND METHOD OF FORMING STORAGE-BATTERY GRIDS. JOHN PRACHAR, Cleveland, Ohio, assignor to The Haslett Storage Battery Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 3, 1921. Serial No. 434,495. 8 Claims. (Cl. 207—13.)



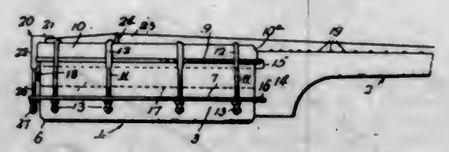
1. In an apparatus for forming storage battery grids, a rotary cylinder with the grid forming molds formed by grooves in its cylindrical surface, a stationary member having a cylindrical surface arranged adjacent to the cylindrical surface of the cylinder, means for supplying molten metal between the two cylindrical surfaces and into the molds, and means independent of the molds for stripping the molded grids from the cylinder.

1,636,243. PIPELAYING IMPLEMENT. ALBERT E. RASMUSSEN, Yakima, Wash., assignor of one-half to Arthur B. Fosseen, Spokane, Wash. Filed July 19, 1926. Serial No. 123,425. 6 Claims. (Cl. 25—1.)



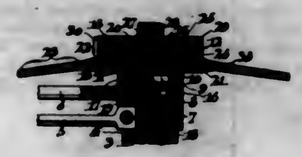
1. In an implement as described, a core having a pneumatic tube and inflating means therefor, and an expansible cushioning pad surrounding said core and tube.

1,636,244. BANJO AND THE LIKE. CARL H. RICHTER, Chicago, Ill., assignor to Richter Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1925. Serial No. 74,966. 6 Claims. (Cl. 84—269.)



1. An instrument of the kind described embodying therein a thin sheet metal shell formed to provide an integral flat bracket flange thereon of a double thickness of metal, a head including a flesh ring, fitted upon one end of the shell, a strain hoop engaged with said flesh ring and a part of said head and brackets engaged with said strain hoop and flange respectively and means to adjusting said brackets.

1,636,245. CIRCUIT-CLOSING DEVICE. SAMUEL DAVIS ROBINS, Stamford, Conn. Filed Nov. 30, 1921. Serial No. 518,814. 6 Claims. (Cl. 200—59.)



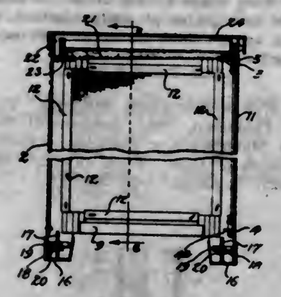
1. A circuit controlling device, for use with a steering wheel and its column, comprising a metallic sleeve having a lateral flange, a thimble fitting said sleeve with interposition of insulation, said thimble having an insulate core and embodying an annular contact surface, an actuating element including a cap piece and an annulus for cooperation with the underside of the lateral flange aforesaid, and a helical spring interposed between the insulate core and an axial offset of the cap piece.

1,636,246. NECKBAND SHAPER. ROCCO SACROMONE, Brooklyn, N. Y. Filed Feb. 23, 1926. Serial No. 89,957. 3 Claims. (Cl. 68—1.)



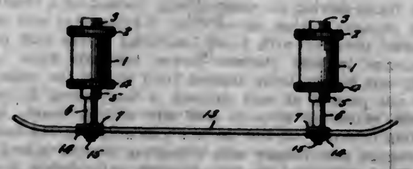
1. In a shirt ironing and shaping device, a curved resilient strip adapted to be sprung into the closed neck band of a shirt and to hold said neck band and adjacent portions of the shirt in position for ironing, said resilient strip having finger pieces to be grasped to contract the curved strip for insertion into or removal from the neck band and being twisted at the shoulder portions to shape the neck band to better effect.

1,636,247. KNOCKDOWN RADIATOR COVER. PAUL E. SCHLEICHER, Chicago, Ill., assignor to Schleicher, Inc., Gary, Ind., a Corporation of Illinois. Filed June 28, 1924. Serial No. 722,974. 3 Claims. (Cl. 237—79.)



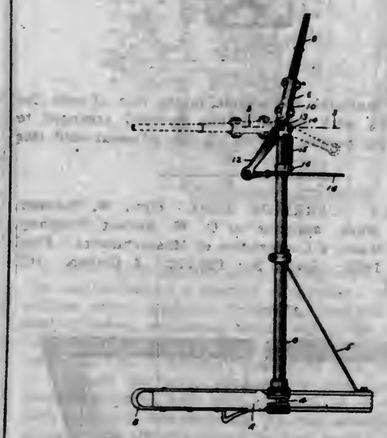
1. In a radiator hood comprising a frame having a rear metal wall and a front strip having a supporting flange, U-shaped brackets supported from the back, a swingable suppert upon each bracket, and a water pan supported on said flange and said supports, said brackets spacing the water pan from the back to allow for air currents.

1,636,248. VEHICLE BUMPER. HENRY JOHN SCHUETTE, Quincy, Ill. Filed Feb. 10, 1925, Serial No. 8,247. Renewed May 2, 1927. 1 Claim. (Cl. 293—55.)
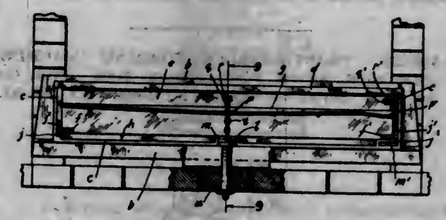


A vehicle bumper comprising bumper bars attached to a plunger member, a cylinder, a piston in the cylinder actuated by said plunger member, and means in the cylinder abutting the piston for absorbing shocks to said bumper bars, plunger and piston, said means comprising a rubber pad having radial perforations and a central bore.

1,636,249. WHIP ACTUATOR. ELL SCOTT, Walnut Grove, Minn. Filed Jan. 7, 1927. Serial No. 159,608. 7 Claims. (Cl. 280—178.)



1. A device of the character described comprising a suitable support, a whip holder carried by the support, and cables for tilting and partly rotating the holder, said holder having downwardly projecting arms to which the cables are applied.

1,636,250. FIREPLACE DAMPER. JAMES SETCHFIELD, Portland, Oreg., assignor of one-half to Thomas J. Quirk, Portland, Oreg. Filed Feb. 26, 1927. Serial No. 171,191. 8 Claims. (Cl. 126—288.)



1. A fireplace damper comprising, a frame consisting of a basal web supporting a wall, said wall provided with a socket, a post adapted to be inserted in said socket, and a damper plate pivotally supported at its ends within the said wall.

1,636,251. RING BOX. JOHN M. SHIELDS, Chicago, Ill., assignor to F. H. Noble & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1925. Serial No. 66,160. 3 Claims. (Cl. 211—28.)

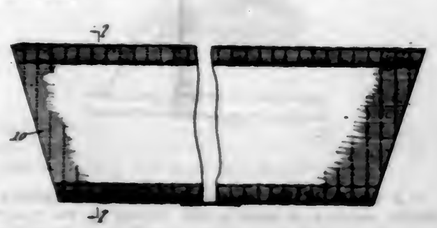
1. In a ring box, a support formed of sheet material fitting within the box body, the front edge of said support abutting the bottom of the front wall of the body

of the box and the rear wall abutting the bottom of the rear wall thereof and said support including inclined sections meeting at their top along a transverse line of



bend of the material, the section to the rear of said line being covered with textile lining material arranged to provide a ring pocket open at its top adjacent said line of bend.

1,636,252. CARRIAGE BODY. OTTO W. SIEBERT, Gardner, Mass., assignor to O. W. Siebert Company, Gardner, Mass., a Corporation of Massachusetts. Filed July 12, 1926. Serial No. 121,772. 4 Claims. (Cl. 296—31.)



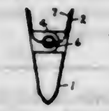
1. An article of manufacture having a covering of woven fiber reed and comprising a frame member and a covering therefor formed from a single continuous sheet of woven fiber reed having one edge portion thereof secured to said frame member and having an opposite edge portion twice folded upon itself to conceal the unfinished edge of the fabric and to provide an entirely self-supporting edge structure effective to retain the adjacent portion of the covering in desired position.

1,636,253. PLASTIC-BLOCK-FORMING MACHINE. CHARLES K. SMITH, Fort Atkinson, Iowa. Filed Oct. 20, 1925. Serial No. 63,652. 2 Claims. (Cl. 25—41.)



2. A machine of the class described comprising a stand, a mold box mounted thereon, a core vertically movable through the bottom of said box adapted when raised therein to divide said box into two independent compartments and provided with a plurality of transverse slots for receiving tie rods, lifting handles connected to the ends of the core and arranged outwardly of the ends of the mold box, means to releasably retain the core in raised position, a carrier upon which the core is mounted having end extensions to which said handles are pivoted at their lower ends for lateral swinging movement, said core retaining means embodying members fixed to the ends of the stand and engageable by the handles when swung laterally after the core is raised, and channel guides for the ends of the core fixed to the ends of the stand beneath the mold box to guide the core when lowered, said guides having longitudinal elongated slots outwardly through which the end carrier extensions project and are vertically movable.

1,636,254. BILL CLASP. AMOS W. STANDING, Houston, Tex. Filed Feb. 8, 1927. Serial No. 166,650. 4 Claims. (Cl. 24—253.)



4. A clasp comprising opposed plates having adjacent ends curved slightly inward to form gripping jaws, inwardly turned ears on said plates adapted to interfit, and a spring of hoop shape having arms co-acting with said ears to hold said plates pivotally together, said spring also bearing against said plates to hold said jaws resiliently together.

1,636,255. WINDOW-SCREEN HOLDER. FREDERICK A. STICKLE, Cincinnati, Ohio, assignor to The National Screen & Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 721,427. 1 Claim. (Cl. 292—76.)



A frame having an external edge formed as a channel, said channel having an external bearing face and said channel provided with a slit extending across said face, a tongue in said channel turned inwardly from said face, said tongue being formed from one of the edges of the slit portion of said channel, a leaf spring for said screen extending through said slit with a tongue projecting inwardly beyond the slit and a slot in the spring to engage said tongue with a bearing for the spring on the first mentioned tongue to secure said spring to the inner face of said channel, said spring having a main bend, a slot in said channel and the end of the spring opposite the end adapted to be interengaged within the channel adapted to slide within said slot.

1,636,256. POURED-WALL FORM. GUSTAV STROM, Pontiac, Mich., assignor of forty one-hundredths to Peter D. Johnston, Pontiac, Mich. Filed July 23, 1923. Serial No. 653,230. 12 Claims. (Cl. 25—131.)



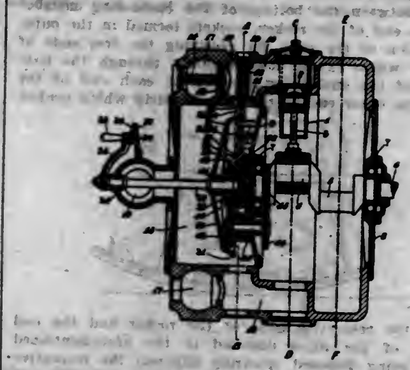
1. In a poured wall form, the combination with spaced side sections, of end sections movable between said side sections, each end section being provided with inclined transverse recesses in one of its faces.

1,636,257. INDICATOR ACTUATING AND CONTROLLING DEVICE FOR SCALES. CHARLES G. STRUBLER and GORDON L. STRUBLER, Chicago, Ill., assignors to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 17, 1925. Serial No. 56,814. 11 Claims. (Cl. 265—66.)



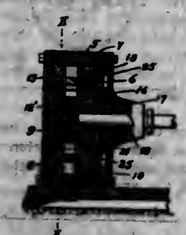
1. An indicator actuating and controlling mechanism for scales comprising, in combination with an indicator, a load transmitting member and connections between the load transmitting member and the indicator embracing a flexible band and a floating helical spring, the latter to be placed under stress by the weight of the load and to return the indicator to zero when the scale is without load.

1,636,258. MULTICYLINDER PLUNGER PUMP, COMPRESSOR, AND THE LIKE. JOSEF SVARTZ, Stockholm, Sweden. Filed July 24, 1924, Serial No. 727,909, and in Sweden Oct. 27, 1923. 5 Claims. (Cl. 103—40.)



1. In a multi-cylinder pump, compressor and the like, the combination of a number of cylinders, each having a suction valve combined therewith, plungers movable in said cylinders, regulating means adjustable into different positions of regulation and adapted in such positions to cooperate with a different number of such suction valves to maintain the same permanently open, and governing means connected with said plungers so as to be driven with a speed corresponding to the movement of said plungers and adapted to actuate such suction valves which are not maintained permanently open by said regulating means in such manner that said suction valves are positively opened at the beginning of the suction strokes of the corresponding plungers.

1,636,259. ROTARY PUMP. ANDREW J. SWEENEY, Bayonne, N. J. Filed Aug. 24, 1926. Serial No. 131,174. 3 Claims. (Cl. 103—126.)

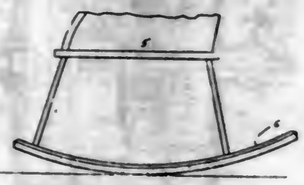


1. In a pump or motor mechanism, a casing having an intermediate dividing wall separating the interior of the casing into intersecting chambers, a rotatable member adjacent to an interior wall of the casing, said member having an aperture for the passage of pressure fluid therethrough, and a pocket in the wall of the casing to receive and entrap said fluid to equalize the lateral thrust upon said member resulting from the pressure fluid.

1,636,260. CUSHION FOR CHAIR ROCKERS. VERNON TUST, Tronsdale, Okla. Filed May 17, 1926. Serial No. 109,709. 3 Claims. (Cl. 45—137.)

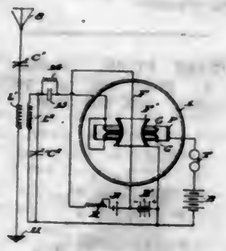
3. In a chair rocker cushion, a substantially U-shaped member of a length equivalent to the length of the rocker and in which the rocker is adapted to fit, a bead formed on each upper edge of the U-shaped member,

a wire extending longitudinally through each bead, additional wires exteading longitudinally through the base portion of the cushioning member, the ends of all said wires projecting beyond the ends of the cushioning member and the rocker, a strip of flexible material insertible between the bottom of the cushioning member and each end of the rocker, pockets formed in the outer end portion of the strip for receiving the free ends of the wire which extend longitudinally through the base portion of the cushioning member at each end of the rocker, the outer end portions of the strip which project



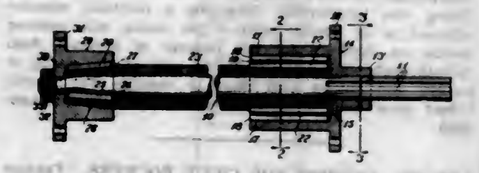
beyond the respective ends of the rocker and the end portions of the wires disposed in the aforementioned pockets being disposed upwardly adjacent the respective ends of the rocker, the ends of the wires which extend longitudinally through the beads being disposed transversely across the upwardly bent ends of the wires attached to the flexible member, the free ends of the transversely disposed wires being twisted together, the outer free end portions of the strips and the ends of the wires within said pockets being bent downwardly over transversely extending interconnected wires.

1,636,261. VACUUM OR THERMIONIC TUBE. ALBERT G. THOMAS, Lynchburg, Va. Filed Aug. 2, 1923. Serial No. 655,318. 6 Claims. (Cl. 250—27.5.)



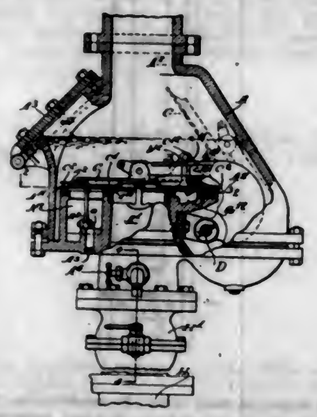
6. In an electron discharge tube, a cathode having the external form of a figure of revolution generated by the revolution of an arc about a line in the plane of and on the convex side of the arc.

1,636,262. TORQUE-CUSHIONING MEANS. HARRY P. TROENDLY, Chicago, Ill. Filed Aug. 6, 1925. Serial No. 48,451. 5 Claims. (Cl. 64—29.)



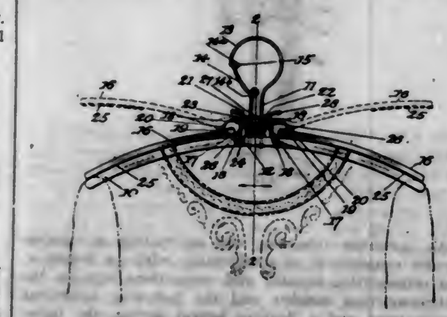
1. Torque cushioning means, comprising a pair of shafts, one within the other, one end of the inner shaft being longitudinally grooved, a coupling member having splined relation with the grooved end of the inner shaft, a second member splined on the adjacent end of the outer shaft, means whereby operative relation between the two members is provided when the twist of the inner shaft reaches a predetermined degree and the torsional impulse is then transmitted to the outer shaft, and means whereby the opposite ends of the two shafts are operatively connected together.

1,636,263. DRY-PIPE VALVE. EMIL TYDEN, Evanston, Ill. Filed July 14, 1923. Serial No. 651,472. 8 Claims. (Cl. 169—22.)



1. In a dry pipe valve having the main valve constructed for seating at two seats through one of which the water main pressure operates for opening said main valve, while through the other seat said main valve is normally exposed to atmospheric preasure, said main valve and its carrier being as unit proportioned with respect to the fulcrum of the carrier for being normally overbalanced in the direction for opening; a shut-off valve for controlling the admission of water from the water main to the main valve; the main valve body having a chamber back of the second mentioned seat which is accessible to water from the main and which has a drainage port deeply situated with respect to the level of the main valve seat for causing said port to be sealed by substantial depth of water above said port when said chamber is filled; a valve controlling said drainage port which is normally seated, and automatic means for setting said last mentioned valve at open position at the closed position of the main valve.

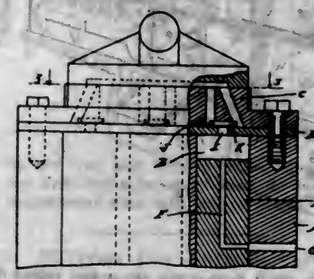
1,636,264. LOCKED SAFETY GARMENT HANGER. BENJAMIN WEISS, New York, N. Y. Filed June 2, 1926. Serial No. 113,275. 15 Claims. (Cl. 223—64.)



11. In a garment hanger, in combination, a yoke, arms pivoted in said yoke adapted to close on the garment on said yoke and prevent its slipping off therefrom,

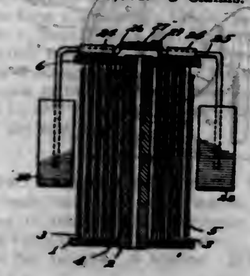
a suspending hook with a shank secured to said yoke, said arms having extensions, and a coiled spring around said shank adapted to engage said extensions and normally keep said arms in a closed position.

1,636,265. PUMP. THOMAS C. WHITEHEAD, Detroit, Mich. Filed July 23, 1923. Serial No. 653,283. 2 Claims. (Cl. 230—190.)



1. A pump including an open ended cylinder having a gas inlet port in a side wall thereof, a head for the cylinder having a discharge passage therein, a plate between said head and cylinder having a port in communication with said passage constituting the sole outlet for gases from said cylinder, a normally seated noiseless valve in the head for controlling the flow of gases through said outlet port, and a piston in the cylinder adapted to compress the gases admitted through said inlet port and thereby cause said valve to be unseated, said piston being so constructed and arranged as to uncover said inlet port upon its suction stroke and cover the said port upon its compression stroke, thereby providing a noiseless control for said inlet port.

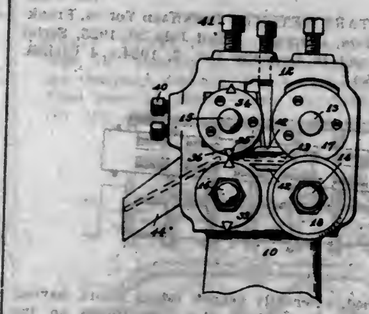
1,636,266. ELECTRIC WELDING APPLIANCE. JAMES W. WILKINSON, Kansas City, Kans. Filed May 4, 1925. Serial No. 27,762. 2 Claims. (Cl. 175—356.)



1. In a reactor, a plurality of insulated coils wound in succession on the same core, a transverse shaft mounted on the upper end of said reactor and having a central crank shaft, an armature plate attached to said crank shaft and adapted to be attracted and repulsed by the core, and agitators carried by the ends of said shaft for agitating the cooling media surrounding the reactor.

1,636,267. COMBINED ROTARY BEVEL SHEAR AND SCRAP CUTTER. LESTER WILLIAMS, Marshalltown, Iowa. Filed Nov. 30, 1925. Serial No. 72,378. 3 Claims. (Cl. 164—10.6.)

1. In a device of the class described, the combination of a frame, two parallel rotatable shafts mounted in the frame, a gear wheel fixed to each shaft, said gear wheels being in mesh with each other, a disk fixed to each shaft, said disks being slightly spaced apart from each other, a cutter member in each disk, said cutter members being so arranged that as the disks are rotated they will come together during each revolution of the disks for cutting off a piece of scrap inserted between them, an adjustable bearing for one of said shafts capable of adjusting said shaft laterally with respect to the other



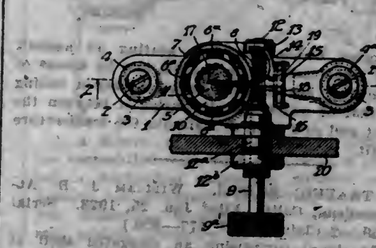
shaft, and whereby the cutting member carried by the adjustable shaft may be advanced or retarded relative to the cutter carried by the other shaft, so that the cutting members may be made to accurately register relative to each other without disturbing the fixed connection between the disk and shaft.

1,636,268. LOOSE-LEAF BINDER. WILLIAM DALE WINDERS, Columbus, Ohio. Filed Oct. 12, 1926. Serial No. 141,182. 4 Claims. (Cl. 129—18.)



1. In a loose leaf binder, a pair of spaced parallel binding heads, a binding post arising from one of said heads, a lever element pivotally carried by the other of said heads, a spring pressed bar carried by said last named head and engaged by said lever element and an operating handle pivoted to the upper end of said binding post and arranged upon oscillation to rock said lever element.

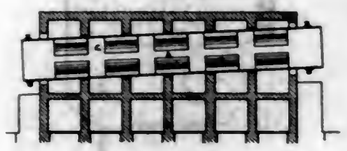
1,636,269. CRYSTAL DETECTOR. ELTON A. WRIGHT, Chicago, Ill., assignor to F. H. Noble & Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1925. Serial No. 51,765. 1 Claim. (Cl. 250—31.)



A crystal detector for radio apparatus comprising a frame, a rotatable crystal holder and crystal mounted therein, a non-axially arranged contact member insulated from said holder and arranged to complete the detector circuit through said crystal, and a manually operable rotatable shaft operatively connected with said holder to

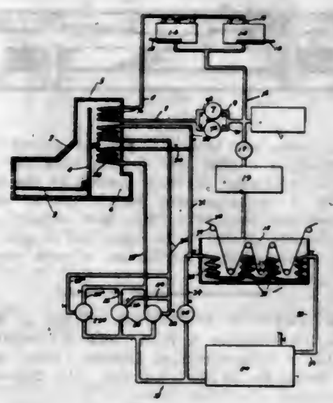
rotate it, one bearing of said shaft being formed in a tubular block fixed to the frame and said block being equipped with a clamping nut, whereby the detector may be clamped to a supporting panel.

1,636,270. ROTARY RETORT. BERNHARD YOUNG, Frankfort-on-the-Main, Germany. Filed July 20, 1925, Serial No. 44,884, and in Germany Oct. 3, 1924. 4 Claims. (Cl. 202—15.)



1. An inclined, externally heated, rotary retort, having separate open-ended chambers along its length on its inner surface formed by walls or partitions running longitudinally of the retort and by an inner shell, the material passing through the retort between said shell and the retort wall, whereby undue agitation of the material is prevented and the material is maintained in contact with the retort wall.

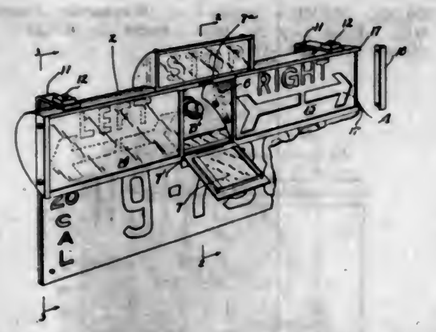
1,636,271. PREPARATION OF SATURANTS. JOSEPH ZAVERTNIK, Jr., Chicago, Ill., assignor to The Barrett Company, a Corporation of New Jersey. Filed Jan. 7, 1924. Serial No. 684,914. 8 Claims. (Cl. 196—87.)



5. The process which comprises heating an asphalt saturant and transferring it to a tank, and by means of the same source of heat heating an oil having a boiling point above that of water and circulating it between the source of heat and said tank to maintain the temperature of said asphalt.

1,636,272. TRAFFIC SIGNAL. WILLIAM J. B. ALDRIDGE, Pasadena, Calif. Filed Jan. 25, 1923. Serial No. 614,759. 2 Claims. (Cl. 177—329.)

1. A traffic signal comprising an elongated shell of substantially parabolic cross section, forming a reflector, said shell having extreme ends at right angles to the axis of the shell, an electric lamp in the central portion of the reflector, a wall on each side of the central lamp cut away at their lower and rear edges, an intermediate partition extending from the lower edge of said walls on a downward inclination to the opposite square ends of the reflector, said partitions being inclined backwardly and downwardly, a window placed in the lower side of the reflector below the partitions, and extending the full



length of the shell so that the direct and reflected rays of light from the central lamp will pass through said window and illuminate the license plate.

1,636,273. PULLEY BLOCK. ARNOLD W. BAKER, Cooper Hill, Mo. Filed Jan. 15, 1927. Serial No. 161,426. 5 Claims. (Cl. 254—192.)

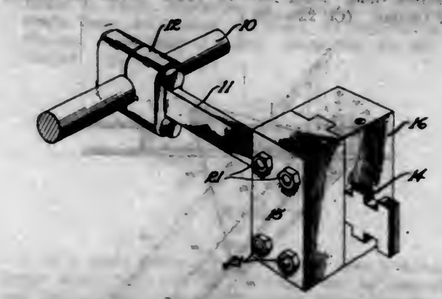


1. In combination, a sheave having a ratchet rack upon a side face thereof, a holding block having side walls forming a mounting for the pivot of the sheave and a connecting wall for said side walls opposing the periphery of the sheave, a pair of links mounted upon said pivot, a wedge block engaging the periphery of the sheave and to which the outer ends of the links are pivotally connected and a ratchet pawl carried by one of said links and coacting with the ratchet rack of the sheave and spring-pressed for engagement with said rack.

1,636,274. COUNTERBALANCE. REUBEN C. BAKER, Coalinga, Calif., assignor to Baker Casing Shoe Company, a Corporation of California. Filed Oct. 12, 1926. Serial No. 141,210. 4 Claims. (Cl. 74—5.)

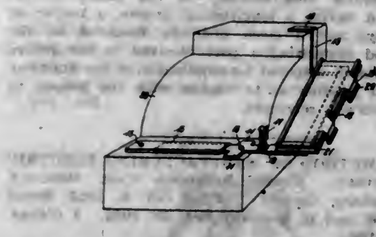
1. A counterbalancing device for well pumping apparatuses and the like comprising an arm adapted to be fixed at one end to the band wheel shaft of the apparatus and

extend radially of the shaft, a counterweight adapted to be arranged on the arm adjacent its outer end, keys



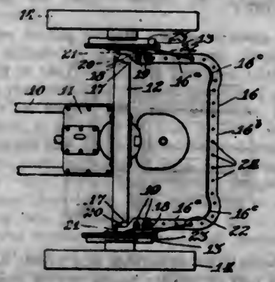
formed on the arm, said counterweight being recessed to receive the arm and keys, and means for retaining said arm in engagement with said counterweight.

1,636,275. SUPPORT FOR WRITING TABLETS AND THE LIKE. ROY H. BELL and FRED R. SEARLES, Great Falls, Mont. Filed Aug. 26, 1924. Serial No. 734,267. 3 Claims. (Cl. 45—82.)



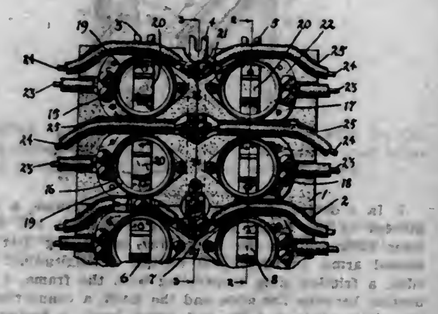
2. A device of the character described comprising a flat strip having a pair of arms extending laterally from one edge at opposite ends thereof to form a supporting bracket, one arm being extended upwardly and then laterally to form a supporting hanger having its end portion lying in a plane making an acute angle with the plane of the strip, the other arm having its end portion twisted to lie in a plane parallel to but below that in which the end portion of the first arm is disposed, an article holder secured to said strip, and a second holder hinged to the edge of the first holder.

1,636,276. TRACTOR DRAWBAR. BERT R. BENJAMIN, Oak Park, and CLEMMA R. RANEY, Riverside, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 9, 1924. Serial No. 705,204. 8 Claims. (Cl. 280—33.44.)



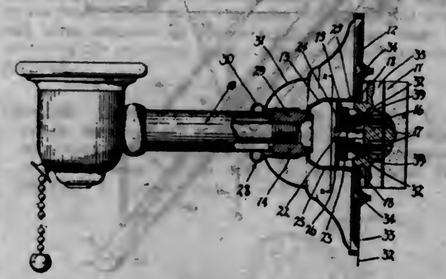
1. The combination with a tractor having an upright arched axle structure comprising an axle housing and depending gear housings at each end thereof and traction wheels mounted on the outer sides of said gear housings, of a rigid rearwardly extending U-shaped draw bar, the arms of which are pivotally connected to the inner sides of said gear housings, means included in said pivotal connections for preventing lateral movement of the draw bar with respect to the axle structure, and adjustable suspension means between the axle structure and the draw bar.

1,636,277. PANEL BOARD. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1920. Serial No. 388,830. 7 Claims. (Cl. 175—369.)



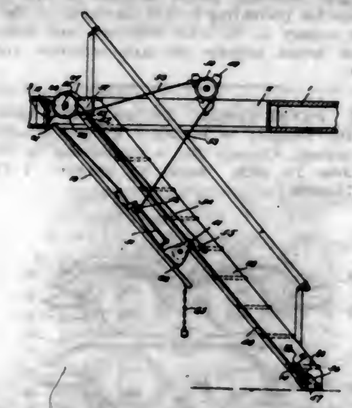
1. In a panel board, a base section having buses arranged thereupon in substantially parallel relation, means for connecting the outside buses to branch lines comprising receptacles having shell and center contacts and switches, said center contacts being formed integrally with one pole of said switches and said shell contacts embodying outwardly extending flanged portions, the other pole of said switches comprising integral conducting members connected to said outside buses, and means admitting of the connection of the branch lines to the central bus.

1,636,278. ELECTRICAL FIXTURES-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1921. Serial No. 471,077. 6 Claims. (Cl. 173—338.)



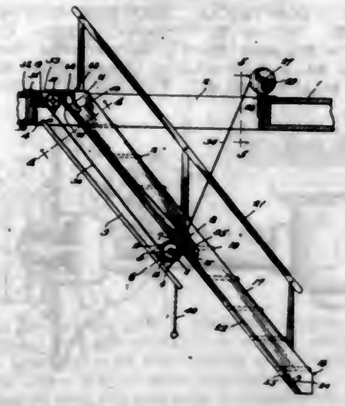
1. A fixture, a receptacle, push-in electrical connector for cooperation with said receptacle, a supporting member, a mechanical connecting member, and canopy for housing said mechanical connecting member, said mechanical connecting member being carried by said fixture, said push-in connector having a swivel connection with said mechanical connecting member, said mechanical connecting member having a connection with said supporting member which is effected by a plurality of movements, including one of insertion and one of rotation, and means cooperating with said canopy for holding said mechanical connecting member in connected position.

1,636,279. MOVABLE-STAIRWAY LATCH. FRANK E. BESSLER, Akron, Ohio. Filed May 4, 1925. Serial No. 27,910. 3 Claims. (Cl. 228—50.)



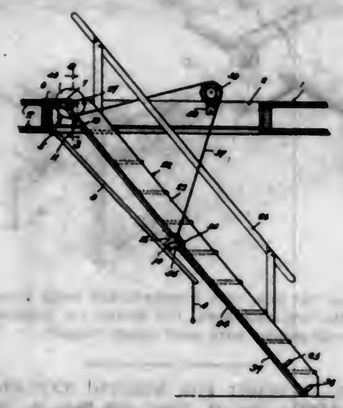
1. In a device of the class described, a frame, a latch pivoted to the frame and having a hook, a bell crank lever fulcrumed on the frame and comprising first and second arms, the first arm having a longitudinal cam edge, a friction slide cooperating with the frame, a connection between the slide and the latch, a connection between the slide and the bell crank lever, a keeper and means for supporting the keeper for engagement with the hook, the second arm of the bell crank and the keeper being relatively movable in one direction to cause engagement between the keeper and the second arm of the bell crank lever, and being relatively movable in an opposite direction to cause engagement between the longitudinal cam edge and the keeper.

1,636,280. MOVABLE STAIRWAY. FRANK E. BESSLER, Akron, Ohio. Filed Sept. 15, 1925. Serial No. 56,545. 1 Claim. (Cl. 228—50.)



In a device of the class described, a support, an upper pulley carried for rotation on the support, a panel hinged to the support for vertical swinging movement, a lower pulley journaled on the panel, a spring-actuated drum mounted on the support, a stairway, means for mounting the stairway for sliding movement longitudinally of the panel, and a flexible element wound about the drum, the flexible element being extended downwardly around the lower pulley, rearwardly along the panel, about the upper pulley, and downwardly and forwardly along the stairway, and means for connecting the forward end of the flexible element to the stairway.

1,636,281. MOVABLE STAIRWAY. FRANK E. BESSLER, Akron, Ohio. Filed Nov. 19, 1925. Serial No. 70,145. 4 Claims. (Cl. 228—50.)



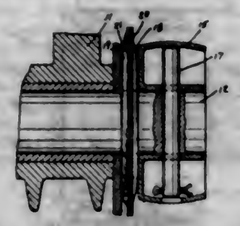
4. In a device of the class described a support, a panel hinged to the support, a standard on the panel, a stairway slidable longitudinally of the panel on the standard and having a longitudinal groove, a keeper on the stairway, and a latch pivotally mounted on the standard and comprising a part received in the groove to hold the latch disposed longitudinally of the stairway and in such position as to engage with the keeper, to hold the stairway retracted.

1,636,282. METHOD OF MANUFACTURING ELECTRIC INSULATORS. EUGEN REINHOLD CARL BOELCKE, Charlottenburg, Germany. Filed Oct. 5, 1925, Serial No. 60,556, and in Germany Dec. 30, 1924. 4 Claims. (Cl. 25—156.)



1. The herein described method of manufacturing electric insulators, which consists in moulding the insulator with a cavity, drying the insulator, putting into said cavity insulating matter which does not expand when being baked, and baking the insulator.

1,636,283. AUTOMATIC ADJUSTING END-THRUST BEARING. FREDDIE S. BUSSELL, Indianapolis, Ind. Filed Dec. 1, 1925. Serial No. 72,485. 3 Claims. (Cl. 308—167.)



1. An automatically adjustable end thrust bearing comprising but a pair of similar plates having complementary peripheral portions, one peripheral portion including an abutment, and the other peripheral portion including progressively deepening series of recesses.

1,636,284. BRAKE MECHANISM FOR RAILWAY CARS. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed May 21, 1923. Serial No. 640,402. 9 Claims. (Cl. 254—149.)



1. In a brake mechanism for railway cars, a brake, a power device for operating the brake and an extensible and contractable connection between them including a rotatably mounted multiplying lever having two laterally spaced arms, one of said arms being in the form of a segment having a substantially radial leading face, means for connecting said segment to said power device, said means engaging said leading face during the initial movement of said power device, means for connecting the other arm to an anchorage and means including a pivot for rotatably mounting the lever and transmitting force therefrom to the brake.

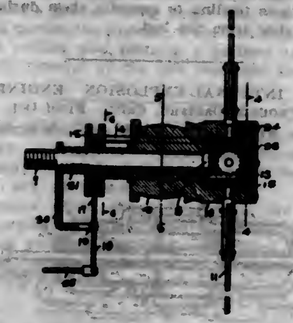
1,636,285. LIQUID FILTER. FREDERICK O. CATRON, Memphis, Tenn., assignor of one-half to Nettie P. Catron, Memphis, Tenn. Filed Jan. 11, 1926, Serial No. 80,574. Renewed Jan. 10, 1927. 5 Claims. (Cl. 210—165.)



1. In a filter having a fragile container; a liquid inlet passage, a liquid outlet passage, one of said passages including a tube in the container, and means normally in said container for coupling said tube of the one passage to the other passage in care of injury to the container.

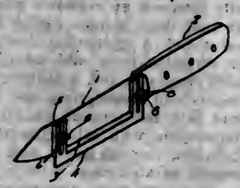
1,636,286. FAN. CARL L. CHRISTENSEN, Dalton, Nebr. Filed Oct. 10, 1925. Serial No. 61,868. 1 Claim. (Cl. 170—163.)

A fan for motor vehicle cooling systems including a stationary spindle, a pulley rotatably disposed on the forward end of the spindle and provided with a plurality of passages therethrough disposed about and parallel with said spindle, a hollow hub rigid with the forward side of said pulley, a plurality of rods slidable longitudinally in said passages and having their forward ends projecting into the hub forward ends of said rods being formed to set up rack teeth, radial blades having longitudinal pivot elements upon their inner ends journaled in and projecting into said hub, pinions fixed on the inner ends of said pivot elements within the hub and each meshing with the rack teeth of one of said rods, a collar rotatable about and slidable longitudinally of the spindle rearwardly of the pulley and having the rear ends of said rods fixed thereto, means to adjust the collar longitudinally of the spindle, said spindle having a head upon its forward end substantially engaging the forward side of the pulley within the rear end of the hub, and means to maintain the pulley substantially in engagement with said head



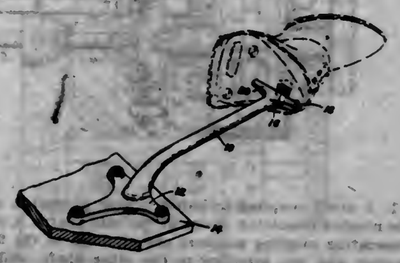
including a sleeve disposed on the spindle with its forward end abutting the rear side of the pulley, said collar being rotatably and slidably fitted on said sleeve.

1,636,287. PARING KNIFE. WILLIAM CLAWSON, San Francisco, Calif. Filed May 11, 1925. Serial No. 29,305. 1 Claim. (Cl. 30—20.)



A paring knife comprising a knife blade having a cutting edge, a guard strip, extending in spaced parallel relation to one side of the blade adjacent the cutting edge and projecting forwardly from said edge, said strip having integral right angularly extending portions on the ends thereof, which portions are thicker than the strip and are bifurcated, screws carried by the knife blade and extended through the bifurcations of said portions and nuts turned on the screws adapted to engage the said portions to hold the guard in adjusted position, said strip extending for substantially the entire length of the blade except as to the point portion of the blade and being disposed in spaced relation to the blade by reason of the relatively thicker right angularly extending portions.

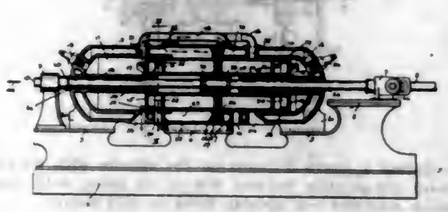
1,636,288. LAST-REMOVING DEVICE. GARRETT P. S. CROSS, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 562,171. 9 Claims. (Cl. 12—15.1.)



3. A last removing device comprising a base to be secured to a suitable support, a portion to be inserted into and to interlock with a last, and oppositely extending

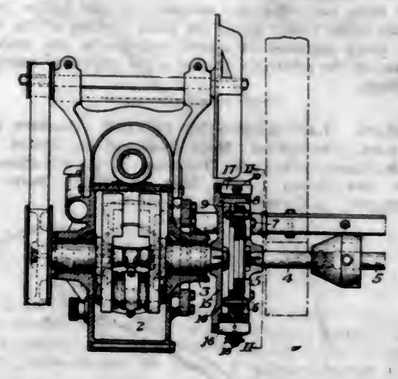
projections located adjacent to the interlocking portion of the device to bear against one end of the last to prevent relative movement of the device and the last in opposite directions tending to separate them during the removal of a shoe from the last.

1,636,289. INTERNAL-EXPLOSION ENGINE. WILLIAM F. CROUCH, Oakland, Calif. Filed Oct. 26, 1925. Serial No. 64,856. 13 Claims. (Cl. 123—62.)



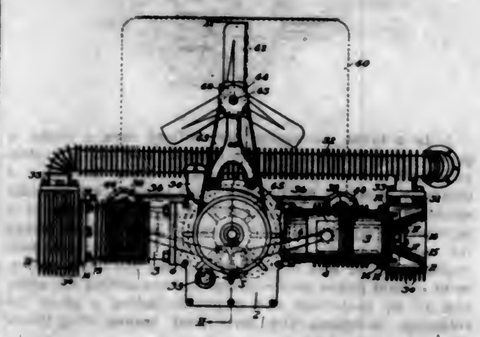
7. In an internal explosion engine a pair of cylinder members and therebetween a third cylinder adapted to receive and initially compress an explosive mixture a piston in each cylinder said three pistons rigidly fixed together and mounted on a rod, a cylindrical bored opening extending in each direction from said mounting and concentric and spaced from said rod, a bushing fixed to each of the end cylinders and spaced from and symmetrically positioned around said rod forming an air space therebetween, and telescoping with said cylindrical openings, a piston rod extending through all of said cylinders and externally supported, packing rings between each bushing and the corresponding cylindrical opening.

1,636,290. SHAFT COUPLING. JAMES ABRAM DAVEY, Sound Beach, Conn., and PAUL H. DAVEY and CHARLES L. GAUGLER, Kent, Ohio; said Gaugler assignor of his entire right to The Davey Tree Expert Company, Kent, Ohio, a Corporation of Ohio. Filed Mar. 16, 1925. Serial No. 15,716. 9 Claims. (Cl. 64—96.)



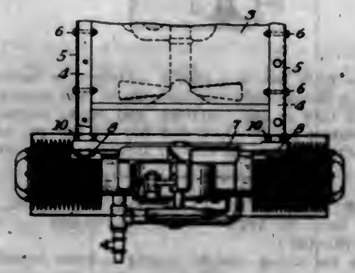
1. A shaft coupling including a pair of shafts, a flexible member connected to one of the said shafts, a pair of cooperating coupling members one attached to the flexible member and one attached to the other shaft, and positively-acting means for clamping the coupling members together to form a non-slipping driving connection, substantially as described.

1,636,291. AIR COMPRESSOR. JAMES ABRAM DAVEY, Sound Beach, Conn., and PAUL H. DAVEY and CHARLES L. GAUGLER, Kent, Ohio; said Gaugler assignor of his entire right to The Davey Tree Expert Company, Kent, Ohio, a Corporation of Ohio. Filed Mar. 16, 1925. Serial No. 15,717. 8 Claims. (Cl. 230—211.)



1. An air compressor including a cylinder, an end closure therefor, valves for passages in said end closure, and means providing a metallic path of high heat conducting quality and capacity from said valves to the exterior of the compressor.

1,636,292. POWER-APPLIANCE ATTACHMENT FOR AUTOMOTIVE VEHICLES. JAMES A. DAVEY, Sound Beach, Conn., and PAUL H. DAVEY and CHARLES L. GAUGLER, Kent, Ohio; said Gaugler assignor of all his right to The Davey Tree Expert Company, Kent, Ohio, a Corporation of Ohio. Original application filed Mar. 31, 1924, Serial No. 703,098. Divided and this application filed July 17, 1926. Serial No. 123,198. 8 Claims. (Cl. 180—53.)

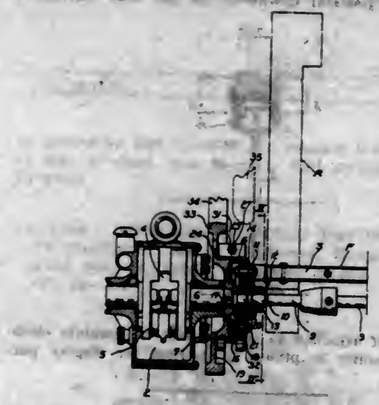


1. The combination of an automotive vehicle having an engine shaft and channeled frame members, a pair of bars fitting between vertically-spaced flanges of said frame members, means to prevent spreading of said flanges, a compressor supported solely by said bars close to the front of the vehicle, and means for driving the compressor from said engine shaft.

1,636,293. POWER CONNECTING DEVICE. PAUL H. DAVEY, Kent, Ohio, assignor of one-half to James A. G. Davey, Sound Beach, Conn. Filed June 21, 1926. Serial No. 117,649. 8 Claims. (Cl. 64—96.)

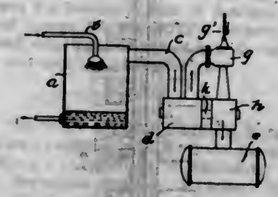
1. The combination of a driving shaft, a driven shaft normally alined therewith, a flexible torque-cushioning

disk permitting limited misalinement of said shafts, separate drums on said shafts, and a clamping band adapted



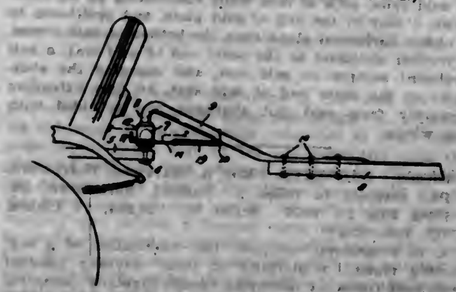
to encircle said drums said band tending to correct any misalinement of said drums and being movable out of operating contact with said drums.

1,636,294. REFRIGERATING MACHINE. ALBERT DELAS, Paris, France, assignor to Delas Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 24, 1920, Serial No. 353,865, and in France June 25, 1919. Renewed Oct. 23, 1926. 5 Claims. (Cl. 230—13.)



1. In combination, a pump, a motor for driving said pump, an ejector into which said pump discharges, means for supplying motive fluid to said ejector, and means for conducting the discharge of said ejector to said motor to drive the latter.

1,636,295. TRAILER COUPLER. THOMAS DEMPSEY, Proctor, Minn.; Fred C. Mitchell executor of said Thomas Dempsey, deceased. Filed May 3, 1926. Serial No. 106,451. 3 Claims. (Cl. 280—33.44.)

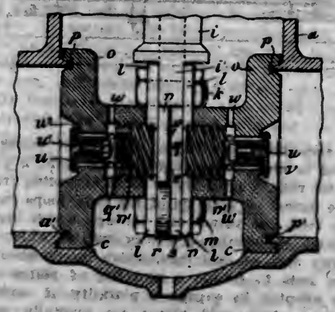


1. A trailer coupler of the class described including a ball, a rod adapted to be attached to a trailer pole, a socket on the rod for receiving the ball, means for attaching the ball to a vehicle, said socket provided with a slot, a lock plate including an elongated slot and having portions slidable in the slot of the socket, a portion of said lock plate slot being narrower than the diameter of the ball and a portion being larger than the diameter of the ball to permit the passage of the ball therethrough, a spring for holding said plate in a position to prevent the accidental removal of the ball from the socket.

1,636,296. PROCESS OF OXIDIZING FERROUS SULPHATE IN SOLUTION. ALEXANDER ELLIOTT, Los Angeles, Calif. Filed Mar. 31, 1926. Serial No. 98,828. 2 Claims. (Cl. 23—126.)

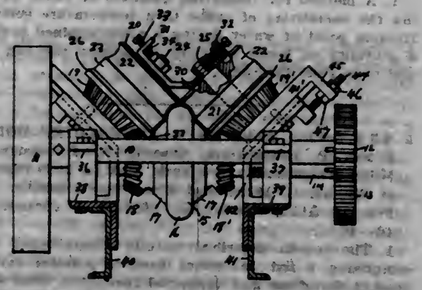
2. The process which comprises passing air through hot ferrous sulphate solution under a pressure in excess of atmospheric pressure and at a temperature above atmospheric temperature but below 100 degrees centigrade to produce ferric sulphate in solution.

1,636,297. STOP VALVE. RICHARD FISCHBACH, Berlin, Germany. Filed Sept. 3, 1921, Serial No. 498,516, and in Germany Aug. 13, 1920. 6 Claims. (Cl. 257—60.)



1. A stop valve of the sliding gate or shutter type, comprising in combination a valve body having inlet and outlet ports, a valve seating at each of said ports inside the valve body, a shutter comprising two non-circular discs for closing said ports, said discs being adapted to co-operate with the valve body for preventing rotation of the discs, and screw gearing for moving said discs into and out of close contact with the said valve seatings, said screw gearing comprising two threaded spindles, the threads of which have the same hand and means for turning said spindles in opposite directions as set forth.

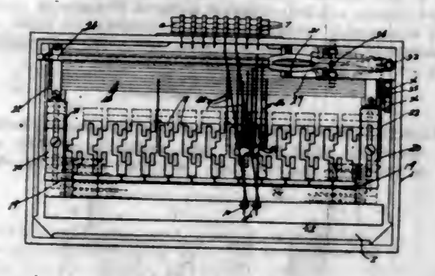
1,636,298. RIDGE-CAP-FORMING MACHINE. JESSE FULENWIDER, HARRY FULENWIDER, EDWARD W. ROBINSON, and HARRY S. NORRIS, Savannah, Ga., assignors to said Harry Fulenwider and Jesse Fulenwider. Filed June 28, 1926. Serial No. 119,144. 6 Claims. (Cl. 153—28.)



1. In a ridge cap forming machine, a plurality of rolls each provided with an annular channel and with plain

annular work engaging surfaces, these rolls being rotatable about axes inclined with reference to each other, and a third roll mounted between the rolls first named and having plain work engaging surface and a central circumferential convex portion spaced from the walls of the channels of the rolls first named.

1,636,299. ACCORDION PLATE. JOSEPH GALLEAZZI, San Francisco, Calif. Filed Oct. 24, 1925. Serial No. 64,584. 10 Claims. (Cl. 84—376.)



6. An accordion including a plurality of valves which are opened to play certain notes of the scale, a plurality of rotatable rods, a plurality of arms extending from and which are moved on rotation of the rods, loops extending upwardly from the valves and through which loops said arms extend, a plurality of levers each of which is connected with each of said rods, which levers when rocked cause the rods to rotate, a plurality of plates each of which is adapted to engage a plurality of said levers, means upon which said plates are pivotally mounted, which means is slidably mounted on the accordion, said plates being arranged to engage certain groups of levers when in one position and other groups of levers when in other positions, means for collectively shifting said plates into different positions and means for selectively rocking said plates on their pivots, which last named means comprises push button keys, rods extending from and which are actuated by said keys, bell cranks connected with and which are rocked by said rods, projections on the bell cranks adapted to engage and rock said plates, through which projections said arms extend and spring means normally holding said plates in one of its positions.

1,636,300. METHOD FOR IMPROVING THE QUALITIES OF COFFEE. OTTO GEWALT, Gottenborg, Sweden. Filed July 16, 1926. Serial No. 123,017. 4 Claims. (Cl. 99—11.)

1. A method for improving qualities of coffee comprising the submitting of coffee to a temperature below the freezing point of water during a predetermined period of a plurality of hours sufficient to remove the bad smell and taste from the coffee.

1,636,301. NOVELTY HANDKERCHIEF HOLDER. ELMER P. GOLDSMITH, Newark, N. J., assignor to Miller & Goldsmith, New York, N. Y., a Firm consisting of William G. Miller and Elmer P. Goldsmith. Filed Feb. 26, 1926. Serial No. 90,815. 2 Claims. (Cl. 46—40.)

1. The herein described novelty handkerchief holder comprising a flat horizontal base, a pedestal extending upward therefrom and supported thereby, a head secured to the upper end of the pedestal, a head covering holding the head in proper position, and means including spirally arranged lacing to hold the head covering and the head in position upon the pedestal, said lacing extending around the pedestal downward to the base whereby a



handkerchief attached to the pedestal to simulate clothing may readily be pinned in position for display purposes.

1,636,302. PLATE AND BRACE FOR RAILROAD GUARD RAILS. HARRY GOODWIN, Waterville, Me. Filed Mar. 27, 1924. Serial No. 702,306. 1 Claim. (Cl. 238—20.)



A guard rail chair including a plate of sufficient length to extend under both the guard rail and main rail, a recess in the upper face of said plate and having parallel side walls and adapted to receive the base flanges of said rails, each of said walls functioning as an abutment, a seat at the end of said plate, and positioned in a higher horizontal plane than the bottom of said recess, a vertical abutment at the outer end of said seat, a rail abutment secured on said seat, and engaging the abutment at the outer end of said seat, an arm extending upwardly from said rail abutment and provided with side wings.

1,636,303. CONVEYER. ROY A. HATFIELD, Norristown, Pa., assignor to Helen S. Hatfield, Norristown, Pa. Filed July 26, 1926. Serial No. 124,964. 3 Claims. (Cl. 198—220.)

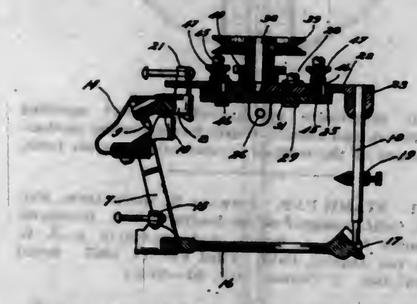
1. In a material conveyer, the combination of a supporting frame; a plurality of links pivotally pendant from said frame; a conveying trough pivotally connected to said links and provided with lugs; bumpers adjustably attached to said frame adapted for engagement with said lugs; a driving mechanism having a slotted fly-wheel; and a pitman rod adapted in one position of adjustment

relative to said trough, to be pulled by said fly wheel and released from the action of said fly-wheel, and, in a second position of adjustment relative to said trough to



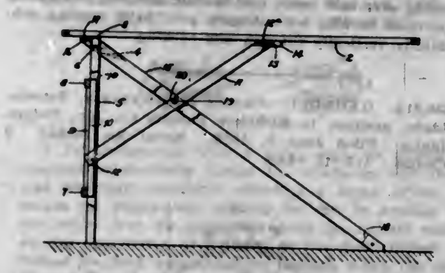
be pushed by said fly-wheel and released from the action of said fly-wheel, once in every half revolution of said fly-wheel.

1,636,304. OCCLUSAL GRINDING DEVICE FOR ARTICULATORS. MILUS M. HOUSE, Kansas City, Mo. Filed Nov. 16, 1925. Serial No. 69,374. 14 Claims. (Cl. 32—1.)



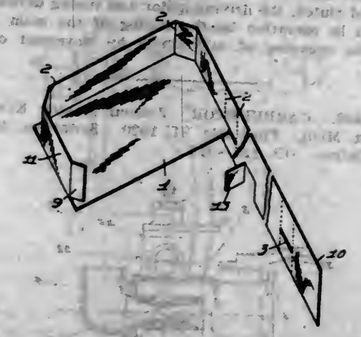
1. An occlusal grinding device comprising the combination of means for holding a pair of dentures in occluded relation, and means for imparting a translational movement of small amplitude to one of said dentures and confining said movement to a circular path.

1,636,305. IRONING BOARD. JOHN E. KALGREN, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 16, 1922. Serial No. 568,807. 4 Claims. (Cl. 68—10.)



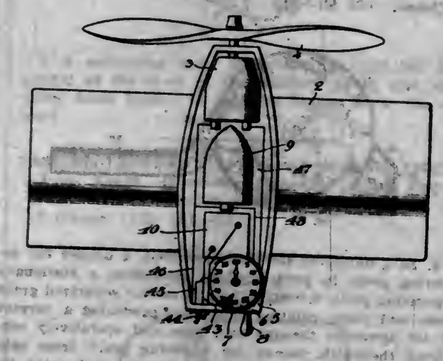
1. An ironing board comprising a top, and end legs pivotally connected to the under side of the top, a middle leg composed of rails pivotally connected at their upper ends to the under side of the top concentric with the pivots of said end legs, yielding bearings for the middle leg on the under side of said top adjacent said pivots, the lower ends of said middle leg rails being secured together and having a bearing upon the floor, a brace pivotally connected at its lower end with the middle portion of said end legs and having its upper end adapted to bear against the under side of said top, and the middle of said brace and the corresponding portion of said middle leg having means for interlocking when the parts are in operative position and being separable by downward movement of the upper end of the brace.

1,636,306. BERRY BOX. HARRY FRANCIS KESLER, Jr., Longmont, Colo. Filed Sept. 20, 1926. Serial No. 136,643. 1 Claim. (Cl. 229—16.)



A box comprising a bottom portion having an integral strip extending laterally from one end thereof, said strip having a scored line for folding one end thereof at right angles to the bottom and being provided with slots disposed inwardly from one edge of the strip in alignment with said scored line and arranged to receive the corners of the box, said strip having L-shaped cuts extending inwardly from one edge thereof, and scored lines joining the extremities of said L-shaped cuts and the adjacent edge, the portion between the scored lines and the cuts being foldable underneath the bottom of the box and constituting brace members for the bottom.

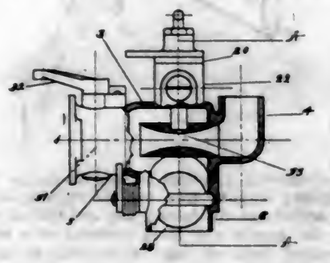
1,636,307. TORPEDO. CHARLES KESSEE, New York, N. Y. Original application filed Apr. 27, 1921, Serial No. 464,949. Divided and this application filed July 8, 1926. Serial No. 121,148. 1 Claim. (Cl. 244—1.)



In a flying torpedo, in combination, wings arranged on said torpedo, a propeller mounted to propel said torpedo, a motor arranged to drive said propeller, an explosive charge arranged in said torpedo, a source of electric power, a timing device for exploding said explosive at a predetermined time; said timing device consisting of a shaft, an arm rotatable with said shaft, a pivoted contact member in the path of said arm, said member having contact elements mounted on each side thereof, the contact elements on one side being normally closed and the contact elements on the other side being normally open; a main switch mounted on said torpedo, an electric circuit including the source of power, the main switch, the driving motor and the said contact elements which normally remain closed, a second circuit including the source of power, the main switch, the explosive charge

and the said contact elements which normally remain open; a clockwork for driving the said shaft of the timing device, a clutch interposed between said clock work and said shaft and a manually operated lever for engaging said clutch, the driving motor and timing device being started in operation by the closing of the main switch and the engaging of said clutch by movement of said lever.

1,636,308. CARBURETOR. JOSEPH MARION KING, Detroit, Mich. Filed Dec. 31, 1920. Serial No. 434,339. 6 Claims. (Cl. 123—119.)



1. A carbureting device for internal combustion engines comprising an outer and an inner conduit, a fuel source and a throttling valve, the outer conduit having an air inlet and a fuel-mixture outlet, the inner conduit having an exhaust-gases inlet, a fuel inlet, a fuel-exhaust-gases outlet and therein a venturi adapted to cause the flow and metering thereof of fuel from the said fuel source to the said fuel-mixture outlet when subjected to the influx of exhaust gases.

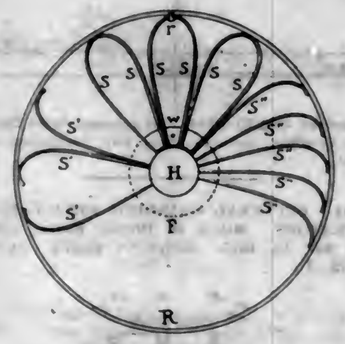
1,636,309. OAT HULLER. FREDERICK LAGE, Gladbrook, Iowa. Filed Apr. 7, 1924. Serial No. 704,706. 4 Claims. (Cl. 83—32.)



1. In a device of the class described, a hopper for delivering grain in predetermined quantities, a stationary separating plate, a vertical pipe to receive separated grain from said plate, rotating blades for producing a current of air upwardly through said pipe and operatively connected therewith, means for receiving grain from said hopper and delivering it to said blades, said grain being delivered from said blades in a tangent manner into perpendicular engagement with said plate.

1,636,310. WHEEL. DAVID H. LUDLOW, Easton, Pa. Filed Aug. 30, 1921. Serial No. 496,989. 2 Claims. (Cl. 152—50.)

1. A wheel having resilient spokes each leaving rim with a gradual curvature tangent thereto and approaching the hub substantially radially, with the entire intervening portion between rim- and hub-attachments so curved in plane of wheel-rotation that the deviation from tangent at successive points shall be always on same side and free from sudden variation, adjacent convexities being mutually apposed and tangent to each other at point of emergence from hub-attachment with resulting slight divergence to permit maximum initial flexing attended by



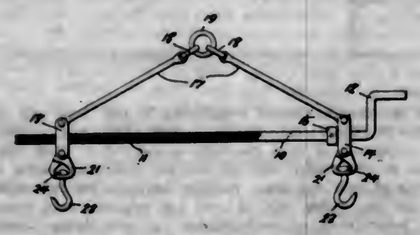
immediate progressive mutual-contact-support opposing further flexure and simultaneously increasing the mechanical efficiency of the resilience, substantially as set forth.

1,636,311. STAMP PAD. STEWART B. MCCULLOCH, Fullerton, Calif., assignor of one-fourth to O. A. Burchard, one-fourth to C. A. Briggs, and one-fourth to J. B. Golke, Los Angeles, Calif. Filed Feb. 11, 1927. Serial No. 167,458. 3 Claims. (Cl. 91—54.5.)



1. In a stamp pad, an absorbent base, and a mohair covering over said base; said mohair covering comprising a pervious backing with Angora goat hairs passing substantially vertically through said backing.

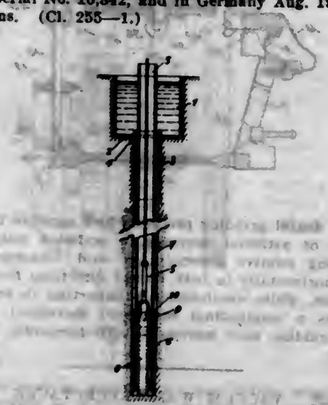
1,636,312. GAMBREL. CANUTE H. MICKELSEN, Tetonia, Idaho, assignor to Mickelsen Patents Co. Inc., Driggs, Idaho. Filed June 8, 1925. Serial No. 35,653. 2 Claims. (Cl. 17—44.)



1. A gambrel of the character described comprising a bar having a squared threaded portion upon one end and a smooth crank portion upon the opposite end, traveling and stationary blocks received on the squared threaded portion and smooth crank portion of the bar respectively, a collar fixed to the smooth crank portion of the bar for retaining the stationary block against sliding movement,

each of the blocks terminating in bifurcated and apertured end portions respectively, a pair of stirrups having their upper ends apertured and pivotally connected within the lower bifurcated ends of the blocks, a pair of hooks having their upper ends pivoted within the lower portion of the stirrups, a pair of rods having their lower ends pivoted within the bifurcated ends of the blocks, a pair of links connected to the upper free ends of the rods, and a common supporting ring receiving the links therein.

1,636,313. SINKING SHAFTS AND BOREHOLES. WILHELM G. MINUTH, Celle, Germany. Filed Mar. 18, 1925, Serial No. 16,342, and in Germany Aug. 19, 1924. 8 Claims. (Cl. 255—1.)



1. The method of sinking bore holes, pits, shafts and the like comprising boring into the rock, subdividing the bore hole thus obtained into a central space of cylindrical cross section and an outer space of annular cross section and forming in said outer space a stationary body of a non-solid mass.

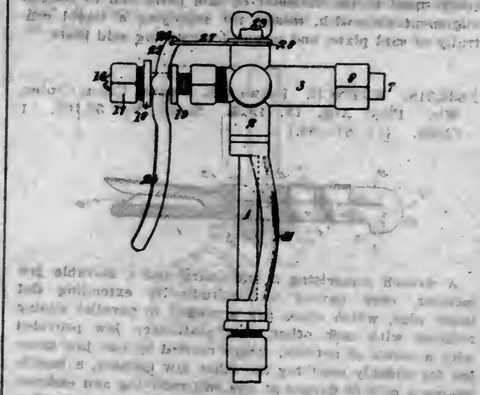
1,636,314. SPRAY NOZZLE AND TIP. JOHN D. MURRAY, San Francisco, Calif. Filed Nov. 12, 1925. Serial No. 68,657. 2 Claims. (Cl. 299—138.)



1. In combination with a spray pipe, an elastic disc disposed transversely across the discharge end thereof and centrally punctured affording a spray orifice, and means for peripherally holding the disc in position with its center free for distension from its normal position on the application of pressure to one face thereof, said means provided with an orifice through which the disc is distended, said orifice last mentioned controlling the contour of the distended portion of the disc.

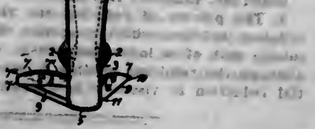
1,636,315. AIR BRUSH. JOHN D. MURRAY, San Francisco, Calif. Filed May 3, 1926. Serial No. 106,356. 11 Claims. (Cl. 91—45.)

1. A spray gun comprising a substantially T-shaped structure, the top consisting of a tubular body and a stem, a tubular handle, a tubular discharge nozzle extended from one end of the body and linearly reciprocable longitudinally therein, said discharge nozzle provided at one end with a discharge tip and provided in its wall with ports for respectively admitting liquid and air under pressure thereinto, the liquid at a point intermediate the tip and the air supply, said body provided with liquid and air passages with which said ports are adapted to register on the lineal movement of said nozzle, means for normally maintaining said ports out of register with



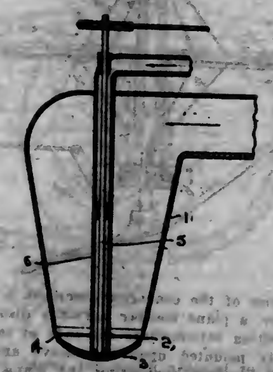
said passages, and a trigger between said handle and said tip for operation to actuate said nozzle against the action of said means.

1,636,316. SWIMMING SHOE. GEORG NOSSKE, Berlin-Steglitz, Germany. Filed June 2, 1926, Serial No. 113,278, and in Germany June 9, 1925. 6 Claims. (Cl. 9—21.)



1. A swimming shoe, comprising a rigid leg frame jointed at the lever of the wearer's ankle, and arched valve floats hinged to said leg frame below the ankle joint.

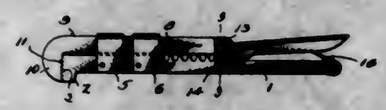
1,636,317. APPARATUS FOR ATOMIZING LIQUIDS. AAGE NYROP, Horsholm, Denmark. Filed July 25, 1925, Serial No. 46,170, and in Denmark July 25, 1924. 3 Claims. (Cl. 299—63.)



1. An apparatus for atomizing liquids, comprising in combination, a concave plate, means for supplying compressed air to said plate, said means comprising a

truncated conical conduit tapering toward said plate and terminating in proximity to said plate, the diameter of the end of said conduit adjacent the plate being substantially equal to the diameter of said plate and in coaxial alignment therewith, means for supplying a liquid centrally of said plate, and means for rotating said plate.

1,636,318. WRENCH. PATRICK E. OWENS, Union Center, Wis. Filed Aug. 13, 1925. Serial No. 50,107. 1 Claim. (Cl. 81—86.)

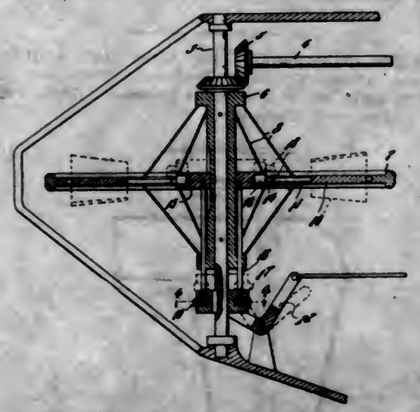


A wrench comprising a stationary and a movable jaw member, each having a longitudinally extending flat inner edge, which edges are arranged in parallel sliding relation with each other, said stationary jaw provided with a series of notches, straps carried by one jaw member for slidably receiving the other jaw member, a handle having a pair of flanges at one end receiving and embracing one end of the adjustable jaw members and further slidably embracing opposite sides of the stationary jaw member, a pivot connecting said flanges to the adjustable jaw member, and a rivet securing the flanges together and adapted to have adjustable engagement with said notches.

1,636,319. PROCESS OF REDUCING VISCOSITY OF NITROCELLULOSE SOLUTIONS AND PRODUCT THEREOF. EARLE C. PITMAN, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 11, 1921. Serial No. 491,596. 12 Claims. (Cl. 260—145.)

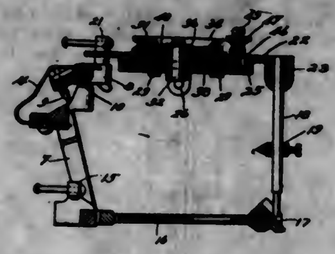
1. The process of reducing the viscosity of a nitrocellulose solution which comprises dissolving therein a soluble salt of a lower, monobasic, aliphatic acid, and allowing the resulting solution to stand until a substantial reduction in viscosity has occurred.

1,636,320. AEROPLANE. CARLOS MONTERO, Habana, Cuba. Filed Aug. 10, 1925. Serial No. 49,467. 2 Claims. (Cl. 244—19.)



1. In a device of the character described, a rotatably mounted sleeve, a plane member normally disposed in a horizontal position intermediate the ends of said sleeve, a hub slidably mounted upon the sleeve and secured thereto, brace members connecting the plane with the sleeve, an annular groove formed in the perimeter of the hub, said plane being formed with a plurality of circumferentially arranged openings, vanes movable in said openings, means forming connection between the hub and vanes for actuating said vanes upon movement of the hub relative to the sleeve, and manually operated means for imparting movement to said hub.

1,636,321. DENTAL GRINDING DEVICE AND PROCESS. JOHN W. NESBLES, Kansas City, Mo., assignor of one-half to Miles M. House, Kansas City, Mo. Filed Mar. 15, 1926. Serial No. 94,763. 6 Claims. (Cl. 32—1.)



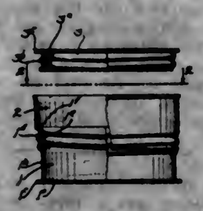
1. A dental grinding process which consists in holding a pair of artificial dentures in occluded relation, and producing relative movement of said dentures substantially horizontally in both lateral directions from central occlusion, while simultaneously imparting to one of said dentures a longitudinal rectilinear movement and positively guiding said movement both forwardly and rearwardly.

1,636,322. VACUUM WALL RECEPTACLE. WILLIAM C. O'LEARY, Washington, D. C., assignor of one-fourth to Joseph R. Pumphrey and one-eighth to Lucien George Berry, Washington, D. C. Filed Aug. 28, 1924. Serial No. 734,705. 3 Claims. (Cl. 220—9.)



1. In a receptacle, a vacuum chamber having one of its walls formed from an imperforate thin septum of low conductivity and providing an insulation, the said wall being materially less in thickness than any one of the other walls of said chamber.

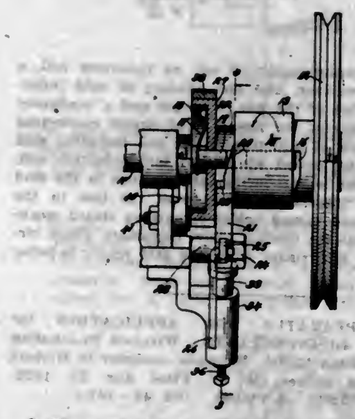
1,636,323. COLLAPSIBLE SHAVING CUP. CHARLES E. RAND, San Diego, Calif. Filed Dec. 30, 1925. Serial No. 78,435. 9 Claims. (Cl. 220—8.)



1. In a collapsible container, a base member having an upwardly extending container portion provided at its upper end with conforming inner and outer threads, an annular extension member positioned in telescopic relation to the container portion of said base member and provided with threads at its lower end adapted to engage the threads at one side of the upper end of said container portion for holding said extension member in extended relation therewith, and a cover provided with

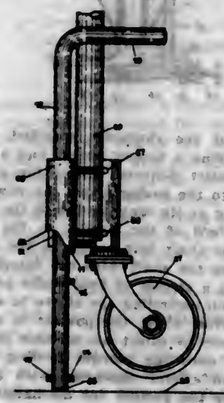
threads at its lower portion adapted to engage the threads at the other side of the upper end of the container portion when said extension member is collapsed relative to the container portion and form with the latter a tight container.

1,636,324. STOP MECHANISM. JAMES H. REED, Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 14, 1922. Serial No. 594,458. 4 Claims. (Cl. 192—140.)



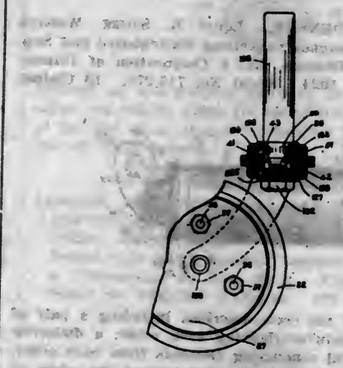
1. The combination with driving and driven members, of a bolt carried by said driven member for connecting the same with said driving member, a yieldingly mounted stop finger for withdrawing said bolt and stopping said driven member, and a brake for said driven member connected with said stop finger and operated by the yielding movement thereof.

1,636,325. CASTER MECHANISM. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed Dec. 16, 1921. Serial No. 522,827. 9 Claims. (Cl. 16—33.)



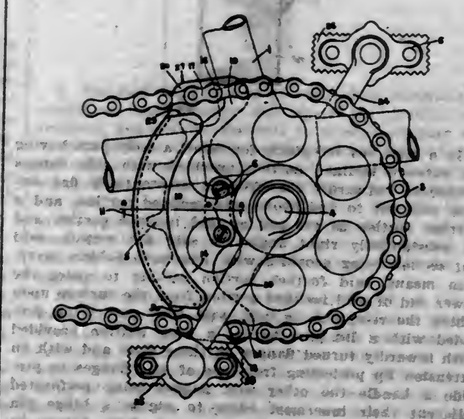
1. The combination with a leg, of supporting mechanism therefor comprising a bracket formed with a pair of vertically extending sockets, means for securing said leg to said bracket, a caster wheel structure secured within one of the sockets in said bracket, an adjustable supporting rod carried by the other socket in said bracket, means for maintaining the lower end of said rod in a plane above or below said caster wheel.

1,636,326. CASTER. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Original application filed Dec. 16, 1921, Serial No. 522,827. Divided and this application filed Mar. 8, 1926. Serial No. 93,052. 8 Claims. (Cl. 16—21.)



1. In a ball bearing caster, the combination with a caster fork having a horizontally disposed centrally perforated sheet metal yoke, of a pair of oppositely disposed sheet metal centrally perforated bearing cups rigidly mounted on the yoke co-axially with the perforation thereof and rigidly carried thereby, a caster stem, a pair of spaced opposed bearing cones carried by and secured to the stem, a portion of each bearing cone telescoped within one of the cups, bearing balls interposed between the telescoped end of each cone and the inner surfaces of the end and side walls of the enclosing cup, and securing means disposed between the arms of the fork to secure the cones on the stem to provide an anti-frictional bearing for the caster on the stem, the caster stem projecting by a reduced portion entirely through the aligned perforations of the yoke and cups.

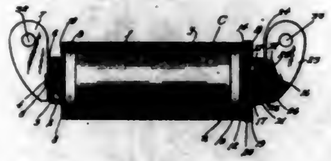
1,636,327. CYCLE. MAYO E. ROE, Elyria, Ohio, assignor to The Colson Company, Elyria, Ohio, a Corporation of Ohio. Filed May 12, 1926. Serial No. 108,500. 4 Claims. (Cl. 208—145.)



1. A safety device for cycles adapted to prevent extraneous objects from being drawn between the propelling cycle sprocket and its chain during rotation of the sprocket, comprising a one piece guard having a flattened

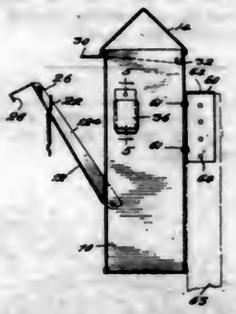
centrally disposed portion adapted to secure the guard to the frame on the inner side of the sprocket and having a portion overlying the periphery of the sprocket and extending from points closely adjacent the leaving and advancing chain portions with the sprocket.

1,636,328. CONDENSER. LOUIS B. SAUER, Western Springs, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1924. Serial No. 715,279. 19 Claims. (Cl. 175—41.)



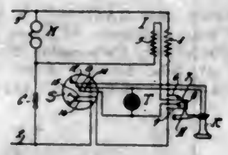
1. A device of the class described including a pair of conducting elements overlapping each other, a dielectric for insulating said conducting elements from each other, said conducting elements extending beyond the edges of said dielectric, and individual disk terminal means for each of said conducting elements, each of said disk terminal means adapted to engage the extending edge of the particular conducting element associated with the said disk terminal means, and yielding means for maintaining said disk terminals in engagement with their respective conducting elements.

1,636,329. MAIL BOX. SOL C. SHERRY, Englewood, N. J. Filed Apr. 2, 1924. Serial No. 703,682. 1 Claim. (Cl. 232—33.)



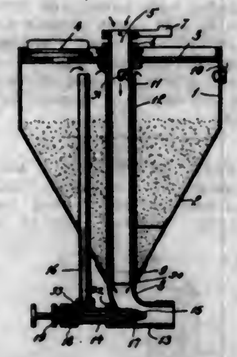
In a mail box receptacle for coins, a body part having an outward inclined portion provided with side flanges projecting outwardly therefrom, a substantially flat section adjacent to and above said inclined portion, and a further portion at the end of said inclined portion and at substantially right angles to said flat section, said flat section being provided with receptacle holders reception means, said further portion serving to space the lower end of said inclined portion from the surface upon which the receptacle is held, said body part being provided with a lid part having a body portion provided with inwardly turned flanges on three sides and with an extension lip projecting from one of said flanges to provide a handle the other said flanges being perforated adjacent their innermost edges to engage a hinge pin projecting through the outermost edges of the flanges on said body part so that the lid is normally held by its own weight over said body portion to form a complete coin receptacle which will discharge upon pulling said lid lip.

1,636,330. SUBSTATION TELEPHONE CIRCUIT. ARTHUR BESSEY SMITH, Evanston, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 22, 1922. Serial No. 562,633. 13 Claims. (Cl. 179—81.)



1. In a substation telephone set, an induction coil, a transmitter, a receiver, and one winding of said induction coil in bridge of the line, a ringer and a condenser in a second bridge of the line, a local circuit connecting the two terminals of said transmitter and including said condenser and the second winding of said induction coil, an impulse sender for producing interruptions in the said first bridge to transmit impulses over the line to the exchange, the said second bridge remaining closed meanwhile, and means for closing a low impedance shunt circuit around the said ringer while the said sender is being operated.

1,636,331. APPARATUS FOR APPLICATION OF POWDERED DISINFECTANTS. WILLIAM BLACKBURN SMITH, Hamilton Parish, Bermuda, assignor to Herbert Hice Whetzel, Ithaca, N. Y. Filed Apr. 22, 1922. Serial No. 555,963. 5 Claims. (Cl. 43—147.)



3. A device of the character specified, comprising a closed casing having a hopper outlet, and a feed chamber to which the outlet delivers, means for supplying fluid under pressure to the casing above the powder, a hollow shaft cooperating at its inner end with the hopper outlet to control the feed of the powder to the chamber, the outer end of the shaft being open to the atmosphere, a nozzle connecting the shaft with the interior of the casing for directing a stream of fluid under pressure toward the outlet, a shell encircling the sleeve in spaced relation and extending from above the powder to near the lower end of the sleeve to direct an annular stream of fluid under pressure onto the powder feeding into the feed chamber, and an ejector connected with the interior of the casing above the powder for discharging the powder from the feed chamber.

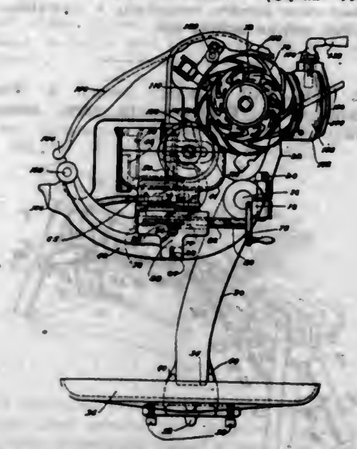
1,636,332. GUIDE TOOL. JOHN PEMBERTON SNAPP, Limestone, Tenn. Filed May 7, 1926. Serial No. 107,483. 3 Claims. (Cl. 140—123.)

1. In a device of the class described, a pair of jaws pivotally connected and channeled transversely, the channels being opposite each other, a third jaw movable about a pivotal point at an angle to the axis of movement of



the jaws first named, and an element mounted in the third jaw and movable thru this jaw in alinement with a bore formed by the channeled portions.

1,636,333. FINISHING MACHINE. JOHN F. STANDISH, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of Massachusetts. Filed Jan. 2, 1926, Serial No. 78,880. Renewed Oct. 8, 1926. 14 Claims. (Cl. 12—79.5.)



3. In a burnishing machine, a burnishing iron rotatably mounted in the machine, means for supplying wax to the periphery of said iron, means for spreading wax comprising a brush contacting with the iron at a point offset from the highest part thereof as the latter is moved in the machine, and means for heating the iron by combustion comprising a burner having its orifice disposed within the periphery of the iron at a point substantially diametrically opposite the point of application of the spreading brush.

1,636,334. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed July 3, 1922. Serial No. 572,435. 8 Claims. (Cl. 88—47.)

1. The method of making a non-metallic article of the class described that comprises cutting a longitudinal slot in a non-metallic rod, and cutting into a wall of the slot to increase the width of the slot.

7. An ophthalmic mounting having, in combination, an inner metal rim having an inner lens-receiving groove of narrower width than the largest cross-sectional width of the rim, the groove being joined to the portion of largest cross-sectional width by plane walls, the portion of largest cross-sectional width being curved in cross section, and the portions near the plane walls being of gradually decreasing radius, and a split outer rim con-



stituted of non-metallic material having an inner annular slot within which the metal rim is seated, the wall of the slot being shaped to conform to the exterior surface of the metal rim.

1,636,335. METHOD OF MAKING OPHTHALMIC MOUNTINGS. ARTHUR LEROY MCKINSTRY, Southbridge, Mass., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 27, 1928. Serial No. 628,180. 3 Claims. (Cl. 88—47.)



3. The method of making an ophthalmic mounting that comprises longitudinally slotting a rim constituted of resilient, non-metallic material to produce an annular wing on each side of the slot, beveling the outer portions of the wings along the walls of the slot, bending inward the beveled portions of the wings, and resiliently forcing a metal rim into the slot, the metal rim being shaped to conform to the slot and having a lens-receiving groove.

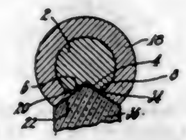
1,636,336. OPHTHALMIC MOUNTING AND METHOD. DANIEL PURSEL BERNHEIM, Southbridge, Mass., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 13, 1923. Serial No. 624,756. 15 Claims. (Cl. 88—47.)



8. The method of making an ophthalmic mounting that comprises longitudinally slotting a rod constituted of resilient, non-metallic material to produce annular wings on each side of the slot, bending inward the material of the rim near the mouth of the slot, temporarily resiliently separating the portions of the wings near the mouth of the slot, introducing a second rim into the slot by way of the opened-out portions, and permitting the opened-out portions of the wings to spring back into normal position to engage the second rim and hold the rims together.

10. An ophthalmic mounting constituted of two elements only, one a rim of substantially circular cross section, and the other a split rim having an annular slot extending substantially throughout its length within which the first-named rim is seated, the wall of the slot being of substantially circular cross section and shaped to conform to the surface of the first-named rim, one of the rims being constituted of resilient material and adapted to yield resiliently during the seating of the rim of substantially circular cross section within the annular slot of the slotted rim, whereby the rims are locked together substantially throughout their length.

1,636,337. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 9, 1921. Serial No. 459,940. 3 Claims. (Cl. 88—47.)



1. An ophthalmic mounting having, in combination, an inner rim having an inner lens-receiving groove, and an outer rim having wings forming between them an inner annular slot within which the inner rim is seated, the wings extending beyond the inner rim, whereby a lens is adapted to rest against the extending portions of the wings without engaging the walls of the lens-receiving groove.

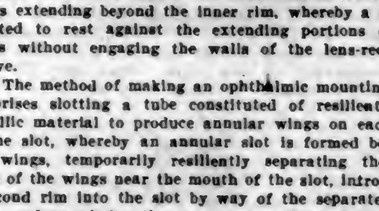
3. The method of making an ophthalmic mounting that comprises slotting a tube constituted of resilient, non-metallic material to produce annular wings on each side of the slot, whereby an annular slot is formed between the wings, temporarily resiliently separating the portions of the wings near the mouth of the slot, introducing a second rim into the slot by way of the separated portions, and permitting the separated portions of the wings to spring back into normal position to engage the second rim and hold the rims together.

1,636,338. OPHTHALMIC MOUNTING. FREDERICK A. STEVENS and JAMES W. WELSH, Providence, R. I., assignors, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Original application filed June 13, 1921, Serial No. 477,146. Divided and this application filed Sept. 2, 1922. Serial No. 585,910. 2 Claims. (Cl. 88—42.)



1. Ophthalmic mounting comprising a non-metallic member having a lens-receiving groove, a member joined to the non-metallic member, and a split metal member for joining them together, the metal member being mounted in the non-metallic member and having the split parts diverging and extending into the groove and forced into the non-metallic material of the non-metallic member at the groove to conform to the shape of the groove.

1,636,339. OPHTHALMIC MOUNTING. JAMES W. WELSH, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 19, 1922. Serial No. 595,542. 3 Claims. (Cl. 88—43.)



1. A nose guard bent downward, upward, directly outward and forward.

1,636,340. SPECTACLE TEMPLE. JAMES W. WELSH, Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,125. 9 Claims. (Cl. 88—52.)

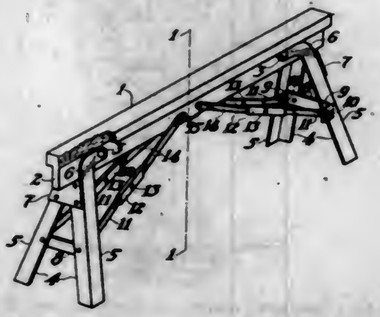


9. A spectacle temple comprising a metal core having a relatively straight shank portion and a flexible rear portion, and a non-metallic covering for the core covering the shank portion and the rear portion, the portion of the covering that covers the rear portion of the core comprising a tubular member that is cut into the form of a helix, whereby the helically cut portion of the tube is stiffened by the rear portion of the core but has substantially the same degree of flexibility as the said rear portion of the core.

1,636,341. HAIR DYE. MAUDE AGNES MINGUS WHEELER, Oakland, Calif. Filed Dec. 31, 1924. Serial No. 759,100. 4 Claims. (Cl. 167—5.)

2. A hair rinse powder, comprising a crystalline mild organic acid, and an aniline dye.

1,636,342. FOLDING HORSE. JOSEPH A. WHELAN, Greenwich, Conn. Filed June 12, 1926. Serial No. 115,422. 1 Claim. (Cl. 304—5.)

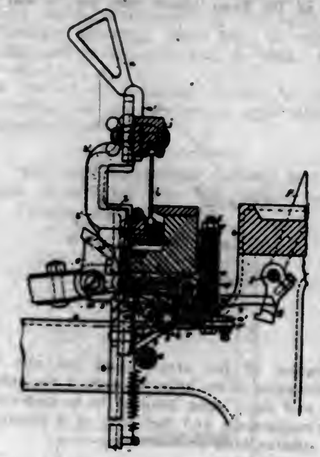


In a mason's trestle having a trestle bar, a pair of divergent legs pivoted to the trestle bar and adapted to support said bar and jointed braces adapted to be positioned between said bar and said divergent legs, the combination comprising a cross piece rigidly connected to said legs medially thereof, each end of said cross piece having a right angularly extending finger, the said brace being formed in two sections, one section being pivotally connected at one end to one of the said right angularly extending fingers, and the other end pivotally connected to a U-shaped housing, the other section having one end pivotally connected to said bar and the other end rigidly connected to said U-shaped housing, said sleeve being also positioned in parallel alignment to said bar, for the purposes as described.

1,636,343. LOOM. WILLIAM S. WELLS, Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. Y., a Corporation of New Jersey. Filed Mar. 15, 1924. Serial No. 699,391. 7 Claims. (Cl. 139—189.)

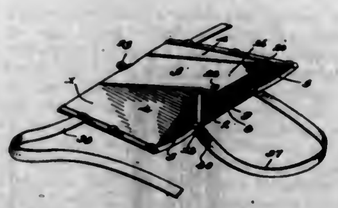
1. In combination, a batten including structure movable back and forth, a reed rearwardly movable therein, and

means to establish yielding resistance to the backward movement of the reed after said structure during each



forward stroke thereof has passed a given position and thereupon maintain said resistance until such stroke is completed.

1,636,344. INHALATION DEVICE. JOSIAH H. WILLIAMS, Baltimore, Md. Filed Apr. 10, 1923. Serial No. 631,218. 8 Claims. (Cl. 128—187.)



1. An inhalation device comprising a receptacle formed of flexible sheet material, said receptacle having top and bottom walls permanently joined at their rear longitudinal edges only and detachably connected at their side edges, one of said walls being provided at its front edge with front wall sections detachably connected with the other of said walls, said front wall section being spaced to provide a vapor outlet, and said top wall having a flap in line with said outlet, and a spreading device within the receptacle comprising resiliently connected top and bottom members, the top member having a forward portion projecting through the outlet beyond the front wall sections, said flap adapted to be folded under said forward portion of the top member and to be detachably connected at its free edge with the top wall of the receptacle, the construction being such that upon disconnecting said walls and flap at their points of detachable connection the receptacle may be outspread in the form of a substantially flat sheet.

1,636,345. ICE-CREAM MACHINE. RUSSELL A. WILLSON, Spokane, Wash., assignor of one-half to Fred N. Martin, Spokane, Wash.; Carrie Willson executrix of said Russell A. Willson, deceased. Filed Apr. 2, 1925. Serial No. 20,308. 5 Claims. (Cl. 62—114.)

1. In an ice cream apparatus the combination with a congealing chamber having an opening in its wall and refrigerating means for said chamber, of means for varying the venting capacity of said opening, an exterior spraying device having its nozzle in said opening, and



means for adjusting said nozzle with relation to the interior of the chamber and with relation to said second named means.

1,636,346. METHOD OF MAKING LATE-NEWS PRINTING PLATE AND MOLD THEREFOR. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 4, 1923, Serial No. 655,773. Renewed Dec. 27, 1926. 14 Claims. (Cl. 22—5.)

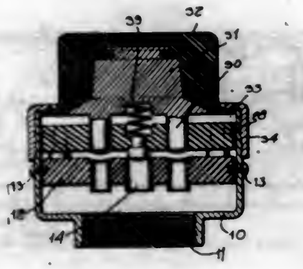


1. A convex core for a stereotype plate mold having detachably mounted on its convex surface a coring block for forming a late news cavity in the plate to be cast.

1,636,347. LIGHTING-SYSTEM SWITCH. WILLIAM W. WOODROOF, Pittsburgh, Pa. Filed Nov. 19, 1925. Serial No. 70,149. 2 Claims. (Cl. 200—6.)

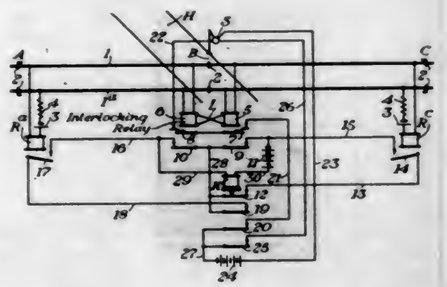
2. In combination, a shell having a fixed contact plate therein and provided with a central contact and a series of contacts arranged in spaced relation on an arc adjacent the periphery of said plate, a rotatable plate mounted in spaced relation to said fixed plate and having a central contact engaging the central contact of the fixed plate and a second contact electrically connected to its central contact and positioned to sweep over the arcuate series of contacts on the fixed plate, a button having a conductive body and an operating portion insulated from the body, a pair of prongs on said body, said second plate having openings in which said prongs slidably engage, a pair of arcuate contacts on opposite sides of the central

contact of the first plate and concentric therewith, said last contacts being positioned for engagement by said prongs in the various operative positions of the second



plate, and spring means normally holding said button away from said second plate and the prongs out of engagement with the arcuate contacts.

1,636,348. CONTROLLING APPARATUS FOR HIGHWAY-CROSSING SIGNALS. HENRY S. YOUNG, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Apr. 22, 1926. Serial No. 103,785. 6 Claims. (Cl. 246—130.)



1. In a highway crossing protecting apparatus, the combination with two adjacent track sections having an interlocking relay connected therewith and means for energizing said sections, of a plurality of other relays, one being connected to each of said sections, a signal, and means including a stick relay and controlled by said other relays for operating said signal when either of said track sections is de-energized.

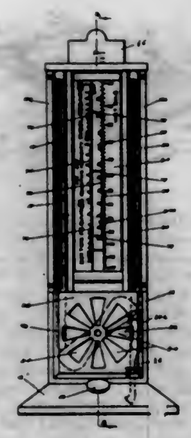
1,636,349. ROOFING SHINGLE. ROBERT B. ADAMS, Lonsdale, R. I. Filed Dec. 30, 1925. Serial No. 78,383. 1 Claim. (Cl. 108—7.)

A roofing shingle comprising a body formed from a rectangular sheet with triangular portions removed from diametrically opposed corners thereof to provide the shingle with straight parallel side edges adapted to abut similar edges of similar adjoining shingles, with a pair of similar notches formed in the lower edges of the sheet to provide transversely aligned right angular shoulders at the lower ends of said side edges, and with a further pair of notches formed in the lower edges of the sheet to form an arrow head tab of the lower corner portion of the shingle body having transversely aligned shoulders at its inner upper end, and a slat between



each shoulder of the arrow head tab and the right angular shoulder at the adjacent side of the shingle body, said tab and slats being adapted to be under-turned for the inter-engagement and fastening of a plurality of the shingles, substantially as described.

1,636,350. PORTABLE PSYCHROMETER. JOSEPH ARMSTRONG, Allston, Mass., assignor to American Moistening Company, Boston, Mass., a Corporation of Maine. Filed Aug. 31, 1926. Serial No. 132,688. 4 Claims. (Cl. 73—24.)

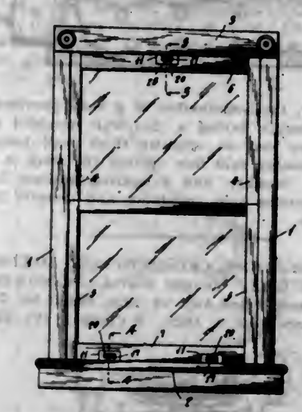


1. A psychrometer comprising, in combination, a casing having a reservoir for water in its base; a pair of thermometers mounted on the front wall of said casing; a wick extending from said reservoir around one of the thermometer bulbs; a fan arranged in said casing for blowing air to be tested past both bulbs; a handle on the back of said casing whereby the psychrometer can be held in the hand; a push rod arranged with respect to said handle to enable the rod to be actuated by the hand holding the psychrometer; and power transmitting connections between said rod and the fan for transforming the linear movement of said rod into rotative movement of the fan.

1,636,351. PROCESS FOR EXTRACTING FATS FROM TEXTILES. ALBERT BEIL, Hochst-on-the-Main, and WILHELM ADOLF MEYER, Hersfeld, Germany, assignors to A. Rechberg Gesellschaft mit beschränkter Haftung and Georg Braun Gesellschaft mit beschränkter Haftung, Hersfeld, Germany. Filed Mar. 11, 1926, Serial No. 94,095, and in Germany Mar. 18, 1925. 2 Claims. (Cl. 87—6.)

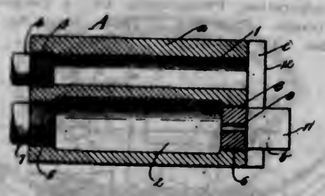
1. In a method of defatting textiles by means of volatile solvents, the step of treating such textiles with liquid methylenechloride.

1,636,352. WINDOW FASTENER. EDITH MAY BROWN, Pittsburgh, Pa. Filed Jan. 15, 1926. Serial No. 81,554. 1 Claim. (Cl. 292—128.)



In a window fastener, a sash rail having a recess therein, an open sided casing set into the recess with the open side thereof disposed adjacent the window frame, a latch keeper on the window frame in position to be enclosed by the casing when the sash is closed, a tensioned latch carried by the sash to automatically engage the keeper, the front wall of the casing being set flush with the front wall of the sash and having an opening therein, a handle for the latch extending through the wall opening, said latch being of plate formation and V-shaped in end elevation, one wall constituting the handle, a latch flange on the other wall, a shaft journaled at its opposite end in the casing to which the latch is rigidly secured, collars fixed to the shaft adjacent each end to engage the end walls of the casing to prevent axial movement of the shaft, and a coil spring on each end of the shaft between the latch and casing with its opposite ends engaged with the latch and casing to position the latch for automatic engagement with the keeper.

1,636,353. BURNER. STEVE BULLUM, Los Angeles, Calif. Filed Nov. 4, 1924. Serial No. 747,736. 2 Claims. (Cl. 158—75.)



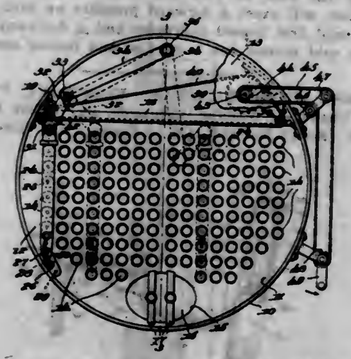
1. A device of the character disclosed, including a burner housing provided with two spaced bores; said burner housing at one end being provided with a channel with which such bores communicate, and a nozzle provided with two spaced wings extending from one of said bores and beyond the burner housing.

1,636,354. MOORING MAST AND MOORING GEAR FOR LIGHTER-THAN-AIR AIRCRAFT. CHARLES DENNISTON BURNEY, Westminster, London, England, assignor to Airship Guarantee Company, Limited, London, England, a British Company. Filed Feb. 11, 1925, Serial No. 8,400, and in Great Britain Feb. 19, 1924. 9 Claims. (Cl. 244—2.)



1. A mooring mast for lighter-than-air aircraft, in which anchor points for the side guys or cables which steady the airship as she is being hauled down to the mast are provided on laterally or radially projecting members or girders attached at or towards the top of the mooring mast.

1,636,355. BOILER-TUBE CLEANER. FRANK H. COLE, Chelsea, Mass. Filed Mar. 26, 1926. Serial No. 97,550. 4 Claims. (Cl. 122—391.)

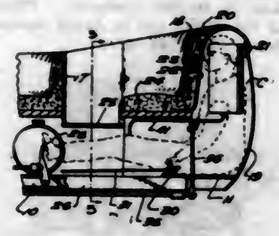


1. The combination of a boiler having tubes therein and a boiler tube cleaner comprising a traversing member arranged in said boiler and provided with a plurality of delivery outlets to register with the tubes of said boiler; means to supply steam to said traversing member; means to support said member with provision for movement, and means to impart movement to said member, said traversing member having a steam delivering end section normally in alignment with the body portion thereof but movable laterally relatively thereto at times.

1,636,356. AMUSEMENT DEVICE. GEORGE P. CUONIX, Erie, Pa. Filed Sept. 4, 1926. Serial No. 133,688. 3 Claims. (Cl. 180—1.)

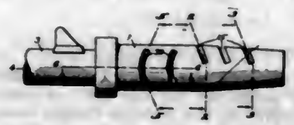
1. In combination with an automobile having the usual driver's and rear seats and deck, a compartment formed beneath the deck and extending partially behind

the rear seat for the accommodation of an operator, controls for the automobile likewise concealed beneath the deck and extending to said space and a dummy steering



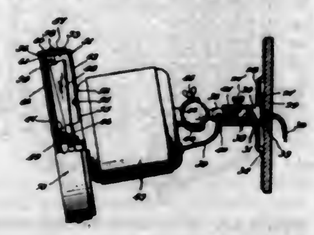
wheel occupying the position ordinarily occupied by the usual steering wheel of the vehicle, said dummy steering wheel being flexibly connected with the vehicle and shiftable to various parts thereof.

1,636,357. ANTICLIMB DEVICE. RICHARD M. CUTTS, Jr., Washington, D. C., assignor to Richard M. Cutts, sr., Washington, D. C. Filed May 22, 1926. Serial No. 110,983. 21 Claims. (Cl. 89—42.)



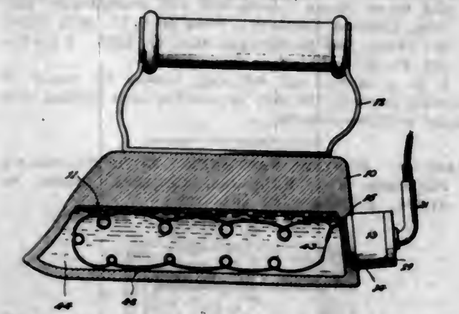
1. A firearm provided with a muzzle and a chamber associated therewith adapted to receive the gases of explosion, the walls of said chamber provided with a group of diametrically opposed apertures and another group of apertures disposed to one side of a plane passing through the axis of said chamber, whereby on firing, said gases will exert a forward pressure on said muzzle due to said first named apertures and a downward pressure on said muzzle due to said second named apertures.

1,636,358. AUTOMOBILE FAN. KNOWLTON C. FAIRMAN and FRANK N. WAGNER, Creekside, Pa. Filed Apr. 28, 1926. Serial No. 105,242. 1 Claim. (Cl. 230—273.)



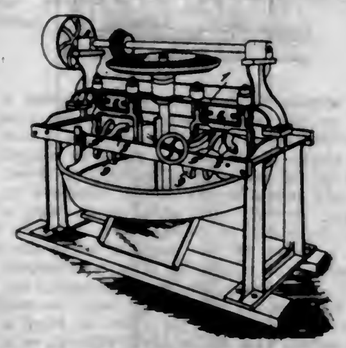
In a device of the class dscribed, an attaching base, a socket projecting therefrom and having electrical contacts therein for the connection of conductor wires led through the base, a plug removably fitted into the socket and having a passage opening through the side and one end thereof for the reception of conductor wires, the plug having contacts at its said end for the connection of said wires and for engaging the contacts of the socket, means carried by the socket for engaging the plug to retain the same in the socket, an electric motor and fan driven thereby, the motor including a casing, and coacting ball and socket member upon the plug and the motor casing, the socket member having a set screw threaded through its wall for direct engagement with the ball member for holding the socket member in various positions of angular adjustment upon said ball member.

1,636,359. FLATIRON. ELMER GATES, Washington, D. C.; Donald E. Gates administrator of said Elmer Gates, deceased. Filed Dec. 15, 1921. Serial No. 522,552. 1 Claim. (Cl. 219—25.)



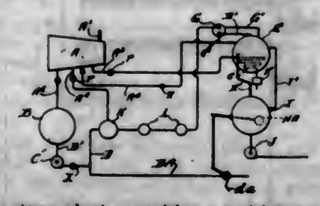
In a heater, the combination of a body provided with a heating chamber having a thin wall provided with a smoothing face and an opposite thick wall forming a weight for pressing said face against the work, a resistance in said chamber, and a heating medium in said chamber immersing said resistance and directly in contact therewith.

1,636,360. GRINDING, CRUSHING, AND MIXING MACHINE OR MILL. JOSEPH EMILE GERNELLE-DANLOY, Rouen, France. Filed Aug. 14, 1924, Serial No. 732,096, and in France Sept. 1, 1923. 5 Claims. (Cl. 83—11.)



1. A rotary element of a grinding machine made up of a series of arms disposed in the same circumferential plane and curving in the axial direction, said arms having grinding surfaces operating to increasingly compress the material on the cooperating grinding surfaces in the direction of grinding.

1,636,361. WATER HEATING AND DEAERATING. GEORGE H. GIBSON, Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,906. 5 Claims. (Cl. 60—67.)



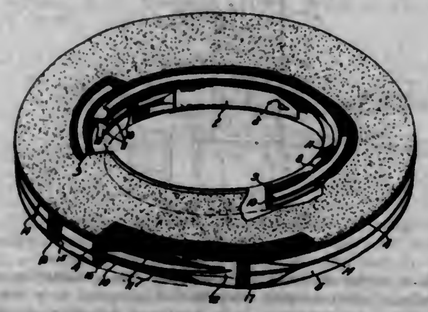
1. In a steam plant comprising a multistage steam turbine and a condenser receiving the main exhaust from said turbine, the combination therewith of feed water heating and deaerating apparatus comprising a chamber having an upper air and steam space and a lower water space, means for passing water of condensation from said condenser through said air and steam space in divided streams, a closed steam heater in the lower portion of said chamber, a connection for bleeding steam from an intermediate stage of said turbine into said heater, a connection for bleeding steam into the chamber above the water level therein from a stage of the turbine in which the steam is at a lower pressure than in the first mentioned stage, and means for discharging air from said air and steam space.

1,636,362. TELEPHONE RECEIVER WITH DETACHABLE SOUND AMPLIFIER. EDWARD ALFRED GRAHAM, Brockley, London, England; Maria Graham and Alfred Graham executors of said Edward Alfred Graham, deceased. Filed Feb. 12, 1926, Serial No. 87,899, and in Great Britain Sept. 11, 1925. 2 Claims. (Cl. 179—146.)



1. Sound amplifying means embodying a telephonic receiver, comprising a hollow base, a telephonic receiver having an externally screw threaded hollow stem extending through a hole in the top wall of said base and extending above said wall and a horn having its smaller inlet end fitted with a bushing of vibration deadening or non-sonorous material formed with an internal screw threaded companion to the external screw thread on the stem of the telephonic receiver and firmly engaged with such stem whereby the top wall of the base is firmly clamped between the upper end of the receiver and the smaller end of the horn in a readily detachable manner.

1,636,363. GASKET. JENNIE S. HETTINGER, Camden, N. J., assignor to United States Asbestos Co., Manheim, Pa. Filed June 19, 1925. Serial No. 38,213. 5 Claims. (Cl. 288—1.)



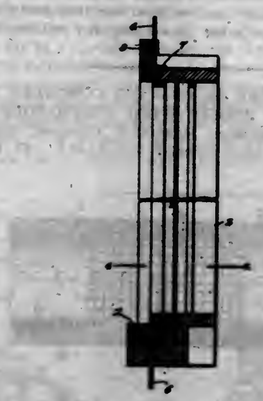
1. A gasket including a spirally wound strip of substantial T cross-section arranged with the shank of the T of one coil extending to but not substantially beyond the cross bars of the T of the adjacent coil, each half of the cross bar being curved toward the shank to form a semi-circular hook, and a filler between the coils.

1,636,364. FIXTURE SUPPORT. JOSEPH A. HOEGGER, Jersey City, N. J. Filed Feb. 17, 1923. Serial No. 619,549. 2 Claims. (Cl. 248—20.)



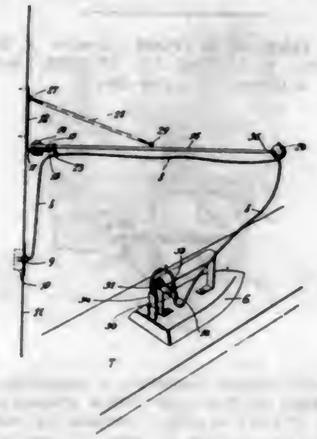
1. A fixture support comprising a supporting member having a rigid one-piece stem with a recessed part, the outer wall of which is inclined towards the base of the stem, means for attaching the stem to a support, a supported member having a socket which fits over the stem of the supporting member so that the stem substantially fills the socket transversely, and a fastening member carried by and adjustable in the supported member intersecting the socket and impinging on the outer inclined wall only of the recess of the stem thereby moving the supported member endwise towards its base.

1,636,365. WINDOW FLASHING. ALFRED HOKANSON, Westwood, N. J. Filed Dec. 6, 1926. Serial No. 152,973. 1 Claim. (Cl. 20—11.)



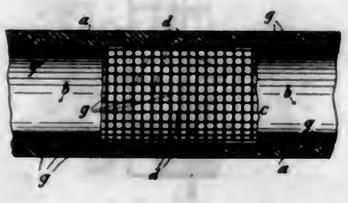
In a metal flashing structure for windows wherein the window frame is provided with an outer casing surrounding the window frame provided with longitudinal grooves on the inner side thereof, said flashing structure comprising the top strip and a pair of flanges provided with bent ribs formed intermediate their longitudinal edges for engagement in the longitudinal grooves of the window frame, the inner edges of said strips being bent at right angles to provide flanges for contact with the adjacent portions of said frame, the end portions of the side strips being in overlapping relation with the end portions of the top strips, the bottom strip, and vertical extensions at the ends of the bottom strip for disposition in overlapping relation with the lower portion of the side strips.

1,636,366. ELECTRIC-CORD-SUPPORTING DEVICE. JOSEPH F. HUBENER, Grantwood, N. J. Filed Mar. 25, 1926. Serial No. 97,172. 1 Claim. (Cl. 248—30.5.)



A cord supporting device of the character described comprising a bracket adapted to be secured to a wall and having a projecting horizontally disposed shelf portion, a bolt vertically supported in the latter, a rod bearing mounted on said bolt and adapted to rotate horizontally thereon, a rod pivoted on said bearing to swing in a vertical plane, said bracket shelf portion extending underneath and in the path of said rod to prevent movement thereof below the said shelf portion, means at the pivoted end of said rod for loosely securing a cord thereto, a ball at the outer end of said rod having means to securely grip a portion of the cord and a spring secured to said bracket and rod above the same tending to move the rod upwardly to keep the cord taut and to move the rod into vertical inactive position, and a washer on said bolt for preventing the rod from striking the wall.

1,636,367. PROCESS OF COATING CONCRETE PIPES AND HOLLOW BODIES WITH BITUMINOUS COMPOSITIONS. ROBERT ILLEMANN, Glasgow, Scotland. Filed Jan. 15, 1926. Serial No. 81,473. 11 Claims. (Cl. 25—38.)



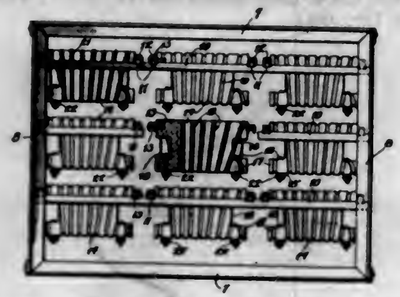
1. A process of making bituminously lined pipes or other hollow bodies of concrete consisting in spinning a mass of concrete to form the body, introducing a quantity of cold and aqueous liquid bituminous composition while the concrete is still wet, continuing the spinning of the body to distribute the bituminous composition over the interior surface of the body and thereafter allowing the concrete and bituminous composition to set simultaneously.

1,636,368. NECKTIE HOLDER. ARON E. JOHNSON, Seattle, Wash. Filed Mar. 28, 1927. Serial No. 179,007. 3 Claims. (Cl. 24—49.)

1. In a necktie holder of the class described, a body portion on which the bow of the tie is adapted to be formed, means at the upper edge of the body for detachable engagement over the upper edge of the collar to support the tie and the holder on the collar, said means comprising a pivoted hook arranged on the central portion of the body.

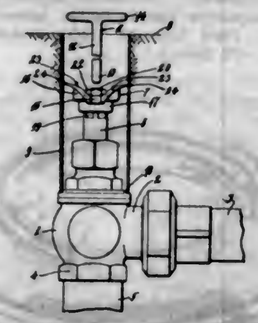


1,636,369. ELECTRIC HEATER. AXEL JOHNSON, Oakland, Calif. Filed July 29, 1925. Serial No. 46,705. 1 Claim. (Cl. 219—34.)



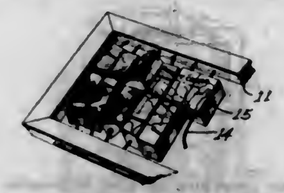
A heating unit comprising an open frame work having a plurality of parallel spaced horizontal bar members disposed in super-imposed pairs at opposite sides of the frame, pairs of parallel supporting bars removably resting in predetermined spaced relation at opposite ends on opposing bar members of the respective pairs, a plurality of elongated heating elements disposed in parallel spaced relation between said pairs of supporting bars and secured at their ends thereto forming with said supporting bars horizontal and vertical rows of batteries of heating units, each horizontal row being independently removable from said frame, the heating element between each adjacent pair of supporting bars being positioned in staggered relation with one another.

1,636,370. SPRINKLER-SYSTEM CONTROL VALVE. FREDERICK H. JOHNSON, Los Angeles, Calif. Filed Nov. 16, 1925. Serial No. 69,360. 1 Claim. (Cl. 137—139.)



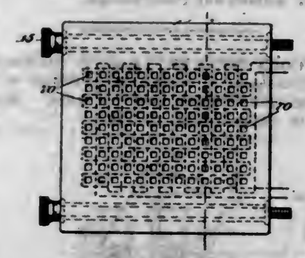
In a device of the class described, the combination of a valve control member adapted to be secured to a valve stem, and comprising a body having a flat disc portion said body being provided with a pair of spaced diametrically opposed slots extending to the said flat disc portion, and a pair of curved wings formed at diametrically opposed points of the said body and extending upwardly in curved relation from the said slots for guiding an actuating member into the said slots.

1,636,371. TOY. CHESTER A. KENNEY, Alameda, Calif. Filed June 7, 1926. Serial No. 114,352. 3 Claims. (Cl. 35—12.)



1. A toy of the character described comprising an open frame, a plurality of rows of blocks supported in the frame and rotatable therein, the sides of the blocks bearing parts of composite designs, and yieldable supporting means supporting the blocks within the frame and yieldably maintaining the sides of the blocks in intimate contact to present an unbroken field.

1,636,372. HEATING UNIT. MILTON M. KOHN, New York, N. Y. Filed Feb. 23, 1921. Serial No. 447,122. 6 Claims. (Cl. 201—64.)



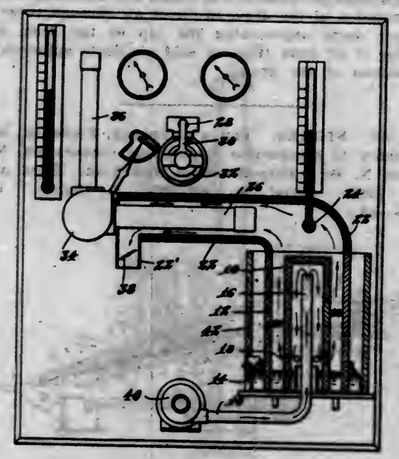
6. A resistance material comprising a conductor embedded in a thin sheet of a mass consisting of 4 to 7 parts of silicon, 85 to 90 parts of carborundum, graphite 1 to 2 parts, and sodium silicate, the sheet being coated with zirconium silicate.

1,636,373. RAILROAD FROG. LAURIE M. LEEDOM, Trenton, N. J. Filed Oct. 4, 1926. Serial No. 139,455. 4 Claims. (Cl. 246—460.)



1. In a railroad frog, a point portion, a wing rail spaced from the point portion, and a stock rail forming a continuation of one side of the heel end of the point portion, said rails having alined flangeway-facing sides on a gauge line, and said point portion having a side facing said flangeway and positioned outwardly of and in spaced relation to said gauge line at the point end of said portion.

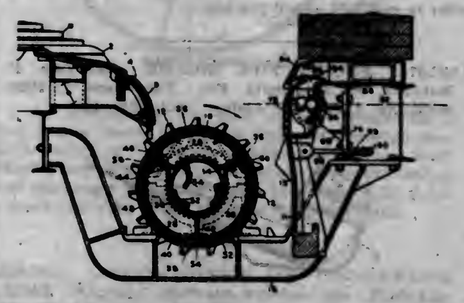
1,636,374. HYGROMETER, HUMIDITY REGULATOR, AND THE LIKE. ALBERT J. LOEPSINGER, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of Delaware. Filed Aug. 22, 1924. Serial No. 733,537. 9 Claims. (Cl. 73—24.)



1. The method of producing a temperature approximating wet bulb temperature, in a thermally responsive element, comprising the causing of a stream of sample air to move over a supply of moisture, whence by evaporation the air picks up moisture and becomes cooled to the temperature corresponding to wet bulb depression, and then directing said air at said temperature over the said element thereby transmitting said temperature thereto; meanwhile maintaining said air free from sensible moisture.

5. Apparatus for producing wet bulb temperature in a thermally responsive element, comprising, said element, a tubular container having an evaporative wall; means for moving air in a current through the container; means for supplying moisture to said wall, whereby air that may be moved in a current along it contacts with the wall and the moisture therein and is thereby cooled to the temperature which corresponds to wet bulb depression; there being means for directing said cooled air at said temperature from the container upon the said element.

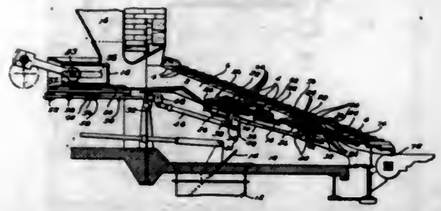
1,636,375. AUTOMATIC STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed July 27, 1922. Serial No. 577,823. 12 Claims. (Cl. 110—44.)



1. A furnace having, in combination, means for supporting and feeding fuel while in the course of combustion and for delivering the refuse of the fuel therefrom,

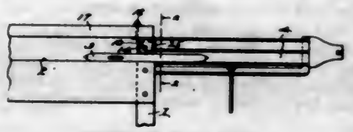
and refuse expelling means comprising a rotatable drum of hollow construction, having a substantially cylindrical refuse supporting surface having clinker crushing teeth thereon, arranged to act on the refuse as it leaves said supporting means and having air ducts leading out through its peripheral wall, and means acting automatically during each rotation of the drum to direct air through those of said air ducts approaching the top of the drum and shutting it off from those of said air ducts approaching the bottom of the drum.

1,636,376. STOKER. EDWIN LUNDGREN, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 30, 1923. Serial No. 660,095. 5 Claims. (Cl. 110—44.)



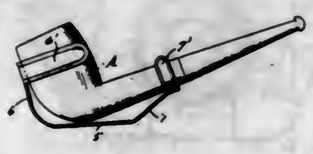
4. An underfeed stoker having, in combination, a retort, tuyère structures arranged at opposite sides of the retort, a plurality of fuel supporting air supplying structures mounted to slide longitudinally of the retort and arranged one behind the other at the bottom of the retort, and independently controllable means for admitting air to each of said structures.

1,636,377. SHUTTLE GUARD FOR LOOMS. JOSEPH MACCHIARELLA, Paterson, N. J. Filed Dec. 1, 1926. Serial No. 151,905. 5 Claims. (Cl. 139—193.)



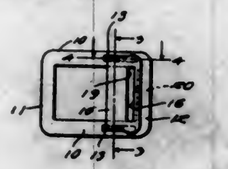
1. In a device of the character described the combination of a yieldable roller adapted to frictionally engage a moving shuttle when in one position; hinged means to permit movement of said roller out of engagement with said shuttle; and spring clamping means to secure said roller in said last named position.

1,636,378. SMOKING-PIPE HOLDER. BENJAMIN F. MALLORY, St. Petersburg, Fla. Filed June 1, 1926. Serial No. 112,948. 3 Claims. (Cl. 131—12.)



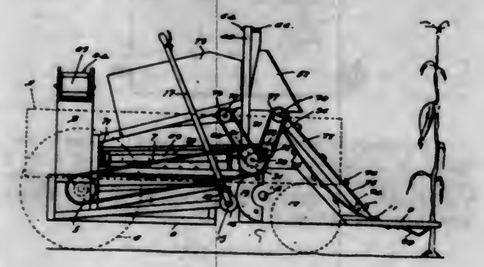
1. As a new article of manufacture, a pipe holder comprising a base, tongues extending upwardly from the base at diametrically opposite points, and means associated with the free ends of the tongues for engagement with the bowl and stem respectively of the pipe for supporting the same above the base.

1,636,379. BELT BUCKLE. LOUIS MAURO, Beaver Falls, Pa. Filed Mar. 15, 1927. Serial No. 175,580. 1 Claim. (Cl. 24—194.)



A belt buckle comprising an open rectangular metallic frame the sides of which are provided adjacent one end of the frame with longitudinally extending slots, a cross bar slidably engaging the upper surface of the side members and having downturned portions projecting through said slots, means at the opposite face of the frame with which said downturned portions are engaged preventing withdrawal of the downturned portions from the slots and a belt receiving slot formed in said cross bar and in one position of the cross bar overlying the adjacent end member of the frame, the means preventing disengagement of the downturned portions from the slots comprising plates slidably engaging the side members of the frame at the opposite face thereof from said cross bar and through which said downturned portions extend, the downturned portions beneath said plates being upset to prevent their withdrawal therethrough.

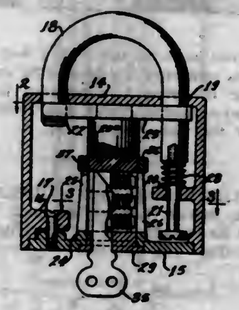
1,636,380. CORN HUSKER. EARL E. MCNEELY, Waldron, Ind., assignor of one-fourth to Everet W. Crosby, Greensburg, Ind. Filed Feb. 26, 1926. Serial No. 90,826. 11 Claims. (Cl. 56—66.)



1. A harvester of the class described including, in combination, a frame, a pair of parallel spaced forwardly extending guide and gathering members pivoted to the frame, means for swinging said members, a plurality of bars having their upper ends pivotally mounted on the frame and their lower ends slidably resting on the members, and endless drag means operable in orbits about said bars.

1,636,381. LOCK. JESSE J. MEOIR and FREDERICK V. PEPPER, Los Angeles, Calif. Filed Jan. 28, 1926. Serial No. 84,278. 3 Claims. (Cl. 70—108.)

1. A shackle lock having imperforate side and end walls and a pierced top wall and a removable bottom wall, having a slotted annular projecting lug, means within the walls to secure the bottom wall detachably to the other walls, said securing means being accessible only through the top wall; a shackle mounted in said case for rotary and longitudinal movement, said shackle being composed of a longer and a shorter leg, said shorter leg having notches in the sides thereof; a U-shaped spring within and adjacent to the top wall, the free ends of which engage in the notches of the shorter leg of the shackle when the lock is locked; a tumbler projecting within said walls, said tumbler having a circular outline except the inner end which terminates in a parallelogram which lies between the members of the spring, said tumbler having a chamber therein provided with oppositely disposed openings through the end walls of the chamber, and a key opening in the bottom thereof; and spring operated fingers in said tumbler, said fingers being adapted to have the ends held projecting into the groove in the lug of the bottom wall when the lock is locked, said fingers having lugs adapted to be engaged by a key to retract the ends from the groove in the lug of the bottom wall.



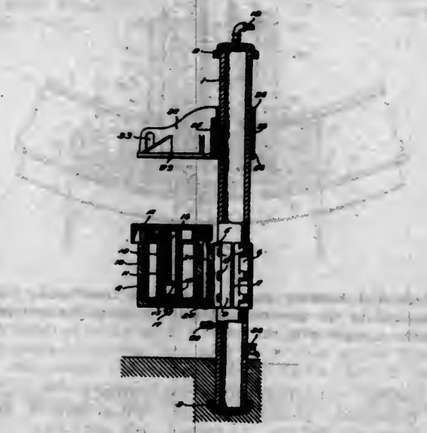
1,636,382. FIREPUMP. FRITZ NEUMANN, Nuremberg, Germany, assignor to Armaturen- & Maschinenfabrik A.-G. vorm. J. A. Hilpert, Nuremberg, Germany. Filed June 27, 1924, Serial No. 722,751, and in Germany June 30, 1923. 1 Claim. (Cl. 103—108.)



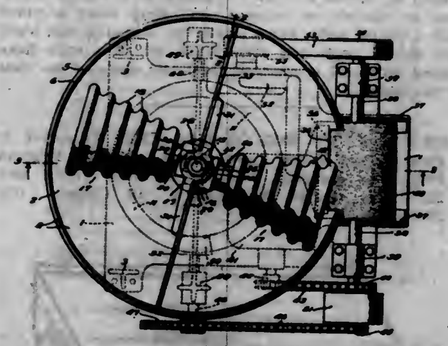
A centrifugal pump used for fire extinguishing purposes comprising in combination a pump casing constructed as a zigzag pipe cooler, two end plates of said casing having each an annular chamber, radial ribs in said annular chambers subdividing said chambers into separated ring segments said pump casing having transverse channels connecting the several segments of the two opposite annular chambers and serving as passages for the cooling water to re-cool the same, and tie bolts in said channels of the pump casing connecting said end plates.

1,636,383. MOLDING MACHINE. WILLIAM H. NICHOLLS, Brooklyn, N. Y. Filed June 20, 1925. Serial No. 38,501. 8 Claims. (Cl. 22—45.)

1. A molding machine comprising a vertical, cylindrical tubular standard forming an air reservoir, a mold jolting and squeezing mechanism vertically and rotatively adjustable on said standard, an air control valve carried by said jolting and squeezing mechanism and controlling the supply of air to said mechanism, an upper pressure head rotatively mounted on the said standard above the jolting and squeezing mechanism, vertically adjustable means for sustaining said upper pressure head on said standard, said sustaining means being rotatively adjustable on said standard and carrying stop lugs adapted to be engaged by stop flanges on the pressure head to limit the rotative movement of the upper pressure head in both directions about the tubular standard, a main air supply pipe connected to the tubular standard, and an air pipe connected to the tubular standard and to the air control valve.



1,636,384. SAND MULLING AND AERATING MACHINE. WILLIAM H. NICHOLLS, Brooklyn, N. Y. Filed Nov. 9, 1925. Serial No. 67,920. 8 Claims. (Cl. 83—45.)



1. An apparatus of the class set forth comprising a sand mulling device adapted to mull and discharge sand continuously, in combination with power-driven sand-diffusing means disposed to directly receive the mulled sand discharged from said device and adapted to divide it finely and cast it out into the air continuously.

1,636,385. LOCKING DEVICE FOR DEMOUNTABLE RIMS. WALTER C. NIEWALD, Freedom, Mo. Filed Aug. 26, 1926. Serial No. 131,693. 3 Claims. (Cl. 301—28.)

3. In a locking device for demountable rims, in combination, a wheel felly, a rim having a boss provided with a socket, a housing upon the felly, a locking member ad-

justably slidable in the housing for interlocking engagement with the boss, an adjustable bolt having an annular groove, a cap plate, plates interposed between the cap

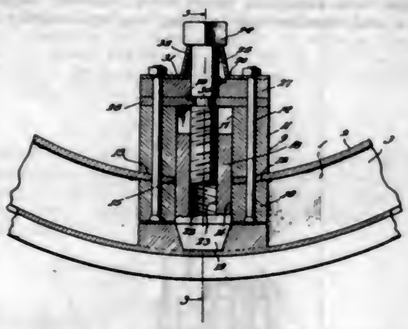


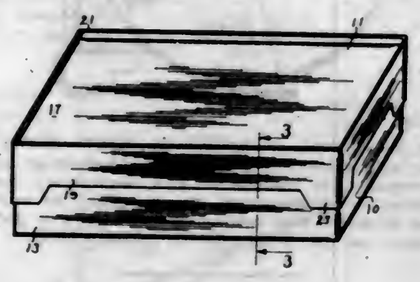
plate and housing and having their confronting edges engaged in the groove, and bolts to hold the associated parts engaged with the felly.

1,636,386. CUSHION REBOUND CHECK. LOUIE H. OBERRAICH, Indianapolis, Ind. Filed Mar. 5, 1924. Serial No. 697,126. 16 Claims. (Cl. 267—10.)



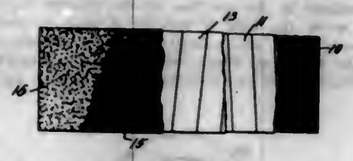
1. A cushion rebound check, comprising a strap arranged to extend between two parts of a vehicle which tend to separate on rebound, said strap being provided with a lateral bight, and a coil spring seated in said bight and having projecting arms which at their ends have sliding frictional engagement with the strap at the ends of the bight.

1,636,387. CANDY BOX OR THE LIKE. CLARENCE A. PEIRCE, New Haven, Conn., assignor to New England Paper Box Company, New Haven, Conn. Filed May 22, 1924. Serial No. 715,220. 16 Claims. (Cl. 206—44.)



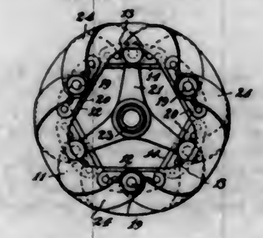
11. A cover for a box or a like container, comprising a lid having a surrounding flange to embrace the container when the lid is in place, and a band embracing said flange, said band being greater in width than the flange and projecting above the lid at its upper edge.

1,636,388. PROTECTED METAL ROOFING. THOMAS ROBINSON, New York, N. Y. Filed May 6, 1926. Serial No. 107,041. 11 Claims. (Cl. 154—51.)



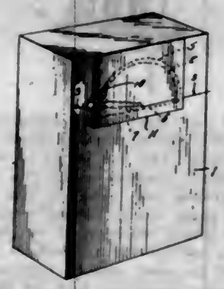
11. A prepared material for roofing and other similar purposes, which comprises a non-metallic core, a layer of metal encasing the core, a waterproof jacket encasing the metallic layer, and granular wear material covering one surface of the waterproof jacket.

1,636,389. FLEXIBLE ROTARY COUPLING. FREDERICK RICHARD SIMMS, London, England. Filed Feb. 5, 1926, Serial No. 86,351, and in Great Britain Nov. 16, 1925. 7 Claims. (Cl. 64—96.)



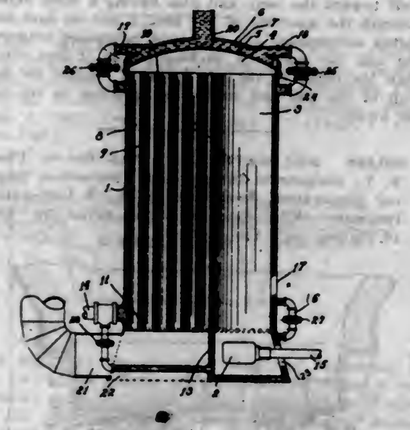
1. A flexible shaft-coupling for two substantially collinear shafts comprising a resilient device of U-shaped cross section connected on each side to one of said shafts and additional torque-transmitting means secured to said shafts and resting against the surface of said resilient device, said torque-transmitting means being bowed outwardly and adapted so as not to reduce unfavourably the flexibility of the coupling.

1,636,390. SANITARY SEALED CARTON. FRED A. SOLES, Platteville, Wis. Filed Jan. 26, 1926, Serial No. 83,921. Renewed June 4, 1927. 3 Claims. (Cl. 229—7.)



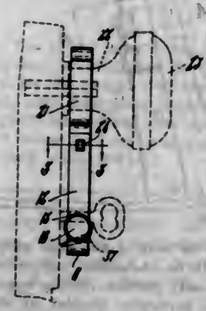
1. In a device of the class described, the combination with a carton having a semi-circular slit therein, a segment of sufficient area to completely close the aperture left by the flap formed by the slit, an arm affixed to the segment and protruding through the slit portion of the carton, means for pivotally attaching the segment and arm to the carton, and an easily severable seal initially covering the slit and forming an air-tight seal for the package which may readily be broken by swinging the arm through the slit.

1,636,391. BOILER. LOUIS D. SUMMERS, Springfield, Ill., assignor to Leader Iron Works, Decatur, Ill. Filed Nov. 12, 1925. Serial No. 68,516. 4 Claims. (Cl. 122—182.)



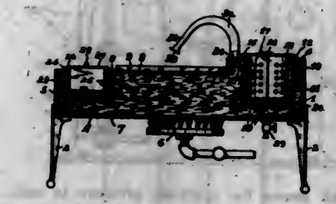
1. A boiler comprising a vertical cylindrical shell, a water inlet disposed at the lower end thereof, upper and lower tube sheets closing the ends of said shell, a fire box surrounded by a water leg located beneath a portion of the lower tube sheet, said water leg connected with the water inlet to the boiler, a combustion chamber disposed eccentrically within said shell and extending from the fire box to the upper tube sheet, a relatively thin water chamber connected to the upper portion of said shell and disposed directly above the upper tube sheet so as to form a passageway for the products of combustion between said chamber and said tube sheet, a hot water outlet from said chamber, said chamber being so situated relative to the combustion chamber as to be exposed to the products of combustion at their hottest point, a plurality of fire tubes, having a cross-sectional area in excess of the cross-sectional area of the combustion chamber extending from the upper tube sheet to the lower tube sheet and connecting said passageway with a smoke box adjacent said fire box, and a horizontal outlet for the waste gases from said smoke box.

1,636,392. KEY FASTENER. WILLIAM A. STUBBS, Sherbrooke, Quebec, Canada. Filed May 6, 1926. Serial No. 107,249. 6 Claims. (Cl. 70—65.)



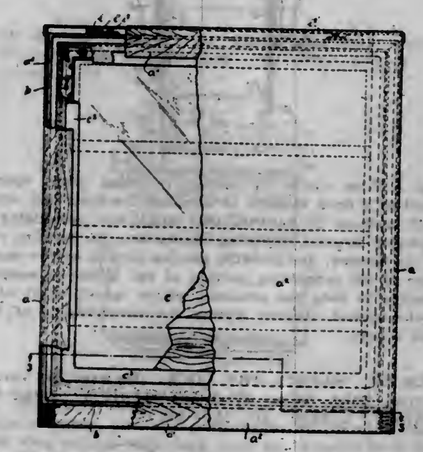
1. A key fastener comprising a U-shaped member having resilient arms formed with transverse complementary grooves adjacent to the bend of the U to receive and grip therebetween the stem of a door-key, adjustable extension members on said arms formed with grooves to receive the neck of a door knob therebetween, and clamping means mounted on said arms adjacent the grooves therein and actuable to press said grooved arms into gripping engagement with the stem of a door-key therebetween.

1,636,393. COOKING APPARATUS. ARIS THEOPHILEDES, Jeannette, Pa. Filed Feb. 25, 1927. Serial No. 171,028. 3 Claims. (Cl. 126—33.)



1. In combination, a cooking apparatus comprising a boiler containing water, a heating element for said boiler, said boiler provided with a flat cooking surface, cooking receptacles extending into said boiler and spaced from the side walls and bottom of the latter, and a distributor communicating with said boiler for diffusing the steam emanating from the latter over said cooking surface.

1,636,394. DISAPPEARING WINDOW FOR VEHICLES. ARTHUR A. TOWERS, Cleveland, Ohio. Filed June 23, 1925. Serial No. 39,007. 8 Claims. (Cl. 20—52.1.)

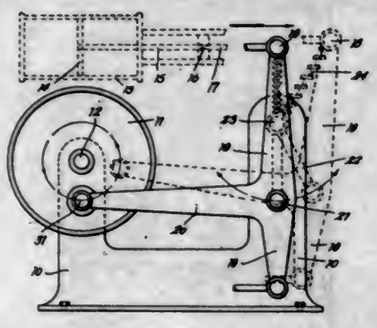


1. In a disappearing window, the combination with a window frame, of a slide substantially the height of the frame and adapted to accommodate the same, compression spring means associated with the slide adapted to be engaged by and effect the partial protrusion of the frame, and locking means for maintaining the frame within the slide against the tension of the compression spring, substantially as set forth.

1,636,395. DEAD-CENTER DEVICE. JOHN H. TOWERS, Balsam Lake, Wis. Filed May 15, 1926. Serial No. 109,401. 4 Claims. (Cl. 74—20.)

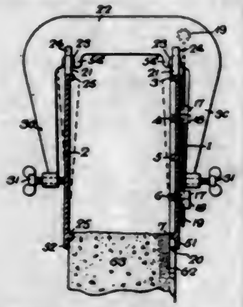
1. A device for overcoming dead centers comprising in combination with a fixed pivot, a rocker arm oscillating about said fixed pivot, a rigid right angle crank pivotally

connected to the oscillating end of the rocker arm, a rotary element connected to one end of said rigid crank, and a source of power operating another arm at an angle



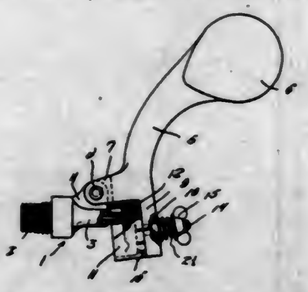
thereto, and means for applying pressure to said crank, the direction of pressure determining the direction of movement of the rotary element.

1,636,396. BUILDING FORM. WILLIAM E. URSCHEL, Valparaiso, Ind. Filed Mar. 2, 1922. Serial No. 540,428. 8 Claims. (Cl. 25—131.)



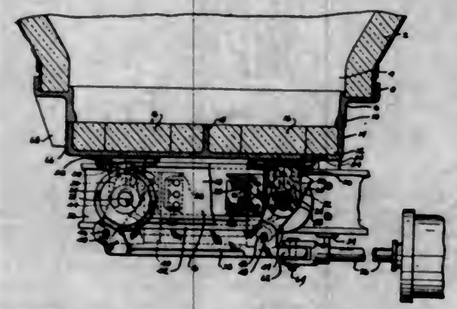
1. A form clamp for holding retaining plates spaced apart at a fixed distance to establish the inner and outer wall surfaces in perpendicular alignment comprising a U-shaped member, adjusting screws near the extreme end of the member, and pivoting notches formed on the under edge of the connecting portion of the U-shaped member adapted to hold the retaining plates spaced apart at a predetermined distance during the manipulation of the said screws.

1,636,397. SAFETY TRY COCK. RICHARD D. VALENTINE, Tulsa, Okla. Filed Aug. 20, 1925. Serial No. 51,412. 1 Claim. (Cl. 251—126.)



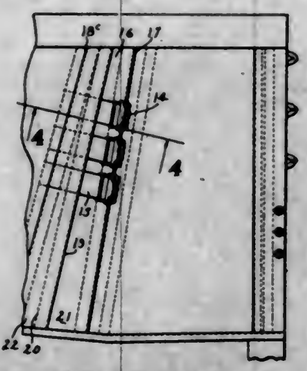
In a cock and in combination, a body having a passage and also having a nipple, a gravitational swingable member pivotally connected at an intermediate point in its length to the said body and having a weighted arm and also having an arm in opposed relation to the nipple, the latter arm being apertured, a cup arranged at the side of said arm adjacent to the nipple and having a bottom wall and a side wall extending from said bottom wall toward the body and also having a stem extending through the aperture of the arm, a nut on said stem, a spring surrounding the stem and interposed between the nut and the arm, and packing means of less thickness than the depth of the cup arranged against the bottom wall of the cup and in opposed relation to the end of the nipple.

1,636,398. ASH GATE. JOHN VAN BRUNT, Flushing, N. Y., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 5, 1924. Serial No. 736,016. 10 Claims. (Cl. 110—165.)



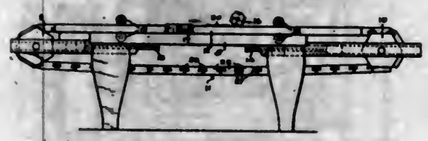
8. The combination of an ash pit having a discharge opening and means for closing said opening comprising a gate, means for moving the gate into and out of position beneath said opening, a stop for limiting the inward movement of the gate, and means acting automatically upon the gate reaching the limit of its inward movement to raise said gate toward said opening.

1,636,399. CORSET. IRVING R. VERSOY, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn. Filed Sept. 3, 1925. Serial No. 54,383. 4 Claims. (Cl. 2—27.)



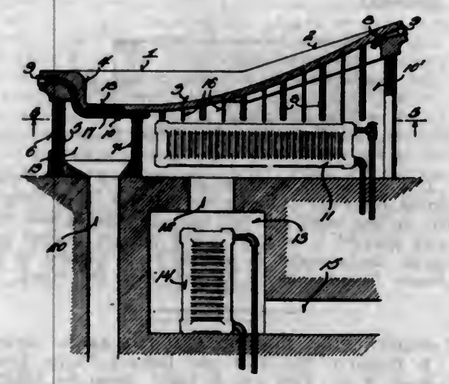
1. A corset or belt of the type adapted to be used in connection with an abdominal supporting pad or the like, comprising a body portion having spaced stays extending approximately vertically thereof at the respective sides of the body, the body portion of the corset between two of such stays at each side of the corset being divided into vertically extending sections, and the meeting edges of sad sections at each side portion of the corset being overlapped and stitched tgether to form a seam, straps passing through said seams between said sections and secured to the garment by the seams, and buckles mounted on said straps closely adjacent the outer ends thereof, the inner ends of each of said straps being continued rearwardly along the inner face of the corset body to one of said stays and being attached to the corset body adjacent said stay.

1,636,400. MOLDER OR STICKER DEVICE. AUGUST E. L. VON BORCKLIN and LEONARD M. LARSON, Tacoma, Wash., assignors to Washington Manufacturing Co., Tacoma, Wash., a Corporation of Washington. Filed June 2, 1925. Serial No. 34,348. 5 Claims. (Cl. 144—145.)



1. A device of the character described embodying a table; an endless pattern chain operatively mounted on said table; material feeding means independent of said chain and material cutting means, both of said means being operatively disposed with respect to said chain.
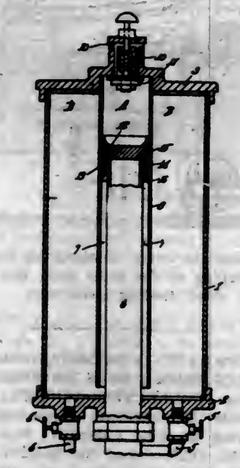
1,636,401. APPARATUS FOR GIVING MUD BATHS. JOHN NICHOLAS WEBER, Waukesha, Wis. Filed July 19, 1926. Serial No. 123,435. 5 Claims. (Cl. 4—163.)



1. An apparatus for giving mud baths, comprising a tub formed of rock-like material and having a rounded elongated depression for the reception of the mud and the body of the patient, said depression having a large discharge opening, a plate for closing such opening, a compartment positioned below said opening, and a discharge pipe leading from such compartment.

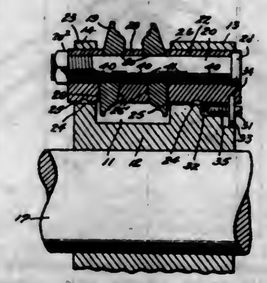
1,636,402. PRESSURE-OPERATED VALVE APPARATUS. RUDOLPH WELCKER, Springfield, Mass., assignor of one-fourth to Franklin G. Neal, Springfield, Mass. Filed Dec. 29, 1924. Serial No. 758,674. 22 Claims. (Cl. 4—30.)

1. A pressure operated valve apparatus comprising a tank, an outlet pipe extending through the bottom of the tank and with its upper end spaced a short distance from the top of the tank, a second pipe extending from the top of the tank and with its lower end spaced a short distance from the bottom of the tank, said second pipe being arranged concentrically with the outlet pipe and in spaced apart relation to form an annular passage from the bottom part of the tank up to the top opening in the outlet pipe, a piston valve mounted in the second pipe and adapted to open and close said opening



in the outlet pipe, and means to create a pressure in the top of said tank within and without said second pipe and means to release the pressure within said pipe above said piston valve to thereby open the valve and establish a siphonic action from the tank through said outlet pipe.

1,636,403. CUTTER HEAD. EDWARD E. BEATY, Seattle, Wash. Filed Oct. 7, 1926. Serial No. 140,038. 8 Claims. (Cl. 144—234.)

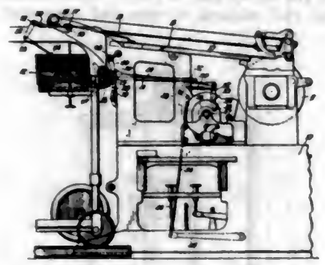


1. In a cutter head having two spaced apart peripheral flange elements provided with cylindrical bores having their axes aligned with each other and parallel with the axis of the head, an apertured cutter located between said flange elements, a bolt extending through the aperture of said cutter, bushings provided for said bolt within the respective flange bores, and means cooperating with the bolt for securing the bushing in operative relation with respect to said cutter.

1,636,404. SHEET-CONTROL MECHANISM. JOSEPH R. BLAINE, Oak Park, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,757. 3 Claims. (Cl. 271—56.)

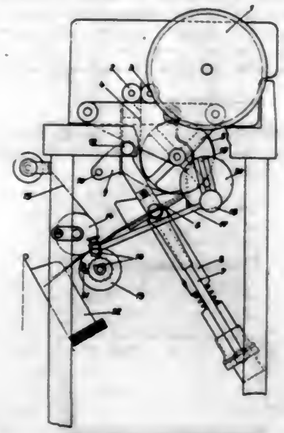
1. In a printing press, the combination of a press tripping member, a sheet clamping member for preventing feeding of a sheet under abnormal sheet feeding conditions, a latch operatively connected to said press tripping

member and normally holding said sheet clamping member in an inoperative position, and plural sheet detector means operative upon said latch for permitting said



clamping member to exert a clamping action and for causing the tripping of the press upon the occurrence of such abnormal sheet feeding conditions.

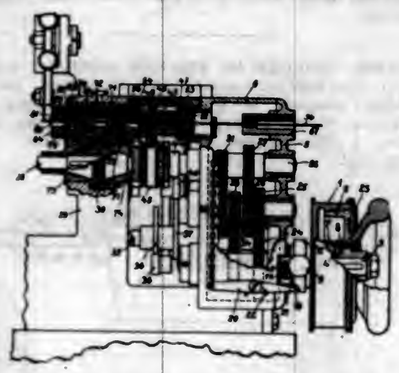
1,636,405. APPARATUS FOR MECHANICALLY COPYING ENTRIES FROM CARDS OR SHEETS OR THE LIKE ON A COLLECTIVE SHEET. MARTIN F. BRANDT, Berlin-Charlottenburg, Germany, assignor to The Tabulating Machine Company, New York, N. Y. Filed June 16, 1926, Serial No. 116,287, and in Germany May 19, 1924. 5 Claims. (Cl. 100—67.)



1. A copying device comprising in combination, a pair of intermittently driven copying rolls, means for intermittently revolving said copying rolls through fractions of a revolution, and a mechanism for transporting and guiding cards or the like to be copied to the said copying rolls, whilst the latter are at rest.

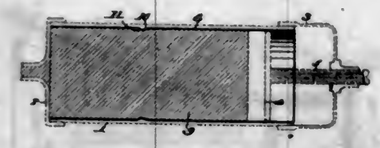
1,636,406. STOCK FEED. LORENZ KONRAD BRAREN, Munich, Germany, assignor to the Firm Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. Original application filed Nov. 28, 1922, Serial No. 603,871, and in Germany Dec. 18, 1921. Divided and this application filed June 4, 1924. Serial No. 717,714. 9 Claims. (Cl. 29—62.)

1. In turning and screw cutting machines, a stock feed comprising a stationary automatic gripping device operated by the movement of the stock in one direction to grip and hold the same, and upon movement in the opposite direction to release the same, a movable automatic feeding mechanism including jaws frictionally engaging the stock and operated thereby during movement in one direction to grip and advance the stock, and adapted upon movement in the opposite direction to slide along the same and also including a reciprocally mounted non-rotatable tubular part encircling the jaws and serving to force the latter into frictional engagement with the



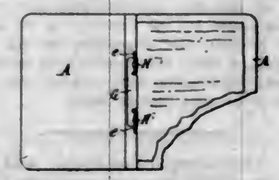
stock, and means for reciprocating said tubular part to feed the stock through said gripping device during movement in one direction, and arranged to move it idly along the stock during movement in the other direction while the stock is held by said gripping devices.

1,636,407. CARTRIDGE FOR GREASE GUNS. JOHN FREDERICK BROMMER, Richmond Hill, N. Y. Filed July 10, 1924. Serial No. 725,219. 6 Claims. (Cl. 206—56.)



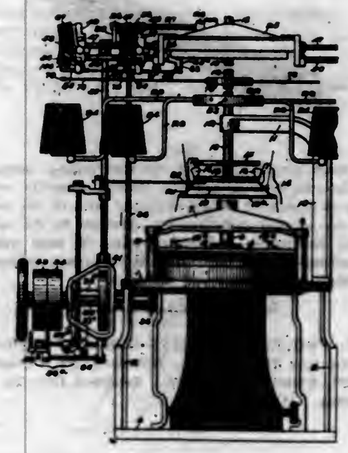
1. A grease gun cartridge comprising a tubular shell having removable end caps and adapted to be inserted into the gun barrel with both end caps removed, said shell being adapted to slidably receive the gun plunger and having means located in position to be engaged in the plunger for withdrawing the shell from the barrel.

1,636,408. FILE, BINDER, AND THE LIKE. GEORGE E. DOUGHTY, New York, and HERMAN FORTH, Ridgewood, N. Y. Filed Jan. 5, 1927. Serial No. 159,073. 5 Claims. (Cl. 129—25.)



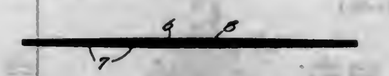
1. A file or binder for sheets of paper and the like comprising a cover having opposite leaves and a flexible back connected to said cover leaves by fillets, a flexible tongue attached to one fillet and a guard plate attached to the other fillet and formed with an opening slot adapted to laterally receive said flexible tongue, said guard plate having a metallic lip in spaced relation to the opening slot, said lip being adapted to receive and hold the tongue when it is bent down over said guard plate.

1,636,409. YARN-CONTROL MECHANISM. WILLIAM P. DRUMHELLER, Springfield, Mass., assignor to The William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1924. Serial No. 739,326. 11 Claims. (Cl. 66—132.)



1. In a knitting mechanism including one or more yarn packages corresponding in number to the number of yarns to be supplied, knitting instrumentalities to which the yarn or yarns are to be fed, and a stop motion for stopping the operation of the mechanism, the combination of sets of conical, longitudinally toothed or fluted feed wheels or rolls, one adjacent each yarn package, a movable finger in the path of each yarn intermediate its yarn package and the corresponding set of feed wheels or rolls, said finger operatively connected with said stop motion and normally maintained in inoperative position during proper feeding of the yarn but movable to initiate the action of said stop motion in response to failure of the yarn or breakage thereof at a point between the package and said feed wheels or rolls, and a normally stationary finger cooperating with said movable finger to guide the yarn to said feed wheels or rolls, the yarn guiding portions of said fingers being adjustable to vary the point of feed of the yarn with respect to said feed wheels or rolls thereby to vary the rate of yarn feed.

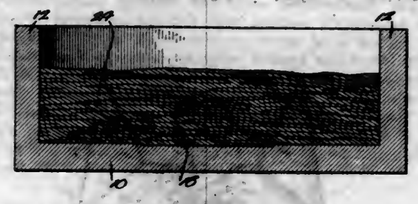
1,636,410. TELEPHONE DIAPHRAGM. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Fibroc Insulation Company, Valparaiso, Ind., a Corporation of Indiana. Filed Apr. 24, 1924. Serial No. 708,668. 2 Claims. (Cl. 179—181.)



1. In a telephone, a composite diaphragm composed of a thin sheet of metal and a layer of synthetic resin condensate rigidly secured thereto for reinforcing it, and electromagnetic means operable on said sheet for vibrating it.

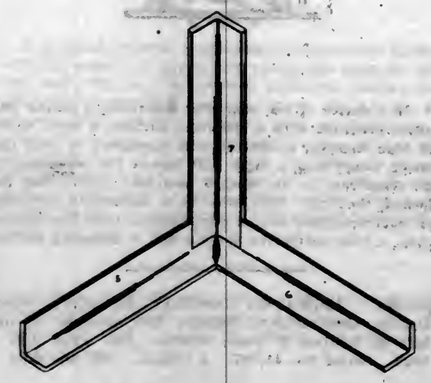
1,636,411. COMPOSITE GEAR AND METHOD OF MAKING SAME. LOUIS T. FREDERICK, Valparaiso, Ind., assignor to Fibroc Insulation Company, Valparaiso, Ind., a Corporation of Indiana. Filed Aug. 26, 1925. Serial No. 52,710. 9 Claims. (Cl. 154—2.)

1. The process of making gear blanks consisting in taking small particles of substantially dry, fibrous material impregnated with an uncured binder, pressing it into a self-sustaining element of the full diameter of the gear blank, the pressure and temperature being insufficient



to cure the binder, releasing the pressure to admit of inspection, and subsequently submitting the article to sufficient heat and pressure to cure the binder.

1,636,412. METALLIC CORNER. GUSTAVE A. GALLOWITZ, New York, N. Y., assignor to Kny-Scheerer Corporation of America, New York, N. Y., a Corporation of New York. Original application filed Oct. 4, 1924, Serial No. 741,747. Divided and this application filed Dec. 4, 1925. Serial No. 73,113. 3 Claims. (Cl. 189—36.)



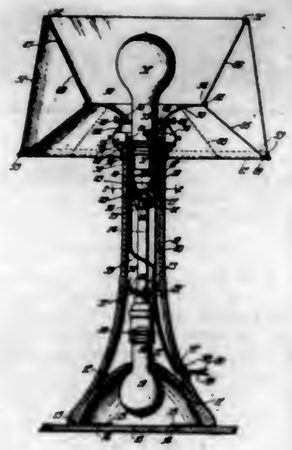
1. A new product comprising a metallic welded corner being absolutely smooth inside and outside and composed of three angle irons positively interlocked from the apex of the corner, the angle iron at the apex of the corner being uncut and the strains radiating from said apex.

1,636,413. ELECTRICAL CONNECTER. WALTER P. GISSKE, Chicago, Ill. Filed June 2, 1922. Serial No. 565,439. 12 Claims. (Cl. 173—259.)



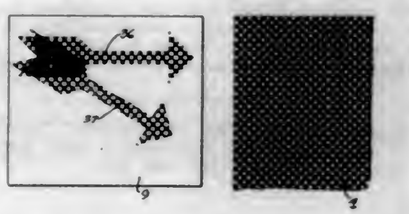
1. An electrical connecter comprising a resilient clip having a free end portion and a headed member mounted thereon, the free end portion of said clip having an opening therein aligning with said headed member, said member extending through said opening with the head thereon normally engaging with the edge of said clip at said opening to detachably hold the free end portion of said clip in engagement with said head.

1,636,414. LIGHTING FIXTURE. ROY M. GRAVES and EUGENE R. D'OLIVE, Chicago, Ill., assignors to Associated Engineers Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 24, 1925. Serial No. 25,576. 4 Claims. (Cl. 240—81.)



1. In a device of the character described, a hollow base member provided with a reflecting surface, a lamp within said base member, a lighting unit supported by said base member comprising a lamp and means for reflecting the light therefrom in an upward and lateral direction and diffusing the light therefrom in a downward direction, said last mentioned means comprising a bowl-like member having a color-corrective portion and a diffusing portion.

1,636,415. ANIMATED DISPLAY DEVICE. RALPH DANIEL GREENAWALT, Chicago, Ill., assignor of one-half to William T. Jane, Chicago, Ill. Filed July 6, 1925. Serial No. 41,727. 4 Claims. (Cl. 40—65.)



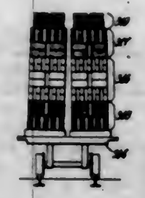
1. An animated picture display device comprising a frame, a display plate mounted therein having staggered rows of opaque and transparent squares, a carrier plate mounted in said frame, a composite checkered photograph supported on said carrier plate behind said display plate, ball bearing supports for said carrier plate, spring controlled means for resiliently holding said carrier plate in position within said frame, and driving means connected with said carrier plate for moving the same relative to said display plate to give the object on said composite photograph an animated appearance when viewed through the transparent squares of said display plate.

1,636,416. TRACK FOR TOY ELECTRIC TRAINS. L. GESSFORD HANDY, New York, N. Y. Filed Nov. 19, 1921. Serial No. 516,331. 5 Claims. (Cl. 246—81.)



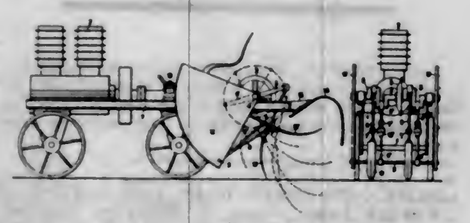
2. A track section for toy electric trains comprising three rails and connecting ties, means whereby each of said rails is insulated from the other rails of the section, at least one of said rails having openings in its opposite ends, and insulating connecting pins in said openings and projecting beyond the rail ends to engage corresponding openings in adjacent rail sections.

1,636,417. PROCESS OF FIRING CERAMIC PRODUCTS. WILLIAM LEE HANLEY, Jr., Bradford, Pa. Filed Apr. 13, 1926. Serial No. 101,678. Renewed Dec. 22, 1926. 14 Claims. (Cl. 25—157.)



1. The herein described process of firing brick, which consists in supporting a plurality of layers of brick, placing in the lower layers bricks requiring relatively lower temperature to fire them and bring them into commercial condition, and placing in the superposed layers brick requiring a higher temperature to fire them and bring them into commercial condition, and subjecting said layers, in an enclosing chamber, to heat sufficient to properly fire the brick of the lower layers, whereby the bricks of the upper layers will be subjected to a higher temperature and economy of fuel is attained.

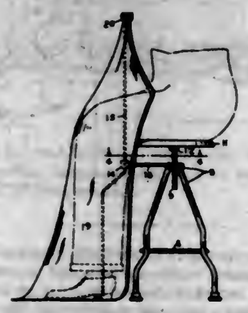
1,636,418. MOTOR SPADE. WENZEL HEJMA, Brno, Czechoslovakia. Filed July 19, 1923, Serial No. 652,502, and in Czechoslovakia July 22, 1922. 3 Claims. (Cl. 97—36.)



1. In a mechanical digger of the type described, a frame, a crank journaled in said frame, a spade pivoted to the crank pin, a segment oscillable about the crank

shaft, a link pivoted to said spade and to said segment, teeth on the arcuate periphery of said segment, gear means on said frame and in engagement with said teeth, and means for rotating said gear means.

1,636,419. FLUOROSCOPIC PROTECTOR. EDWARD HOLLANDER, New York, N. Y., assignor to The Kny-Scheerer Corporation of America, New York, N. Y., a Corporation of New York. Filed Mar. 16, 1926. Serial No. 95,022. 8 Claims. (Cl. 250—84.)



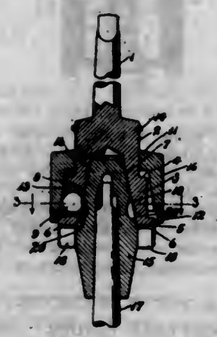
1. In a fluoroscopic protector the combination of supporting means for the operator to sit on and means supported by said supporting means for preventing the X rays from reaching the lower half of the body of said operator.

1,636,420. PROCESS FOR TREATING EGGS. MORRIS KASSER, San Francisco, Calif. Filed Mar. 11, 1925. Serial No. 14,784. 6 Claims. (Cl. 99—8.)

1. The process of treating eggs having a shiny and oily shell, which comprises treating the shell with a liquid compound that is both an oil solvent and volatile, for removing the shine, and is incapable of penetrating the egg shell and tissue to give taste and odor to the egg content.

6. A compound including a volatile solvent that will spread a sealing substance freely and leave no odor or taste in the egg.

1,636,421. CHUCK. WARREN E. KNOTT, Grand Rapids, Mich. Filed Aug. 10, 1925. Serial No. 49,170. 1 Claim. (Cl. 279—75.)



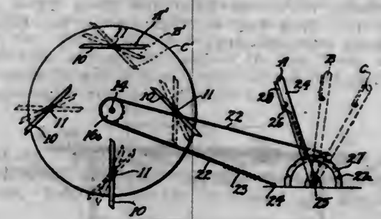
A chuck comprising, a vertical inner member having an upwardly and inwardly extending axial tapered opening and a plurality of radial openings through the side of said member communicating with the axial opening, a ball located in each radial opening, a collet having a tapered upper portion to fit the tapered opening of said inner chuck member, said collet at the lower end of said tapered upper portion having a downwardly and inwardly extending annular face against which said balls may bear, the points of contact of the balls against said face being in a horizontal plane located above the centers of said balls, a second chuck member comprising, a vertically movable collar around the inner member and having an upwardly and inwardly tapered internal surface to bear against the outer portions of said balls, and co-acting driving means on said collet and inner chuck member.

1,636,422. BOTTLE CLOSURE. WALTER G. LAIDLAW, Syracuse, N. Y., assignor to Kleen Kap Corporation, Syracuse, N. Y., a Corporation of New York. Filed Oct. 15, 1926. Serial No. 141,834. 2 Claims. Cl. 215—51.)



1. A bottle closure comprising a fibrous disk having an integral radial tab projecting outwardly from its periphery, said tab being of reduced thickness relative to the thickness of the disk and the upper face of the latter adjacent the tab being formed with a depression, the upper face of the depression forming a continuation of the upper face of the tab when the latter is extended, the tab being folded along a line substantially in register with the adjacent peripheral part of the disk and engaging in the depression so as to extend flush with the upper face of the disk.

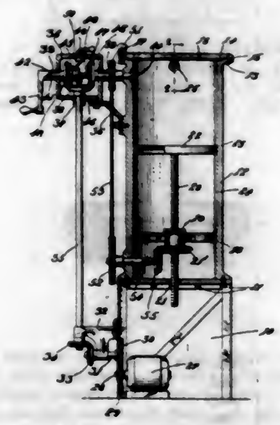
1,636,423. PLANETARY-GEAR-CONTROLLED PROPELLER. ALBERT LANGENBACH, Chicago, Ill. Filed Feb. 19, 1926. Serial No. 89,328. 2 Claims. (Cl. 170—150.)



1. In combination with a movable carrier, of a propeller mounted thereon to rotate on a horizontal axis, said propeller comprising a central horizontal shaft, blade supports fixed to said shaft adjacent its ends, a plurality of blades having their ends rotatably mounted in said blade supports with the blades extending between the blade supports, means for driving said horizontal shaft, means for positively rotating said blades between the blade supports embodying a sun gear and planetary gears, and regulating means for manually adjusting the angular position of said sun gear to alter the effective

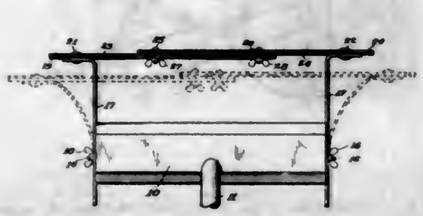
position of the blades and the angle of propulsion of the carrier, said regulating means embodying a lever, a flexible connection with the sun gear and a resilient means for returning the sun gear to its normal position.

1,636,424. SAUSAGE-STUFFING MACHINE. THOMAS LUTOSTANSKI, Wayland, Mich. Filed Mar. 11, 1926. Serial No. 93,855. 1 Claim. (Cl. 17—38.)



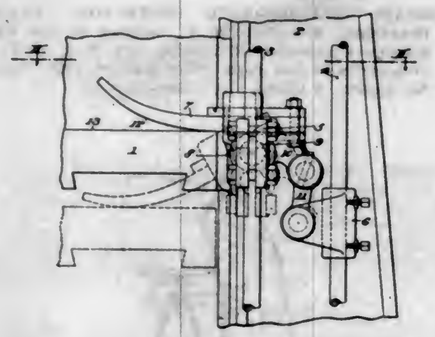
A sausage stuffing machine comprising a base, a unitary cylinder mounted on said base, a piston in said cylinder, means to prevent rotation of said piston, a gear box on said cylinder, facing bevel gears in said box, a clutch intermediate said gears, a motor in said base, connections between said motor and gear box and connections between said gear box and said piston.

1,636,425. COMBINED BRUSH AND SQUEEGEE. STANLEY G. MAYERS, Chicago, Ill., assignor of seven-twentieths to Charlie Karel and Helen Karel, Chicago, Ill. Filed July 30, 1926. Serial No. 125,866. 6 Claims. (Cl. 15—117.)



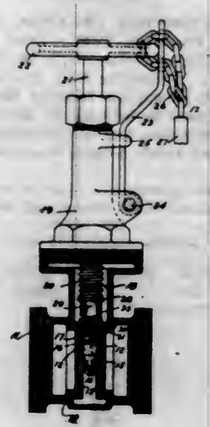
1. A device of the type described comprising an extensible frame formed of a plurality of plates each carrying a cleaning member, means for locking the plates in adjusted extended position, and a resilient supporting bracket member at each end of said frame to accommodate adjustments in the dimensions of the plates.

1,636,426. DROP HAMMER. WHITNEY MERRILL, Brooklyn, N. Y., assignor to Merrill Brothers, Maspeth, Long Island, N. Y., a Corporation of New York. Filed Oct. 16, 1926. Serial No. 142,010. 3 Claims. (Cl. 78—29.)



1. In a drop hammer, a vertically reciprocating ram having a horizontal upper surface and a roll releasing lever having a curved under surface for rocking engagement with said horizontal upper surface of the ram with a constant, vertical direction of force, to eliminate side thrust.

1,636,427. GATE VALVE. ANDREW M. MORRISON, Dubuque, Iowa. Filed Dec. 10, 1923. Serial No. 679,582. 3 Claims. (Cl. 251—69.)

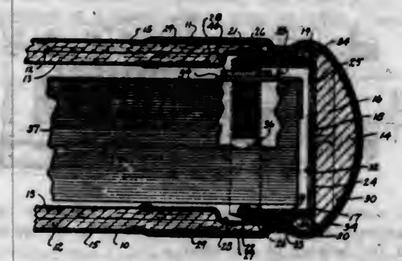


1. In a gate valve, a body, a valve stem, a wedge having a lost motion connection to said valve stem, a spring surrounding said stem adapted to normally move the wedge to the limit of its lost motion connection, and valve discs, said wedge and the inner faces of said valve disks having directly engaging means supporting the disks on the wedge and providing for limited relative movement of the wedge with respect to the disks.

1,636,428. LOOSE-LEAF BINDER. CLAUDE ST. CLAIR MULLINS, Flushing, N. Y. Filed June 17, 1926. Serial No. 116,506. 8 Claims. (Cl. 129—4.)

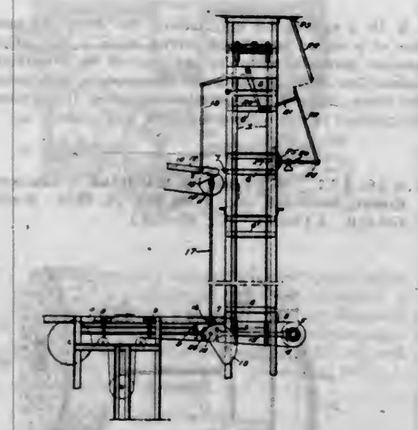
2. A binder comprising a metal frame having two arms, means for detachably securing metal posts to said frame arms, an outer back rigidly secured to the frame and

covers each hinged to said back by flexible strips, one of said strips being secured to the cover and to the back on



the outside thereof, and the other strip being secured to the cover on the inside thereof, and to both sides of one of the arms of said frame.

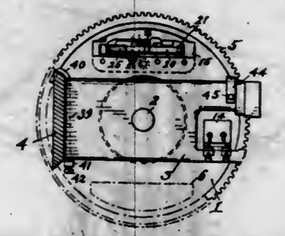
1,636,429. AUTOMATIC TRANSFER MECHANISM FOR CONVEYERS. SAMUEL OLSON, Chicago, Ill., assignor to Samuel Olson & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1920. Serial No. 426,343. 8 Claims. (Cl. 198—24.)



1. The combination of a vertically traveling conveyer with load supporting means disposed at intervals thereon, a transversely traveling conveyer adjacent thereto and arranged for continuously advancing its load and means for moving said transverse conveyer for a limited distance in substantially vertical direction to maintain its registration with the load supporting means of the vertical conveyer during transfer of the load from one conveyer to the other.

1,636,430. POT-MOUTHPIECE WIPER FOR TYPE-CASTING MACHINES. GEORGE PANKUCH, Cleveland, Ohio. Filed July 24, 1926. Serial No. 124,735. 13 Claims. (Cl. 199—62.)

1. In a type casting machine, the combination with a molten metal pot having a mouthpiece and a member movable transversely of the mouthpiece and having a plurality of mold supporting portions, one of said mold supporting portions carrying a mold with which said mouthpiece intermittently engages, of a wiper attach-



ment having a frame adapted to be mounted on one of said mold supporting portions and a mouthpiece wiper yieldably mounted on said frame.

1,636,431. CLOTHES SUPPORT. CHARLES F. PARKS, Muncie, Ind. Filed Mar. 20, 1925. Serial No. 16,987. 3 Claims. (Cl. 248—41.)



1. A base structure for a support device of the kind described, comprising a foot block, angular in cross section, foot pieces secured to and projecting at a right angle from each of two sides of the foot block, a third foot piece hinged to one of said secured foot pieces and in horizontal alignment therewith.

1,636,432. LABEL-ATTACHING DEVICE. ALVIN S. PARTRIDGE, Richmond Highlands, Wash. Filed Nov. 4, 1926. Serial No. 146,190. 2 Claims. (Cl. 40—10.)



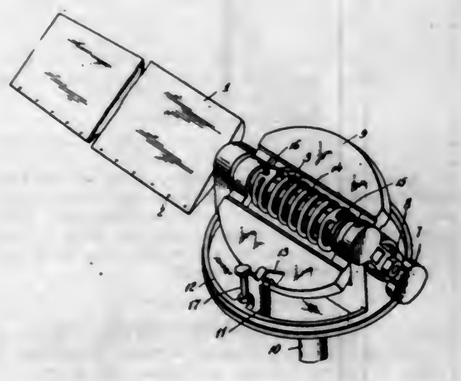
1. The combination with an article having parallel grooves therein, a label, and a label attaching device of substantially the shape of an inverted letter U in transverse section, the side arms of the device being folded upon themselves and adapted to be forced within said grooves into engaged relation with the article.

1,636,433. PUMPING EQUIPMENT. JOHN PENROD and ROBERT D. THOMPSON, Okmulgee, Okla. Filed Apr. 29, 1924. Serial No. 709,746. 10 Claims. (Cl. 103—225.)



1. In a pumping mechanism, the combination with a plunger, of an expansible sealing ring associated with the plunger, valves adjacent the ends of said plunger, and means whereby the valve at one end of said plunger may close prior to the closing of the valve at the opposite end of the plunger.

1,636,434. WIND MOTOR. JOHN ARCHIBALD PINAUD, Atlantic Highlands, N. J. Filed Jan. 25, 1923. Serial No. 615,458. 9 Claims. (Cl. 170—68.)



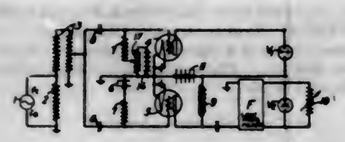
1. A motor of the type described, comprising a blade adapted to be rotated by the wind, yielding means operating continuously upon said blade to hold it at a certain angle to the wind, a weight yieldingly connected to said blade for increasing its angle to the wind as the speed of the blade increases.

1,636,435. FRICTION DRAFT GEAR. HERMAN C. PRIESE, Blue Island, Ill. Filed Mar. 9, 1926. Serial No. 93,413. 2 Claims. (Cl. 213—32.)

1. In a friction draft gear, a friction shell having inwardly projecting friction shoulders; a spring enclosed within the shell; and friction mechanism including friction shoes pressed upon by the spring and engaging the aforesaid shoulders, said shell having a separately formed wall portion covering a space through which said spring may be admitted to the shell, this wall portion and adjacent portions of the shell having intermeshing curled formations whereby said wall portion may be assembled with the balance of the shell.

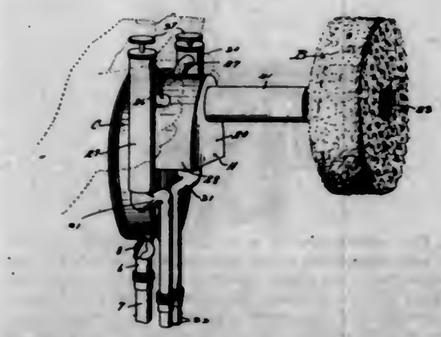


1,636,436. SYSTEM FOR WAVE ANALYSIS. FRANCIS X. RETTENMEYER, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 7, 1925. Serial No. 67,649. 5 Claims. (Cl. 179—175.)



3. In a system for determining the degree of modulation of a signal modulated carrier wave, a pair of transmission channels, means in one channel for determining a summation effect of the wave components, and means in the other channel to determine an effect proportional to the product of the component wave amplitudes.

1,636,437. SCRUBBING MACHINE. AUGUSTUS I. RIEDEL, Savannah, Ga. Filed Nov. 23, 1926. Serial No. 150,310. 3 Claims. (Cl. 15—29.)



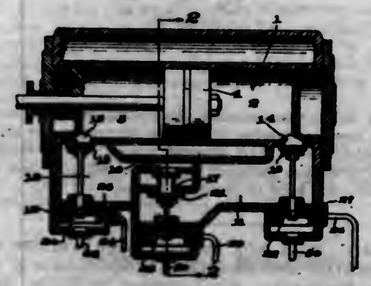
1. A machine of the class described comprising in combination, a supporting structure, a shaft rotatably supported thereby, a brush carried by the shaft, a pipe line extending lengthwise of the shaft and discharging upon the brush, cylinders carried by the supporting structure and constituting handles, pipe lines leading from said cylinders, one of said pipe lines being adapted for communication with a source of water supply and another with a source of detergent supply, pipe lines connecting the cylinders with the first named pipe line, and a valve in each of the cylinders for controlling the flow through the first named pipe lines, each of said valves being operable exteriorly of the cylinder.

1,636,438. CYLINDER AND PLUNGER ARRANGEMENT FOR HIGH-PRESSURE COMPRESSORS. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 19, 1926. Serial No. 130,129. 12 Claims. (Cl. 230—32.)



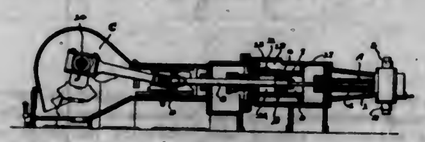
1. In an air or gas compressor, the combination, with a compressing piston, of a balancing cylinder, a balancing piston therein, said cylinder receiving fluid under different pressures for non-compressing action thereon by said balancing piston for balancing the action of said compressing piston.

1,636,439. VARIABLE-CAPACITY COMPRESSOR. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 10, 1926. Serial No. 147,540. 10 Claims. (Cl. 230—24.)



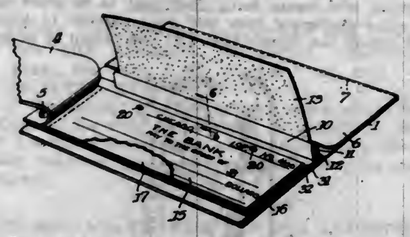
1. In a variable capacity compressor, the combination with a cylinder, of a plurality of clearance chambers, a by-pass port communicating with said clearance chambers and with the suction of the cylinder, and pressure operated means for partially unloading said cylinder by said clearance chambers and for wholly unloading the cylinder by said clearance chambers and by-pass.

1,636,440. COMPENSATING AIR COMPRESSOR. MICHAEL RIESNER, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 16, 1927. Serial No. 175,710. 12 Claims. (Cl. 103—206.)



1. In an air or gas compressor, the combination with a compressing piston, of a balancing cylinder provided with a valved inlet and not having a discharge, and a balancing piston in said cylinder whereby air or gas in the cylinder will be compressed upon one stroke of the balancing piston and will exert its expanding force against the piston upon the other stroke.

1,636,441. MEANS FOR KEEPING ACCOUNTS. WILLIAM ROTSTED, Chicago, Ill. Filed Dec. 26, 1922. Serial No. 609,075. 5 Claims. (Cl. 282—8.)



5. In a device of the class described, an element constituting a cover and adapted to be folded intermediate its length, a flap forming a pocket on one side of the line of fold of the cover, a holder for loose leaf insertions attached to the flap forming the pocket, and hinged means arranged along the line of fold and attached to the flap forming the pocket for receiving and retaining a carbon sheet for use with the loose leaf insertions, said means having a slot therein for receiving therethrough a bank deposit slip.

1,636,442. RAIL JOINT. RICHARD T. SCHOLES, Hinsdale, Ill. Filed Oct. 31, 1925. Serial No. 65,910. 6 Claims. (Cl. 238—210.)



1. A rail joint comprising a channel plate of a length adapted to bear at its two ends upon adjacent ties, the rail bearing top surface of the plate being cambered longitudinally, an apertured angle bar on each side of the web of the rail, bolts extending through said bars and the web of the rails to secure the ends of adjacent rails to said bars, and spike holes in the plate for securing the joint to the ties of the road bed.

1,636,443. GOGGLES. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 11, 1925. Serial No. 8,447. 5 Claims. (Cl. 2—14.)

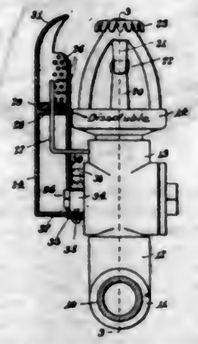


1. An eye cup, a perforated hollow bead formed in the wall thereof, a perforated reinforcing band mounted interiorly of the eye cup and forming with the hollow bead a peripheral air chamber, the perforations in the reinforcing band being in staggered relation to the perforations in the hollow bead, and the material cut away to form the perforations in the reinforcing band being bent laterally into the cup to form a lens seat.

1,636,444. SPRINKLER SYSTEM. MICHAEL F. SILVA, Hyde Park, Mass. Filed May 6, 1926. Serial No. 107,060. 5 Claims. (Cl. 169—19.)

1. The combination of a supply pipe; a sprinkler head therefor adapted to be opened at a predetermined heat; a valve interposed between said pipe and head and nor-

mally open; a weighted arm for moving said valve to close it and by its continued movement again open said valve; soluble means for retaining said arm in raised position, said means being positioned to be acted upon by water discharged from said head whereby to dissolve said means and release said arm and permit it to move



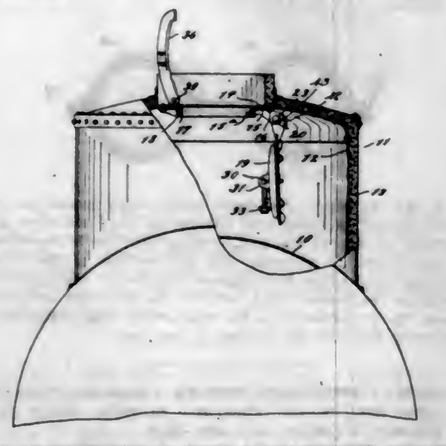
downwardly and close the valve; and a member to stop the downward movement of the arm when the valve has been closed, said member being removable from the path of said arm at a heat greater than that necessary to open the head thereby permitting further downward movement of said arm to reopen the valve.

1,636,445. BACTERIUM SPECIFIC FOR RHEUMATIC FEVER AND METHOD OF UTILIZING THE SAME IN THE PREVENTION AND TREATMENT OF RHEUMATIC FEVER. JAMES CRAIG SMALL, Philadelphia, Pa. Filed Jan. 12, 1927. Serial No. 160,781. 8 Claims. (Cl. 167—7.)

1. The process which consists in isolating the *Streptococcus cardioarthritidis* and growing the same in suitable media for the purpose of producing antigens.

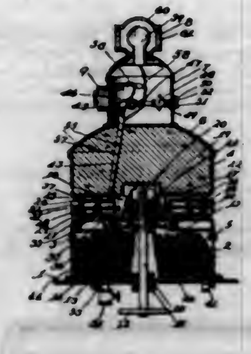
8. As a new product, a *Streptococcus cardioarthritidis* antiserum specific for rheumatic fever, its complications and sequela.

1,636,446. COVER FOR RECEPTACLES AND SUPPORT THEREFOR. ARTHUR B. SMILEY, New York, N. Y., assignor to Union Tank Car Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 16, 1924. Serial No. 686,481. 7 Claims. (Cl. 220—57.)



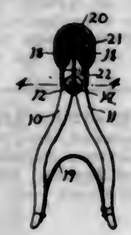
1. In combination, a receptacle provided with an opening, a cover for said opening removably mounted on the inner side of said receptacle, a member provided with a head connected to said cover, and a member adapted to bridge said opening on the outer side of said receptacle and provided with an opening through one portion of which the head of said member is free to pass and through another portion of which the member, but not the head, may pass.

1,636,447. SUBMARINE DETECTION FLOAT. THOMAS L. STANDISH, Los Angeles, Calif. Filed Mar. 30, 1926. Serial No. 98,485. 12 Claims. (Cl. 114—16.5.)



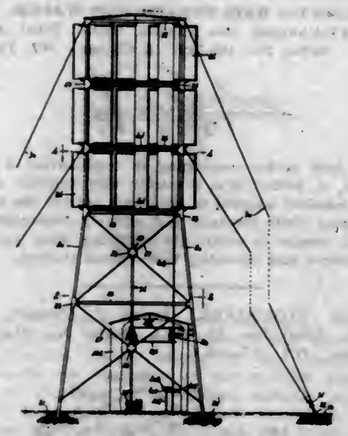
1. A submarine detection float comprising in combination a hose containing receptacle adapted to be attached to a submarine, a float adapted to rest on said receptacle, means to release the float from the receptacle, and means to rotate the float to uncoil the hose.

1,636,448. TOOL FOR REMOVING TRAVELERS FROM SPINNING AND TWISTING RINGS. AMOS E. WHIPPLE, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Feb. 4, 1927. Serial No. 165,831. 1 Claim. (Cl. 81—5.1.)



A tool for removing travelers from spinning and twisting rings comprising a pair of levers each having a forward and a rear arm, a joint connecting the levers located intermediate of the ends of the arms, a fulcrum for said levers on which the joint is swingable, coacting tapered jaws formed in the forward pair of arms, handles formed on the rear pair of arms for the manual actuation of said jaws, resilient means coacting between said handles to maintain said jaws in a closed relation with each other, a frame extending over the top of the jaws and rigidly fixed to one of them, and a perforated screen supported by said frame.

1,636,449. WIND MOTOR. OMER T. ADAMS, Los Angeles, Calif., assignor to Adams Multiple Air Turbine Corporation, Los Angeles, Calif., a Corporation of California. Filed June 3, 1926. Serial No. 113,511. 12 Claims. (Cl. 170—17.)



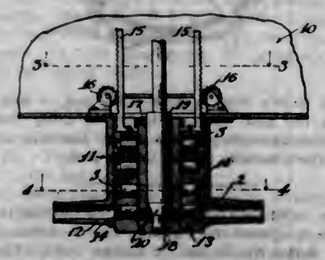
1. In a wind motor, a propeller, a governor controlling the flow of air to the propeller, and automatic means controlling the governor and operated by the propeller including provisions for releasing the governor from the propeller when the governor has been moved by the propeller.

1,636,450. OPTICAL AID TO THE VISUAL PERCEPTION OF DEPTH OR ROTUNDITY. ADELBERT AMES, Jr., Hanover, N. H. Filed May 26, 1924. Serial No. 715,821. 10 Claims. (Cl. 88—29.)



1. Apparatus for aiding the visual perception of depth comprising binocular refracting means, the optical system for one eye only being adapted to alter the normal mutual relations of convergence of the respective optical axes, and the system as a whole comprising devices for optical alteration of the visual constants of both eyes and being adapted to prevent perception of coincident normal binocular sense impressions and substitute a coincident impression free from true indications of depth.

1,636,451. BOMBING GUN FOR AIRCRAFT. GEORGE P. ANDRUS, Aberdeen, Wash. Filed Sept. 16, 1926. Serial No. 135,773. 8 Claims. (Cl. 89—1.)

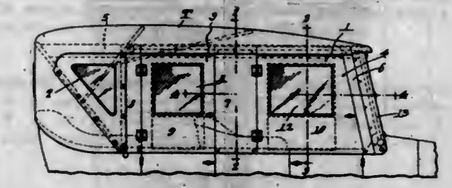


1. A bombing gun for air craft comprising a cylinder adapted to be secured to the craft, a plurality of radially arranged barrels projecting from said cylinder, a magazine arranged for sliding movement through said cylinder and a plurality of rows of shell receiving chambers formed in said magazine.

1,636,452. METHOD OF AND SPRAY FOR EXPEDITING THE RIPENING OF FRUIT. HAZELTON S. AVERY, San Juan, P. R. Filed Nov. 27, 1925. Serial No. 71,752. 5 Claims. (Cl. 47—58.)

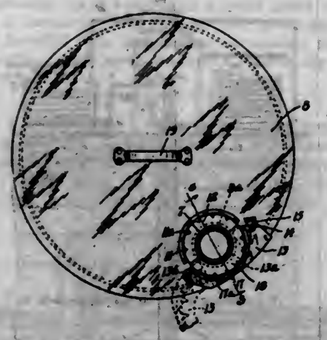
1. The method of ripening fruit which comprises applying to the fruit just previous to maturity, a coating of a mixture including an oil emulsion and a lime sulphur compound for the purpose of hastening the ripening thereof.

1,636,453. ALL-WEATHER TOP FOR AUTOMOBILES. GEORGE M. BAILEY, Gracemont, Okla. Filed Feb. 19, 1925. Serial No. 10,388. 1 Claim. (Cl. 296—45.)



In a device of the character described, an upper bar adapted to be secured to a motor vehicle adjacent to the top thereof and within the confines of the sides of the top, said bar having a substantially wide central cut out portion and having cut out portions disposed on opposite sides of the central cut out portion, uprights having their upper ends secured within the cut out portions, said bar having a longitudinal cut out portion formed along the lower edge, closures having slidable windows and having pockets to receive the windows, means for hingedly connecting the closures to the uprights, said closures being constructed so that the upper edges thereof will move into the longitudinal cut out portion, the lower ends of the closures and uprights overlying the upper edge of the body of the car to which the device is secured.

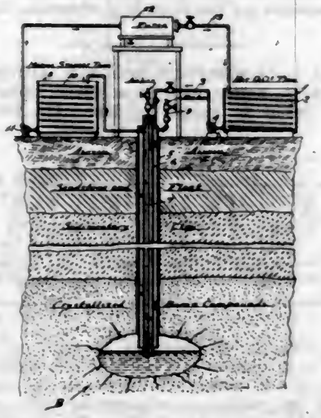
1,636,454. COVER FOR TANKS. OLE T. BEKKERUS, Hurdsfield, N. Dak. Filed Jan. 26, 1925. Serial No. 4,680. 3 Claims. (Cl. 220—24.)



1. In a container having an aperture therein through which a pipe is adapted to extend, an angular semi-circular flange secured to the container adjacent an edge of said aperture, a semi-circular closure plate pivoted to said container adjacent another edge of said aperture, an angular semi-circular flange mounted on said closure plate and a split ring of packing material secured to each of said flanges, said split rings of packing material being adapted to co-operate to clamp about a pipe extending through said aperture and form a fluid tight joint be-

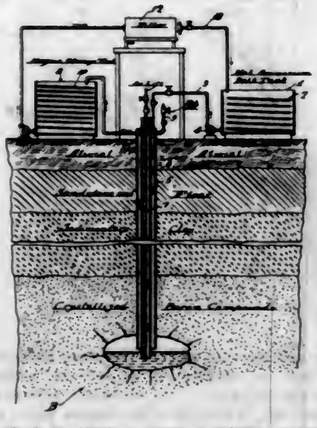
tween the container and the pipe when said closure plate is swung toward the flange secured to said container, said flanges having a plurality of inwardly extending pointed portions at their upper inner edges securing said split rings of packing material to said flanges.

1,636,455. PROCESS OF MINING INSOLUBLE BORON COMPOUNDS. HENRY BLUMENBERG, Jr., Moapa, Nev. Filed Mar. 23, 1927. Serial No. 177,520. 4 Claims. (Cl. 262—3.)
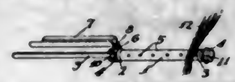


1. A method of mining water insoluble calcium boron compounds comprising introducing a hot calcium chloride solution to the calcium boron deposit, thereby disintegrating and dissolving a portion thereof, removing and cooling the resulting magma, thereby causing a portion of the dissolved calcium boron compounds to precipitate and remove the soluble part from the insoluble part of the magma, said soluble part containing calcium chloride and a small percentage of calcium boron compounds in solution.

1,636,456. PROCESS OF MINING INSOLUBLE BORON COMPOUNDS. HENRY BLUMENBERG, Jr., Moapa, Nev. Filed Mar. 23, 1927. Serial No. 177,521. 4 Claims. (Cl. 262—3.)



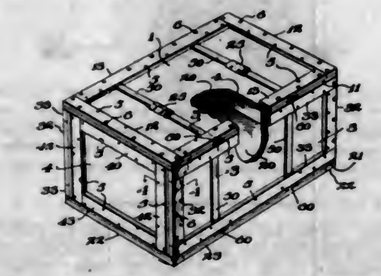
1. A method of mining water insoluble calcium boron compounds comprising introducing a hot ammonium chloride solution to the calcium boron deposit, thereby disintegrating and dissolving a portion thereof, removing and cooling the resulting magma, thereby causing a portion of the dissolved calcium boron compounds to precipitate and removing the soluble part from the insoluble part of the magma, said soluble part containing ammonium chloride and a small percentage of calcium boron compounds in solution.

1,636,457. HAIR CURLER AND WAVER. HENRY BRINKSCHNEIDER, Los Angeles, Calif. Filed Aug. 31, 1926. Serial No. 132,719. 9 Claims. (Cl. 132—33.)



1. A hair curler comprising in combination a tubular mandrel, a holder arm pivotally and slidably mounted on the mandrel adapted to hold hair against the mandrel, a clamping blade pivotally and slidably connected to the mandrel, means to secure the clamping blade parallel to the mandrel and clamping hair wound thereon.

1,636,458. CONTAINER. FRANK P. CHENEY, Lowell, Mass. Filed Jan. 15, 1923. Serial No. 612,771. 3 Claims. (Cl. 217—66.)



1. A container having at one or more of the angles formed by meeting walls thereof the margin of one wall extended beyond the plane of the meeting wall, cleats applied to the said walls at opposite surfaces of the extended margin, and a reinforcing band encircling the box underneath the said cleats, with a notch or slot in the extended margin to let said band lie closely along the surface of the said meeting wall at and adjacent the angle.

1,636,459. SAFETY BELT. VERNON P. CHAPPEL, Iron Mountain, Mich. Filed Sept. 21, 1925. Serial No. 57,656. 3 Claims. (Cl. 227—8.)



1. In a safety belt, a protecting pad, a belt member encircling the pad, means slidably securing the belt to the pad, shoulder straps connected to the belt, and means securing the shoulder straps to the pad.

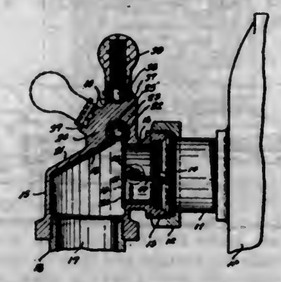
1,636,460. PLURAL-FILAMENT ELECTRIC BULB. ELMER R. CLOWARD, Payson, Utah. Filed June 22, 1925. Serial No. 38,760. 2 Claims. (Cl. 176—27.)

1. A lamp of the class described, comprising an evacuated container, a base mounted on said container having a pair of contact terminals thereon, a sleeve member formed of insulating material mounted in said base, a plurality of metallic sleeves mounted in relative spaced relation within said insulating sleeve, a movable contact member for engaging said metallic sleeves in a predetermined manner, a plurality of filaments supported in said evacuated container, a common electrical connection between one of the terminals on said lamp base and one



end of each of said filaments, and independent circuit connections between the opposite ends of said filaments and predetermined contact sleeves in said insulating sleeve, whereby the operation of the movable contact members for engaging predetermined metallic sleeves will operate to interpose predetermined filaments in circuit between the opposite terminals on said lamp base in a predetermined manner.

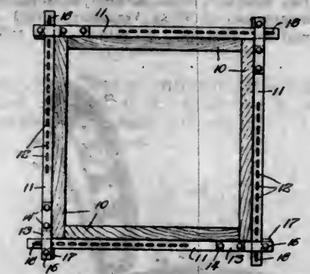
1,636,461. RADIATOR VALVE. WALTER A. COLBURN, Bridgeport, Conn. Filed Nov. 6, 1925. Serial No. 67,329. 8 Claims. (Cl. 251—10.)



1. In a radiator valve, a body member having a side outlet opening adapted to be connected to a radiator and a bottom inlet opening for connection to a supply pipe, said body member being provided with an upright seat in substantially a single plane about said outlet opening, and a valve pivoted in the body to swing about a horizontal axis above said outlet toward and from said seat, said valve being arranged when in open position close to the wall of the body over the inlet opening in an inclined position to deflect the flowing water toward the outlet and having a continuous surface adjacent its outer edge to engage the seat throughout its periphery when the valve is in closed position.

1,636,462. COLUMN-FORM CLAMP. EDWARD E. DAVIS, Chicago, Ill. Filed Feb. 15, 1926. Serial No. 88,321. 3 Claims. (Cl. 144—29.)

1. A form clamp comprising; a plurality of bars, each bar having a series of slots at intervals therein at one end and an elongated loop at the other end, said loop adapted to receive the slotted end of an adjacent bar; a wedge for each bar adapted to fit within a slot in the end of a bar projecting beyond the loop with one edge bearing against the outer end wall of the slot and its opposite edge bearing against the outer edge of said loop; and adjustable means for holding the end of a bar within



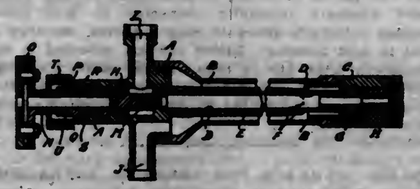
a loop at different distances from the end of said loop, said means comprising a spacing block provided with a plurality of differently spaced abutment faces.

1,636,463. OTOSCOPE. HENRY L. DE ZENG, Moorestown, N. J., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Aug. 8, 1922. Serial No. 580,556. 6 Claims. (Cl. 128—9.)



1. In a device of the character described, a handle, a tube extending from the handle, a casing on the tube having a speculum at one end and a cover plate at the other end, a bevelled slide way on the cover plate, a slide in the bevelled slide way having an opening aligned with the opening in the speculum, and a lens in the opening in the slide.

1,636,464. LIQUID-FUEL BURNER. ERIC SUMMERS DRAW, Regents Park, London, England, and ALEXANDER BANNATYNE STEWART LAIDLAW, Beechwood, Skelmorlie, Scotland. Filed July 24, 1926, Serial No. 124,727, and in Great Britain Aug. 4, 1925. 6 Claims. (Cl. 158—75.)



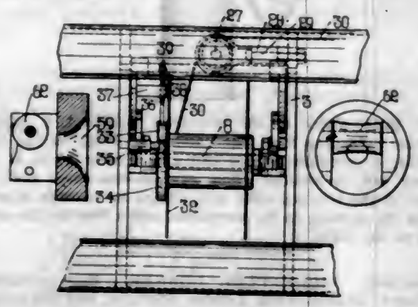
1. A burner comprising two coaxial passages, one for supplying oil and the other for supplying a combustion supporting agent in a helical path, and a hyperboloidal exit orifice whose bounding surfaces bear a definite relation to the pitch of said helical path.

1,636,465. UPHOLSTERED FURNITURE AND METHOD OF PROTECTING SAME. EDWARD J. EDWARDS, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Aug. 9, 1924. Serial No. 731,149. 2 Claims. (Cl. 155—184.)



1. An upholstered article of furniture comprising a frame, a spring-structure mounted thereon, a filling over the spring-structure, a fabric stretched over said filling and secured in position, a finish-fabric tacked to said frame, which finish-fabric commonly is subject to attack by moths, and a protective layer of unglazed cotton batting interposed between said fabrics.

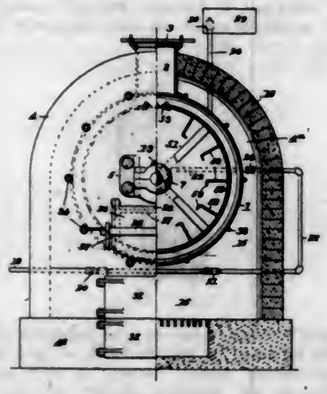
1,636,466. APPARATUS FOR MAKING WIRE, HEMP, OR OTHER ROPES, CABLES, AND THE LIKE. EDWIN EDWARDS, CHARLES JONES, and ROBERT HANSON, Warrington, England. Filed June 28, 1926, Serial No. 119,097, and in Great Britain July 2, 1925. 5 Claims. (Cl. 117—46.)



1. In a machine for making all kinds of ropes, a tubular frame adapted to carry bobbins comprising at least two plates extending longitudinally of said frame, spaced supports integrally connected to said plates, housings integrally fitted to said supports, bearings located in said housings, bobbin carriers mounted in said bearings, a pivot pin in each of said carriers at right angles to the axis of said tubular frame, a spindle pivoting on said pin and means to secure said spindle in operative position.

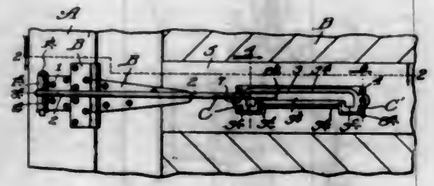
1,636,467. FURNACE FOR TREATING REFRACTORY ORES CONTAINING PRECIOUS METALS. GEORGE W. B. EVANS, Wilderness, Va., assignor to Evans Ore Reduction Company, Washington, D. C. Filed Aug. 13, 1926. Serial No. 128,989. 4 Claims. (Cl. 263—33.)

1. In a stationary furnace designed for the purpose of treating refractory ores containing precious metals, an airtight chamber, means for admitting hydrogen gas into said chamber, an inner rotating cylindrical chamber, means for admitting hydrogen gas into said inner



chamber, means for admitting ore into said inner rotating chamber, and means for extracting the treated ore from said chamber, substantially as shown.

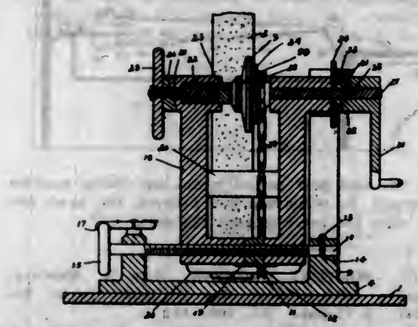
1,636,468. DOOR-HOLDING ATTACHMENT. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Aug. 14, 1926. Serial No. 129,229. 6 Claims. (Cl. 292—273.)



1. In combination with a door-support and a door hingedly connected therewith, a hinge-member secured to said door-support back of the pivot line of the door, a latch-rod pivotally connected at one end with said hinge-member and equipped at the other end with an inturned portion provided with a head, and an elongated keeper secured to said door, said keeper being provided with a guide having at opposite ends downwardly offset recesses affording latch-shoulders, the inturned portion of said latch-rod engaging said guide slot and being adapted to interlockingly engage the latch-shoulder at the remote end of said keeper when the door is in the open position while the latch-shoulder at the inner end of the keeper is so positioned that it cannot be engaged by the latch-rod when the door is in closed position.

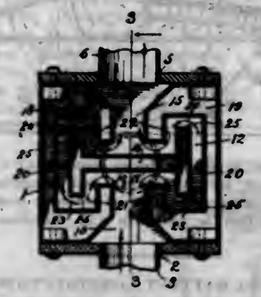
1,636,469. EDGING MACHINE. LYLE H. FISHER, Kansas City, Mo., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,879. 1 Claim. (Cl. 51—101.)

In a device of the character described, an attachment base plate adapted to be attached to the frame of a grindstone, a second plate pivoted to the first plate and adapted to be moved in an arc about its pivot on the first plate, a swinging lens clamp on the second plate, a former on the lens clamp, a contact for the former mounted upon the second plate, and means for moving



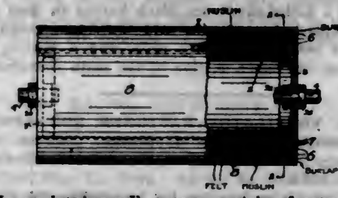
the face of the contact so that it will be parallel with the face of the grindstone in any position to which the pivoted plate is moved.

1,636,470. VAPORIZER FOR EXPLOSIVE ENGINES. JAMES C. FULKERSON, Kansas City, Mo. Filed Feb. 14, 1927. Serial No. 167,985. 3 Claims. (Cl. 257—241.)



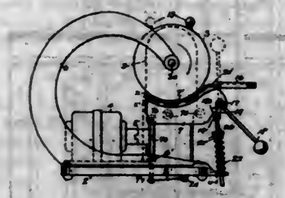
1. In a vaporizer of the kind described, a casing having in opposite sides respectively an inlet and an outlet for mixture, and having a passage for mixture communicating with said inlet and said outlet, the casing having transversely through said mixture passage an exhaust passage, the walls of which form the inner walls of the mixture passage, the outer walls of the mixture passage forming two pairs of recesses disposed one pair above the other, the recesses of one pair facing oppositely to the faces of the other pair, the walls of said exhaust passage having lateral extensions which extend respectively into said recesses, the outer walls of said mixture passage, being extended between said lateral extensions.

1,636,471. IRONING ROLL. MEAD HEDGLON, Syracuse, N. Y. Filed Nov. 3, 1926. Serial No. 146,043. 7 Claims. (Cl. 68—9.)



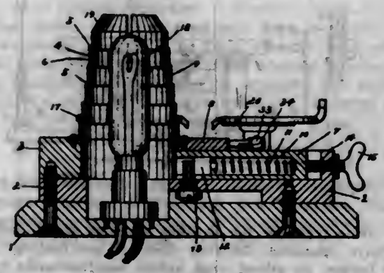
1. In an ironing roll, a core, a strip of coarsely woven material coiled about the core to provide a primary series of layers and having an extension, padding coiled with said extension of the strip about said primary layers to provide secondary alternate layers of said material and padding, the padding having an extension which latter is coiled about the secondary layers, and a layer of finishing material coiled about the padding.

1,636,472. PORTABLE IRONING MACHINE. MEAD HEDGLON, Syracuse, N. Y. Filed Nov. 3, 1926. Serial No. 146,044. 12 Claims. (Cl. 68—9.)



1. In a portable ironing machine, the combination with a driven padded roll supported by spaced frame sections, of a heated trough-like shoe normally disposed horizontally beneath said roll, a pair of links for supporting the rear side of the shoe, said links being loosely pivoted to the shoe and to said frame sections for enabling the shoe to twist in a horizontal plane, compression springs resiliently supporting the forward side of the shoe adapted to control the pressure of the shoe against the underside of the roll, and eccentric means for swinging the shoe downwardly and rearwardly, and for locking the shoe in the ironing position.

1,636,473. FRAME STRETCHER. WILLIAM J. KELLEY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 18, 1922. Serial No. 607,615. 3 Claims. (Cl. 81—3.5.)

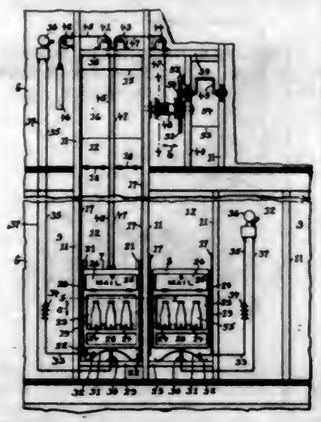


1. A device of the character described, including a stepped expansible mandrel and a table adjustably mounted adjacent the mandrel for cooperation with the various steps thereof.

1,636,474. DEVICE FOR SANITARY HANDLING OF MILK. WILLIAM LAVALLEE, Central Falls, R. I. Filed Nov. 18, 1926. Serial No. 149,265. 3 Claims. (Cl. 187—3.)

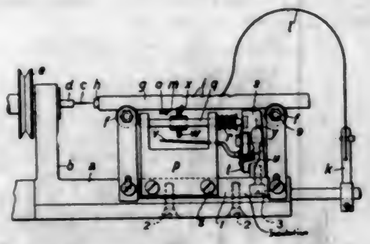
3. In a device of the kind described, the combination of the following instrumentalities, a milk handling device 7 slidably secured in a vertical space in the wall of a house, said device having a milk bottle holding compartment 23, an upper mail box 25, a lower parcel compartment 28, an elevating device comprising a reel 48 rotatably supported in bearings, pulleys 43 and 44 rotatably supported on bearings, a rope 47 secured at its lower end

to the milk handling device 7, said rope going over the pulleys 43 and 44 and wound on the reel 48, a gear 51 fixed to the reel 48, a pawl 52 engaging the gear 51 and



a hand crank 49 rotatably supported in bearings and having a pinion 50 meshing with the gear 51, for the purpose as described.

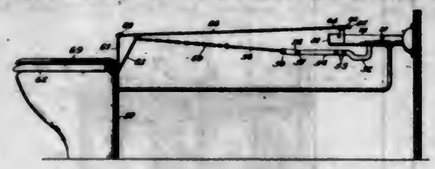
1,636,475. MACHINE FOR DRILLING DRAWING DIES OR STONES. SIEGMUND LOEWENHERZ, Berlin, Germany, assignor to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H., Berlin, Germany, a Corporation of Germany. Filed Aug. 20, 1925, Serial No. 51,433, and in Germany Sept. 10, 1924. 7 Claims. (Cl. 77—1.)



1. In a machine for drilling precious stones and particularly diamond drawing dies, a non-feeding rotary drill holder, an alined work holder longitudinally reciprocated, a spring urging the work holder and work against the drill, means for retracting the holder in rapid succession against the action of said spring, a stop on the holder, a rod arranged parallel to the work holder and a stop on the rod co-operating with the stop on the holder, one of which stops is adjustable and determines the limit of feed of the holder.

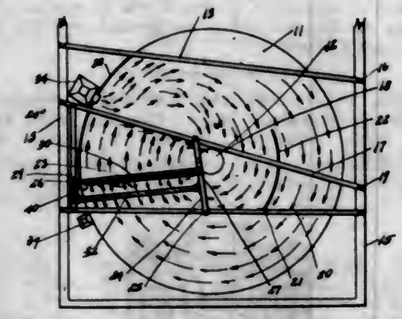
1,636,476. VENTILATING DEVICE FOR TOILETS. FRANK E. LUMLEY, Chicago, Ill. Filed Oct. 13, 1926. Serial No. 141,298. 6 Claims. (Cl. 4—216.)

1. In a ventilating device for toilets, the combination with a bowl, a seat therefor normally slightly spaced from the bowl, a cover for the seat, and a suction system communicating with the bowl; of means interposed in the system and connected with the seat for opening communication between the system and the bowl when the seat is moved to rest upon the bowl, and to close communication when the seat is in its normal spaced position, and other means connected with the cover for the seat and cooperative with said first named means for



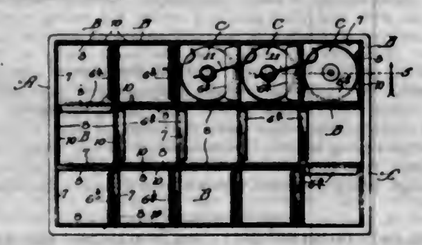
locking the said first named means in closing position with respect to communication between the bowl and system when the cover is upon the seat.

1,636,477. SORTING MACHINE. LEE A. MEDCALF, Fairgrove, Mich. Filed May 3, 1926. Serial No. 106,247. 8 Claims. (Cl. 209—112.)



1. A frame, a sorting device comprising a flat disc, a roller mounted on the frame, and comprising a shaft having a plurality of individual sections loosely mounted thereon and free to move in any direction and riding on said disc.

1,636,478. DRY-BATTERY CONSTRUCTION. EDWIN E. MEISEKOTHEN, Madison, Wis., assignor to French Battery Company, Madison, Wis., a Corporation of Wisconsin. Filed Apr. 8, 1925. Serial No. 21,501. 4 Claims. (Cl. 136—108.)

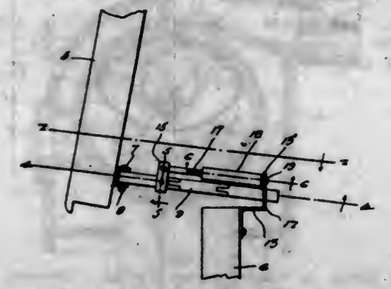


1. A battery comprising a main container and individual rectangular cell-containers nested therein, each comprising a folded cardboard blank having an open upper end, unwrapped dry cells in said individual containers, connections between said dry cells, and a sealing compound filling the upper portion of the main container.

1,636,479. VENTILATOR FASTENER FOR AUTOMOBILE DOORS. ARTHUR T. MEYER, Carleton, Mich. Filed July 30, 1926. Serial No. 126,047. 2 Claims. (Cl. 292—262.)

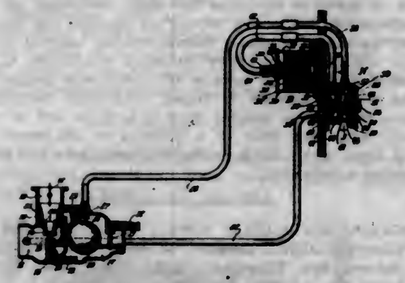
1. In a ventilator fastener for automobile doors, a bar pivotally connected at one end to the inner side of the door adjacent its free edge, a laterally extending bracket

secured to the inner side of the door frame and having an opening for receiving said bar, said bar being formed at its under side with notches for engaging the edge of the opening for providing an interlocking connection between the bar and bracket, means for normally forcing the door in an outward direction whereby the bar will



be maintained in frictional interlocked engagement with said bracket, said means consisting of a telescopic pin and cylinder, said pin being pivotally secured to said bar and said cylinder having means for attachment to the bracket, and an expansion spring arranged within the cylinder in back of said pin.

1,636,480. MIXTURE CONTROL FOR AIRPLANE CARBURETORS. FRANK C. MOCK, CHARLES J. GUSTAFSON, and MILTON E. CHANDLER, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Original application filed July 10, 1918, Serial No. 244,231. Divided and this application filed Apr. 5, 1920. Serial No. 371,199. 1 Claim. (Cl. 261—72.)



In an altitude mixture control for airplane engines, in combination, a carburetor of the common type having a carbureting passageway and a constant level fuel chamber, a connection for communication of suction between the air space in said fuel chamber and a point of suction in said passageway, an air passageway leading from a region of atmospheric pressure to the air space of said fuel chamber, a barometrically controlled valve for automatically controlling the supply of air through said passageway, and additional valve means associated with said air passageway, said additional valve means being controllable manually to supply air to the float chamber in addition to that supplied by said barometrically controlled valve and being also controllable to reduce to any degree the air supplied by said barometrically controlled valve.

1,636,481. RACING AMUSEMENT DEVICE. FRANK J. NEWBAUM, Detroit, Mich., and JULIUS M. LONN, La Porte, Ind., assignors to International Amusement Corporation, Detroit, Mich., a Corporation of Michigan. Filed May 11, 1926. Serial No. 108,293. 15 Claims. (Cl. 104—60.)

1. In an amusement device, a platform comprising a stationary floor section and a movable floor section, said sections defining parallel courses, drive means for moving said movable section, a vehicle mounted on the stationary section to move thereover, and connecting means secured



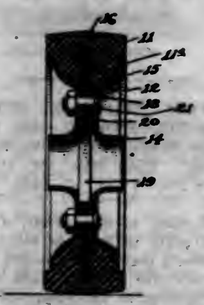
to the said movable section and to said vehicle, so that the latter may travel over said stationary section and the spaces between the floor sections reduced to a minimum.

1,636,482. VAGINAL APPLICATOR. FRANK H. NEWTON, Los Angeles, Calif., assignor to Duplex Dilator Corporation, Los Angeles, Calif., a Corporation of California. Filed July 9, 1925. Serial No. 42,337. 2 Claims. (Cl. 128—254.)



1. In a vaginal applicator, a relatively rigid tube, discharge means at one end of said tube, a relatively resilient sheath adapted to be fitted over the tube, resilient studs integral with the sheath and adapted to engage the tube, said studs being spirally arranged for conveying liquid of a desired temperature from the discharge end of the tube into and through said sheath.

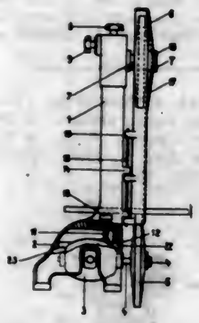
1,636,483. WHEEL. HANS P. NIELSEN, Alameda, Calif., assignor to Eames Company, San Francisco, Calif., a Corporation of California. Filed Mar. 23, 1927. Serial No. 177,589. 6 Claims. (Cl. 301—63.)



5. A wheel comprising a pair of spaced disks forming a wheel structure having a rim, a tire formed of resilient material arranged circumferentially of the wheel and

seated on the rim, a central web formed of rubberized fabric embedded at its outer peripheral edge in the tire and extending radially inwardly between the disks beyond the rim, and clamping means extending through the disks and web to clamp the disks tightly against the web.

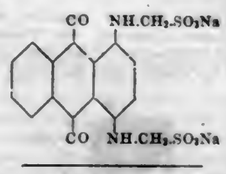
1,636,484. BAND SAW. ALBERT OBERMOSER, Bruchsal, Germany. Filed Jan. 13, 1925, Serial No. 2,212, and in Germany Jan. 15, 1924. 2 Claims. (Cl. 143—17.)



1. A band saw comprising the combination with the saw frame of a driving motor having a shaft on which the saw driving pulley is mounted, said motor being hinged to said saw frame so that it hangs together with the pulley in the band saw, an upper pulley adjustably mounted in a slot of the frame so as to be capable of adjustment in the vertical direction, for regulating the inclination of the motor and driving pulley with respect to the horizontal plane, a spring and an adjusting screw for said spring arranged between said saw frame and said motor for increasing the load on the saw blade for tensioning the same.

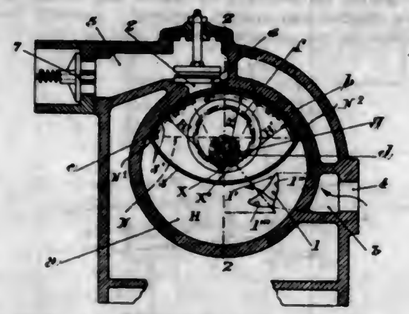
1,636,485. PROCESS FOR THE MANUFACTURE OF ANTHRAQUINONE DERIVATIVES. WILLIAM HENRY PERKIN, Oxford, and ALEXANDER WALKER FYFE and MORDECAI MENDOZA, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Apr. 5, 1926, Serial No. 99,984, and in Great Britain July 8, 1925. 4 Claims. (Cl. 260—60.)

4. As a new product, the substance having the structural formula



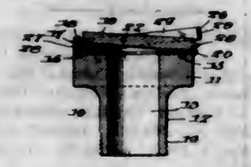
1,636,486. ROTARY ENGINE OR PUMP. BENJAMIN RENÉ PLANCHE, Villefranche-sur-Saone, France, assignor to Mrs. Widow Ernest Benoit Planche, born Clotilde Perdrix, France. Filed Jan. 29, 1923, Serial No. 615,725, and in France Feb. 17, 1922. 3 Claims. (Cl. 103—130.)

1. In a rotary pump or compressor, a cylindrical casing having inlet ports in its side walls situated below the median horizontal plane of the casing and to one side of its median transverse vertical plane, and also having an exhaust port situated in its cylindrical wall above said horizontal plane and to the other side of said vertical plane; and a rotary fusiform piston in said casing having flat side faces to close the inlet ports, the said cylindrical wall of the casing having a channel therein which is situated above said horizontal plane and to the same side of said vertical plane as said exhaust port and adjacent thereto to place the spaces on opposite sides of



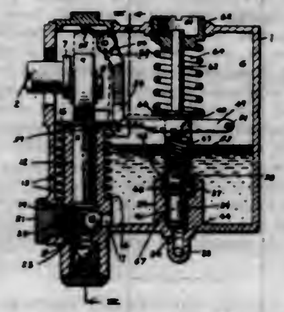
said piston in communication during a fraction of a rotation of the piston when the inlet and outlet ports are closed.

1,636,487. CLOSURE. THOMAS T. READ, Washington, D. C. Filed Apr. 24, 1924. Serial No. 708,751. 11 Claims. (Cl. 220—24.)



8. A device of the class described comprising the combination, with a casing having an opening and provided with an abutment, and a closure member adapted to close said opening, of a lever pivotally connected to said closure member and movable to engage said abutment as said closure member is closed, said lever operable to move the closure member from a position out of alinement with said lever to a position in alinement with said lever, and a latch for holding said lever and closure member in alinement.

1,636,488. HYDRAULIC UNIT. JOY S. REYNOLDS, San Francisco, Calif., assignor of one-half to Charles A. Balcom, San Francisco, Calif. Filed June 7, 1924. Serial No. 718,630. 8 Claims. (Cl. 103—42.)



1. A hydraulic unit for attachment to a source of power comprising a reservoir adapted to contain liquid and provided with a connection leading to a pressure tank, a pump in said reservoir adapted to force liquid therefrom to said tank, a mechanism in said reservoir, responsive to fluctuation of pressure in said tank, for intermittently operating said pump from said source of

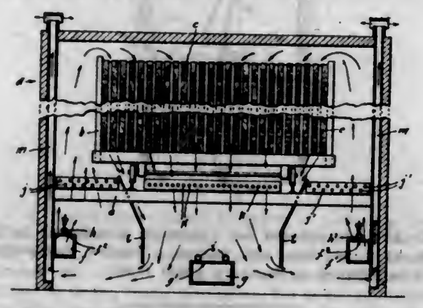
power, said connection provided with an outlet for communication with a work line, and a control valve in said reservoir and associated with said connection, adapted to regulate the passage of liquid to and from said work line.

1,636,489. CIGARETTE-MAKING MACHINE. IVAN ALEXANDROVIČ SEMENOV, Plzen, Czechoslovakia. Filed Oct. 22, 1925, Serial No. 64,225, and in Germany Nov. 4, 1924. 2 Claims. (Cl. 131—39.)



1. In a cigarette making machine means for depositing cigarettes in regular rows, comprising in combination a smooth distributing band and a roller lying above the said distributing band for bringing each finished cigarette on to the surface of the said band and for increasing the speed of travel of the cigarette, for the purpose of forming spaces between successive cigarettes, as set forth.

1,636,490. REVERSIBLE-FLOW DRY KILN. R. A. SIMMONS, Vernonia, Oreg. Filed July 13, 1925. Serial No. 43,274. 2 Claims. (Cl. 34—46.)

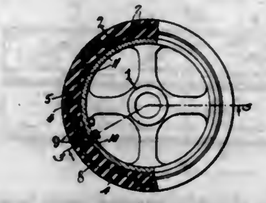


1. In a dry kiln, in combination with means for supporting a pile of material spaced from the floor of the kiln, air-inlets, one located at the middle and one at each side of the kiln adjacent its floor, air-outlets located at each side of the kiln under the air-inlets, said air-outlets opening into stacks respectively, partitions separating the air-inlet at the middle from those at the sides of the kiln, such partitions extending downward in close proximity to the floor, spray pipes and heating coils associated with each air-inlet whereby exterior air is drawn into, conditioned and induced to circulate through the kiln, and is removed again by the stacks, for replacement by the admission of further exterior air.

1,636,491. ELECTRIC INSULATION BOARD. DANIEL MANSON SUTHERLAND, Jr., Trenton, N. J. Filed Nov. 11, 1924. Serial No. 749,345. 3 Claims. (Cl. 106—15.)

3. A compressed and compacted insulating body consisting of the following ingredients in substantially the proportions of: cellulose 40%, oil soap 15%, acaroid resin 2%, and gilsonite 43%, by weight.

1,636,492. PULLEY. CHARLES WILLIAM TAYLOR, Hendon, London, England. Filed Jan. 2, 1926. Serial No. 78,882. 4 Claims. (Cl. 64—15.)



1. As a new article of manufacture, a non-slip cover for a belt pulley comprising a flexible sheet-metal strip having apertures therethrough and having also a plurality of spaced protuberances disposed transversely of said strip together with a continuous surfacing of resilient material attached to both sides of said strip to unite integrally through the apertures therein and embed said protuberances.

1,636,493. PROCESS FOR DISSOLVING A MIXTURE OF HAFNIUM AND ZIRCONIUM PHOSPHATES AND FOR SEPARATING HAFNIUM AND ZIRCONIUM. ANTON EDUARD VAN ARKEL and JAN HENDRIK DE BOER, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Original application filed May 11, 1925, Serial No. 29,561. Divided and this application filed Jan. 4, 1926, Serial No. 79,259, and in the Netherlands June 6, 1924. 4 Claims. (Cl. 23—22.)

1. A process of converting a mixture of hafnium and zirconium phosphates, characterized in that said hafnium and zirconium phosphates are introduced into a medium containing phosphoric acid.

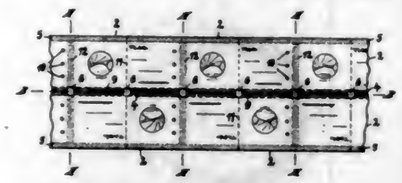
1,636,494. REVERSIBLE HEEL. GEORGE A. VOLZ, Cincinnati, Ohio. Filed Feb. 1, 1927. Serial No. 165,199. 2 Claims. (Cl. 36—35.)



1. In combination with a pair of shoes having heel bases, a pair of metal base members attached to said heel bases substantially flush with the bottoms of said heel bases, and each provided with projections extending into said heel base, and a series of projections extending away from said heel base and a threaded sleeve recessed into the heel base, a pair of detachable and interchangeable metal heel members having each a central perforation opposite the threaded sleeve of said metal heel base members, and perforations to register with and engage the outward projections of said metal heel base members, and a series of toe members off-set to one side of the plane of the body of said metal heel members, and a pair of molded composition heel mmebers in the body of which the toe members of said metal heel members are anchored by molding the material of said composition heel members about and upon both sides of said toe members, central

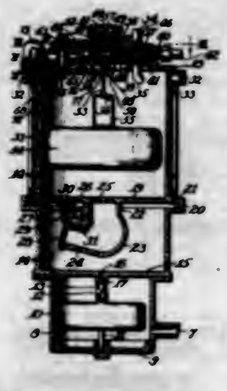
recesses in said composition heel members, and screws having their heads located in the central recesses of said composition heel members, and their shanks passed through the central perforations of said metal heel members and threaded into the sleeves of said metal heel base members.

1,636,495. ENVELOPE BLANK AND METHOD OF MAKING SAME. OTTO WIDMAIER, Magstadt, Germany. Filed May 19, 1925, Serial No. 31,403, and in Germany Mar. 22, 1924. 5 Claims. (Cl. 93—63.)



1. The method of making envelope blanks from a web of paper, comprising punching transverse rows of feeding holes in the web at predetermined points for the attack of feeding grippers, each row comprising only a few holes evenly distributed in spaced relation across the width of the web, and cutting the web on lines parallel to and spaced from said rows.

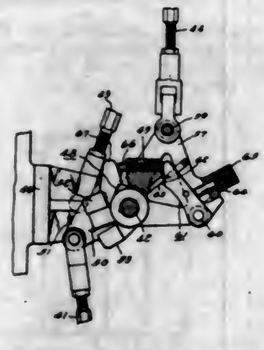
1,636,496. VACUUM-CONTROLLED FUEL-SUPPLY SYSTEM. MARTIN C. BRIGHT, Indianapolis, Ind., assignor to Bernerd B. Carlin, Chicago, Ill. Filed Dec. 16, 1922. Serial No. 607,306. 19 Claims. (Cl. 103—236.)



1. A vacuum-controlled fuel-supply system including a vacuum tank, a suction conduit having connection with the tank, a main valve in the tank to close the conduit, a buoyant device in the tank having a connection to move the valve to close the conduit, and resistance means effective to temporarily arrest the closing operation of the valve and subject to suction in the conduit and to a greater degree than the main valve.

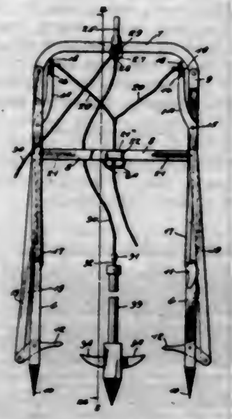
1,636,497. POWER-PRESS CONTROL. ARTHUR A. BYERLEIN, Detroit, Mich. Filed Jan. 7, 1925. Serial No. 1,018. 9 Claims. (Cl. 192—139.)

1. In a power press, a slide member mounted for reciprocation therein, a driving member, a driving connection including clutch means operable when engaged to operatively connect said members and releasable to disconnect said members, manual means including an operating lever and a control member connected thereto through a lost motion for engaging said clutch means to set the press in motion, and means responsive to the movement of the press for automatically disengaging said clutch means to stop the press, said manual means having auto-



matic provisions responsive to the position of said operating lever so as to be operated upon relative movement of said operating lever and control member for rendering said last-mentioned means ineffective to stop the press.

1,636,498. DEVICE FOR HANDLING HAY AND THE LIKE. JOHN W. CALLAHAN, Wellsboro, Pa., and GEORGE B. DUSINBERRE, Elmira, N. Y., assignors to Callahan Distributor Company, Incorporated. Filed Jan. 26, 1924. Serial No. 688,792. 10 Claims. (Cl. 294—128.)

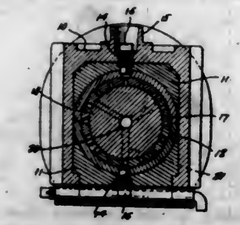


6. A clevis adapted for removable attachment to the bow of a hay-fork, and having a sheave incorporated therein adapted to receive a guide rope.

1,636,499. BEARING FOR LOCOMOTIVE TRUCKS AND THE LIKE. JOHN W. CHAPMAN and JOHN J. MELLEY, Parsons, Kans. Filed Nov. 24, 1926. Serial No. 150,599. 2 Claims. (Cl. 308—79.)

1. In an axle bearing for locomotives, a journal having a longitudinal bore and lateral ducts communicating with the longitudinal bore, an adjustable device for closing the outer end of the bore and controlling lubricating material within the bore and ducts, an apertured bushing surrounding said journal, a second bushing concentric with that first named, an outer structure, retaining devices extending thru this structure into the second bushing, and means including upper and lower con-

cave elements, receiving and mounting the second bushing within said outer structure, the apertured bushing including an outer flange extending over the end of the



second bushing, and means engaging the flange on its outer side, said apertured bushing floating with reference to the second bushing.

1,636,500. HOLDER FOR LABELS. BERTRAM COX, London, England. Filed Nov. 6, 1926, Serial No. 146,797, and in Great Britain Nov. 14, 1925. 4 Claims. (Cl. 40—10.)



1. A label holder comprising a transparent shallow cup-shaped receptacle adapted to contain a disc label and expose it through its bottom, and a plug of compressible material for closing said receptacle and holding said label in position within the receptacle.

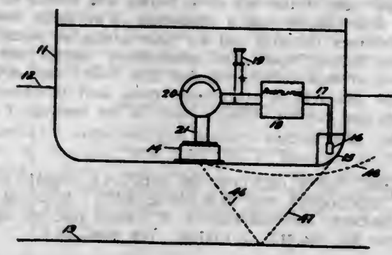
1,636,501. PUSH BUTTON ELECTRIC SWITCH. FELIX DECRAENE, Pantin, France. Filed Apr. 6, 1925, Serial No. 21,173, and in France Apr. 14, 1924. 2 Claims. (Cl. 200—68.)



1. A push-button switch including a casing, a push-button operable in the casing and formed at its lower end with a slot, a shaft mounted in the casing and extending through the slot to limit the movement of the push button, a switch blade pivoted on the shaft and tongues pivotally mounted on the blade on opposite sides of the shaft, said tongues bearing against, but being free of connection with the push button, the push button being formed with shoulders to engage the uppermost tongue on the depression of the button to thereby operate the blade.

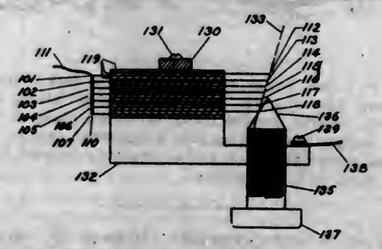
1,636,502. METHOD AND APPARATUS FOR DETERMINING DISTANCE BY ECHO. REGINALD A. FESSENDEN, Chestnut Hill, Mass. Filed Mar. 28, 1921. Serial No. 456,112. 10 Claims. (Cl. 177—386.)

6. The method of determining distance by echo which comprises sending out compressional waves toward the object the distance of which is to be determined and receiving the echo therefrom in the form of compressional waves and causing said received waves to cause the sending of other like waves repeating the cycle in-



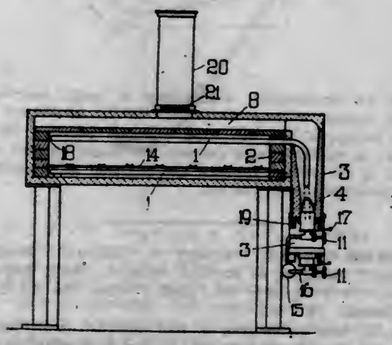
definitely at a frequency automatically determined by the distance of the object whose distance is to be determined and observing a suitable function of said frequency.

1,636,503. VARIABLE CONDENSER. HERBERT GROVE DORSEY, Gloucester, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Nov. 11, 1922. Serial No. 600,349. 2 Claims. (Cl. 175—41.5.)



1. A variable electrical condenser comprising two sets of opposed parallel plates separated by a dielectric, one set of plates extending beyond the other and the dielectric, and means for bending at will any number of the extended portion of the extended plates whereby they will make rubbing contact with said means.

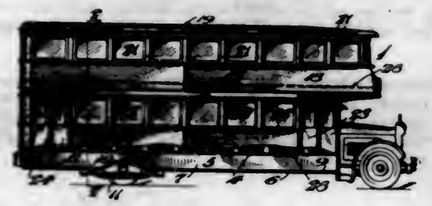
1,636,504. HEATING OVEN FOR BAKING, ROASTING, DRYING, AND LIKE PURPOSES. WILLIAM DREDGE, Manchester, England. Filed June 12, 1924, Serial No. 719,610, and in Great Britain June 15, 1923. 6 Claims. (Cl. 107—63.)



5. Means for heating ovens, for baking, roasting, drying and like purposes of the kind wherein the heating of the oven-chamber is effected by hermetically sealed liquid-

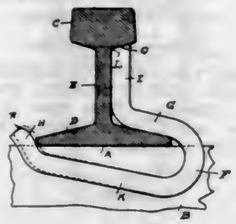
containing tubes to one end of which heat is applied, comprising in combination a plurality of said heating-tubes; a closed tubular casing arranged to surround each separate tube at the end to be heated and spaced therefrom, said tubular casing consisting of an inner casing of refractory material and an outer casing of metal; a heating burner capable of independent control located in each of said tubular casings, and means for conveying the products of combustion from said tube-heating casings and further utilizing them in the heating of the ovens.

1,636,505. LOW CENTER OF GRAVITY, COMPLETELY INCLOSED DOUBLE-DECK BUS. WILLIAM D. FAIRBANKS, Merchantville, N. J. Filed Dec. 13, 1926. Serial No. 154,617. 5 Claims. (Cl. 296—28.)



1. In a low center of gravity, double deck completely inclosed bus, a lower deck compartment having a depressed, central, longitudinally extending aisle, an upper deck compartment having also a depressed, central longitudinally extending aisle and a completely inclosed top for said upper deck compartment.

1,636,506. ANTICREEPER. HORATIO G. GILLMOR, Washington, D. C. Filed Aug. 2, 1923. Serial No. 655,323. 16 Claims. (Cl. 238—330.)



1. An anticreeper, comprising a body, adapted to bear against a cross tie and to be out of contact with the bottom of the rail base, and end portions disposed so as to rigidly engage the web and upper surface of the base at one side of the rail and the edge of the rail base at the other side of the rail.

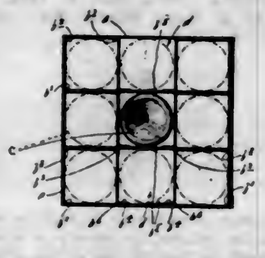
1,636,507. TENT. ALBERT J. GOODMAN, Reidsville, N. C., assignor of one-fifth to R. L. Watt, Reidsville, N. C. Filed May 26, 1925. Serial No. 32,921. 4 Claims. (Cl. 135—15.)

4. A tent comprising a roof member, wall members secured to said roof member at eaves of substantial width, said wall members secured together a substantial distance downward from the eave to form a corner, a sheet of reinforcing material secured to the inner surface of the roof and joining wall members, turned into the eave to reinforce the corner thereof and secured to the wall members through said substantial downward distance,



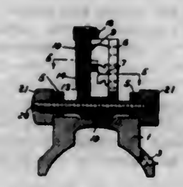
said eave extending in two directions from said corner, whereby to provide an interior-lined pocket to take the wear of a frame member.

1,636,508. FOLDABLE CELLULAR CARTON. CHARLES H. GOODYEAR, Portland, Oreg. Filed Jan. 9, 1926. Serial No. 80,269. 3 Claims. (Cl. 229—15.)



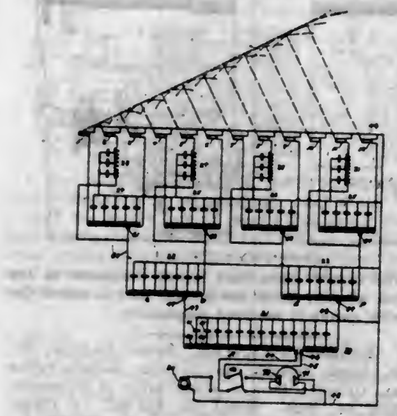
1. In combination with an enclosing outer container, a plurality of filler sections each composed of a single sheet of relatively stiff cardboard, the lateral ends of which are scored, and folded and have their extremities secured in place to form cellular, spaced collapsible pockets adapted to assume a rectangular cross-section when set up, and to be arranged flatwise with the unscored portion of the sheet when collapsed, and the filler sections being arranged with their pockets in alinement whereby that portion of one filler section intermediate its pockets constitutes the closure for the space between the pockets of the adjacent filler section; said outer container holding said filler sections in their set-up state.

1,636,509. RECEIVER SIGHT FOR RIFLES. JAMES L. HATCHER, Brooks Field, Tex. Filed Jan. 2, 1925. Serial No. 194. 2 Claims. (Cl. 33—56.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A sight embodying a base adapted for attachment to a rifle, a leaf mounted on the base, a sight slide carried by the leaf, a screw for adjusting the sight and a retaining member for the screw adapted for attachment to the leaf and formed with an angled end to embrace the upper end of the screw and with a detent for retaining the screw in adjusted position.

1,636,510. DIRECTIVE SOUND TRANSMISSION. HARVEY C. HAYES and MAX MASON, New London, Conn., assignors to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed June 25, 1919. Serial No. 306,685½. 7 Claims. (Cl. 177—386.)

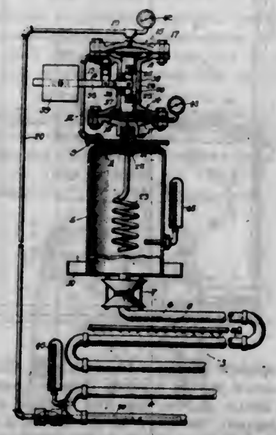


1. Directional sound transmitting apparatus comprising a plurality of transmitters disposed in a straight line and having their effective faces in the same plane and facing in the same direction, means for electrically generating therein sounds of the same frequency and of a variable phase relation and means for varying progressively said relation from one end to the other of said line.

1,636,511. FIBROUS MATERIAL AND METHOD OF MAKING THE SAME. CARL HERING, Philadelphia, Pa. Original application filed Sept. 2, 1924, Serial No. 735,282. Divided and this application filed Jan. 18, 1926. Serial No. 82,157. 3 Claims. (Cl. 49—78.1.)

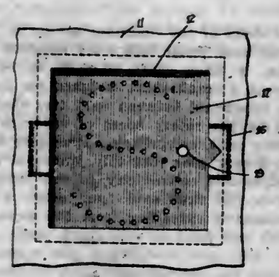
1. The method which comprises spinning a thread from liquefied non-combustible material, fabricating cloth therefrom, and heat treating said cloth to set the threads in their fabricated positions.

1,636,512. METHOD OF AND MEANS FOR REMOVING FOREIGN GAS FROM CONDENSERS. GEORGE HILGER, Chicago, Ill. Filed Nov. 28, 1923. Serial No. 677,383. 21 Claims. (Cl. 62—170.)



1. The combination with a condenser, of a receiver for noncondensible gases communicating with the upper portion of the condenser, a pair of pressure elements arranged in opposed relation and respectively responsive to temperature changes in the region of condensation of the condenser and in the receiver, means for subjecting the condenser and receiver to a cooling medium, and valve means operatively associated with and arranged to be controlled by said pressure elements to permit the escape of gases from the receiver when the temperature of the gases therein falls below a predetermined point.

1,636,513. AUTOMOBILE THEFT DETECTOR. JOSEPH D. E. HUGHES, New York, N. Y., assignor to Stotesbury & Miner, New York, N. Y., a Firm composed of Louis W. Stotesbury and Justin L. Miner, Copartners. Filed Sept. 18, 1923. Serial No. 663,351. 5 Claims. (Cl. 40—2.2)



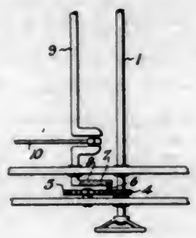
1. A system of identifying and guarding against theft of motor cars which comprises providing each car with a removable portion adapted to register at its marginal edge with a permanent portion of the body of that particular car but not other cars and adapted to be removed by the authorized driver of the particular car when he leaves the car, and indicating the absence of each such removable portion to persons not occupying the car upon which the removable portion is missing.

1,636,514. GOLF CLUB. CHARLES J. JAHANT, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 13, 1926. Serial No. 148,221. 2 Claims. (Cl. 273—80.)



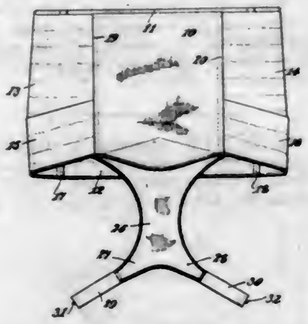
1. A golf club comprising a shaft, a driving head formed with a tapered neck connecting portion having a bore for receiving one end of the shaft, windings wrapped around the neck portion of the head and the base of the shaft, and a removable thin walled rubber protecting sleeve entirely encasing the winding and protecting the winding from impact with the ball in the use of the club, said protecting sleeve being of relatively thin, high grade rubber with beaded ends to prevent injury thereto during installation.

1,636,515. LOOM. ALFRED JOHN, Gera-Reuss, Germany. Filed Apr. 5, 1926, Serial No. 99,686, and in Germany Oct. 29, 1925. 1 Claim. (Cl. 139—190.)



In a loom drive of the character set forth, in combination with the loom frame and a lay mounted therein for reciprocation, a drive shaft adapted to be driven at constant speed, a crank shaft designed for operating the lay, means interposed between said two shafts for uniformly varying the rotary speed of said crank shaft in each operative cycle, comprising a spur gear fixed on said drive shaft, a spur gear rotatably journaled on the loom frame in adjustable eccentricity to said crankshaft and meshing with the first said spur gear, a driver pin laterally adjustably extending from the second said spur gear, a crank arm fixed on said crank shaft presenting a longitudinal slot, and said driver pin engaging in said crank arm slot for sliding cooperation therein.

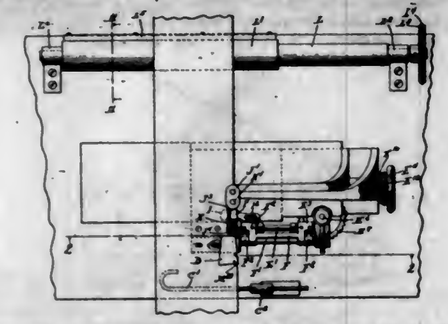
1,636,516. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Bros. Inc., New York, N. Y., a Corporation of New York. Filed Dec. 22, 1925. Serial No. 76,947. 2 Claims. (Cl. 2—41.)



1. In a garment of the type described, a front member, a sides and back member connected to the front member to form a continuous structure, a thigh and buttocks strap extending downwardly from the lower side portions of the front member to points at the rear of the axillar lines of the garment between which the said strap forms a lower continuation of the back member, and a crotch strap extending from the lower portion of the front member, to which the crotch strap is permanently attached, to the lower portions of the sides and back member to which said crotch strap is adjustably connected.

1,636,517. HEMMING MACHINE AND PROCESS OF FORMING BAG TUBING. ALBERT KRASA, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Mar. 16, 1922. Serial No. 544,127. 6 Claims. (Cl. 112—203.)

1. In combination, means for folding together the edges of a strip and turning said edges to form a hem, means contacting the edges only for drawing said edges through the hem-turning device, a sewing head having a presser foot and adapted to sew a beam longitudinally



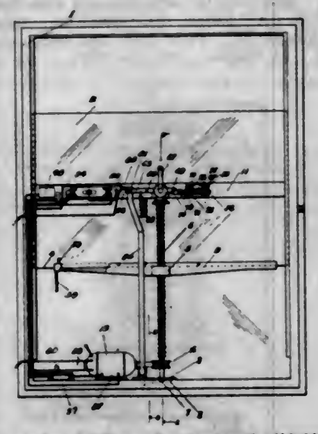
through the turned edges, and means connected to the presser foot whereby when the presser foot is raised the said drawing means is rendered inoperative.

1,636,518. BASEBALL CENTER. SHARP LANNOM, Jr., Grinnell, Iowa, assignor to Lannom Manufacturing Company, Grinnell, Iowa, a Corporation of Tennessee. Filed July 24, 1924. Serial No. 727,897. 1 Claim. (Cl. 273—60.)



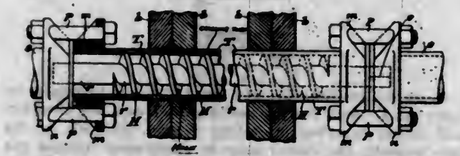
In a base ball, a hollow hard rubber core having fluid under pressure contained therein, a resilient casing comprising hollow hemispheres for enclosing said inner core, a relatively thick enveloping body for enveloping and causing compressions of the resilient casing, and a flexible covering for the enveloping body.

1,636,519. MOTOR-OPERATED WINDOW. NILES L. LARSEN, Oakland, Calif. Filed Dec. 10, 1924. Serial No. 755,070. 7 Claims. (Cl. 268—124.)



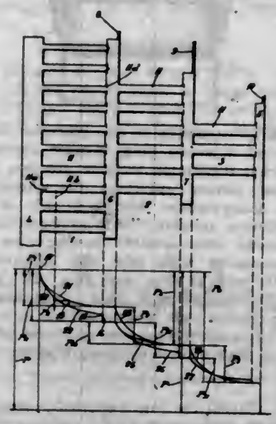
1. In a window having a frame, a sash slidable therein, a vertical screw having a screw threaded connection with the sash, gears on the top and bottom of the screw, means to support the screw in the frame, a motor in the frame having a gear engaging the said bottom gear, a manually operated gear to engage the said top gear and means to connect the top or the bottom set of gears.

1,636,520. METHOD OF AND APPARATUS FOR TREATING PETROLEUM. JOSEPH W. LEWIS, Jr., Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 4, 1925. Serial No. 20,638. 4 Claims. (Cl. 196—47.)



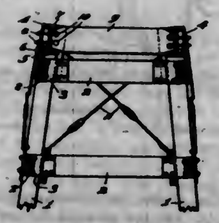
1. The method of producing lower boiling point from higher boiling point hydrocarbon oils, which comprises passing the higher boiling point oil in liquid phase in a helical path through a tubular passage in a stream whose cross section is a small fraction of the cross section of said tubular passage, and subjecting the oil while in said helical path to cracking temperature.

1,636,521. AIR-COOLED CONDENSER. FREDRICK LJUNGSTRÖM, Lidingo-Brevik, and ISIDOR BROBERG, Skarsatra, Sweden, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Apr. 13, 1922, Serial No. 552,410, and in Sweden Nov. 8, 1921. 6 Claims. (Cl. 257—36.)



1. An air cooled condenser comprising groups of cooling elements, the elements of each group being placed side by side, said groups being connected in series, and throttling means between one group and the following.

1,636,522. DERRICK-TOP ASSEMBLY. CHARLES W. LYNCH, Perry, Okla., assignor to Pickering Lumber Company, Kansas City, Mo., a Corporation of Delaware. Filed Aug. 18, 1926. Serial No. 129,877. 2 Claims. (Cl. 20—0.5.)

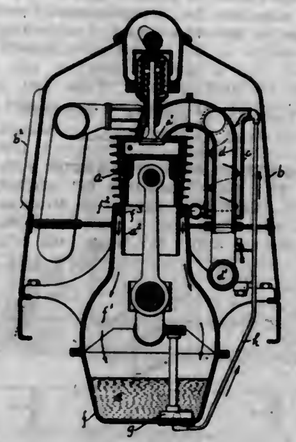


1. A derrick comprising a set of four legs, right angle corner plates fitting respectively against the two outer sides of each leg and projecting thereabove, plates resting upon the upper ends of the legs within said brackets, a pair of parallel I-beams bridging the space between pairs of the posts and resting thereon, a pair of parallel deadwoods extending at right angles to and abutting said I-beams, means for securing the I-beams and deadwoods to said corner brackets, and compression means for bracing the plates, benders and deadwoods against relative spreading movement.

1,636,523. METHOD OF DECORATING CELLULOID ARTICLE AND DECORATED CELLULOID ARTICLE. HUGO MANOVILL, New York, N. Y. Filed Mar. 10, 1926. Serial No. 93,793. 11 Claims. (Cl. 41—26.)

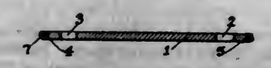
1. A method of coloring the surface of a celluloid base which consists in spraying directly thereon a mixture of coloring matter and a celluloid solvent, the said spraying being conducted with sufficient force with respect to the thinness of the mixture to cause the said coloring matter to be uniformly distributed over the surface of the celluloid, to penetrate the same to produce a uniform colored layer.

1,636,524. LUBRICATING SYSTEM. ALFRED F. MASURY and CHARLES FROESCH, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1926. Serial No. 78,769. 3 Claims. (Cl. 123—196.)



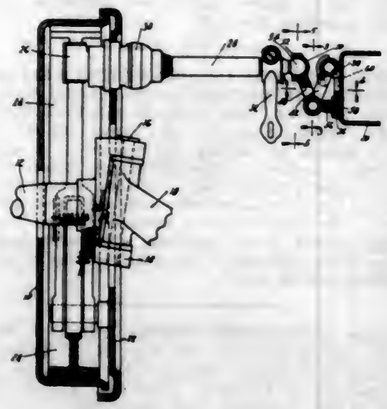
1. The combination with an internal combustion engine having a cylinder and a lubricant reservoir, of means to conduct lubricant from the reservoir to a passage formed in the engine circumferentially of the cylinder, means to conduct lubricant from the passage to the external peripheral surface of the cylinder, and means to return the lubricant to the reservoir.

1,636,525. REENFORCED MOVING-PICTURE FILM. CHARLES H. MEEKER, Riverside, Calif. Filed June 9, 1924. Serial No. 718,800. 7 Claims. (Cl. 88—19.5.)



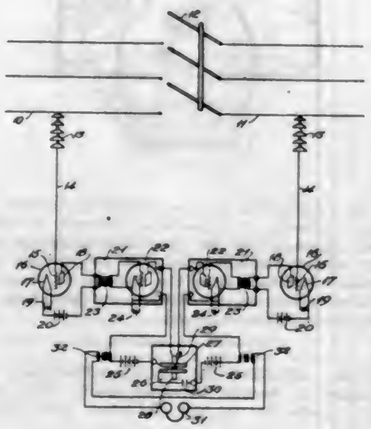
1. A moving picture film in combination with a reenforcing border therefor, said border including a reenforcing longitudinal member secured solely to the edge of said film and in the plane of the film.

1,636,526. BRAKE-OPERATING MEANS. Gus F. MICHAEL, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 11, 1926. Serial No. 140,750. 14 Claims. (Cl. 188—194.)



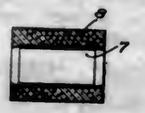
1. Operating means for a brake opposite a chassis part comprising, in combination, a brake-applying shaft having one end adjacent the chassis part, a supporting member pivotally mounted on the chassis part opposite the end of the shaft, and a second supporting part pivotally connected to the unpivoted end of the first supporting part and universally supporting the end of said shaft.

1,636,527. METHOD AND APPARATUS FOR DETERMINING THE SYNCHRONISM OF ALTERNATING-CURRENT CIRCUITS. GEORGE H. MIDDLEMISS, Birmingham, Ala. Filed Nov. 3, 1922, Serial No. 598,960. Renewed June 3, 1927. 10 Claims. (Cl. 172—245.)



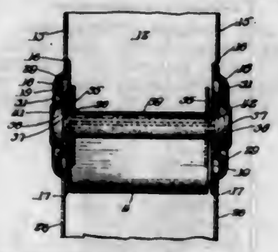
1. Apparatus for determining the synchronic condition of alternating currents including an indicating device, local circuits connected to said indicating device in opposition to each other, vacuum valves, each controlling a respective local circuit, and current limiting devices each adapted to be controlled by a respective alternating current and electrically connected to a respective vacuum valve.

1,636,528. BUSHING FOR STEERING COLUMNS. FRED C. MORRIS, San Francisco, Calif. Filed Oct. 11, 1922. Serial No. 593,863. 4 Claims. (Cl. 308—238.)



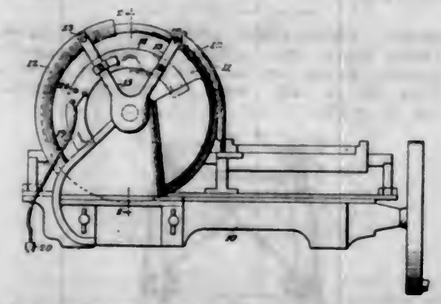
1. An anti-rattling bushing for shafts comprising a tubular metal shaft bearing and a rubber covering therefor, said rubber covering projecting beyond the ends of the tube whereby the rubber may be compressed against the shaft to prevent rattling.

1,636,529. HINGE. HENRY H. MOTSCHMAN, Chicago, Ill., assignor to Union Bed and Spring Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1925. Serial No. 50,561. 1 Claim. (Cl. 287—100.)



In a hinge construction of the character described, the combination of a hollow hinge-member having a pair of spaced internal registering annular grooves, the walls of said member having apertures therethrough, a complementary hinge-member having a pair of spaced external registering annular ribs in said grooves, the walls of said second hinge-member having apertures therethrough concentric with said ribs, a cover-plate concentric with said grooves and ribs and having parts apertured in register with said other apertures, and means to maintain said hinge-members in assembled relation and extended through the apertures of both hinge-members and those of said cover-plate parts.

1,636,530. MACHINE FOR SLICING MEAT. SVERRE NYHUS, Lille-Hammer, Norway, assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Aug. 16, 1926, Serial No. 129,411, and in Denmark May 8, 1925. 5 Claims. (Cl. 146—1.)



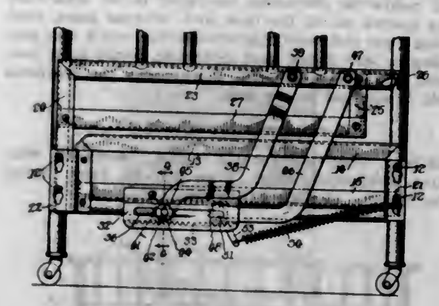
4. A rotary disc slicing machine comprising a slicing blade, an electrical heating element for raising the temperature of said blade, a support of insulating material for said element, and means for mounting said support adjacent said blade.

1,636,531. SAFETY LID. FELIPE OBIOL, Buenos Aires, Argentina. Filed Dec. 30, 1925. Serial No. 78,289. 1 Claim. (Cl. 215—51.)



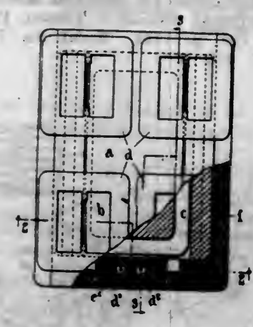
In a closure of the character described, the combination with a receptacle mouth having a sealing chamber formed by an annular groove, the outer portion thereof projecting under the lip of the mouth, of a sealing means for the chamber comprising a metal crown having its marginal portion bent downwardly at an angle to the perpendicular, then upwardly again to provide a recess for the elevated portion of the groove and terminating in a corrugated outwardly projecting skirt portion insertable under the lip of said mouth, the entire crown being disposed below the lip of the mouth when in closed position.

1,636,532. FOLDING BED STRUCTURE. GEORGE G. POWERS, Chicago, Ill., assignor to Union Bed & Spring Company, Chicago, Ill., a Corporation of Illinois. Filed July 9, 1924. Serial No. 724,937. 6 Claims. (Cl. 5—22.)



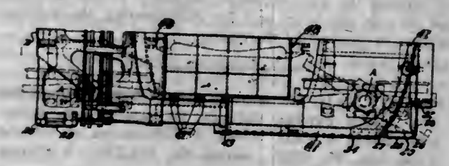
6. In a folding-bed construction of the character described, the combination of a stationary bed-section, a movable bed-section in its inoperative position above and in its operative position in front of and in the plane of said stationary bed-section, legs at the front of the movable bed-section adapted to rest on the floor in the open condition of the bed, a pair of bent supporting links at each end of the structure each pivoted at its upper end to the movable bed section, a pivotal mounting for the lower end of each such link causing its travel forwardly and rearwardly during the opening and closing movements of the movable bed-section, and an abutment at each end of the construction on which the pair of links at the respective ends of the structure bear in the open condition of the folding-bed construction.

1,636,533. MAGNETIC CHUCK. JOHN EDWARD SEARS, Jr., and ARTHUR JOHN CHARLES BROOKES, Teddington, Middlesex, England; said Sears assignor to said Brookes. Original application filed Nov. 22, 1919, Serial No. 339,915, and in Great Britain Nov. 22, 1918. Divided and this application filed June 14, 1920. Serial No. 389,044. 5 Claims. (Cl. 175—367.)



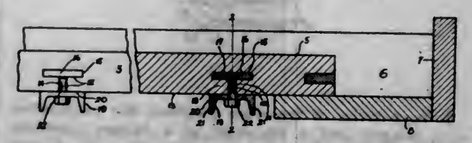
1. A chuck for use in the production of such articles as slip gauges comprising a solid metal block having a number of facets integral therewith and projecting somewhat above the general surface of the block, said facets being of a size and shape conforming to the size and shape of the slip gauges.

1,636,534. ORE CAR. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 21, 1922. Serial No. 576,526. 15 Claims. (Cl. 105—251.)



2. In a railway car, the combination of a cast steel underframe having integral walls forming a centrally arranged hopper opening, the end walls of which are obliquely disposed and curved, and curved end hopper sheets whose lower edges are connected to the upper edges of the curved obliquely disposed walls on said underframe.

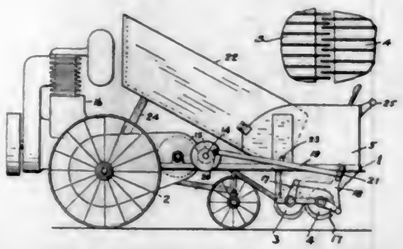
1,636,535. SHUFFLE BOARD CONSTRUCTION. MICHAEL J. SHERRY, Utica, N. Y. Filed Feb. 26, 1927. Serial No. 171,352. 5 Claims. (Cl. 273—51.)



5. A shuffleboard construction consisting of a wood shuffleboard having intermediate its top and bottom sur-

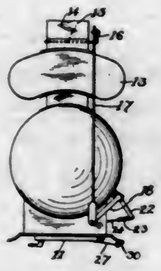
faces a slot extending transversely of the board, a rigid bar in said slot, a rigid re-inforcing metal member engaging the bottom surface of the board below said bar and means for rigidly connecting said bar and said bottom metal member at a plurality of points and clamping the wood therebetween to the said bottom member.

1,636,536. SPREADING OR SOWING MACHINE FOR ROOT PLANTING. HOWARD C. TOOMEY, Philadelphia, Pa. Filed Oct. 9, 1924. Serial No. 742,512. 3 Claims. (Cl. 275—2.)



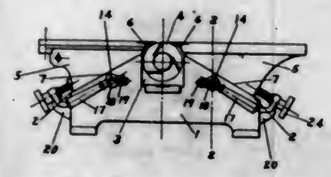
1. An automotive spreading and sowing machine for root planting comprising a power means for propelling the machine, a pair of rotatively mounted rolls provided with circumferential spaced rows of saw teeth and the teeth of one row projecting into the spaces between the rows of teeth of the other roll, a hopper having at its bottom an outlet opening disposed at the space between the rolls, an agitator provided with pins and arranged for horizontal reciprocation in the hopper above the bight of the rolls, and mechanism actuated by the power means for turning the rolls oppositely and first in one direction and then in the other and for reciprocating the agitator endwise in horizontal direction.

1,636,537. DAMPER REGULATOR FOR FURNACES. BEN JAMES TAYNER, Chicago, Ill., assignor to Enterprise Boiler & Tank Works, a Corporation of Illinois. Filed Jan. 15, 1927. Serial No. 161,250. 5 Claims. (Cl. 126—287.)



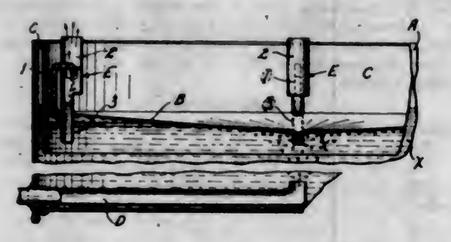
1. In a device of the class described, the combination of a damper, and a fire door, of a damper operating mechanism comprising linkage controlling the damper movement, a flexible connection thereto leading to the fire door and adapted to open said damper upon opening said door.

1,636,538. TABLE FOR JOINTERS. LELAND B. WHIPPLE, Rochester, N. Y. Filed July 11, 1923. Serial No. 650,823. 2 Claims. (Cl. 144—129.)



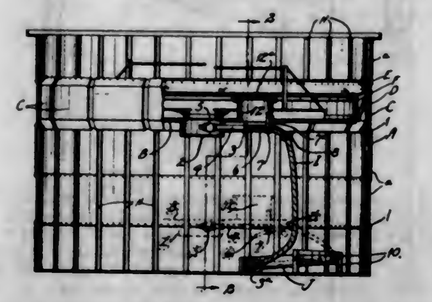
1. In a machine of the character described, a bed and a table having cooperating inclined surfaces, one of said parts containing a slot and the other of said parts having a tongue projecting through said slot and containing an elongated aperture, and a shaft journalled in said slotted part and having a cam rotatable in said elongated aperture.

1,636,539. LIQUID-STORAGE TANK. JOHN H. WIGGINS, Bartlesville, Okla. Filed Oct. 12, 1925. Serial No. 62,019. 12 Claims. (Cl. 220—26.)



1. In a liquid storage tank provided with a floating deck, means for preventing the liquid in the tank from being carried out of the tank with escaping gases, comprising a gas and liquid separating device, and a vent pipe leading to said device, said separating device being connected to the deck in such a way that the separated liquid is returned to the tank.

1,636,540. LIQUID-STORAGE TANK. JOHN H. WIGGINS, Bartlesville, Okla. Filed Feb. 15, 1926. Serial No. 88,308. 13 Claims. (Cl. 220—26.)



1. A liquid storage tank provided with a floating roof or deck that normally rests upon the liquid in the tank, a flexible conduit leading downwardly from said deck towards the bottom of the tank for draining the top surface of said deck, and means for causing said conduit to coil into a certain quadrant when the deck rises and falls due to variations in the level of the liquid.

1,636,541. TUBULAR-SPOKED WHEEL. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 1, 1922. Serial No. 579,016. 2 Claims. (Cl. 301—67.)



1. In a wheel, the combination with a metal rim having a cylindrical flange, of a series of tubular metal spokes each of unitary construction thickened on two sides from end to end, having its outer end portion flattened and bent laterally to fit the rim, and means for rigidly uniting each flattened portion to the rim.

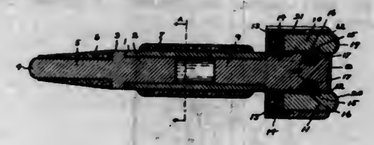
1,636,542. PISTON HAVING AN ADJUSTABLE HEAD FOR FACILITATING THE REMOVAL OF THE PISTON RINGS. JOHN P. WILLIS, Jenkins, Ky. Filed Oct. 2, 1926. Serial No. 139,167. 1 Claim. (Cl. 74—108.)



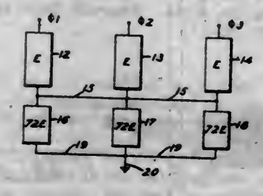
In a device of the class described, the combination of an annularly recessed piston head, spacing rings removably seated on the recessed portion of said piston, rings alternately arranged with the spacing rings, and a removable head having a screw-threaded cylindrical projection engaging a correspondingly recessed portion of the piston head, said projection and the aforesaid piston head being correspondingly recessed to receive a lock washer.

1,636,543. ADJUSTABLE LIMIT-PIN GAUGE. ERIK H. ALDEBORGH, Poughkeepsie, N. Y., assignor to Standard Gage Co., Inc., Poughkeepsie, N. Y., a Corporation of New York. Filed Jan. 13, 1927. Serial No. 160,983. 4 Claims. (Cl. 33—163.)

1. An adjustable limit pin gauge, comprising in combination with a tubular body portion having a stationary gauging pin mounted in one end thereof, of a head carried by the other end, said head provided with an adjustable go pin and an adjustable no go pin, each of which forms a predetermined dimension with the stationary pin.

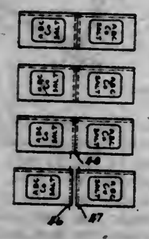


1,636,544. LIGHTNING-ARRESTER CONNECTION. ALFRED L. ATHERTON, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1923. Serial No. 633,743. 9 Claims. (Cl. 175—36.)



1. An excess-voltage protective system for multiple-phase circuits comprising a plurality of excess-voltage protective devices connected to the several line conductors of said circuits, a star-connecting means for said devices having a negligibly small impedance to excess-voltage discharges, and excess-voltage protective means connected between the star point and ground, the discharge current-carrying capacity of said means being equal to the combined current-carrying capacities of all of said star-connected protective devices.

1,636,545. METHOD OF MAKING BAGS. ADELMER M. BATES, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Aug. 20, 1923. Serial No. 658,240. 14 Claims. (Cl. 93—35.)



1. The process of making bags from a tube, which consists in severing the tube into lengths, each of proper length to make two bags, sewing parallel transverse seams midway of each length, and severing each length between the seams.

1,636,546. STENCIL AND METHOD OF MAKING THE SAME. ADELMER M. BATES and JOHANN E. DANCKER, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed Mar. 17, 1924. Serial No. 699,690. 2 Claims. (Cl. 101—127.)



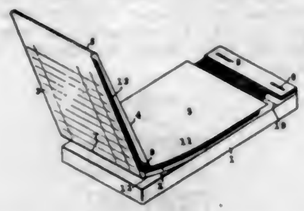
1. The method of making a stencil plate, which consists in die-cutting the outlines of the desired characters except for connecting lines sufficient to keep the stencil material in place when the dies are removed, removing the dies, and then completing the cutting of said outlines and removing the stencil material within the outlines.

1,636,547. BRICK-SCORING APPARATUS. GEORGE W. BOOTH, New Toronto, Ontario, Canada. Filed Feb. 12, 1925, Serial No. 8,776. Renewed June 13, 1927. 3 Claims. (Cl. 25—1.)



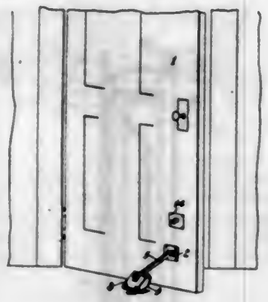
1. Apparatus for scoring brick comprising a plurality of independent scoring members floatingly supported relative to the surface of the brick material; and individual means for yieldingly pressing each scoring member towards the brick.

1,636,548. MANIFOLDING SALES BOOK. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario, Canada. Filed Sept. 14, 1921. Serial No. 500,498. 1 Claim. (Cl. 282—9.)



A manifolding pad, comprising, in combination, a plurality of sets of leaves, each set comprising four leaves attached together end to end to form a strip, said strip being folded to superpose the third and fourth leaves upon the second and first respectively, and being folded a second time to bring all four leaves of the set in registry with each other, the first leaf of each set being extended beyond the others to form an extension by which the sets are attached together in the pad, and a carbon strip bound within the pad above the record leaves of length equal to two of the record leaves, carrying transfer material upon both of its faces for portions of its length, whereby when folded to extend between the record leaves quadruplicate copies may be made.

1,636,549. DOORCHECK. MAX BROWN, New York, N. Y., assignor to The Brown Door-Check Co. Inc., a Corporation of New York. Filed Oct. 29, 1924. Serial No. 746,499. 3 Claims. (Cl. 292—338.)



1. In a door check, a plate for attachment to a door, a rocker member having projections thereon, a bar pivotally connected to said plate at one end, its opposite end being so mounted pivotally between the said projections on the rocker member that in operation the inner end of the rocker member is adapted to contact with the bar some distance from the pivoted end thereof.

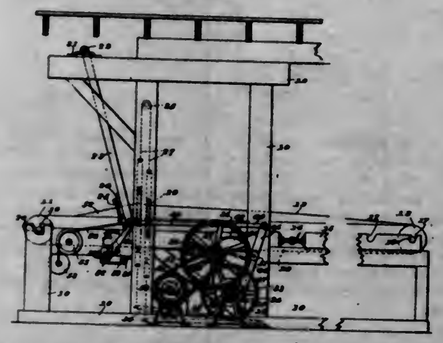
1,636,550. EXTRACTION METHOD AND APPARATUS. HAMBDEN BUEL, Fairview, N. J., assignor to International Patents Development Company, Wilmington, Del., a Corporation of Delaware. Filed July 9, 1925. Serial No. 42,446. 5 Claims. (Cl. 167—4.)



1. Extraction method for materials containing extractives injuriously affected by high temperatures which comprises passing a heated solvent through the material, reducing the boiling point of the solvent to a temperature below that injuriously affecting the extractive by maintaining the space holding the material at a pressure below atmosphere, and cooling vapors from the operation to substantially completely condense the same.

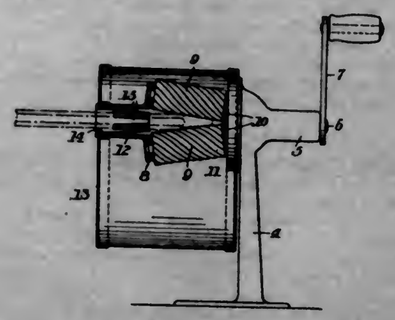
5. Apparatus for extraction of essential substances injuriously affected by high temperature comprising a holder for the material treated, a vessel to contain a solvent, means for vaporizing the solvent in said vessel, a vapor duct leading from the vessel to the holder, a return duct from the holder to the vessel for the solvent and extractive, a condenser connected with the holder to receive the vaporized solvent and reflux the same upon the material in the holder and an exhauster connected with the condenser to maintain a pressure therein and in the holder and vessel at such point below atmospheric pressure that the solvent will evaporate at a temperature below that at which the extractive volatilizes.

1,636,551. LOOM WITH EDGE TRIMMERS. EARL C. BUNNELL, Stratford, and LESTER H. MESSINGER, Jr., Bridgeport, Conn., assignors to The C. O. Jelliff Manufacturing Corporation, Southport, Conn., a Corporation of Connecticut. Filed Apr. 5, 1926. Serial No. 99,667. 14 Claims. (Cl. 139—190.)



1. A loom for weaving wire fabric, comprising a beater, means for actuating the beater to cause it to strike a plurality of blows against each of cross-wires to be woven into warp wires, said means comprising a plurality of cams for withdrawing said beater from the weaving location, there being a cam for each blow to be struck a cross-wire, and each cam being adapted to release said beater when withdrawn, and means upon said beater for causing it to strike a trip hammer blow against a cross-wire each time it is released from a cam, said last mentioned means comprising a weight, a cord suspending said weight from said beater, and a rotatable member over which said cord passes.

1,636,552. PENCIL SHARPENER. CHARLES R. CLARK, Homestead, Pa. Filed Sept. 24, 1926. Serial No. 137,492. 7 Claims. (Cl. 120—95.)



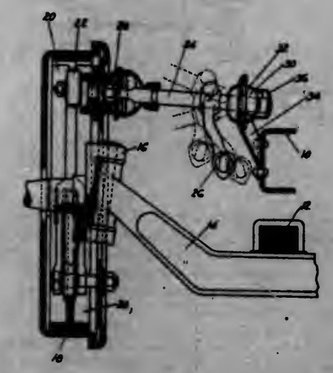
1. The combination with a pencil sharpener composed of a pair of abrading members mounted for rotatable movement about axes that are angularly disposed relative to one another, of a centering sleeve whose axis is located on a line that is symmetrically disposed between the first named axes, and yieldable fingers carried by said sleeve in position to engage a pencil inserted therein and center the same between said abrading members.

1,636,553. FOOTBALL TROUSERS. GEORGE W. CAUDEN, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed May 3, 1927. Serial No. 188,452. 3 Claims. (Cl. 2—23.)



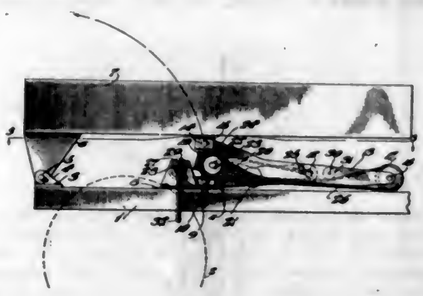
3. Athletic trousers provided with thigh pads formed of a stiff protective material, slots in the pads, tapes carried at one of their ends with the waist section and fastened at their other ends to the pads and passing back and forth through the slots, whereby the height of the pads with respect to the waist section may be varied, and means to maintain the pads in position relative to the thighs of the wearer.

1,636,554. BRAKE-OPERATING MECHANISM. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 29,344. 3 Claims. (Cl. 188—194.)



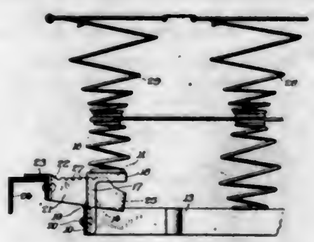
1. Brake-operating mechanism including a shaft, and comprising, in combination therewith, a pressed metal support having at one end a flange to be secured to a chassis frame and extending upwardly at a substantial angle away from the flange and frame, and formed at its upper end with a half-socket, a ball in said half-socket supporting the end of the shaft, and a separate half-socket secured to the support and arranged on the opposite side of the ball.

1,636,555. HOISTING DEVICE FOR VEHICLE BODIES. WILLIAM B. ENGLER, Waterloo, N. Y. Filed Feb. 26, 1927. Serial No. 171,101. 6 Claims. (Cl. 298—19.)



1. In an apparatus of the character stated, a chassis, a body pivotally mounted thereon, spaced pairs of body arms pivoted to said body, spaced pairs of chassis arms pivoted to said chassis and to said body arms, a slidably supported U-shaped yoke, said yoke being provided with opposed end rollers for engaging simultaneously the undersides and the uppersides of said body and chassis arms, a sheave carried by said yoke, a sheave at the forward ends of said body arms, a winch, and a cable operatively interposed between said winch, and sheaves for raising said body about its pivot point.

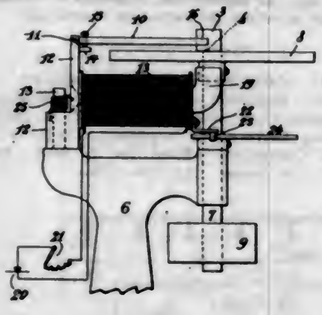
1,636,556. BED-SPRING CONSTRUCTION. BEN K. FORD, Oak Park, Ill., assignor to Union Bed and Spring Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 4, 1922. Serial No. 598,991. 5 Claims. (Cl. 5—209.)



1. In a bed-spring structure of the character described, the combination of a main-frame having a plurality of vertically-disposed slots and also having a plurality of cross-bars, a number of adjustable arms each slidingly accommodated in one of said slots, and a supporting-bar connecting the outer ends of said arms and designed to support the bed-spring frame by resting on a bedstead side-rail, the tops of said arms having a series of notches to receive those parts of the frame at the tops of said slots, whereby to hold the arms and supporting-bar in adjusted position, each of said arms at its inner end being bent laterally to provide means to bear on the corresponding cross-bar of the frame.

5. In a bed-spring structure of the character described, the combination of a bedspring frame having a side-bar, a slotted sheet-metal bracket secured to said side-bar and having lugs struck out of its body overlying and bearing on the top of said side-bar, an outstanding frame-supporting bar slidingly adjustable in said slot, and an upright spiral-spring mounted on said bracket.

1,636,557. POLISHING MACHINE. ROBERT G. GUTHRIE, Chicago, Ill. Filed July 28, 1926. Serial No. 125,386. 4 Claims. (Cl. 51—124.)



4. A polishing apparatus of the character described comprising in combination a work holder adapted to hold the work therein, a polishing disk, electromagnetic means for keeping the work in polishing contact with the said disk, non-magnetic means for positioning the work holder and work on the said disk, means for rotating the disk to polish the work and keep it in position in said non-magnetic means and means for automatically moving the work over said polishing disk during the polishing operation.

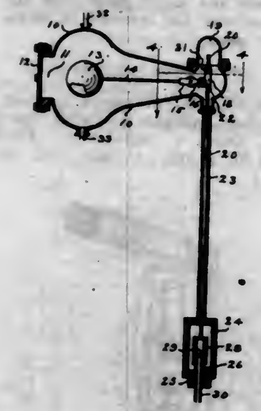
1,636,558. SAFETY-PIN HOLDER. ALBERT HAGEL, Bloomfield, N. J., assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Filed Sept. 18, 1926. Serial No. 136,371. 2 Claims. (Cl. 211—24.)



1. A safety pin holder comprising a support, a plurality of rods on said support, each rod being bent to form a plurality of horizontally extending differently directed sections and in such manner that one bend of a rod contacts with a second rod near the end thereof, the two in conjunction serving as a stop against undue displacement of pins on the rods.

1,636,559. BOILER WATER FEEDER. CHARLES B. HAINES, Indianapolis, Ind. Filed July 14, 1926. Serial No. 122,338. 1 Claim. (Cl. 137—101.)

In a boiler water feeder, a housing adapted to be mounted in relation to a boiler to encompass normal boiler water level fluctuations, a float within the housing, a pivoted bracket in the housing, a float rod secured to the bracket and carrying the float, a pipe of relatively small diameter depended from the housing, a valve chamber carried on the lower end of the pipe, a valve nozzle projecting upwardly into said chamber, a valve having a sleeve fitting around said nozzle as a guide, a valve disk carried within said valve adapted to close the end of said nozzle with the valve in its lowered position, said nozzle being connected to a water supply under pressure, a valve rod carrying said valve and extending through said pipe into said housing, a head carrying said valve rod and pivotally connected to said float rod bracket whereby said valve is lifted as said float drops, and means for adjusting the vertical position of the valve in relation to the float, said nozzle having recessed passages in its outer face to permit water to enter said valve chamber between said nozzle and said valve sleeve whereby all entering water is discharged upwardly into said float chamber.



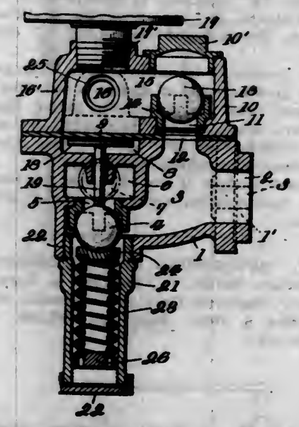
1,636,560. PORTABLE GRINDING TOOL. ERNEST A. HALL, Toledo, Ohio. Filed Mar. 5, 1924. Serial No. 696,924. 12 Claims. (Cl. 51—241.)



1. In a tool of the class described, a hollow inner shaft, a hollow outer shaft rotatable on said inner shaft, an abrading element rotatable with said outer shaft, a work engaging pilot member adapted to extend into an end of said inner shaft for centering the same with respect to the work, means for driving said outer shaft, and means for axially adjusting said outer shaft and abrading member toward or away from the work, said means including a part extending into the end of said inner shaft away from said pilot member, and adapted to engage said member.

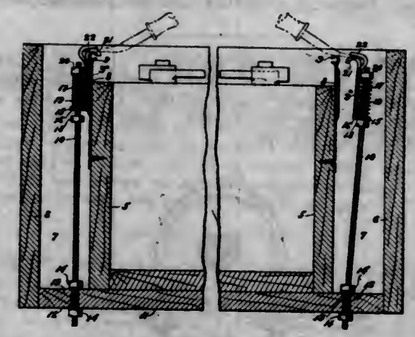
12. In a tool of the class described, inner and outer hollow shafts axially movable together and mounted one on the other for free relative rotary movements, an abrading element carried by the outer shaft at one end thereof, a work engaging pilot adapted to have work centering connection with one of said shafts, and means connecting the pilot and one of said shafts through the inner shaft and operable in cooperation with the pilot during a running of the outer shaft to effect a positive axial adjustment of the shafts and abrading element toward or away from the work, said means being manually adjustable from the opposite end of the outer shaft to that which carries the abrading element.

1,636,561. PRESSURE-CONTROL DEVICE. GEORGE EDGAR HAZARD, Rochester, N. Y., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Filed Dec. 8, 1926. Serial No. 153,296. 1 Claim. (Cl. 103—42.)



A pressure controlling device comprising a housing having upper and lower chambers substantially in a vertical line and a third chamber located to one side of said chambers and below the upper chamber, said third chamber having its lower portion in communication with the lower chamber and its upper portion in communication with the upper chamber, a downwardly closing valve controlling communication between the upper chamber and the third chamber and an upwardly spring actuated valve controlling the communication between the lower chamber and said third chamber, said upper and lower chambers having outlets, a diphragm in the upper chamber, a downwardly projecting member actuated by the diaphragm for unseating the valve controlling communication between the lower chamber and the third chamber, said third chamber having an inlet, whereby said device operates in the manner specified.

1,636,562. BATTERY CLAMP. HARRY J. HICK, Alliance, Ohio, assignor to The Hykon Manufacturing Company, Alliance, Ohio, a Corporation of Ohio. Filed Feb. 6, 1922. Serial No. 534,424. 1 Claim. (Cl. 180—685.)



A clamp for the handle bar of a battery box and the like, including a laterally movable member yieldingly mounted alongside the handle and having spaced in-

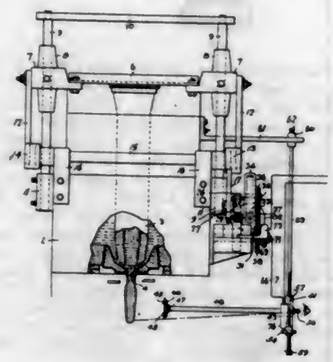
wardly extending hooks for engaging the bar and a separate inwardly extending tongue intermediate the hooks and adapted to be lifted by a tool bearing on the bar for engaging and disengaging the hooks.

1,636,563. PROCESS FOR MANUFACTURING YEAST FOAM MALTED MILK AND PRODUCT THEREOF. CHARLES B. HILL, Glencoe, and MAURICE H. GIVENS, Evanston, Ill., assignors to Northwestern Yeast Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1926. Serial No. 94,316. 7 Claims. (Cl. 99—11.)

1. The process of manufacturing a food product consisting in growing yeast in and on a nutritive medium of cereal flour treated with a malt cereal, then mashing the mixture, neutralizing if necessary, and subjecting it to high heat to stop yeast growth, fermentation, dissipate alcohol, and sterilize the product.

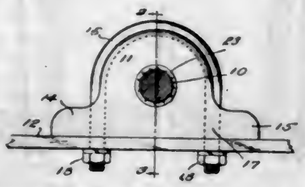
7. A food product of the character described, consisting of yeast-fermented-malt-treated-alcohol-free-gelatinized-cereals.

1,636,564. REGULATING GLASS FEEDERS. GEORGE E. HOWARD, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Mar. 8, 1924. Serial No. 697,805. 15 Claims. (Cl. 49—55.)



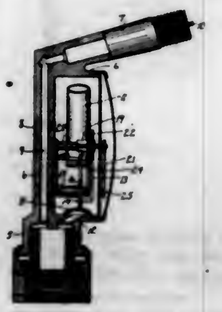
11. The combination with means for feeding gathers of glass, of apparatus for determining the character of said gathers comprising a gauge device past which said gathers are fed, an aperture through which said gauge device and gathers may be viewed, a shutter, and means intermittently actuated by the feeding means for actuating said shutter to alternately open and close said aperture.

1,636,565. BEARING MECHANISM. JAMES M. HOWE, Cleveland Heights, Ohio, assignor to The Murray Manufacturing Company, Cleveland, Ohio, a Corporation of Michigan. Filed Sept. 6, 1924. Serial No. 736,223. 4 Claims. (Cl. 308—72.)



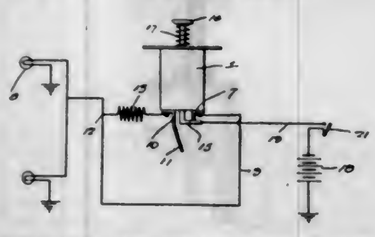
1. In combination a leaf spring for a vehicle, an axle and a sleeve bearing directly engaging the same to support it, and means for supporting the sleeve to allow a weaving movement between the spring and the axle, comprising a block of resilient material in which the sleeve is embedded, and means penetrating the block on either side of the sleeve and spaced apart from the sleeve by said resilient material and arranged to clamp the block flat against the spring.

1,636,566. AIR GAUGE. FREDERICK GODFREY JOHNSON, New Haven, Conn., assignor to Visible Tire Gauge Co., New Haven, Conn., a Corporation. Filed Aug. 5, 1925. Serial No. 48,190. 1 Claim. (Cl. 73—109.)



An air gauge, comprising a housing, a Bourdon tube mounted in the housing, a center arbor, a pinion mounted thereon, a rack meshing with said pinion, said rack provided with an integral central disk formed with a radial slot, and a wire soldered directly to and forming a rigid operative extension of the closed end of the Bourdon tube, and its outer end turned into said slot.

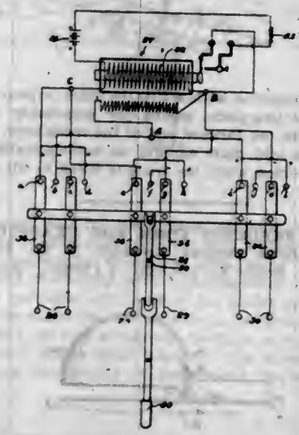
1,636,567. LIGHT ACCELERATOR OR SWITCH. ALEX M. KELSO, Murphysboro, Ill. Filed Nov. 10, 1925. Serial No. 68,135. 1 Claim. (Cl. 200—16.)



A switch of the class described comprising a block of insulated material having a longitudinal bore, a stationary contact secured on the bottom of the block on one side of the bore, a second stationary contact secured on the bottom of the block on the other side of the bore at a point diametrically opposite the first mentioned stationary contact, said second contact having a strip of spring metal depending therefrom and being slightly inclined downwardly in a direction toward the first mentioned contact, the free end portion of the strip being disposed over the bore of the block, a plunger adapted for vertical slidable movement through the bore, a lateral extension formed on the lower end of the plunger and providing a contact adapted for cooperation with the aforementioned contacts, a foot pedal on the upper end of the plunger, an expansible coil spring encircling the upper portion of the plunger disposed between the foot pedal and the upper end of the insulated block for normally holding the lateral extension on the lower end of the plunger in engagement wtih the first mentioned stationary contact, said lateral extension being adapted to

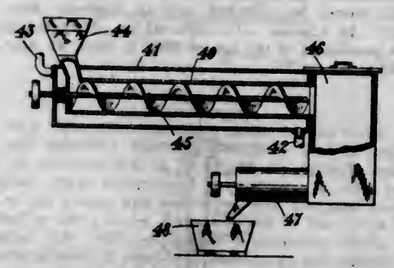
be moved out of engagement with the first mentioned stationary contact and into engagement with the depending spring strip of the second stationary contact when the foot pedal is depressed.

1,636,568. ELECTRICAL APPARATUS FOR TREATING NERVES, MUSCLES, AND BLOOD. JAMES W. KENNEDY, Canton, Ohio. Filed May 29, 1924. Serial No. 716,746. 7 Claims. (Cl. 174—87.)



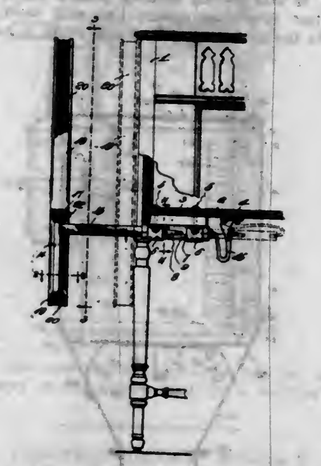
1. Electrical apparatus for treating the human system, comprising limb receiving tanks, means secured to said tanks for enclosing portions of the body, means for supplying hot water to said tanks, electric terminals on each of said tanks, the limbs of the patient serving to complete the circuit between said terminals, and means for reversing the current passing through said portions of the body.

1,636,569. TREATMENT OF CEREAL SUBSTANCES. DOUGLAS WILLIAM KENT-JONES and CHARLES WOODLAND CHITTY, Dover, England, assignors to Woodlands Limited, Charlton Green, Dover, England, a British Company. Original application filed Sept. 3, 1924, Serial No. 735,628, and in Great Britain Dec. 9, 1923. Divided and this application filed Nov. 5, 1925. Serial No. 66,993. 6 Claims. (Cl. 99—10.)



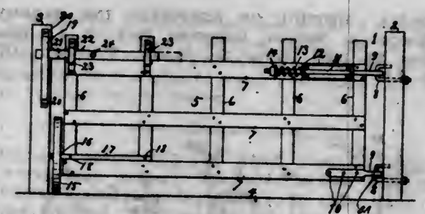
1. A continuous process for the treatment of wheat flour so as to improve its baking qualities which consists in introducing it into a closed conduit raising the temperature of the walls of the conduit so that the flour becomes heated to a temperature lying in the region of 120 to 230 degrees Fahrenheit and feeding the flour through the conduit at such a rate that it will be maintained in the conduit at the required temperature for a time long enough to impart to it a substantial increase in strength but not so long as to render the contained gluten non-retainable in a washing test as described.

1,636,570. RADIO RECEIVING APPARATUS. FREDERICK A. KOLSTER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed June 24, 1926. Serial No. 118,247. 3 Claims. (Cl. 250—14.)



1. In a radio receiving apparatus including a radio cabinet, the combination of a tubular sleeve member supported with respect to said cabinet, a slidable tubular member carried by said sleeve member and a loop antenna pivotally mounted on one end of said slidable tubular member whereby connections between said radio cabinet and said loop antenna may be established by conductors passing through said tubular member.

1,636,571. GATE. LEO LIEPOLD, Heron Lake, Minn. Filed Apr. 3, 1926. Serial No. 99,517. 2 Claims. (Cl. 39—96.)

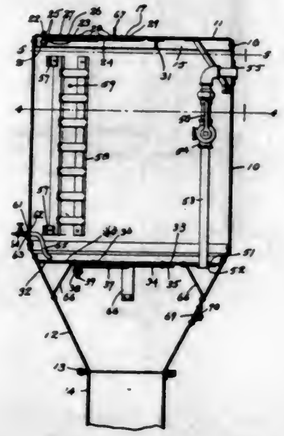


1. A device of the kind described, comprising two fixed gate posts, a gate having one end hinged to one of the posts by hinges having a vertical play, the swinging end of the gate having an arm projecting beyond it and a ground wheel rotatable on said arm, and a spring at the hinged end of the gate arranged to further support the gate that the wheel will not be unduly worked into the ground, and means on the wheel-supported end of the gate and on the other post for latching the gate.

1,636,572. AIR LOCK. JOHN H. MURPHY and ELSTON A. LOTZ, St. Louis, Mo. Filed Aug. 28, 1925. Serial No. 52,972. 4 Claims. (Cl. 61—83.)

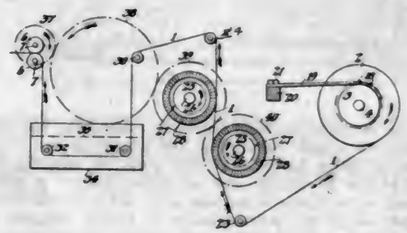
1. An air lock comprising a cylindrical member, a top having a circular opening eccentrically located therein secured to one end of said cylindrical member, a one piece air tight closure for said circular opening, said closure and the top each provided with a semicircular passage through which a cable is adapted to pass, said open-

ings being located in the center of the top, a second member secured to the opposite end of said cylindrical member, a deck provided with a central opening located in said second member, a one piece air tight closure for said last mentioned opening, a shaft projecting through one wall of said second member, hinges rigidly secured to said last mentioned closure and said shaft, a lever secured to the projecting end of said shaft, a rod having



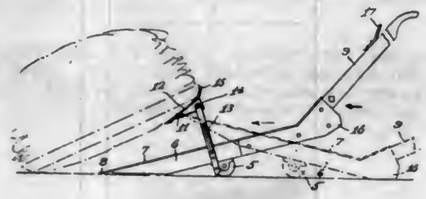
a bifurcated end secured to said lever and projecting upwardly therefrom so that said closure can be opened and closed from the top of said air lock, a guide-loop carried by the top of said cylindrical member, a hardened wear plate surrounding the semi-circular opening in the top, and a hardened wear plate surrounding the semi-circular opening in the edge of the first mentioned closure.

1,636,573. METHOD OF RENEWING INK RIBBON. SAMUEL A. NEIDICH, Edgewater Park, N. J. Filed June 23, 1925. Serial No. 39,159. 7 Claims. (Cl. 8—8.)



1. The method of renewing used ink ribbon, formed of textile fabric impregnated with dried ink; which consists in progressing such inked ribbon, in one direction, while dry, between rollers provided with card clothing, including stiff wire papillæ; while beating and brushing said fabric in the opposite direction, by rotating said rollers, and thus loosening the dried ink in the fabric and reforming a nap upon each side of said fabric; progressing said fabric through an ink solvent, including carbon tetrachloride; thus dissolving such loosened ink from the fabric; and then expressing such solvent and solute from said fabric, by wringing the latter between opposed rotary rollers.

1,636,574. HAND-TRUCK ATTACHMENT. HOWARD M. PERRY, Clarksville, Tenn. Filed Sept. 20, 1926. Serial No. 136,531. 8 Claims. (Cl. 214—1.)



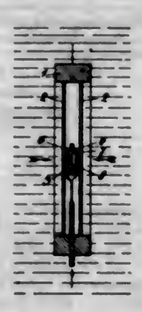
1. In combination with a tiltable truck, a prop embodying a supporting-plate, means for detachably engaging the plate with the forward end of the truck-body, and legs connected to said plate adapted to automatically assume propping position when the truck is tilted to tilt the load.

1,636,575. SKELETON FORM FOR HEADPIECES OF FURS. JACOB PEITZER, Brooklyn, N. Y. Filed Nov. 26, 1926. Serial No. 150,833. 4 Claims. (Cl. 2—65.)



1. In a device of the class described, a base, a projection of said base on which to form the snout of the animal, a resilient cup having a flattened portion at the front which forms the head of the animal, and means for attaching the said cup to the base of the structure, the said means consisting of a cross rib attached to said base adjacent the inside of the front wall of said cup, a staple attached to said base and having upright members provided with hooks embedded in said cup, the front of said cup being supported between the said cross member and the uprights of said staples.

1,636,576. SOUND-DIRECTION FINDER. WILHELM RUDOLPH, Kiel, and ALARD DU BOIS-REYMOND, Plon, near Kiel, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Feb. 4, 1921. Serial No. 442,584, and in Germany May 29, 1915. 18 Claims. (Cl. 180—01.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



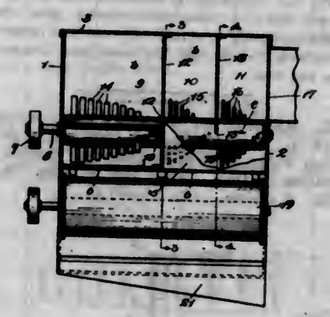
7. A sound signal receiving apparatus having a portion possessed of such a small amount of inertia that this portion is responsive to the movement of the particles of the sound propagating medium, and is so arranged in the medium that the pressure fluctuations acting on it are balanced.

1,636,577. ROTARY CUTTING TOOL. CARL G. SCHULLER, Brecksville, Ohio. Filed June 28, 1926. Serial No. 118,940. 8 Claims. (Cl. 32—10.)



1. A rotary tool for the purpose specified comprising a shaft and a head having a central body portion and blades extending outwardly therefrom, each being rounded at its end and contacting with a perimetrical line at substantially one point only, each of the blades being twisted along a non-radial line to provide a concavity extending substantially entirely across the blade in such manner as to guide and deflect chips inwardly from such perimetrical line and backwardly in the general direction of the shaft.

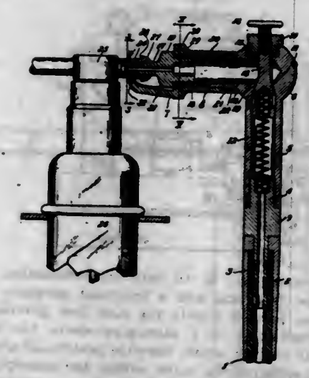
1,636,578. THRASHING MACHINE. FRANK G. TERRY, Salinas, Calif. Filed Oct. 1, 1925. Serial No. 59,966. 2 Claims. (Cl. 130—27.)



1. In a thrashing machine, a casing having a top, bottom and upwardly diverging side-walls, and having an inlet at one end and an outlet at the opposite end, a rotatable drum extending longitudinally in the lower part of the casing and having spirally arranged beaters adapted to carry straw from the inlet to the outlet, the diverging side walls extending considerably above the drum to provide a relatively large space into which the straw may be tossed by the beaters and in which the grain may separate from the straw, and a transverse partition in the casing extending below the drum and having an opening above the drum.

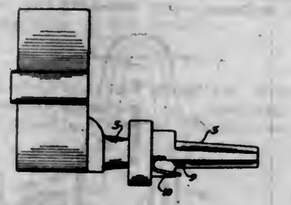
1,636,579. HOSE COUPLING. HENRY E. WEBER, Canton, Ohio. Filed Feb. 10, 1921. Serial No. 443,946. 6 Claims. (Cl. 285—180.)

1. A coupling including two separable members, a head on one member having an axial socket therein and a concentric periphery, a shank on the other member for inserting into the socket, and an eccentrically mounted
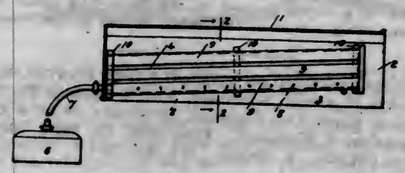


sleeve on said other member having an arm for clamping the periphery of the tubular head by a rotation of the sleeve.

1,636,580. FUSE-PLUG HOLDER. WILLIAM W. WEIDA, Massillon, Ohio. Filed Oct. 12, 1925. Serial No. 62,004. 2 Claims. (Cl. 200—133.)



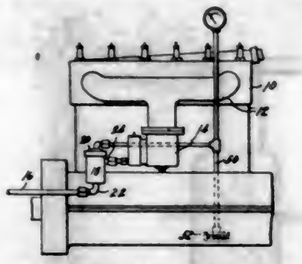
1. A fuse box for outside use upon a pole, a fuse plug arranged to be normally received within the box and means upon the exterior of the fuse box for temporarily supporting the fuse plug to permit a workman upon the pole to make repairs thereon.

1,636,581. MOIST-HOT-AIR BATH. PERCY ROBERTS WILDE, Bath, England. Filed Mar. 5, 1926, Serial No. 92,533, and in Great Britain Mar. 17, 1925. Renewed Apr. 25, 1927. 2 Claims. (Cl. 4—165.)



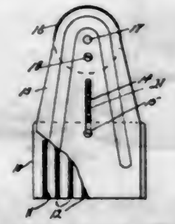
1. In a portable vapor bath, a frame channel-shaped in cross-section and having converging sides and being open at its bottom and at its larger end and adapted to be stood over the limb of a patient, inclined receptacles for steam secured at the sides of the frame and provided with perforations in their inner sides, and means for supplying steam to and draining off water from the said receptacles connected to their lower ends, said lower ends being arranged at the smaller and closed end of the frame.

1,636,582. FUEL-FEED-CONTROL MECHANISM. LEON A. WITTER, Lakewood, Ohio. Filed Aug. 19, 1926. Serial No. 130,187. 4 Claims. (Cl. 123—196.)



1. The combination in an internal combustion engine having a fuel feed line and a lubricant pressure line, a fuel container located within the feed line provided with an inlet terminating in a standpipe above the floor of the container and an outlet likewise positioned above the floor of the container, a valve within the standpipe held yieldingly upwardly to close the fuel passageway therethrough, said valve having a stem extending above the standpipe, a diaphragm positioned within the container above the standpipe open on one side to lubricant pressure and provided with a part engaging the stem of said valve to depress the same to open the valve.

1,636,583. VEGETABLE SLICER. NIELS K. AHL, Philadelphia, Pa. Filed Sept. 1, 1925. Serial No. 53,813. 3 Claims. (Cl. 146—210.)



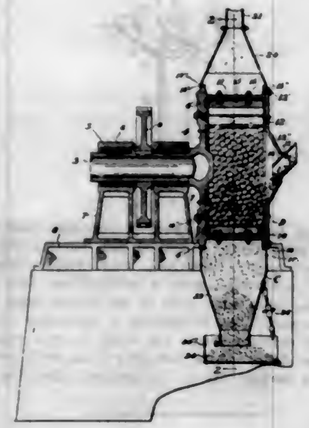
1. A slicer comprising two side plates, the lower edges of which terminate in knives; cross knives secured to said plates in such manner as to space the latter apart; a block fitted to slide between said plates, said block having slots therein in which the cross knives are adapted to move vertically, said slots forming bars for stripping both sides of all the cross knives; screws passing through slots formed in the plates; said screws being secured in the block and serving to limit the sliding movements of the plates; a handle secured between the upper ends of said plates; and a coil spring, the lower end of which is seated in a recess formed in the block, the upper end thereof being seated in the recess formed in the handle.

1,636,584. METHOD OF MAKING PAPER CONTAINERS. JAMES E. ANNEN, Milwaukee, Wis., assignor to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 21, 1923. Serial No. 664,022. 5 Claims. (Cl. 93—36.)



1. The method of forming a closure retaining seat on a paper container, which comprises rolling the edge of the container over to form a loose roll and then pressing on the upwardly and inwardly extending portion of the roll to reverse the curvature of such portion and form it into an upstanding portion and an inwardly projecting portion adapted to receive a closure.

1,636,585. BALL MILL. WILLIAM M. BARKER, Canton, Ohio. Filed Oct. 13, 1924. Serial No. 743,219. 16 Claims. (Cl. 83—9.)



1. A ball mill including a rotatable drum having opposite drum heads, a sole and relatively short supporting trunnion on one drum head, and a sole bearing bracket for the trunnion, a material inlet orifice in the other drum head, a removable blower case about the drum, communicating openings between the drum and the case, a material outlet for the case, and a separate air outlet for the case.

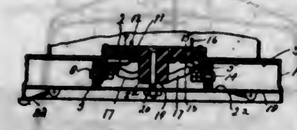
1,636,586. METHOD OF MAKING INSULATOR CAPS. HERMAN L. BARNES, Canton, Ohio, assignor to The American Forge & Machine Company, Canton, Ohio, a Corporation of Ohio. Filed Dec. 2, 1926. Serial No. 152,232. 8 Claims. (Cl. 78—81.)



1. The method of making an insulator cap or the like, which includes forming by forging means a cup having a tubular wall, and inwardly pressing the tubular wall to form a dome socket.

1,636,587. ELECTRIC-CORD REEL. FREDERICK BUDDENDORF, Philadelphia, Pa. Filed July 10, 1925. Serial No. 42,692. 3 Claims. (Cl. 173—367.)

1. In an electric cord reel of the character described, a hollow base, an insulating block secured to said base, said block having a hub projecting into the base, a reel mounted within the base upon and adapted to revolve concentric with the hub, two insulating sections carried by the reel, contact strips secured to the insulating sections, contact rings secured upon the insulating block, each of said strips contacting with one of said rings, a



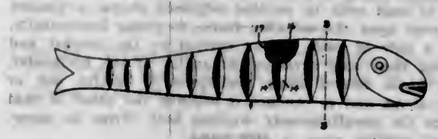
parallel wire cord having each of the wires thereof connected with one of the contact strips, said cord being so positioned as to be wound upon or unwound from the reel when the latter is revolved, and means for manually revolving the reel.

1,636,588. STEERING-GEAR STABILIZER. JOHN F. CAVANAGH, Providence, R. I., assignor to Apco Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 8, 1926. Serial No. 134,250. 5 Claims. (Cl. 280—89.)



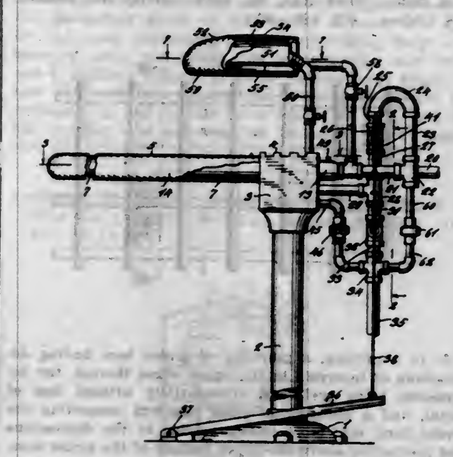
1. In a device of the type specified the combination of an arm adapted for insertion through the forked end of the tie-rod of an automobile steering-gear to bear against the end of the steering-arm connected thereto, a second arm pivoted to the first arm and adapted to bear against the front axle of the automobile, and a spring connected at opposite ends to the arms.

1,636,589. METHOD OF MAKING JOINTED TOYS. SALVATORE COLLEDANCHISE, Boston, Mass. Filed Oct. 12, 1926. Serial No. 141,093. 1 Claim. (Cl. 18—59.)



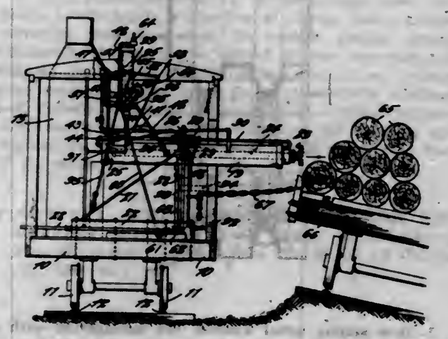
That improvement in the method of making a jointed toy, which consists in forming in separable molds, from a hard-drying plastic mixture composed of comminuted material and an adhesive, two rows of body sections, each section being independent of the others, the molds being formed to impart diverging end faces and rounded external faces to the sections, interposing between the molds an elongated strip of open mesh fabric, pressing the molds against opposite sides of the strip while the mixture is plastic, thereby causing the inner faces of the sections to enter and fill the spaces bounded by the meshes of the fabric, and meet within said spaces, and allowing the sections to solidify and become rigid by drying, thereby causing them to adhere to and become integral with each other within the meshes of the fabric strip, the sections having rigid external surfaces adapted to support surface ornamentation.

1,636,590. DRY-STEAM SLEEVE-FINISHING BOARD. IRWIN W. COX, Denver, Colo. Filed Nov. 26, 1926. Serial No. 150,846. 16 Claims. (Cl. 68—9.)



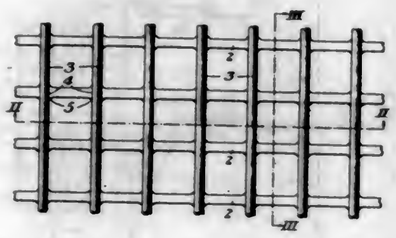
1. A steam sleeve finishing board comprising an arm consisting of an elongated member having three parallel chambers, one of which is located intermediate the other two, the two outside chambers being connected at one end, the top wall of the central chamber being perforated and connected to the walls of the outside chambers so as to form with the latter a convex surface and means for conducting steam to said chambers.

1,636,591. LOG-UNLOADING MACHINE. MILLARD FILLMORE CRAWFORD, Natalbany, La. Filed Sept. 7, 1926. Serial No. 134,041. 3 Claims. (Cl. 214—44.)



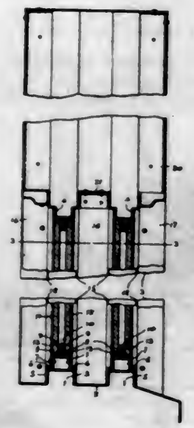
1. In a log unloading machine, a ram cylinder, means for pivotally supporting the ram cylinder intermediate its ends but at a point toward its rear end whereby to normally urge the rear end of the ram cylinder to extend upwardly, a tilting cylinder mounted above the rear end of the ram cylinder and having a piston rod projecting downwardly toward the ram cylinder, a yoke member pivotally mounted between the cylinders and having one end pivotally connected to said piston rod for urging the end of the yoke against the upper side of the ram cylinder, a spring wear plate carried upon the upper side of the ram cylinder beneath the yoke for receiving impact thereof and absorbing shock incident to the pounding of the piston rod, and means for controlling admission of fluid under pressure to the tilting cylinder.

1,636,592. GRATING. CHARLES B. CUSHWA, Youngstown, Ohio, assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio, a Corporation of Ohio. Filed Apr. 26, 1926. Serial No. 104,657. 8 Claims. (Cl. 189—82.)



1. In a grating, a plurality of girder bars having depressions at intervals in the upper edges thereof, the depressions being preformed substantially without loss of metal, and a plurality of cross members connecting the girder bars, said cross members lying in the depressions and protruding above the upper surface of the girder bars.

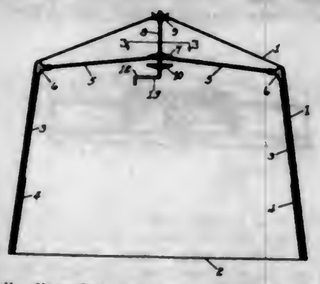
1,636,593. SLIDING METAL WINDOW. JOHN EDWIN DENNIS, London, Ontario, Canada. Filed Dec. 6, 1926. Serial No. 152,991. 7 Claims. (Cl. 189—72.)



1. In a sliding metal window, the combination with a frame having an inwardly projecting rib, of a sash formed of a pair of metal strips having inner parallel flanges secured together and outer flanges spaced apart in parallel offset relation to said inner parallel flanges and forming shoulders therebetween, said outer flanges engaging the sides of said frame ribs in sliding contact, and a glass beded in the shoulder between the offset flanges.

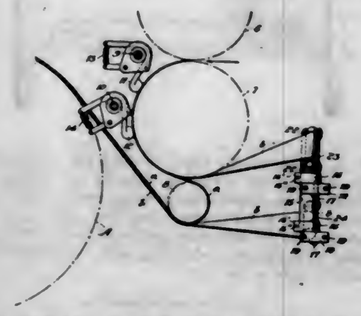
1,636,594. TENT. GEORGE I. DICKEY, Toledo, Ohio. Filed Feb. 4, 1924. Serial No. 690,380. 7 Claims. (Cl. 135—4.)

6. In a tent, a distending means having parts extending inwardly from the corners of the tent and hingedly jointed together in the central part of the tent, a threaded rotatable member located intermediate the top and the joint for forcing the joint downwards and the top upwards and distending the corners, a member connected to the threaded rotatable member for supporting the parts



temporarily distended, a means connected to the threaded means for temporarily supporting the distending means in the top of the tent.

1,636,595. APPARATUS FOR AND PROCESS OF MAKING TIRES. HAROLD F. DUMBLETON, Cleveland, Ohio, assignor to The Republic Rubber Corporation, Youngstown, Ohio, a Corporation of Ohio. Filed Oct. 20, 1920. Serial No. 418,275. 10 Claims. (Cl. 154—9.)



1. In a machine for forming solid resilient tires, the combination with calendering rolls and means for rotatably supporting a tire band arranged adjacent thereto and having its axis substantially parallel to the axes of said rolls, of means for cutting calendered stock from one of said rolls in parallel adjacent strips, a bracket mounted upon the calender frame to swing horizontally, and a pair of guide rollers carried by the bracket and having their axes arranged at angles to the horizontal, said guide rollers being positioned to receive one of said strips and to conduct it beneath the other of said strips for simultaneously winding both strips in superposed relation upon a tire band.

1,636,596. PROCESS OF MAKING SULPHUR PHENOL RESIN. CARLETON ELLIS, Montclair, N. J. Filed Dec. 30, 1922. Serial No. 610,042. 8 Claims. (Cl. 260—20.)

1. A process of making a resinous product which comprises heating a mixture containing substantially more than three atoms of sulphur, with one molecule of a phenolic body and an alkaline catalyst, to a temperature of at least 165° C.

1,636,597. FUEL BURNER. CARL FISCHER and ALEXANDER SIMONET, West Homestead, Pa. Filed Jan. 17, 1925, Serial No. 3,113. Renewed Mar. 24, 1927. 5 Claims. (Cl. 158—11.)

5. A fuel burner comprising a casing having a nozzle and an enlarged portion at the inner end thereof, said enlarged portion being formed with an inner wall having

tangential openings through the same, spaced apart collars formed on the inner and outer walls at the inner end of said casing, a member having a cylindrical portion extending through said collars into the nozzle with an enlarged portion beyond the inner end of the casing to provide a receiving chamber open at its outer end, and a member comprising a closure for said opening and a tube



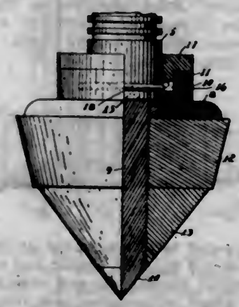
extending through the receiving chamber and cylinder, angularly disposed vanes carried by the closure and located within the receiving chamber, a hollow conical cap at the outer end of the tube with tangential openings through the sides thereof, and angularly disposed vanes carried by the conical cap and disposed at the outer end of the aforementioned cylinder.

1,636,598. TOOTHPICK HOLDER. WALTER F. GAGE, Smith, Nev. Filed Oct. 4, 1926. Serial No. 139,460. 2 Claims. (Cl. 206—21.)



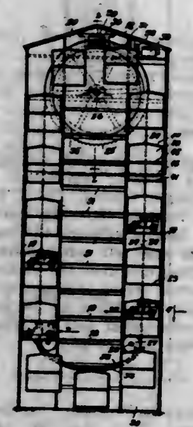
1. A tooth pick holder of the character described comprising a base having a standard, a bracket adjustably connected with said standard, a tooth pick container having a dispensing opening for emitting a portion of a tooth pick singly in successive order, and means on the base in position relative to the opening to limit the exposure of a tooth pick when projected from the container.

1,636,599. HYDRANT. PAUL P. GARBARINO, San Jose, Calif. Filed Jan. 16, 1926. Serial No. 81,712. 2 Claims. (Cl. 251—25.)



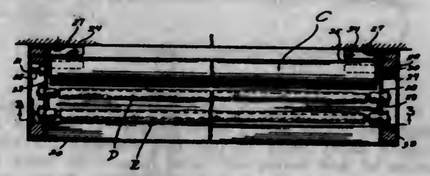
1. A valve comprising a carrier element provided with an externally threaded pin mounted thereon in axial alignment therewith and having an upstanding annular flange formed thereon on the side opposite to said pin, a resilient ring mounted on said pin, a nut mounted on said pin to engage said ring, a stem having a laterally extending flange formed on one end and insertible within the upstanding flange on said carrier element, a closure for the space surrounded by said upstanding flange and mounted upon said flange and encompassing said stem, and a resilient element inserted between said flange on said stem and said closure, the outer peripheries of the resilient ring and the nut being conical in form, and the pin carrying said nut and ring having a conical shaped end.

1,636,600. GARAGE. ERNST GEIGER, Irvington, N. J. Filed Feb. 18, 1926. Serial No. 89,231. 2 Claims. (Cl. 214—16.1.)



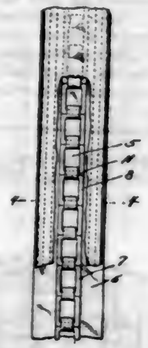
1. In a garage structure, a central storage space vertically subdivided in a plurality of storage floors, endless conveyors running around the central storage spaces, automobile storage cabins carried by the conveyors and adapted to be aligned with either side of any storage floor, certain of said lower floors constituting receiving and delivery floors for incoming and outgoing automobiles, and inclined runways connecting the receiving and delivery floors to a common driveway at the ground floor of the structure.

1,636,601. COMBINED CURTAIN, SHADE, AND DRAPERY SUPPORT. ALEX GIVENS, St. Petersburg, Fla. Filed Dec. 9, 1925. Serial No. 74,357. 5 Claims. (Cl. 156—23.)



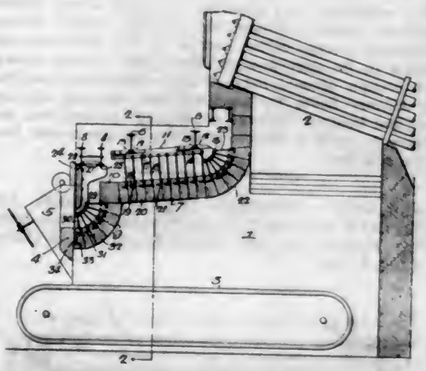
2. In a support for curtain fixtures, a frame including hollow terminally disposed heads having aligned sockets provided in the confronting faces thereof for yieldably receiving the ends of said fixtures, and guides extending longitudinally of the under side of the frame and secured at their ends to said heads below the sockets for said fixtures.

1,636,602. BELT. JAMES T. GRIFFIN, Winder, Ga., assignor of forty per cent to Fletcher C. Graddick and thirty-five per cent to Henry C. Hargrove, Winder, Ga. Filed June 11, 1925. Serial No. 36,507. 4 Claims. (Cl. 74—65.)



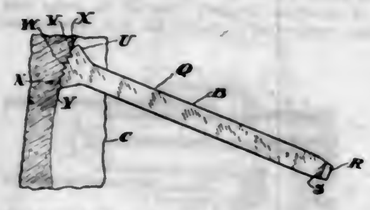
1. A belt of the class specified, comprising a base element, a backing element extending fully thereover throughout the length thereof, and a single interposed endless link belt retained centrally and loosely and extending the full length between the base and backing elements, the said link belt being prevented from moving laterally in either direction, the backing element being formed with a central bulged enclosing means for the link belt throughout the full length of the complete belt and permitting the endless link belt to move longitudinally within the enclosure thus formed.

1,636,603. FURNACE ARCH. LYNFORD HAMILTON, Philadelphia, Pa. Filed Dec. 31, 1923. Serial No. 683,810. 2 Claims. (Cl. 110—99.)



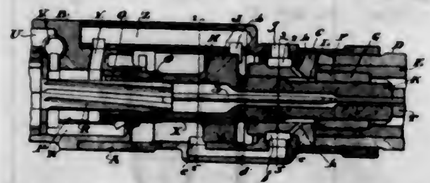
1. The combination in a furnace, of two overhead transverse beams having lower flanges; a series of detachable bars; hooks on said bars engaging the lower flanges of said beams, one hook of each set being detachable, each bar having a longitudinal flange, said flange having a beveled upper surface; a series of bricks forming the body of the arch, said bricks being spaced a considerable distance from the bars so that they can be removed without removing the bars, each brick having a recess and a hole in one side; and long hooks having undercut heads engaging the flanges of the bars and having arms extending into the holes in the bricks, the body of the hooks being located in the recesses in the bricks.

1,636,604. CHANNELER STEEL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 17, 1926. Serial No. 109,494. 5 Claims. (Cl. 262—33.)



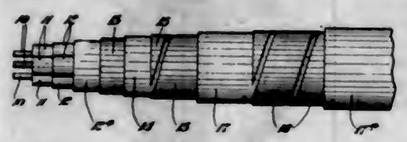
1. A channeler steel comprising a body portion having a head at one end and a convexly arcuate cutting bit at the other end, teeth extending across the face of the cutting bit, and means adjacent the outer teeth to prevent the teeth from engaging a rock face when the steel is being oscillated from one position to another.

1,636,605. ROCK DRILL. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 28, 1926. Serial No. 138,247. 1 Claim. (Cl. 121—13.)



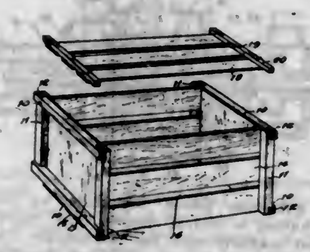
In a fluid actuated rock drill, the combination of a cylinder having an exhaust port, a hammer piston in the cylinder controlling the exhaust port, a fluted extension on the hammer piston, a front cylinder washer forming a closure for the front end of the cylinder and having a bore to slidably receive the extension, said front cylinder washer having an external annular groove, a passage in the cylinder to convey exhaust fluid from the exhaust port to the annular groove for cooling the front end of the cylinder, an exhaust passage in the cylinder for conveying such exhaust fluid from the annular groove to the atmosphere, and passages leading from the annular groove to the bore to convey pressure fluid and entrained lubricant to the fluted extension or lubricating movable elements forwardly of the cylinder.

1,636,606. ARMORED CABLE. ALEXANDER O. HOEFTMANN, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Jan. 31, 1924. Serial No. 689,695. 1 Claim. (Cl. 173—266.)



A flexible armored cable comprising at least one conductor, a lead sheath mounted around and enclosing said conductor, a fibrous covering for said sheath, a non-magnetic metallic armor surrounding said fibrous covering, said armor comprising inner and outer helically wound zinc strips, and a continuous layer of jute between said inner and outer zinc strips adapted to relieve and cushion a blow or compression on the inner strip when such blow or compression is exerted on the outer strip, said outer zinc strip being staggered with respect to said inner zinc strip so as to overlap the helical joint formed by the abutting edges of said inner strip, and a waterproof covering enclosing said armor.

1,636,607. CRATE. JOHN SEYMOUR HORTON, Milford, Del. Filed Mar. 30, 1923. Serial No. 628,879. 1 Claim. (Cl. 217—3.6.)



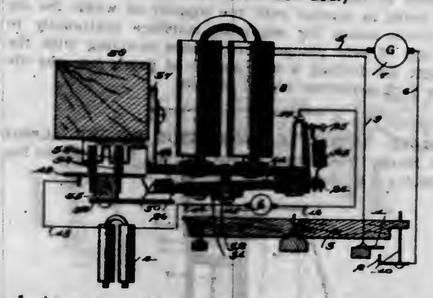
A crate comprising a pair of end frames, longitudinal slats between said end frames providing the side and bottom walls of the crate, the bottom slats extending the entire length of the crate, a top for said crate comprising longitudinal slats extending the entire length of the crate, said top slats connected in rigid relation by transverse cleats secured to the upper face of the slats at their ends, transverse cleats secured to the bottom face of the bottom wall adjacent each end, said bottom cleats being set back from their respective ends a distance equal to the width of the top transverse cleats, the end frames being substantially equal in thickness to the combined width of the said top and bottom cleats at their respective ends, whereby the crates may be stacked in superposed spaced relation and the weight of the superposed crates supported entirely within the plane of the end frames.

1,636,608. SALES RACK. FRANK C. KENYON, Jr., Philadelphia, and FRANK R. GOODELL, Strafford, Pa., assignors to Congoleum-Nairn, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 1, 1924. Serial No. 740,981. 3 Claims. (Cl. 211—14.)



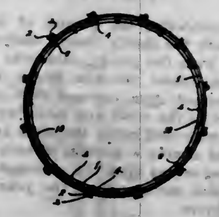
1. The combination in a sales rack, of a frame having a vertical back section and an open front, said frame having a base with an inclined bottom plate, the bottom plate being inclined towards the rear, the outer edges of rolls vertically located in the rack resting upon the inclined bottom plate, so that the tendency of the rolls will be to rest against the back of the structure.

1,636,609. ELECTROMAGNETIC RELAY. AUGUST A. KLANN, Waynesboro, Va. Filed July 24, 1925. Serial No. 45,898. 7 Claims. (Cl. 200—104.)



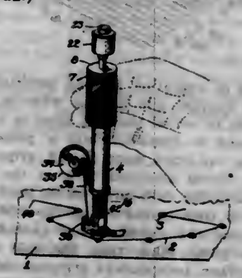
1. An organ relay having a plurality of contacts, a movable armature, a contactor which is slotted along one edge to provide a plurality of fingers existing integrally with said contactor which are engageable with the contacts, a clamp plate applicable to the armature and to the contactor along the edge opposite to said fingers, and means including screws by which the clamp plate is tightened upon the contactor to hold it in place.

1,636,610. WELL CRIB. WILLIAM VANCE MCCLURE, Elva, Manitoba, Canada. Filed June 24, 1925. Serial No. 39,326. 1 Claim. (Cl. 166—4.)



A circular well crib comprising a plurality of similar, interchangeable, metallic staves concentrically arranged, each stave having one of the vertical edges thereof provided with an outstanding laterally disposed tongue and the other of the vertical edges thereof provided with a vertical extending channel complementary to the tongue and adapted to receive the tongue of the adjoining stave and lengthwise extending keeper plates permanently secured to the inner sides of the channel carrying edges of the staves and overlying the inner faces of the adjacent tongue carrying edges of the staves.

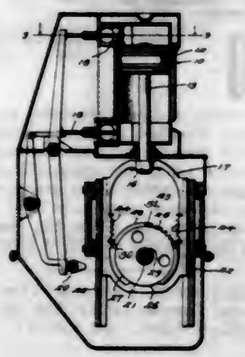
1,636,611. PASTER CUTTING AND APPLYING MACHINE. FREDERICK T. MCGLYNN, Jamaica, N. Y. Filed Sept. 15, 1926. Serial No. 135,618. 15 Claims. (Cl. 216—22.)



1. A paster cutting and applying apparatus comprising a body, a die connected with the body at the lower end, a reciprocating plunger co-acting with said die, said

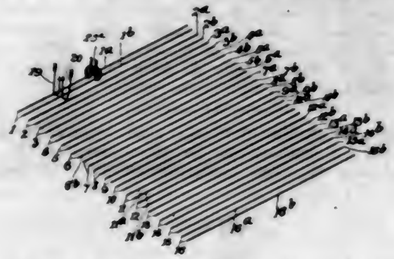
plunger acting as a co-acting die with the parts arranged to cut a small section from a piece of paper mounted in the die and force the same through the die to a point in contact with the support on which the die is placed, means for supplying moisture continually to the end of said plunger, and means co-acting with the plunger for feeding a new supply of paper into the die upon each actuation of the plunger.

1,636,612. INTERNAL-COMBUSTION ENGINE. LEROY H. NOAH, Palco, Kans. Filed Apr. 24, 1926. Serial No. 104,414. 5 Claims. (Cl. 74—14.)



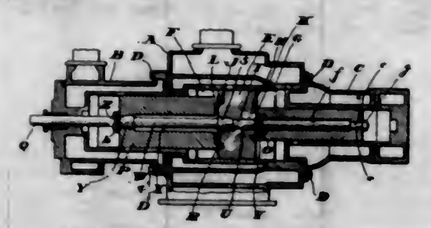
1. Means for connecting the pistons of internal combustion engines with the shafts thereof comprising a yoke rigidly connected with the piston, said yoke being in the form of an open frame through which the shaft is directed, racks formed upon opposed sides of the frame and a disk secured to the shaft and including a segmental gear for coaction with said racks, the racks and gear being out of engagement during a portion of each cycle of the piston and coacting means upon the yoke and disk for preventing longitudinal movement of the yoke during said portion of each cycle.

1,636,613. PRODUCTION OF KNOTTED-PILE FABRICS. FRANCIS HERBERT OLDROYD, Radcliffe, England. Filed May 5, 1927, Serial No. 189,064, and in Great Britain Oct. 20, 1925. 4 Claims. (Cl. 139—4.)



1. A method of operation for the mechanical knotting of the pile of knotted pile fabrics, wherein, of the pair of warp threads to which the tuft piece is to be knotted, one warp thread is displaced into a plane other than that containing the other warp thread, gripping means is inserted in a lateral direction between the said threads prior to gripping the tuft piece to be inserted, the first named thread is then moved out of the said plane into a second plane and the second named thread is then displaced into a plane other than the said second plane, whereupon another, independent gripping means is passed laterally between the threads prior to gripping the tuft piece to be inserted and finally the tuft piece is gripped separately at two different places by the two gripping means and the gripping means are both withdrawn by return movement from between the said pair of yarn threads and then caused to release the tuft piece.

1,636,614. PISTON ASSEMBLY. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 4, 1926. Serial No. 127,055. 3 Claims. (Cl. 74—108.)



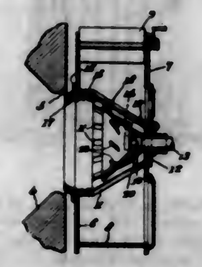
1. An adjustable piston, comprising an intermediate member having a central tapered bore, outer members interlocked coaxially with the intermediate member and having tapered bores in one end, a rod extending through the members, said rod being flexible to permit the outer members to incline from the longitudinal axis of the intermediate member, tapered portions on the rod to cooperate with the tapered bores for limiting endwise movement of the members in one direction with respect to each other, and nuts on the rod for preventing relative longitudinal movement between the members in the opposite direction.

1,636,615. SURGICAL NEEDLE AND METHOD OF MAKING IT. EVERETT A. QUINT, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey. Filed Mar. 18, 1926. Serial No. 95,637. 4 Claims. (Cl. 128—339.)



1. A method for quantity production of surgical needles characterized by their uniformity and substantial freedom from fatigue, which consists in subjecting bar stock to a metal displacing operation regulated as to depth so as to leave bridging bar stock free from mechanical strains and stresses while forming a groove which merges at each end, without abruptness, in full section bar stock, dividing the stock transversely of the groove area, tempering and pointing the divided stock, and annealing the burs formed by the displaced metal.

1,636,616. BURNER CONE. CHARLES SCHEUERMANN, Mobile, Ala. Filed Sept. 25, 1926. Serial No. 137,708. 3 Claims. (Cl. 158—1.5.)



1. A burner construction comprising an outer slotted cone, a burner therewithin, and an inner slotted cone within the outer cone and about the burner, said inner

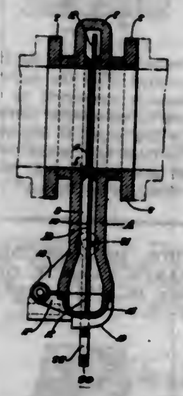
cone having end openings therein for receiving air through the slots of the outer cone, and the inner cone flaring toward the outer cone to restrict the passage between the cones.

1,636,617. ANCHOR. CHARLES BENJIMAN SCOTT, Hanover, N. H. Filed Oct. 5, 1926. Serial No. 139,695. 3 Claims. (Cl. 189—02.)



1. An anchor of the class described comprising a rod, a plate freely slidable thereon, arms pivotally engaged with the peripheral portion of the plate, each of said arms having a tail extension extending inwardly of the plate, and a second plate carried by the rod below the first named plate and tail extensions for contact with such extensions to swing the arms outwardly into working position.

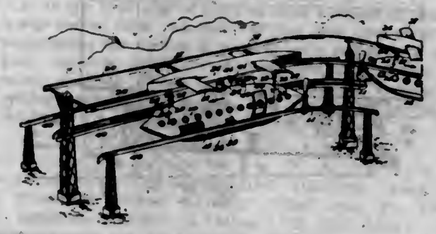
1,636,618. VALVE. PAUL D. WRIGHT, Wilkinsburg, Pa. Filed Nov. 20, 1920, Serial No. 425,529. Renewed Nov. 24, 1925. 3 Claims. (Cl. 251—51.)



1. A valve comprising a hollow valve body having a guide slot formed therein, a closed hollow integral projection formed on its one side and communicating with said slot, a second hollow integral projection on the opposite side of said valve body and provided with an open outer end, said projection being of considerably greater length than said first mentioned projection, a cover hinged to said second projection and adapted to close the open end thereof, means for locking said cover in place, and a slidable gate adapted to fit within said valve body and have its ends enclosed in said projections, said gate being substantially rectangular in shape and having a solid cut-off portion and an open passage portion, and said projections being adapted to completely house the portions of said gate projecting beyond the valve body.

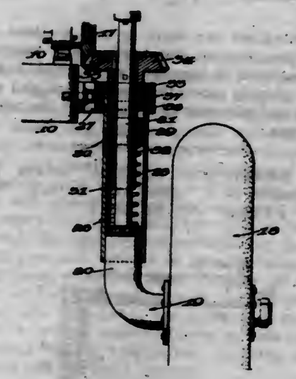
1,636,619. AERIAL RAILWAY. FLOYD PAUL ARCHER, Wilkes-Barre, Pa. Filed Feb. 11, 1926. Serial No. 87,666. 5 Claims. (Cl. 104—23.)

2. An aerial vehicle of the type described, having supporting wheels in line thereabove including a central wheel and end wheels, a support connecting the vehicle with the central wheel and with respect to which the



vehicle is rotatable, and detachable connections between the vehicle and the end wheels permitting endwise reversal of the vehicle with respect to the central wheel.

1,636,620. VEHICLE LEVELING DEVICE. HIRAM NEWTON BERRY, Greenville, Miss., assignor of one-third to Hugh A. Gamble, Greenville, Miss. Original application filed May 23, 1925, Serial No. 32,986. Divided and this application filed Jan. 14, 1926. Serial No. 81,340. 3 Claims. (Cl. 180—41.)

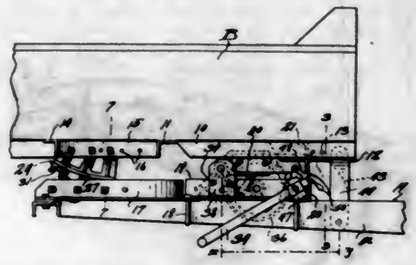


1. In an apparatus of the character described, a frame, wheel supporting uprights having vertically adjustable connection with the frame at their upper portions and having lower angular extensions, wheels rotatable on said extensions, power actuated rotatable members on each upright with respect to which the latter is rotatable, and a non-rotatable member around each upright and shiftable lengthwise thereof, having threaded connection with the said power actuated rotatable member, and a spring compressed between a portion of each upright and of said non-rotatable member thereof.

1,636,621. POWER-ELEVATED DUMPING TRUCK. PERRY A. BRICK, Galion, Ohio, assignor to The National Grave Vault Co., Galion, Ohio, a Corporation of Ohio. Filed Mar. 4, 1926. Serial No. 92,870. 2 Claims. (Cl. 298—10.)

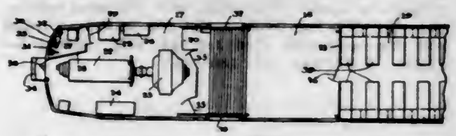
1. A dumping truck including a chassis and a body, oppositely disposed rockers mounted on the body, each having an arcuate series of recesses in its under face,

and the chassis having a series of members with which said recesses coact and mesh, one of said recesses being



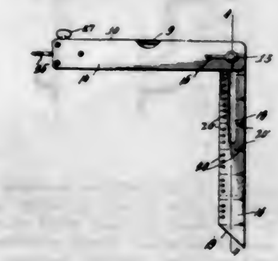
approximately elliptical through which the corresponding member passes to thereby limit the tilting movement of the body and rockers upon the chassis.

1,636,622. ARTICULATED CAR. CHARLES E. BROOKS, Montreal, Quebec, Canada, assignor to Canadian National Railways, Montreal, Canada. Filed Nov. 6, 1926. Serial No. 146,710. 7 Claims. (Cl. 105—4.)



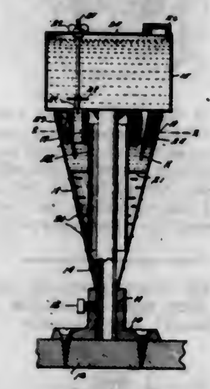
1. An articulated car built in two sections mounted on three bogies, one of said bogies being positioned between and adapted to support the adjacent ends of the sections, an electric generating unit at one end of one of the sections and car controlling means at the remote ends of the sections.

1,636,623. BEVEL AND SQUARE. FRANK P. CASH, Winston-Salem, N. C. Filed Aug. 4, 1921. Serial No. 489,732. 1 Claim. (Cl. 33—102.)



In an instrument of the class described, a body of general rectangular form having two parallel sides, the remaining sides of said body being parallel each to each at the ends of the body and inclined toward each other from one of the parallel end portions to the other whereby the body has ends forming rectangular parallelepipeds and a central portion of rectangular cross section, the narrower end of the rectangular portion being of less width than the adjacent parallelepipedal portion to provide a pair of shoulders adjacent the last mentioned parallelepipedal portion, cover plates, each cover plate being secured at one end to said body and closely engaging the last mentioned parallel portion, said cover plates being spaced from the rectangular portion and the remaining end of the body, a pivot bolt extending through the other ends of said cover plates and the last mentioned end of the body, clamp nuts threaded on the ends of said bolts to draw the cover plates toward said body, slotted blades normally positioned between the cover plates and body and having the bolt extending through the slots thereof, said blades being movable out of the spaces between the cover plates and body to assume angular relations with respect to the body, said blades being normally flat but capable of the deflection to enter said spaces, and stop plates carried by the body adjacent said bolt.

1,636,624. HOG OILER. ELMER R. CLEMENTS, Riverton, Nebr. Filed June 22, 1926. Serial No. 117,816. 8 Claims. (Cl. 119—157.)



1. A hog oiler comprising a base having an upstanding support, a tank mounted upon the upper end of the support, a casing disposed concentric to the support and oscillatably mounted in connection therewith, the casing having an oil receiving space in its upper end and receiving oil from the tank, and means for causing the discharge of oil from said space onto the exterior of the casing when the casing is oscillated.

1,636,625. METHOD OF STARTING AND TRANSPLANTING PLANTS. JAMES W. CONRAD, Rockbridge, Ohio. Filed May 11, 1926. Serial No. 108,317. 1 Claim. (Cl. 47—37.)

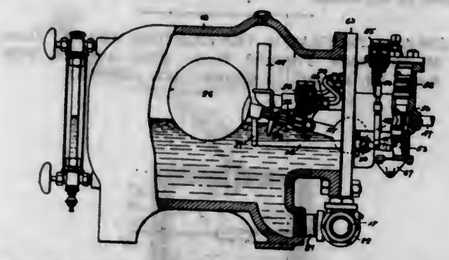


The method of growing and transplanting plants consisting in disposing upon a separate sod a frustro-conical shell or rim with its small end upward, filling the shell with earth and planting seeds therein, allowing the plant to grow to suitable size, then moving the rim with the sod to the permanent bed, lifting the rim to thereby dislodge its attachment to the earth and filling earth around the cone of earth left by removing the rim.

1,636,626. RETURN TRAP. ERIC LORNE CORTIS-STANFORD, Birmingham, Mich., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Oct. 17, 1925. Serial No. 63,119. 8 Claims. (Cl. 137—103.)

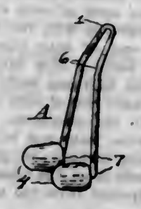
1. A return trap comprising a float chamber, a pivoted float therein, a pivoted weight lever, a float-operated trip for releasing the weight lever on the rise of the float, a

piston-operated slide valve controlling the admission of pressure to the float chamber, a valve controlling the admission of pressure to the piston cylinder, and an



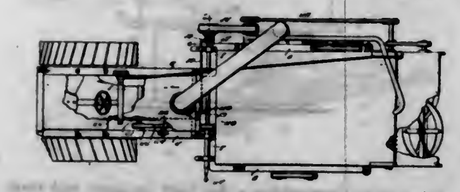
operating connection between the weight lever and piston cylinder admission valve for opening the latter on the fall of the weight lever.

1,636,627. COMBINATION BROOM AND DOOR HOLDER. ROBERT J. CRAVEN, Battle Creek, Mich. Filed July 6, 1925. Serial No. 41,813. 1 Claim. (Cl. 292—343.)



A broom and door holder comprising a spring wire bent to form a loop having two substantially equal side members with outwardly extending parallel arranged offset ends, said ends being corrugated or roughened and fitted with resilient rubber knobs, substantially as set forth.

1,636,628. ATTACHMENT FOR TRACTORS. ROSS E. CURTIS, Lincoln, Kans. Original application filed Nov. 17, 1922, Serial No. 601,561. Divided and this application filed Mar. 9, 1925. Serial No. 14,210. 2 Claims. (Cl. 180—1.)

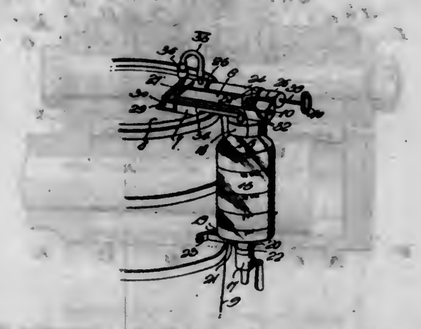


1. An attachment for tractors comprising a frame having side bars to extend longitudinally of a tractor and having portions adapted to be secured at opposite sides of the tractor and portions to extend forwardly therefrom, said side bars having the portions to extend forwardly from the tractor offset transversely of their other portions and connected therewith by transversely extending portions, a counter shaft extending across said frame, bearings for said shaft carried by the first-mentioned portions of said side bars adjacent their forward ends, other bearings carried by the transversely extending portions of said side bars and projecting rearwardly therefrom and engaged with said shaft, means for transmitting rotary motion to said shaft from a tractor, and means for transmitting rotary motion from said shaft to apparatus to be driven therefrom.

1,636,629. FACING OR PRESERVATION OF WALLS AND OTHER SURFACES. JOHN WILSON DOUGAL, Edinburgh, Scotland. Filed June 4, 1927, Serial No. 196,627, and in Great Britain Dec. 21, 1925. 3 Claims. (Cl. 91—68.)

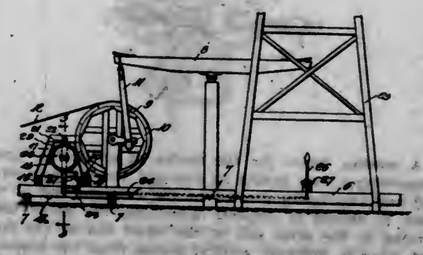
1. In the treatment of walls or other surfaces of cement work, stone, brick, concrete, or the like, the steps of maintaining the surface in a damp state sufficient to promote complete hydration of a hydraulically setting cement, spraying a dry cementitious powder capable of setting hydraulically thereon, and applying a hardening solution of a soluble silicate to said surface.

1,636,630. LIQUID-DISPENSING DEVICE. JOHN E. FREEBERG, Sarles, N. Dak. Filed June 10, 1926, Serial No. 115,037. 2 Claims. (Cl. 221—111.)



1. A liquid dispensing means comprising a horizontally elongated body having a downwardly projecting boss at one end adapted to rest upon the head of a reservoir, means for detachably securing said body to the reservoir, a liquid conducting tube connected with said body and projecting downwardly therefrom for reception in the reservoir, said body having a longitudinal port which communicates with said tube, a dispensing container secured to and projecting from the outer end of said body, said container having a discharge valve at its lower end, valve means for placing said container in communication with said port and tube or in communication only with the atmosphere, a suction pump cylinder extending longitudinally of and mounted on said body, a valve suction line from said cylinder to the interior of the dispensing container, a suction creating piston in said cylinder, and an operating rod for said piston extending to the front end thereof and having a handle.

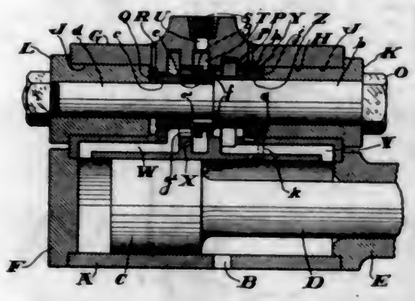
1,636,631. WELL-DRILLING RIG. GEORGE P. GEPHART, Peabody, Kans. Filed Sept. 18, 1926. Serial No. 136,330. 3 Claims. (Cl. 255—11.)



1. In a well drilling rig, a sand reel having a driving wheel co-operable with the usual band wheel, means mounting said sand reel for movement toward and from

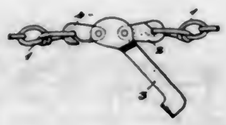
the band wheel, including a swing lever, a brake drum on the sand reel, a brake band passing around said brake drum, and contracting means for said brake band connecting the latter with said swing lever, said contracting means being operable by said swing lever to apply the brake to any desired extent when said lever is moved to disengage the reel driving wheel from the band wheel.

1,636,632. VALVE FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 18, 1926. Serial No. 149,137. 2 Claims. (Cl. 121—19.)



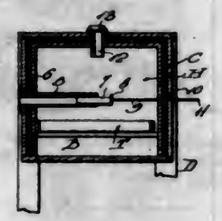
1. In a fluid actuated rock drill, the combination of a cylinder having a free exhaust port, a hammer piston in the cylinder, a valve chest having a chamber with a reduced bore at one end, inlet passages leading from the chamber to the cylinder, a distributing valve in the chamber having a central head and an end head of the same diameter, an actuating face on one end of the valve intermittently exposed to live pressure fluid for throwing the valve in one direction, the opposite end of the valve being constantly exposed to atmospheric pressure, a holding face of smaller area than the actuating face constantly exposed to live pressure fluid for holding the valve in thrown position, an opposed actuating and holding face on the central head intermittently exposed to air compressed by the piston for throwing the valve and intermittently exposed to live pressure fluid flowing to one end of the cylinder for holding the valve.

1,636,633. TENSOR SYSTEM. ADALBERTO GUALTERIO HARTUNG, Buenos Aires, Argentina. Filed July 10, 1925. Serial No. 42,780. 1 Claim. (Cl. 24—68.)



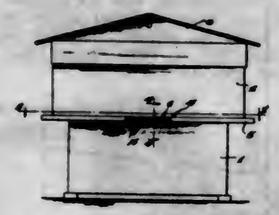
A tension device for the chains of automobile tyres, comprising a lever having an enlarged and laterally offset end and two hooks pivoted to the enlarged end of the lever to extend in opposite directions, the hooks being pivoted to the same side of the offset end of the lever and lying in different vertical planes from the plane of the body of the lever, the other end of the lever having a rigid lateral hook extending in the same direction as the enlarged offset end of the lever, said hook being adapted to rest upon the chain and extend down the side of the same at a point remote from the engagement of the pivoted hook with the chain and secure the said lever to the chain.

1,636,634. INCUBATOR VENTILATING MEANS. DAVID M. HOLBROOK, Portland, Oreg. Filed Aug. 26, 1926. Serial No. 131,707. 3 Claims. (Cl. 119—35.)



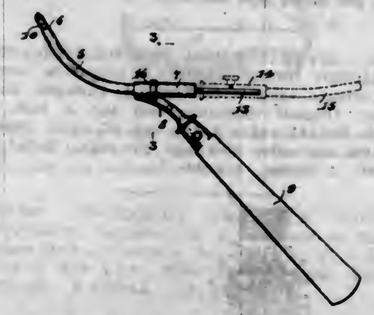
1. In an incubator ventilating means, a tube projecting from one wall of the incubator into the interior of the latter, said tube being open at both ends and having its outer end in communication with the atmosphere, a slide engaging the inner end of said tube and transversely curved into channel form, a disk carried by the end of said slide remote from said one wall, said disk being of a size to close said inner end of said tube when the slide is inwardly forced to the maximum, and a rod coaxial with the aforesaid tube, said rod being connected with said slide and passing through an opening in the wall of the incubator remote from the aforesaid wall, whereby said slide may be adjusted from the exterior of the incubator.

1,636,635. BEE ESCAPE. HARVEY A. HOLMES, Elyria, Ohio. Filed Dec. 18, 1925. Serial No. 76,248. 1 Claim. (Cl. 6—4.)



A bee escape comprising a flat body member, end members extending upwardly from the opposite ends thereof and provided with outstanding attaching flanges adapting the escape to be supported and secured within a recess formed in the edge of the closure board of a bee hive, a rod fitted at its ends through the forward upper corner portions of the end members with its said ends projecting beneath the said flanges, the rod extending between the said end members in a vertical plane spaced inwardly with respect to the vertical plane occupied by the forward edge of the body member, and a plurality of baffle members freely pivotally fitted at their upper ends to and suspended from the said rod, the said baffle members being tapered from their upper to their lower ends and resting with their lower end portions in contact with and projecting slightly below the said forward edge of the body member.

1,636,636. SURGICAL INSTRUMENT. WILLIAM S. HUMBLE, Riverside, Calif. Filed Jan. 20, 1927. Serial No. 162,376. 3 Claims. (Cl. 128—305.)



1. In an antrum drill and cleaner, a curved tube having an enlarged barrel at one end and opened at its opposite end, a handle connected with said barrel, and a drilling element removably insertable through the barrel and into the tube to have its drilling tip exposed through the open end of said tube.

1,636,637. COMBINATION TOOL. THOMAS SETZER HUTCHISON, Chicago, Ill. Filed July 31, 1926. Serial No. 126,324. 5 Claims. (Cl. 33—107.)



1. In an implement of the class described, two rulers having scales thereon, each ruler being provided with a longitudinal slot, a clamping thumb screw cooperating with the slots to set the rulers in a desired relative position, said thumb screw having a centering hole therethrough, and one of the rulers having a diamond shaped opening adjacent one end.

1,636,638. LOAD BINDER. FLOYD A. JENKINS, Olden, Tex. Filed Feb. 16, 1927. Serial No. 168,733. 3 Claims. (Cl. 24—68.)



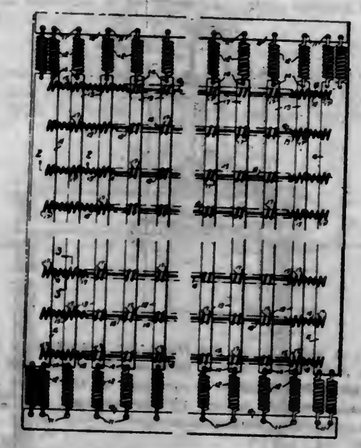
1. A load binder comprising a pair of shackles, one of which is provided with one or more retaining notches, a lever, a portion of which is curved, pins passing through the shackle ends and the lever substantially where the curved and straight portions of the lever join, and means whereby to engage one or more of the heads of one of the pins in the retaining notches.

1,636,639. BRACELET. PERCIVAL W. JONES, Warwick, R. I., assignor to Rosenheim Co. Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 26, 1927. Serial No. 178,676. 9 Claims. (Cl. 59—79.)

1. An extendible chain structure comprising a series of units, each comprising a box link and a slide link mounted therein for limited relative movement, a pin mounted in said slide link for endways movement with its ends extending into the walls of the next adjacent box link and detachable therefrom by such endways movement, and means carried by said slide link for retaining said pin in the different positions to which it is moved.

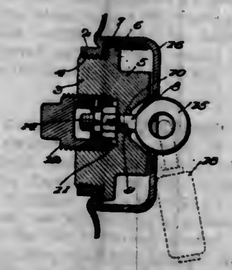


1,636,640. FABRIC. FREDERICK L. KUNKEL, Milwaukee, Wis. Filed Apr. 9, 1926. Serial No. 100,876. 2 Claims. (Cl. 245—11.)



1. A bed-bottom fabric comprising a series of longitudinal load-sustaining straps, transverse helical springs intersecting said straps, said straps having diagonal slots formed therein for receiving convolutions of said springs, and a wire projected lengthwise through each spring for retaining said convolutions within said slots.

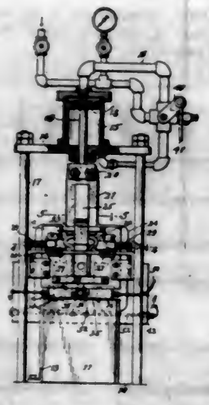
1,636,641. BUNG-PLUG LOCK. BEN F. LEWIS, Olga, Fla. Filed May 7, 1925. Serial No. 28,672. 1 Claim. (Cl. 220—39.)



In combination with a drum having a bung plug threaded thereinto, a bolt having a shank slidably and rotatably fitted in an opening in the bung plug, the bung plug having an opening receiving the shank and having a cavity into which the shank projects, a nut threaded on the portion of the shank lying within the cavity of the plug and leaving the shank free to move axially relative

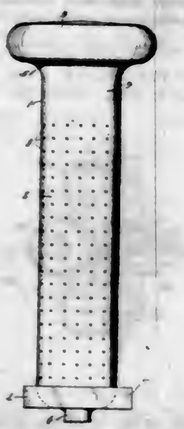
to the plug for swivelling the shank to the plug, said bolt having an eye at its outer end, a bell enclosing the plug and having an opening through which the eye projects, the bell being rotatable relative to the plug, and a lock engageable with the eye of the bolt for holding the bell against removal while leaving the same free to rotate, said cavity opening to the inner face of the plug, and a small plug for closing the cavity.

1,636,642. HANDLE-INSERTING MACHINE. HENRY WEBB LORMOR, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Dec. 31, 1923. Serial No. 683,843. 9 Claims. (Cl. 29—84.)



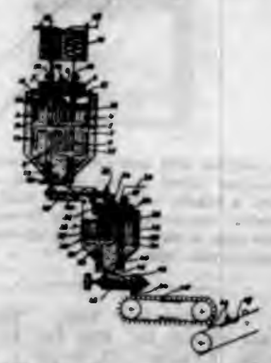
3. In a machine of the character described, a handle setting plunger for driving handles into boxes, and means for guiding the handles to openings in the boxes as the handles are being moved by the plunger, the guiding means comprising slides.

1,636,643. GAS BURNER FOR HEATING PURPOSES. LUIGI MORABITO, Port Chester, N. Y. Filed Sept. 29, 1926. Serial No. 138,441. 4 Claims. (Cl. 158—99.)



1. A gas burner comprising a tubular body portion provided with spaced rows of circumferentially extending openings, a solid, heat radiating head integral with one end of said body portion and of greater diameter than the latter, and a chambered base of greater diameter than and integral with the other end of said body portion, the chamber of the base opening into the body portion, and said base having a nipple extended therefrom adapted to couple a gas supply pipe therewith.

1,636,644. APPARATUS FOR THE SOLIDIFICATION OF LIQUID HYDROCARBONS. HIPPOLYTE NEVEU, Paris, France, assignor to Ysabel de Paniagua, Paris, France. Original application filed Apr. 3, 1922, Serial No. 549,141, and in France Jan. 27, 1922. Divided and this application filed Sept. 27, 1924. Serial No. 740,346. 2 Claims. (Cl. 44—7.)



1. An apparatus for the continuous solidification of hydrocarbon liquids comprising a receptacle wherein suitable mixing arms mounted upon a vertical shaft are provided with conduits for the admission of hydrocarbon liquid and of an emulsifier, whilst other mixing arms mounted upon another vertical shaft are provided with conduits admitting the hardening substance into the emulsified mass.

1,636,645. AMUSEMENT DEVICE. ICHIRO NODA, Brooklyn, N. Y. Filed Apr. 2, 1927. Serial No. 180,515. 2 Claims. (Cl. 273—102.)



1. An amusement apparatus, including frangible targets adapted to be broken by projectiles, a target-supporting panel having a padded covering on the opposite faces, from which faces the targets are supported, and a wall having an opening in which the panel is supported for turning movement to selectively expose either of said opposite faces toward the participants.

1,636,646. EXTENSION DEVICE FOR FLEXIBLE BRACELETS. CHARLES H. PATTEN, Providence, R. I., assignor to Rex Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Dec. 11, 1926. Serial No. 154,117. 3 Claims. (Cl. 24—71.)

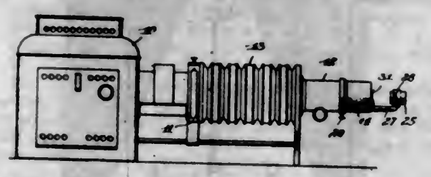
1. An extension device for a flexible bracelet comprising a pair of sheet metal sections, each having a slot adjacent one end and hingedly connected together at their

opposite ends, integral lateral projections extending from one of said sections and formations on the other of said



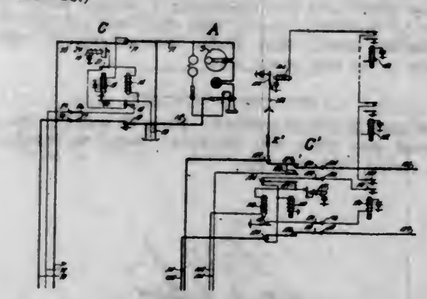
sections to snap behind said lateral projections by resiliency in a longitudinal direction of one of said sections and retain the sections in closed position.

1,636,647. PROJECTION APPARATUS. WILLIAM L. PATTERSON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 18, 1924. Serial No. 687,103. 8 Claims. (Cl. 88—24.)



3. The combination with a projection lantern having an objective lens barrel, of a projection microscope adapted for cooperation with said lantern, and a device for detachably securing said microscope on said lens barrel.

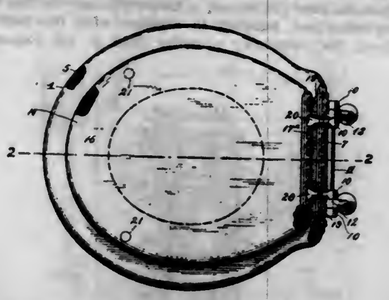
1,636,648. MULTIOFFICE AUTOMATIC TELEPHONE SYSTEM. ARTHUR J. RAY, Chicago, Ill., assignor to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 2, 1923, Serial No. 616,476. Renewed Dec. 13, 1926. 10 Claims. (Cl. 179—18.)



4. In a telephone system, a main exchange and a plurality of branch exchanges, a switching selector repeater in one of said branch exchanges for extending local or outgoing calls, means in said selector repeater for preliminarily routing all calls via the main exchange, means in said selector repeater for switching local calls or calls to another branch exchange over routes by-passing the main exchange when digit combinations are called which exclude the main exchange, and means for preventing false switching operations due to the calling of digit combinations made up of one or more digits in each of two switching digit combinations.

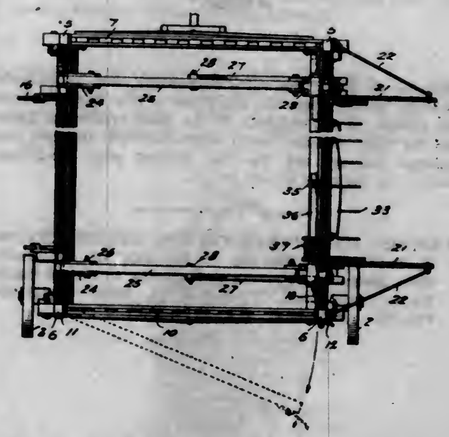
1,636,649. WATER-CLOSET STRUCTURE. ERNEST RICHARDSON, Beaver Falls, Pa. Filed Oct. 11, 1924. Serial No. 742,988. 5 Claims. (Cl. 4—234.)

1. A water closet element comprising a hollow metal body provided at its rear end with an opening leading to the interior thereof, in combination with a hinge structure clamped to the marginal edges of said opening said hinge structure comprising a supporting element located within the hollow metal body, and the opening in



the rear end of said body being of sufficient size to permit the insertion of the hinge supporting element into the interior of the hollow metal body.

1,636,650. COMBINED GRAIN AND HAY STACKER. JOSEPH SCHRAG, Jr., Mound Ridge, Kans. Filed Dec. 27, 1926. Serial No. 157,156. 2 Claims. (Cl. 214—9.)

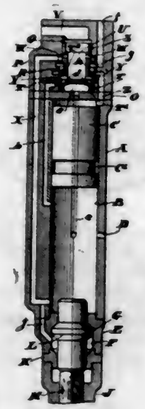


1. In a device of the class described, a vehicle provided with a box-like rack open at the top and bottom, the rack comprising fixed sides, a front wall, a movable rear gate, movable sides mounted for swinging movement below the fixed sides, means for holding the gate releasably in closed position, means for holding the movable sides in adjusted positions, and means for dumping material within the box-like rack, over one of the fixed sides.

1,636,651. VALVE FOR PNEUMATIC TOOLS. WILLIAM A. SMITH, Jr., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 5, 1926. Serial No. 146,394. 1 Claim. (Cl. 121—27.)

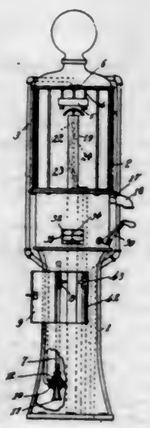
A pneumatic tool comprising a cylinder having a free exhaust port for the front end thereof, a piston in the cylinder controlling the free exhaust port, said piston having a neck, a valve chest having a valve chamber, supply passages leading from the valve chamber to the ends of the cylinder, a valve chamber having a recess in constant communication with the atmosphere, a head on one end of the valve having opposed actuating surfaces and an expansion chamber, said head also having radial ports, the rearward actuating surface being constantly exposed to pressure fluid for throwing the valve

forwardly, ports in the valve to register with the supply passages for exhausting pressure fluid from the ends of the cylinder into the recess, a kicker passage leading from the cylinder and adapted to register with the ports in the head for admitting pressure fluid to the expansion



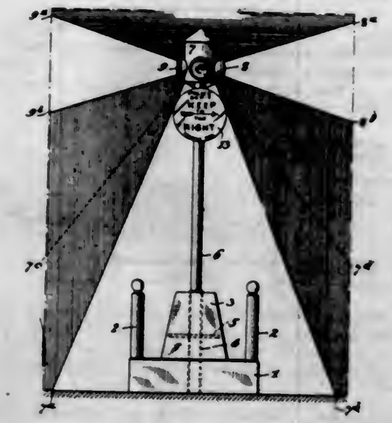
chamber to throw the valve rearwardly, and an exhaust passage leading from the front end of the valve chamber to a point in the cylinder in the same transverse plane as the free exhaust port, communication between the exhaust passage and the free exhaust port being controlled by the neck of the piston.

1,636,652. GASOLINE-DISPENSING DEVICE. WALTER E. SPLAIN and HOWARD L. STACKHOUSE, Cincinnati, Ohio, assignors, by mesne assignments, to United States Pump Corporation. Filed Jan. 21, 1924. Serial No. 687,412. 3 Claims. (Cl. 221—100.)



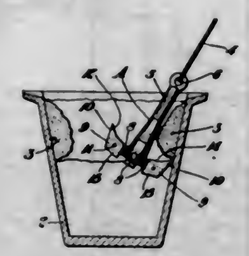
1. A gasoline dispensing device having a gravity dispensing tank, a pipe in said tank, a sleeve, said pipe and sleeve concentric with each other, and one having a spiral slot and the other a straight slot opening into the tank, and means for revolving said sleeve, said sleeve having communication with a delivery pipe and means for filling the said tank with liquid.

1,636,653. TRAFFIC LIGHT. ELMER M. VAN BUREN, Bronxville, N. Y. Filed Mar. 4, 1924. Serial No. 696,723. 8 Claims. (Cl. 177—329.)



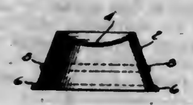
8. In a traffic signal device, a post, and means supported above said post comprising a unitary source of light for throwing a cone of light about said post and for projecting lateral light beams substantially at right angles to the axis of the post.

1,636,654. SCULLING HOOK. PAUL D. WRIGHT, Edgewood, Pa. Filed Nov. 15, 1926. Serial No. 148,510. 2 Claims. (Cl. 294—82.)



1. A sculling hook comprising a shank, at least three radially disposed arms formed integral with said shank and having substantially the same cross-section throughout their length, hook-shaped point members provided with a hollow sleeve-like body portion adapted to slip loosely over said arms, and pins for removably securing said point members on said arms.

1,636,655. GOLF TEE. PHILIP E. YOUNG, Fairhaven, Mass., assignor to Acushnet Process Company, a Corporation of Massachusetts. Filed Mar. 23, 1927. Serial No. 177,496. 2 Claims. (Cl. 273—38.)



1. A golf tee in the form of a truncated cone of rubber with side walls of a thickness about one-twentieth of the total diameter, a very thin concave top to distribute strain to the sides and a strengthening bead about the base.

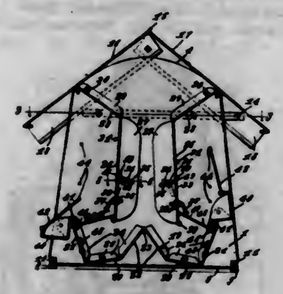
1,636,656. WELDING COPPER AND ALUMINUM. JAMES V. CAPICOTTO, Brooklyn, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a Corporation of Delaware. Filed June 10, 1924. Serial No. 719,119. 1 Claim. (Cl. 219—10.)

The method of uniting copper and aluminum, which consists in coating the copper with solder, bringing the aluminum in contact with the coated copper and then spot welding the parts of the two metals in contact with each other, to join them together.

1,636,657. MAKING MALLEABLE-IRON CASTINGS. HARRY A. SCHWARTZ, Cleveland Heights, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 5, 1923, Serial No. 617,163. Renewed Dec. 7, 1926. 6 Claims. (Cl. 148—3.)

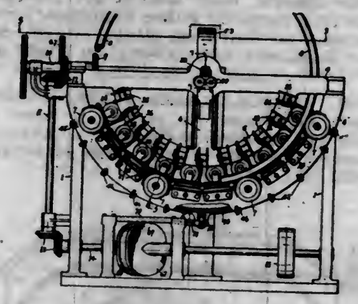
1. The process of making malleable iron castings containing an inappreciable percentage of silicon which comprises adding a graphitization accelerator to the iron, casting the metal without precipitating a substantial proportion of the carbon, annealing the casting and thereby precipitating the carbon, in the form of small particles.

1,636,658. ADJUSTABLE FEEDER. HAROLD S. SPRICHER, Urbana, Ind., assignor to The Cyclone Manufacturing Company, Urbana, Ind. Filed Aug. 5, 1926. Serial No. 127,315. 21 Claims. (Cl. 119—53.)



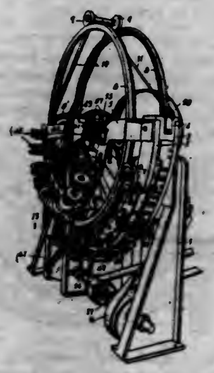
1. A poultry feeder comprising a housing, a feed pan arranged therein at the lower portion thereof and enclosed thereby, means within said housing for regulating the flow of feed to said pan, and a grate hinged at its outer side against the inner face of the outer wall of the pan and adapted to be arranged over the feed therein and further adapted to have its inner side slidably abut against said means.

1,636,659. BRAIDING MACHINE. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed July 24, 1925, Serial No. 45,812. Renewed Jan. 5, 1927. 31 Claims. (Cl. 94—4.)



16. A structure of the class described, of braider units comprising braider members disposed in spaced relation providing braider throats and having complementary bobbin carrier ways, bobbin carriers mounted in said ways and provided with bobbins, driving means for said bobbins, strand shifters adapted to shift the fixed strands from the throat of one unit to that of the adjacent unit, and timed actuating means for said shifters.

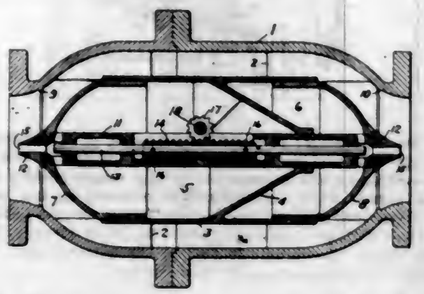
1,636,660. BRAIDING MACHINE. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Apr. 23, 1926, Serial No. 104,122. Renewed Jan. 5, 1927. 25 Claims. (Cl. 96—4.)



1. In a machine of the class described, the combination of a frame comprising front and rear segmental frame members, the front frame member having a segmental shifter way in the inner side thereof, gear supporting rollers mounted on said frame members, oppositely driven annular bobbin driving gears carried by said rollers, braider head members mounted on said frame members and having opposed slot-like throats, said braider head members being provided with complementary bobbin carrier ways, bobbin carriers mounted in said ways and provided with bobbins and with segmental gears coacting with said annular driving gears, a forming roll disposed centrally relative to said braider heads, a plurality of fixed bobbins disposed in an arc, a gathering roll disposed centrally relative to said fixed bobbins and head members and over which the strands are led from said fixed bobbins, shifters provided with rollers having horizontal axes traveling in said shifter way and rollers having vertical axes traveling on the opposite side of the

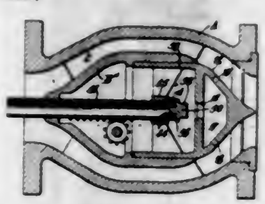
frame member, said shifters being provided with guide pulleys for guiding the shifting strands from said gathering roll to said throats, means for actuating said shifters in synchronism with said bobbin carriers, and brackets on the rear segmental frame members and provided with pairs of guide pulleys for guiding nonshiftable strands to project below the front frame member to guide the nonshifting strands from said gathering roll to said throats.

1,636,661. DOUBLE-PLUNGER VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation, a Corporation of Delaware. Filed May 6, 1921. Serial No. 467,417. 19 Claims. (Cl. 137—139.)



12. The combination with a conduit casing having oppositely disposed valve seats, of a cylindrical housing for containing fluid pressure, oppositely directed valve plungers adapted to engage said seats and movably supported by said housing, and means adapted to move with said plungers for controlling the discharge of fluid contained in said housing whereby movement of said plungers may be controlled in either direction.

1,636,662. VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor, by direct and mesne assignments, to I. P. Morris Corporation, a Corporation of Delaware. Filed Feb. 25, 1922. Serial No. 539,161. 24 Claims. (Cl. 137—139.)

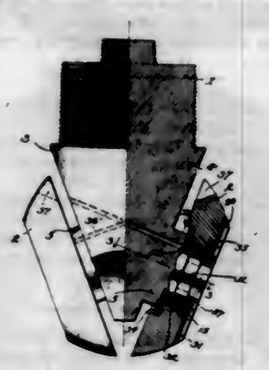


2. A valve for a fluid way comprising a casing having a contracting portion, a valve plunger having a tapering end portion seating against the contracting portion of said casing and an internal chamber portion subjected to the pressure of the fluid way, and means for varying the pressure in said chamber comprising an auxiliary chamber formed by a partition moving with said plunger and partitioned off from said first mentioned chamber, said auxiliary chamber being connected to the fluid way by a plurality of orifices through the tapering portion of said plunger, said orifices being so disposed in said tapering portion that transmission of pressure fluctuations between said auxiliary chamber and fluid way are relatively restricted.

9. A valve for a fluid way comprising a casing having a contracting portion, a valve plunger having a tapering end portion seating against the contracting portion of said casing and an internal chamber portion subjected to the pressure of the fluid way, and means for controlling the pressure in said chamber comprising a port connecting said chamber to the fluid way and a pilot valve having a portion movably extending through said port to restrict the flow therethrough in one position and withdrawn therefrom in another position.

20. A valve for a fluid way comprising a casing having a contracting portion, a central hollow member forming a chamber, a valve plunger having a nose seating against the contracting portion and carried by said member, and valve mechanism for controlling fluid in said chamber, said valve mechanism including means forming a port, a valve for said port, and a dash-pot for controlling relative movement between said port and valve.

1,636,663. WELL-DRILLING CUTTER AND BEARING THEREFOR. CLARENCE E. REED, Wichita, Kans. Filed Sept. 27, 1926. Serial No. 138,061. 14 Claims. (Cl. 255—71.)



14. The combination of an inner bearing member; an annular outer bearing member, said members being provided with complementary wings and spaces, the bearing members being adapted to be assembled by passing the wing of each member through the space on the other member and then turning the members so as to locate the wings behind each other; a locking member inserted between the inner and outer bearing members and filling the wing spaces so as to maintain the parts in interlocked relation; means for retaining said locking member in place, said retaining means comprising a cotter pin passing through an opening in the inner bearing member and bearing against said locking member, the outer locking member being grooved to permit said cotter pin to be placed or removed; and a roller cutter rotatively mounted on the outer bearing member.

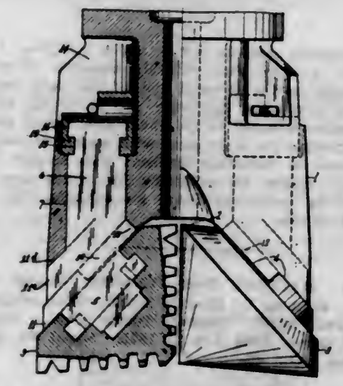
1,636,664. ROTARY DEEP-WELL-DRILLING APPARATUS. CLARENCE E. REED, Wichita, Kans. Filed Oct. 27, 1926. Serial No. 144,487. 7 Claims. (Cl. 255—71.)



1. In combination in a rotary deep well drilling apparatus, a drill head having at its lower end depending side walls and a depending central wall, said side walls

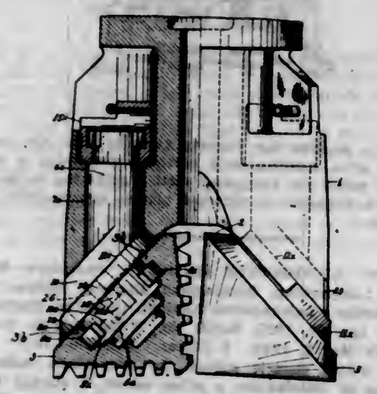
having projecting bosses on their outer sides which are offset in relation to the radii of the head and also in relation to each other in the direction circumferentially of the head, rotary disc cutters mounted on said bosses having a rolling and slicing cutting action by reason of their axes being offset in respect to the radii of the head, a pair of inner disc cutters, one of which is disposed in the recess on each side of the central wall, said inner cutters being offset in relation to each other and to the radii of the head and substantially in the same vertical axial plane with the adjacent outside cutter, pins passing through the bosses and having their inner ends seated in disaligned sockets on opposite sides of the central wall and means mounted on the bosses for holding the said pins in place, substantially as described.

1,636,665. EARTH-BORING DRILL. CLARENCE E. REED, Wichita, Kans. Filed Mar. 1, 1927. Serial No. 171,833. 30 Claims. (Cl. 255—71.)



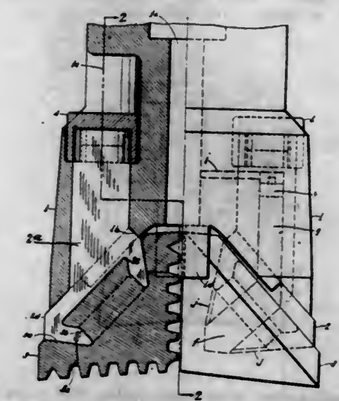
13. A roller cutter unit for earth boring drills comprising a bearing with a shank extending at an angle thereto, and a roller cutter having a gateway, said shank and bearing being divided lengthwise into sections, each of which is composed of a bearing portion and a shank portion integral with the bearing portion, each bearing portion having a projection to pass through the gateway and when turned to interlock with a portion of the roller cutter, said sections being insertible into or removable from the roller in succession, substantially as described.

1,636,666. EARTH-BORING DRILL. CLARENCE E. REED, Witchita, Kans. Filed Mar. 1, 1927. Serial No. 171,832. 20 Claims. (C. 255—71.)



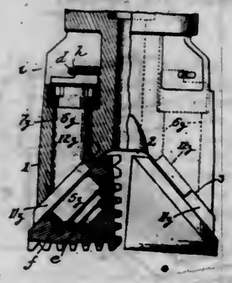
1. In an earth boring drill the combination of a bit head, a roller cutter, a spindle with means for detachably holding it in the bit head, and a bayonet joint connection between the roller cutter and the spindle, including complementary flanges and gates on the spindle and roller cutter and a locking member removably mounted on the spindle and obstructing one of the gates to hold the roller to the spindle when the gates and flanges register, said locking piece being held in place by the wall of the head, substantially as described.

1,636,667. DEEP-WELL-DRILLING APPARATUS. CLARENCE E. REED, Wichita, Kans. Filed Jan. 12, 1927. Serial No. 160,668. 9 Claims. (Cl. 255—71.)



4. In an earth boring drill a roller cutter having a stem within it with a groove between said stem and the surrounding body of the roller, said stem at its end having a flange overhanging the groove, said flange being cut away to provide a gate, and a bearing for said roller split lengthwise to provide two sections, each of which sections has a flange adapted to pass into the groove of the roller by way of said gate, and fit under the flange of the stem of the roller, a bit head and means for holding the sections of the bearing to said head, substantially as described.

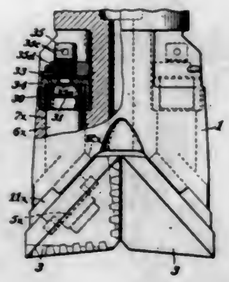
1,636,668. EARTH-BORING TOOL. CLARENCE E. REED, Wichita, Kans. Filed Mar. 12, 1927. Serial No. 174,824. 8 Claims. (Cl. 255—71.)



1. In combination in an earth boring apparatus, a one piece head having an inverted V-shaped recess in its lower end, a removable spindle member projecting substantially at right angles to the downwardly and outwardly inclined wall defining said inverted V-shaped recess, a shank member integral with the spindle member and extending at an inclination to said spindle member, and seated within the head, the juncture between said

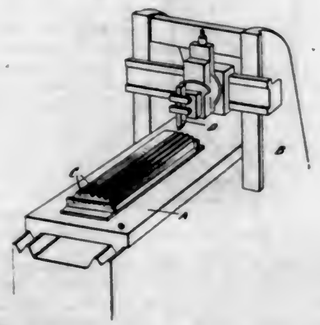
spindle member and shank member being at the said inclined wall of the recess, a roller cutter mounted on the spindle and a second roller cutter mounted upon the other inclined wall of the recess, said cutters being juxtaposed on opposite sides of the vertical axis of the drill and cutting the entire area at the bottom of the hole, and means connecting the shank member to the head and resisting displacement of said shank axially, substantially as described.

1,636,669. RETAINING MEANS FOR SPINDLES OF DEEP-WELL ROTARY CUTTERS. FRED K. BLAUVELT, Wichita, Kans., assignor to Clarence E. Reed, Wichita, Kans. Filed Mar. 15, 1927. Serial No. 175,570. 9 Claims. (Cl. 255—71.)



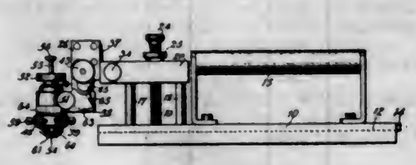
1. In combination in an earth boring drill a bit head, a roller cutter unit comprising a roller, spindle and shank, said shank having a flange and gate at its upper end, and means for drawing and holding the shank into the head, comprising a member having a flange and gate complementary to the flange and gate of the shank, said member when moved axially of the shank and then turned bringing its flange beneath that of the shank, and operating means for drawing said member upwardly relative to the drill head to draw the shank firmly to its seat in the bit head, substantially as described.

1,636,670. METHOD OF MAKING SEGMENTAL LAMINATED GEARS. JOHN C. SHAW and ROBERT D. SHAW, Brooklyn, N. Y., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 15, 1925. Serial No. 23,191. 3 Claims. (Cl. 29—159.)



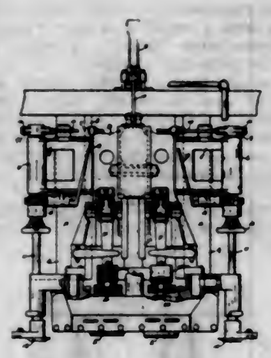
1. The method of forming laminated gears, which comprises assembling a plurality of segmental lamina blanks in parallel relation, then cutting a predetermined number of gear teeth in said assembled lamina, then heat-treating the cut lamina segments, then finishing the gear teeth and thereafter assembling the lamina segments in proper cooperative relation to form the completed gear.

1,636,671. HAND DEVICE FOR CUTTING AND POLISHING DIAMONDS. ABRAHAM ANZELEWITZ, New York, N. Y. Filed June 25, 1925. Serial No. 39,618. 8 Claims. (Cl. 51—229.)



1. A diamond grinding device, which comprises a slidable plate, a head plate slidably mounted thereon, a head pivoted to the forward end of the head plate, a chuck arm pivoted to the lower portion of the head, a chuck member mounted on the chuck arm, means for vertically adjusting the head plate with respect to the slide plate, means for adjusting the head with respect to the head plate, means for adjusting the chuck arm with respect to the head, and means for adjusting the chuck on the chuck arm.

1,636,672. MACHINE FOR FORMING GLASS ARTICLES. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 2, 1925. Serial No. 66,125. 7 Claims. (Cl. 49—[illegible]

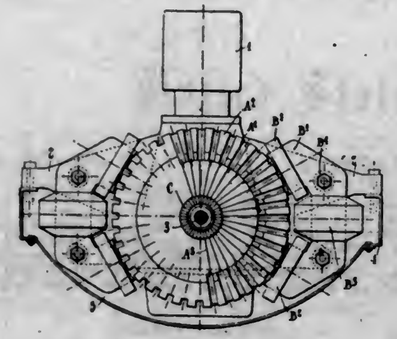


1. In a machine for forming glass articles, the combination of a rotating mold carriage comprising a plurality of units, and compound suction gathering molds in each unit disposed in different planes, substantially as described.

1,636,673. AUTOMOBILE VEHICLE. FREDERICK WILLIAM LANCHESTER, Birmingham, England, assignor to Lanchester's Laboratories, Limited, Coventry, England. Filed Apr. 27, 1925, Serial No. 26,255, and in Great Britain May 2, 1924. 8 Claims. (Cl. 290—19.)

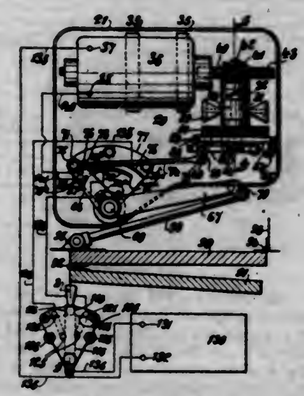
1. A petrol electric system for automobile vehicles including in combination a prime mover, a storage battery and a direct current dynamo electric machine embodying a plurality of field magnet units, each unit

comprising a pair of series windings disposed around the pole pieces and immediately adjacent the armature and a shunt winding, said windings being widely spaced apart



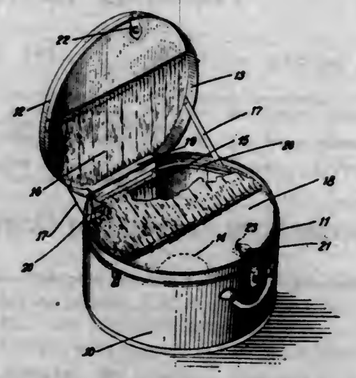
and the intervening spaces between said windings being adapted to promote magnetic leakage during the charging régime.

1,636,674. DOOR-OPERATING DEVICE. JOHN A. LUTHER, Bayonne, N. J., assignor of one-fourth to Peter Paris, one-fourth to Gaetano Merola, and one-fourth to Alfred Auletta, Bayonne, N. J. Filed Aug. 24, 1925. Serial No. 52,133. 3 Claims. (Cl. 268—65.)



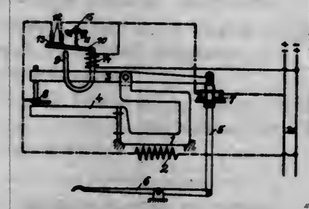
1. In a door operating device the combination of a hinged door, an electric motor, a source of electric current for the motor, a bell crank pivoted in the device, a pair of electric contact strips adjacent to one arm of the bell crank and disposed so that one end of each extends beyond the adjacent end of the other, contact plugs carried by the said arm of the bell crank, one of said plugs coacting with one contact strip and the other contact plug coacting with the other contact strip, the electric motor, contact strips and contact plugs in electric circuit a three pole switch in the electric circuit, connecting means between said arm and said motor to swing the former with the rotations of the motor and connecting means between the other arm of the bell crank and said door.

1,636,675. HATBOX. OSSIP JOSEPH WALINSKY, Sea Gate, N. Y., assignor to White Luggage Co. Inc., New York, N. Y., a Corporation of New York. Filed Apr. 22, 1926. Serial No. 103,754. 1 Claim. (Cl. 206—8.)



A hat box comprising a body, a cover hinged to said body at a point removed from the edge thereof, a tray, a flexible hinge piece attached to said tray and to the upper edge of said body whereby said tray may be arranged either within said body or said cover, means to support said tray within said body to act as a cover therefor and means to maintain said tray in said cover when not so used.

1,636,676. ELECTRIC WELDING APPARATUS. RICHARD MACK, Berlin-Tempelhof, Germany. Filed Feb. 17, 1921, Serial No. 445,902, and in Germany Nov. 11, 1920. 3 Claims. (Cl. 219—4.)



2. In an electric resistance welding apparatus, the combination with welding circuits comprising primary and secondary circuits, of a switch in said primary circuit, a magnet having an armature for operating said switch, said magnet being under the control of the secondary circuit, and a spring device for holding said primary switch closed but having provisions for adjusting the spring tension relatively to the secondary circuit pull on said armature whereby to operate said armature and open the primary switch at a predetermined point in the intensity of the secondary current.



Patents Nos. 1,636,677 to 1,637,326.

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Reissues	3	No. 14,699 to No.	14,701,	inclusive.
Designs	24	No. 73,119 to No.	73,142,	inclusive.
Patents	630	No. 1,636,677 to No.	1,637,326,	inclusive.
Total	893			

Disclaimer.

1,472,888.—*Charles B. Rose*, East Moline, Ill. TRACTOR ATTACHMENT. Patent dated November 6, 1923. Disclaimer filed May 25, 1927, by the assignee by mesne assignments, *Moline Plow Company, Incorporated.*

Disclaimer is entered as to claims 1, 2, 3, 4, and 5, except when said claims are construed to give to the word "tillage" in line 1 of claims 3, 4, and 5 the meaning of cultivator and except where the expression "tillage implements" in claims 1, 2, 3, 4, and 5 is given the meaning of cultivator shovels such as shown and described in said Patent No. 1,472,888 and their equivalent.

Interference Notice.

U. S. PATENT OFFICE, *Washington, June 28, 1927.*

Warren E. Sadler, his assigns or legal representatives, take notice:

Interferences have been declared by this office between an application for patent filed by Warren E. Sadler, 1440½ West Twenty-third Street, Los Angeles, Calif., and applications for patent filed by Samuel K. Wellman, 2730 Derbyshire Road, Cleveland Heights, Ohio, and Arch M. Brown, 423 Kansas Avenue, Chickasha, Okla. Counsel for Sadler state they are unable to locate said Sadler. Notice is hereby given that unless said Sadler, his assigns or legal representatives, shall enter an appearance therein within 20 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,529,151, W. P. Albert, Controlling system, decided July 2, 1927, claims 4 and 5.

Pat. 1,541,485, E. L. Reller, Rotary pump, decided June 3, 1927, claims 1 to 5, inclusive.

Pat. 1,578,656, W. E. Gordon, Crown-block bolt, decided June 4, 1927, claims 1, 2, 7, and 8.

Pat. 1,613,366, R. H. Van Schaack, Jr., Ester of butyl alcohol, decided June 18, 1927, claims 1, 2, and 3.

Final decisions in interferences have been rendered against the following trade-marks:

T. M. 97,945, Wheat flour, Cadick Milling Company, Grand View, Ind. Registered June 30, 1914. Decided June 6, 1927.

T. M. 215,428, Wheat flour, The St. Paul Milling Co., St. Paul, Minn. Registered July 20, 1926. Decided June 6, 1927.

ADJUDICATED PATENTS.

(D. C. Mich.) The Rousso patent, No. 1,157,046, for device to prevent theft of towels from public washrooms, claims 1, 2, 3, and 5 *Held* invalid. *Rousso* v. *First National Bank*, 19 F. (2d) 247.

(D. C. Mich.) The Olsen patent, No. 1,295,578, for device to prevent theft of towels from public washrooms, claim 1 *Held* invalid and claims 3 and 5 *Held* not infringed. *Id.*

Drawings.

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business July 15, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,411; Trade-Mark Division, 1,630. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 5	Apr. 14	641
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Mar. 15	Mar. 18	877
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 10	Mar. 10	1,578
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 10	Jan. 19	1,654
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Feb. 7	Feb. 14	993
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	†Dec. 13	†Dec. 15	1,581
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 1	Feb. 1	1,365
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 21	Mar. 5	1,767
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 6	Apr. 11	838
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 2	Feb. 8	1,230
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Mar. 12	Mar. 19	940
360	12. PIERCE, P. P., Machine Elements	Jan. 18	Feb. 4	1,274
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 2	Feb. 10	1,460
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 7	Feb. 22	1,293
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 11	Feb. 25	1,506
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 11	Mar. 16	766
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 24	Mar. 22	786
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 10	Jan. 13	1,026
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 8	Apr. 14	882
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Sales; Undertaking	Mar. 21	Mar. 24	991
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 15	Feb. 18	990
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 27	Jan. 7	1,024
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanisms.	Jan. 10	Jan. 26	808
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 10	†Dec. 30	1,086
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminuters.	Feb. 11	Feb. 21	1,315
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Jan. 18	949
314	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 14	Mar. 11	864
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 24	Mar. 1	1,224
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 5	Jan. 18	1,213
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 21	Mar. 2	1,126
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 9	Feb. 3	1,843
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 11	Feb. 21	1,159
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Rods; Wooden Buildings.	Apr. 1	Apr. 6	1,467
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Jan. 10	Jan. 18	973
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Apr. 1	1,165
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 4	Apr. 7	1,071
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 7	Feb. 10	1,502
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Walls.	Mar. 7	Mar. 7	1,160
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 10	772
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 24	Feb. 12	2,119
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	755
222*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 17	Jan. 5	1,469
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 4	Feb. 7	1,265
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 14	Jan. 19	1,301
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 19	Mar. 25	934
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 12	Feb. 10	1,013
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 24	Mar. 9	1,494
313*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 1	Feb. 3	1,008
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 15	Jan. 26	973
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 7	Mar. 7	1,580
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 11	Jan. 13	1,423
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 10	Mar. 16	1,202
209	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 14	Mar. 16	1,249
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,926
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Jan. 18	Jan. 29	680
	Designs	June 11	June 17	603
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	June 17	July 5	1,469
	Labels and Prints	June 22	July 1	161

* Refers to room numbers in the aggregate.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE FREEDLANDER.

Decided June 2, 1928.

INVENTION—PROCESS UNPATENTABLE OVER PRIOR ART.

Where the steps recited in claims 1 and 3 of applicant's process for making a driving belt are not materially different from the steps outlined in the patent to G., and the patent to P. discloses a compound fabric of the character claimed by applicant and which P. states may be used for a belt, *Held* that the claims are unpatentable, since there was nothing inventive in using the steps adopted by G. with the materials noted by P.

[Note.—The application has resulted in Patent No. 1,611,830, December 21, 1926.]

APPEAL from Examiners in Chief.

Application for patent for driving belt filed June 21, 1922. Serial No. 569,941.

Messrs. Toulmin & Toulmin for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 1 to 4, inclusive, and claim 7. Claims 1 and 2 will serve for illustrative purposes and are as follows:

1. The herein described method of making a driving belt, consisting in fabricating material therefor of vulcanisable soft rubber mixed with fiber; in winding such material on a suitable instrument into the form of a roll; and in vulcanising such roll.

2. The herein described method of making a driving belt consisting in fabricating material therefor of vulcanisable soft rubber mixed with fiber, the strands of which are placed substantially crosswise such material; in winding such material upon a suitable instrument to form a roll of belting; and in vulcanising such roll.

The references relied upon are: Swain, 1,152,849, August 31, 1915; Price, 1,192,794, July 25, 1916; Ryan, 1,215,064, February 6, 1917; Redform, 1,255,107, January 29, 1918; Gates, 1,854,788, October 5, 1920; Deisell, 1,482,973, October 24, 1922; Fisher, 1,438,370, December 12, 1922; Goodyear (reissue) 157, December 25, 1849.

The first four claims are directed to a method for making a driving belt, and claim 7 is directed to the belt itself. To produce the belt of claims 1 and 3, applicant fabricates a material of vulcanisable soft rubber mixed with fiber and then winds such material upon a support into a cylindrical roll and vulcanises it. Subsequently a suitable length of belting is cut off for use; but this latter step is not involved in the claims.

While the references disclose fiber reinforcing vulcanised-rubber belts, yet the patent to Gates is mainly relied upon by the tribunals below to show the method of making a V-shaped belt, which is the form of belt produced by the applicant's process, although such form is not specified in the appealed claims, which method includes the laying of vulcanised layers one upon the other and finally applying rubber composition on them and vulcanising the whole. The steps of the method, as disclosed in claims 1 and 3 here on appeal, are not materially different from the steps outlined in the patent to Gates. The patent to Price, however, more nearly discloses a compound fabric, which the patentee states may be used for a belt, of layers of the character claimed by the applicant. The holding below was to the effect that there was nothing inventive in using the steps adopted by Gates with the materials noted by Price. There would seem to be no possible error in the conclusions reached by the Examiner and the Examiners in Chief as to the want of any merit in so obvious a method of producing a belt. It is thought this same state of the art, especially as disclosed in Price, anticipates completely claim 7.

Claims 2 and 4 are quite similar to claims 1 and 3, but specify the fiber or strands "are placed substantially crosswise such material." The patent to Price does not disclose such an arrangement. It is not apparent that he realised the advantages to be obtained from so placing the fibers or strands. The Examiners in Chief were of the view that the disclosure of the laminated cross-fiber shoe sole in the Redform patent anticipated, in connection with the patent to Price, this feature of the parallel relation of the fibers crosswise of the belt. It is believed the use of such cross-fibers in a shoe sole is not analogous to the use in a belt. The requirements are different, the stresses are different, and the functions are quite dissimilar. The crosswise fibers or strands enable the belt to withstand lateral compression or distortion, so that it maintains its cone-like shape of cross section when subjected to the contact with the pulley grooves. The patent to Price does not disclose that he was aware of this specific advantage in this particular relation. It is believed these claims 2 and 4 should be allowed.

The decision of the Examiners in Chief is affirmed as to claims 1, 3, and 7 and reversed as to claims 2 and 4.

Supreme Court of the United States.

BEECH-NUT PACKING COMPANY *v.* P. LORILLARD COMPANY.

Decided April 11, 1927.

1. TRADE-MARKS — ABANDONMENT — MERE NONUSE DOES NOT ESTABLISH.

Lapse of some four years after taking over of tobacco trade-mark by a new company before using trade-mark in placing new tobacco on the market *Held* not to have destroyed right to use thereof as matter of law where nothing had happened in the meantime to make purchaser's position worse than if it had acted more promptly.

2. SAME — SAME — LOSS OF GOODWILL — PREFERENTIAL RIGHT TO AGAIN USE.

The fact that the goodwill once associated with a trade-mark has vanished does not end at once the preferential right of the proprietor to try it again on goods of the same class with improvements that renew the proprietor's hopes.

3. SAME—DEFINITION.

Primarily a "trade-mark" is a distinguishable token devised or picked out with intent to appropriate it to a particular class of goods and with the hope that it will come to symbolize goodwill.

ON WRIT OF CERTIORARI to the United States Circuit Court of Appeals for the Third Circuit.

Mr. Charles E. Hughes, Mr. Walter A. Scott, Mr. James R. Offield, and *Mr. H. McClure Johnson* for Beech-Nut Packing Co.

Mr. John W. Davis for P. Lorillard Co.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a suit in equity brought by the petitioner, Beech-Nut Packing Company, a corporation of New York, charging the P. Lorillard Company, a corporation of New Jersey, with infringement of its registered trade-mark, "Beech-Nut," and with unfair competition. The bill also takes the possibly broader ground that "Beech-Nut," being the plaintiff's trade-mark and part of its corporate name, has become the plaintiff's badge and autograph so far that the public seeing the mark on any package of consumable goods will believe that the article is of the plaintiff's make. The trade-mark was first used on ham and bacon but gradually has been extended to many other articles so diverse as chewing gum, peanut butter, and ginger ale, but always, the plaintiff says, as a guaranty of excellence, often expressed by it in advertisements, as "Beech-Nut Quality." The defendant uses the words "Beech-Nut" on chewing tobacco and cigarettes and the bill takes the hardly consistent positions, on the one hand that the plaintiff's reputation is hurt with its refined female customers by the belief that it would manufacture a cheap chewing tobacco, and on the other hand that it may wish to extend its business into that domain. The bill was dismissed on the merits by the district court, 299 Fed. Rep. 834, and by the circuit court of appeals. 7 F. (2d) 967. As the principles involved seemed important and as it was urged that the decision was in conflict with decisions in other circuit courts of appeal, such as *Aunt Jemima Mills Co.* v. *Rigney*, 247 Fed. Rep. 407 and *Vogue Co.* v. *Vogue Hat Co.*, 6 F. (2d) 875, a writ of certiorari was granted by this Court. 269 U. S. 551.

[1] The plaintiff's trade-mark goes back to before the beginning of this century. The registration specially relied upon was dated December 31, 1912, and states that the plaintiff has adopted the mark for use upon a large number of specified objects, including those that we have mentioned, "all in Class 46, Foods and ingredients of foods." The defendant claims the mark "Beechnut" for tobacco through successive assignments from the Harry Weissinger Tobacco Company, of Louisville, Ky., which used it from and after 1897. The plaintiff does not contest the original validity of this mark or suggest any distinction on the ground that it originated in a different State, but says that the right has been lost by abandonment. It appears that brands of tobacco have their rise and fall in popular favor, and that the Beechnut had so declined that in 1910 only twenty-five pounds were sold, and the trade-mark was left dormant until after the dissolution of the American Tobacco Company which then held it. This was in 1911, and the Lorillard Company took over the mark with many others. Then in connection with an effort to get a new brand that would hit the present taste, this mark was picked out, some of the adjuncts were changed, and in 1915 the new tobacco was put upon the market. Nothing had happened in the meantime to make the defendant's position worse than if it had acted more promptly and we see no reason to disturb the finding of two courts that the right to use the mark had not been lost. The mere lapse of time was not such that it could be said to have destroyed the right as matter of law.

[2, 3] A trade-mark is not only a symbol of an existing goodwill although it commonly is thought of only as that. Primarily it is a distinguishable token devised or picked out with the intent to appropriate it to a particular class of goods and with the hope that it will come to symbolize goodwill. Apart from nice and exceptional cases and within the limits of our jurisdiction a trade-mark and a business may start together, and in a qualified sense the mark is property, protected and alienable, although as with other property its outline is shown only by the law of torts, of which the right is a prophetic summary. Therefore the fact that the goodwill once associated with it has vanished does not end at once the preferential right of the proprietor to try it again upon goods of the same class with improvements that renew the proprietor's hopes.

It may be true that in a case like the plaintiff's its rights would not be sufficiently protected by an injunction against using the marks upon goods of the same class as those to which the plaintiff now applies it and to which its registration is confined. Upon that we express no opinion. For when it is conceded that whatever its effect the defendant has a right to use "Beechnut" on tobacco unless the right has been abandoned, that possibility does not matter. Again it may be true that in putting a hyphen between Beech and Nut, framing its label with an oval and substituting a beechnut for a squirrel in the center the defendant was trying to get an advantage from the plaintiff's goodwill and if challenged at once might have been required to make it even plainer than it was made by the word "Lorillard's" in large letters upon the label that the plaintiff had nothing to do with the goods. But the plaintiff waited until 1921. The Lorillard Company is at least as well known to those who do not despise tobacco as the Beech-Nut Company is to its refined customers and the time and the need for that additional precaution has gone by. If the plaintiff was misled in its reason for thinking that the defendant's right had been kept alive it was right in its belief, and further, the belief had no bearing on the question whether the mark was presented in an unjustifiable form.

Now that the case has been more fully considered than it could be on the petition for certiorari it seems to us that the facts do not present the nice question upon which the petitioner wished us to pass. Both courts having found for the defendant we see no ground upon which it can be said that they were wrong as matter of law. *Joseph Schlitz Brewing Co.* v. *Houston Ice & Brewing Co.*, 250 U. S. 28, 29.

Decree affirmed.

Court of Appeals of the District of Columbia.

W. R. ROACH & Co. *v.* G. & J. LO BUE BROS.

No. 1,285. Decided February 7, 1927.

TRADE-MARKS — OPPOSITION — MOTION TO DISMISS — GOODS—DESCRIPTIVE PROPERTIES DIFFERENT.

Where opposer used its mark upon canned fruits, canned vegetables, canned salmon, canned pork and beans, canned evaporated milk, fresh fruits, fresh vegetables, coffee, tea, and similar products and applicant was seeking registration upon macaroni, *Held* that the goods were not of the same descriptive properties and the opposition was properly dismissed on motion.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. E. T. Fenwick for W. R. Roach & Co.

Messrs. G. & J. Lo Bue Bros. pro se.

Before MARTIN, Chief Justice, and ROSS and VAN ORSDEL, Associate Justices.

MARTIN, *C. J.:*

The appellee applied for the registration of its trade-mark consisting chiefly of the representation of a heart, for use upon macaroni. The appellant opposed the application, upon the ground that it was the prior registrant of a mark similarly embellished with a heart, used upon canned fruits, canned vegetables, canned salmon, canned pork and beans, canned evaporated milk, fresh fruits, fresh vegetables, coffee, tea and similar products. The appellant has also used its mark upon macaroni, but this use first began after the present application of appellee was filed.

The Examiner of Interferences dismissed the opposition upon motion of the applicant, upon the ground that the goods upon which appellant had used the mark prior to this application, as above specified, were not of the same descriptive properties as macaroni.

The opposer appealed from the dismissal to the Commissioner of Patents, claiming that the goods in question were of the same descriptive properties as macaroni, and insisting that the Examiner erred in denying opposer the right to introduce testimony in order to prove the likelihood of confusion in trade and injury to opposer.

The Commissioner considered the appeal and observed that an order like this which denies opposer the opportunity to take testimony, should be granted only in a clear case; but held nevertheless that the Examiner was right in his ruling that the goods of the respective parties were not of the same descriptive properties. He therefore affirmed the decision of the Examiner. The Commissioner based his conclusion in part upon the opinions of this court in *Johnson Educator Food Company* v. *Sylvanus Smith & Co., Inc.*, 174 O. G. 1027, 37 App. D. C. 107, and *The Quaker Oats Co.* v. *Mother's Macaroni Company*, 198 O. G. 899, 41 App. D. C. 254. The first of these cases held that salted, smoked and canned fish were not of the same descriptive properties as crackers, biscuits, bread and breakfast cereals. The second case held that the registration of the word "Mother's," as a trade-mark for macaroni, spaghetti, and vermicelli, will not be denied on the ground that it would be deceptive and confusing because already used as a trade-mark for breakfast cereals.

We think that these authorities sustain the decision of the Commissioner of Patents. It is accordingly affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

949,272, P. E. Herrmann, Process of hair waving; 959,527, 1,001,029, 1,168,000, 1,199,550, 1,499,867, same, Hair-waving apparatus; 1,194,841, same, Hair-steaming apparatus; 1,531,936, same, Electrical attachment plug, filed May 28, 1927, D. C., S. D. N. Y., Doc. E 42/12, *P. E. Herrmann et al.* v. *A. Diaz (Angelo)*. Doc. E 42/13, *P. E. Herrmann et al* v. *Art Aseptible Furniture Co.* Doc. E 42/14, *P. E. Herrmann et al.* v. *Bogner Corp.* Doc. E 42/15, *P. E. Herrmann et al.* v. *E. Frederics, Inc.* Doc. E 42/16, *P. E. Herrmann et al.* v. *Keen Waving Co., Inc.* Doc. E 42/17, *P. E. Herrmann et al.* v. *Thomas Waving Corp.* Doc. E 42/18, *P. E. Herrmann et al.* v. *E. Pausser (Edmond)*. Doc. E 42/19, *P. E. Herrmann et al.* v. *Gem-Air Permanent Wave Co., Inc.* Doc. E 42/20, *P. E. Herrmann et al.* v. *The Le Mur Co.* Doc. 1 42/21, *P. E. Herrmann et al.* v. *Eugene, Ltd.* Doc. E 42/22, *P. E. Herrmann et al.* v. *Everlasting Wave Machine Holding Co., Inc.* Doc. E 42/23, *P. E. Herrmann et al.* v. *I. L. Ingrassia (I. Leon Co.)*. Same, D. C. N. J., Doc. E 2066, *P. E. Herrmann et al.* v. *Gabriel Corp.*

959,527. (See 949,272.)

1,001,029. (See 949,272.)

1,058,210, Welch & Welch, Method of finishing castings, filed Jan. 19, 1926, D. C., E. D. Mich. (S. Div.), Doc. 1343, *American Plug Co. et al.* v. *Hudson Motor Car Co.* Claims 1, 2, and 3 held valid (notice dated May 31, 1927). Same, filed June 1, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2062, *American Plug Co. et al.* v. *The Brewer Titchener Corp.*

1,059,271, W. C. Bucknam, Pantograph apparatus, filed June 2, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2285, *Air Reduction Co., Inc.*, v. *The White Tool & Supply Co.*

1,060,190, 1,072,471, Kellner & Worms, Knitted necktie; 1,103,589, same, Knitted fabric; 1,072,734, 1,072,856, same, Process of knitting bias lace knitted neckties; 1,073,050, same, Bias lace knitted necktie, filed Aug. 20, 1925, D. C., S. D. N. Y., Doc. E 33/87,

Franklin Knitting Mills, Inc., v. *Berkley Knitting Co.* Discontinued May 27, 1927.

1,072,471. (See 1,060,190.)

1,072,734. (See 1,060,190.)

1,072,856. (See 1,060,190.)

1,073,050. (See 1,060,190.)

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engines, filed June 1, 1927, D. C., S. D. N. Y., Doc. E 42/40, *H. H. Boyce et al.* v. *H. Kandelman.*

1,103,589. (See 1,060,190.)

1,108,184, T. Kerner, Garbage and refuse incinerator, filed May 27, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2057, *Kerner Incinerator Co.* v. *S. R. Small et al.* Same, filed June 2, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2064, *Kerner Incinerator Co.* v. *Smith Matthews Foundry Co.*

1,149,404, J. S. Patrick, Crude oil burner, filed Dec. 29, 1923, D. C., W. D. Okla. (Guthrie), Doc. E 627, *J. S. Patrick* v. *R. M. Stone et al.* Decree for defendants amended and supplemental bill dismissed May 3, 1927.

1,168,000. (See 949,272.)

1,194,841. (See 949,272.)

1,199,550. (See 949,272.)

1,292,081. (See 1,301,175.)

1,301,175, J. Sachs, Electric service and meter-testing system; 1,292,081, same, Electric switch; 1,458,728, same, Electric appliance-receiving and meter-protecting box or casing; 1,465,688, same, Incased circuit connecting and controlling device, filed May 25, 1927, D. C. N. J., Doc. E 2687, *J. Sachs et al.* v. *Monarch Electrical Supply Co.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Apr. 30, 1926, D. C., N. D. Tex. (Ft. Worth), Doc. E 482, *The Bassick Mfg. Co.* v. *A. E. Faught et al.* (*Motor Parts Station*). Injunction granted April 8, 1927.

1,307,734. (See 1,307,733.)

1,326,844, F. E. Burnette, Crank-case reinforcing means, filed Apr. 21, 1927, D. C., S. D. Iowa (Des Moines), Doc. E 4366, *The Brewer Titchener Corp.* v. *Western Auto Supply Co.*

1,336,901, D. Handelan, Hot-air-heating system, filed Mar. 22, 1927, D. C. Minn. (2d Div.), Doc. E 94, *The 20th Century Heating & Ventilating Co.* v. *E. A. Pease* (*Pease Hardware Co.*) *et al.* Injunction granted June 3, 1927.

1,458,728. (See 1,301,175.)

1,458,920, F. J. Troll, Road-bearing meter, filed May 31, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2281, *The Black & Decker Mfg. Co. et al.* v. *The Firestone Tire & Rubber Co. et al.*

1,465,688. (See 1,301,175.)

1,498,848. (See 1,515,920.)

1,499,367. (See 949,272.)

1,515,920, Auch & Galli, Tonneau windshield; 1,498,848, A. C. Lillie, Wind deflector; 1,515,957, same, Automobile windshield, filed Feb. 4, 1927, D. C., S. D. Calif. (Los Angeles), Doc. I-70-M, *A. C. Lillie* v. *E. F. Becker et al.* (*Ideal Windshield Co.*). Patents held valid and infringed May 27, 1927.

1,515,957. (See 1,515,920.)

1,531,936. (See 949,272.)

1,561,486, J. A. Riordan, Wardrobe steamer trunk, filed June 1, 1927, D. C., S. D. N. Y., Doc. E 42/39, *J. A. Riordan* v. *R. H. Macy & Co.*

1,578,688, E. A. Spies, Plaster of Paris bandage, filed May 9, 1927, D. C. N. J., Doc. E 2647, *Brynes, Jr.* v. *Johnson & Johnson.*

1,589,308, J. A. Victoreen, Radio-frequency apparatus, filed June 3, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2286, *J. A. Victoreen* v. *The Radiart Co. et al.*

Re. 15,482, R. J. Soutullo, Bottle refrigerator, filed May 31, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2282, *The Liquid Carbonic Co. et al.* v. *A. R. White* (*The Best Way Appliance Co.*).

Re. 16,579, J. S. Booth, Motor vehicle, filed May 9, 1927, D. C. Ind. (Indianapolis), Doc. 1048, *J. S. Booth* v. *Stutz Motor Car Co. of America, Inc.*

Des. 43,459, J. Kellner, Knitted necktie, D. C., S. D. N. Y., Doc. E 39/143, *Franklin Knitting Mills, Inc.*, v. *J. P. Carey et al.* (*J. P. Cary & Co.*). Consent order of discontinuance May 27, 1927. Doc. E 39/144, *Franklin Knitting Mills, Inc.*, v. *Wallach Bros.* Doc. E 39/145, *Franklin Knitting Mills, Inc.*, v. *J. W. Ryan, Inc.* D. C., S. D. N. Y., Doc. E 39/146, *Franklin Knitting Mills, Inc.*, v. *Berkley Knitting Co.* D. C., S. D. N. Y., Doc. E 39/198, *Franklin Knitting Mills, Inc.*, v. *J. Wanamaker.* Doc. E 39/200, *Franklin Knitting Mills, Inc.*, v. *J. Holstein, Inc.* Doc. E 39/201, *Franklin Knitting Mills, Inc.*, v. *J. Gerson, Inc.* D. C., S. D. N. Y., Doc. E 39/209, *Franklin Knitting Mills, Inc.*, v. *Herschell's Men's Wear, Inc.* D. C., S. D. N. Y., Doc. E 39/222, *Franklin Knitting Mills, Inc.*, v. *Gimbel Bros., Inc.* Dec. 30, 1926, D. C., S. D. N. Y., Doc. E 39/382, *Franklin Knitting Mills, Inc.*, v. *P. Brinn.* Doc. E 39/383, *Franklin Knitting Mills, Inc.*, v. *W. Morgan* (*W. Morgen & Son*). Decree as above.

T. M. 53,937, T. M. 53,938, Schulke & Mayr, Disinfectants and antiseptics; T. M. 128,764, Lehn & Fink, Inc., same; T. M. 135,729, same, Soap and shaving cream; T. M. 137,640, same, Antiseptics, disinfectants, etc.; T. M. 224,321, T. M. 225,545, Lysol, Inc., same, filed May 27, 1927, D. C., S. D. Tex. (Houston), Doc. E 305, *Lysol, Inc.*, v. *M. Kendall* (*Park Ave. Pharmacy*).

T. M. 53,938. (See T. M. 53,937.)

T. M. 128,764. (See T. M. 53,937.)

T. M. 135,729. (See T. M. 53,937.)

T. M. 137,640. (See T. M. 53,937.)

T. M. 224,321. (See T. M. 53,937.)

T. M. 225,545. (See T. M. 53,937.)

TRADE-MARKS

OFFICIAL GAZETTE, JULY 26, 1927.

[VOL. 360. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 173,679. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Dec. 21, 1922.

MARVELAC

Particular description of goods.—Varnishes, First Coaters, Paint Enamels, and Lacquers.
Claims use since June 1, 1906.

Ser. No. 210,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SILVA-BERGTHOLDT CO., Newcastle, Calif. Filed Mar. 2, 1925.



The shading on the drawing indicates a red and a blue color. All the descriptive and geographical reading matter on the drawing including the words "The Silva-Bergtholdt Co., California Fruits, Newcastle, California," is hereby disclaimed apart from the other features of the mark.

Particular description of goods.—Fresh Fruits—Namely, Cherries, Peaches, Pears, Apricots, Plums, and Grapes.
Claims use since 1913.

Ser. No. 214,280. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) FLORENCE W. SHEPLER, doing business as The F. W. Shepler Stove Company, Pittsburgh, Pa. Filed May 13, 1925.

RADIA

Particular description of goods.—Radiant Gas-Heating Devices.
Claims use since June 1, 1917.

Ser. No. 223,128. (CLASS 39. CLOTHING.) MARATHON RUBBER COMPANY, INC., Akron, Ohio. Filed Nov. 11, 1925.



Particular description of goods.—Soles and Heels for Boots and Shoes Composed Wholly or in Part of Rubber.
Claims use since February, 1918.

Ser. No. 223,838. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ETTIE DODGE, Sydney, New South Wales, Australia. Filed Nov. 25, 1925.

VIGORO

Particular description of goods.—Field Games Played With Bats, Balls, and Wickets.
Claims use since about March, 1900.

Ser. No. 224,418. (CLASS 37. PAPER AND STATIONERY.) THE PECK ENGRAVING COMPANY, Cleveland, Ohio. Filed Dec. 8, 1925.



The word "Bond" as it appears in the trade-mark is disclaimed separate and apart from the mark as shown in the drawing.

Particular description of goods.—Writing Paper.
Claims use since May 1, 1924.

Ser. No. 225,149. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SWANFELDT TENT AND AWNING COMPANY, Los Angeles, Calif. Filed Dec. 24, 1925.

SWANFELDT AWNINGS

The word "Awnings" is disclaimed.

Particular description of goods.—Awnings, Tents, Tarpaulins, and Canopies.

Claims use since Jan. 1, 1924.

Ser. No. 225,313. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOTTE-DEVEAN, INC., San Francisco, Calif. Filed Dec. 30, 1925.

Mardo

Particular description of goods.—Decorated Handkerchiefs.

Claims use since January, 1925.

Ser. No. 225,539. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif. Filed Jan. 6, 1926.

CHECK

Particular description of goods.—Nonferrous Metals, Lead, Babbit, Solder, and Alloys in Ingots, Pigs, Slabs, Bars, Rods, Wires, Sticks, Sheets, Anodes, Cathodes, and Dust Made Therefrom.

Claims use since Apr. 20, 1925.

Ser. No. 225,543. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif. Filed Jan. 6, 1926.

ACME

Particular description of goods.—Nonferrous Metals, Lead, Babbit, Solder, and Alloys in Ingots, Pigs, Slabs, Bars, Rods, Wires, Sticks, Sheets, Anodes, Cathodes, and Dust Made Therefrom.

Claims use since November, 1907.

Ser. No. 225,995. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BUFFALO SPECIALTY COMPANY, now by change of name to Liquid Veneer Corporation, Buffalo, N. Y. Filed Jan. 16, 1926.

FLÜSSIG FURNIR

Particular description of goods.—Detergent and Polishing Liquids for Woodwork, Metal, and Enameled Surfaces.

Claims use since about Jan. 1, 1907.

Ser. No. 226,373. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) PICKARD STUDIOS, INCORPORATED, Chicago, Ill. Filed Jan. 25, 1926.

PICKARD

The word "Pickard" is disclaimed apart from the mark shown.

Particular description of goods.—Pottery and Porcelain.

Claims use since Sept. 1, 1925.

Ser. No. 227,348. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H & H SCRIBE SAW COMPANY, Detroit, Mich. Filed Feb. 16, 1926.

H & H

Particular description of goods.—Electrically-Operated Scribe Saws and Hand Markers.

Claims use since Sept. 1, 1924.

Ser. No. 228,253. (CLASS 39. CLOTHING.) BATES-DOW COMPANY, INC., Brooklyn, N. Y. Filed Mar. 9, 1926.

Betty

Particular description of goods.—Shoes in Whole or in Part of Leather for Men, Women, and Children.

Claims use since May 9, 1918.

Ser. No. 228,398. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN ROAD MACHINERY COMPANY, Kennett Square, Pa. Filed Mar. 10, 1926.

CHAMPION

Particular description of goods.—Road Scrapers, Road Rollers, Rock Crushers, Garden, Lawn, and Field Rollers, Machines for Handling and Screening Stone, Ore, and Coal, Bins, Wash Boxes, Apron Feeders, Portable Rock Crushers, Bucket Elevators, Conveyors, Winding Hoisting Drums.

Claims use since Oct. 1, 1863.

Ser. No. 230,559. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE MCDOWELL MANUFACTURING CO., Millvale, Pa. Filed Apr. 22, 1926.

MAC

Particular description of goods.—Toys—Namely, Motor Driven Racing Toys, Manually-Operated Racing Toys, Loop-the-Loop Toys, and Seesaw Coaster Toys.

Claims use since about Jan. 1, 1926.

Ser. No. 231,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARIO IACONO, Brooklyn, N. Y. Filed May 12, 1926.

ROMOLO MONTI

The applicant is the proprietor of the trade-mark registered under Certificate No. 100,739, Oct. 27, 1914, effected under the 10-year proviso of the act of Feb. 20, 1905.

Particular description of goods.—Canned Olive Oil.

Claims use since January, 1889.

Ser. No. 231,530. (CLASS 37. PAPER AND STATIONERY.) L. S. DIXON & CO., LTD., Liverpool, England. Filed May 13, 1926.

DIXOTYPE

Particular description of goods.—Boards of Paper or Flongs.

Claims use since Apr. 10, 1911.

Ser. No. 231,584. (CLASS 12. CONSTRUCTION MATERIALS.) CALDURO MEMORIAL CORPORATION, Bedford, Ind. Filed May 14, 1926.

CALDURO

Particular description of goods.—Building Stone.

Claims use since Apr. 10, 1926.

Ser. No. 231,611. (CLASS 12. CONSTRUCTION MATERIALS.) DANIEL M. RAMM, INC., Brooklyn, N. Y. Filed May 14, 1926.

ELB-RAM

Particular description of goods.—Marble Split, Sawn, Cut, and Finished for Architectural Trimmings for Buildings and for Bases and Other Decorative Parts for Electrical and Other Fixtures for Use in Buildings and for Floors and Walls of Buildings.

Claims use since 1st day of January, 1926.

Ser. No. 231,895. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTOMATIC SODA DISPENSING CORPORATION, Philadelphia, Pa. Filed May 20, 1926.

AUTO-FLO

Particular description of goods.—Automatic Coin-Controlled Beverage Dispensing and Vending Machines.
Claims use since Sept. 1, 1925.

Ser. No. 232,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILFRED LABORATORIES, INC., New York, N. Y. Filed May 22, 1926.

HAIREX

Particular description of goods.—Toilet Preparations—Namely, Hair-Removing Wax or Depilatory.
Claims use since prior to August, 1922.

Ser. No. 232,139. (CLASS 32. FURNITURE AND UPHOLSTERY.) KOMPASS & STOLL COMPANY, INC., Niles, Mich. Filed May 24, 1926.

"Sno White"

Particular description of goods.—Kitchen Table Tops.
Claims use since 1920.

Ser. No. 232,633. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE TILDESLEY COAL COMPANY, Cincinnati, Ohio. Filed June 2, 1926.



The word "Coal" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Coal.
Claims use since August, 1924.

Ser. No. 232,696. (CLASS 12. CONSTRUCTION MATERIALS.) THE RICHARDSON COMPANY, Lockland, Ohio, assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1926.

Multicrome Thatch

Particular description of goods.—Composition Shingles.
Claims use since Oct. 22, 1924.

Ser. No. 232,882. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILA. SCOOP & SCALE MFG. CO., Philadelphia, Pa. Filed June 8, 1926.



The lining on the drawing indicates the colors gold and red.
Particular description of goods.—Scales.
Claims use since September, 1912.

Ser. No. 232,883. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILA. SCOOP & SCALE MFG. CO., Philadelphia, Pa. Filed June 8, 1926.



Particular description of goods.—Scales.
Claims use since March, 1921.

Ser. No. 232,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. DERRENBACHER, INC., New York and Brooklyn, N. Y. Filed June 9, 1926.



No claim is made herein to the representation of the dollar mark apart from the mark shown.
Particular description of goods.—Candy.
Claims use since about January, 1914.

Ser. No. 233,442. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed June 18, 1926.

ACE

Particular description of goods.—Artificial Baits.
Claims use since March, 1926.

Ser. No. 233,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAWN DONUT COMPANY OF JACKSON, Jackson, Mich. Filed June 19, 1926.

Dawn

Particular description of goods.—Doughnuts, a Prepared Doughnut Flour, and Potato Chips.
Claims use since June 1, 1922.

Ser. No. 233,935. (CLASS 15. OILS AND GREASES.) INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed June 30, 1926. Under section 5b of the act of 1905 as amended in 1920.

McCORMICK-DEERING

Particular description of goods.—Lubricating Oil.
Claims use since May 1, 1926.

Ser. No. 234,150. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) QUALITY SPECIALTY MFG. CO., St. Paul, Minn. Filed July 3, 1926.

EZ SHARP

Particular description of goods.—Mechanical and Automatic Stroppers.
Claims use since June 1, 1926.

Ser. No. 234,371. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BUZZA COMPANY, Minneapolis, Minn. Filed July 10, 1926.



No claim is made to the words "A Gift Motto" apart from the mark shown in the drawing. The lining on the drawing indicates the color yellow.
Particular description of goods.—Gift Mottoes.
Claims use since May 5, 1926.

Ser. No. 235,176. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed July 26, 1926.

SO-TAST-EE

Particular description of goods.—Animal Cookies, Biscuits, Butter Flakes, Butter Sodas, Cheese Wafers, Chocolate Buds, Chocolate Snaps, Coconut Taffy Bars, Fig Patties, Ginger Snaps Junior, Graham Biscuits, Lemon Snaps Primrose, Tea Biscuits, Oatmeal Biscuits, Oyster Crackers, Soda Crackers, Short Cakes, Sugar Wafers, Sweet Crackers, Tea Dreams, Vanilla Snaps Primrose, Vanilla Wafers, Zwieback, Angel Food Cakes, Butter Sodas, Caramel Fingers, Chocolate Sugar Wafers, Cocoanut Macaroons, Corn Crackers, Coffee Cakes, Cracker Meal, Cream Puffs, Dutch Cakes, French Cakes, Graham Crackers, Malted Milk Sugar Wafers, Lemon Cakes, Oatmeal Crackers, Peanut Cakes, Pure Milk Chocolates, Pretzels, Raisin Cookies, Vanilla Wafers.
Claims use since Apr. 1, 1922.

Ser. No. 235,729. (CLASS 7. CORDAGE.) BROOKRICK & BASCOM ROPE COMPANY, St. Louis, Mo. Filed Aug. 9, 1926.

B & B REPUBLIC SPECIAL

No claim is made to the word "Special" apart from the mark shown.

Particular description of goods.—Wire Rope Drilling Cables.

Claims use since on or about Oct. 1, 1925.

Ser. No. 235,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CRESTA BLANCA COMPANY, San Francisco, Calif. Filed Aug. 11, 1926.

CRESTA BLANCA

Particular description of goods.—Canned Fruits, Fruit Preserves, Fruit Jellies, Jams, Fruit Juice for Use in Making Jellies, Jams, and Preserves, Olive Oil, Vinegar, and Fresh Grapes.

Claims use since July 10, 1920.

Ser. No. 235,817. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HOSPITAL SPECIALTY CO., Cleveland, Ohio. Filed Aug. 11, 1926.

COM-FO-NAP

Particular description of goods.—Sanitary Napkins.

Claims use since May 1, 1923.

Ser. No. 235,825. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HOSPITAL SPECIALTY CO., Cleveland, Ohio. Filed Aug. 11, 1926.

SANOS

Particular description of goods.—Sanitary Napkins.

Claims use since Jan. 1, 1926.

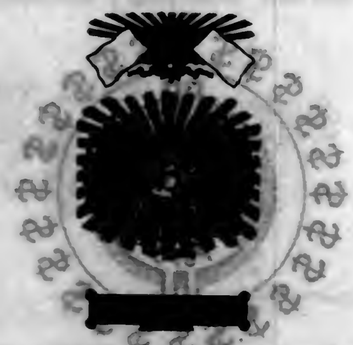
Ser. No. 235,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOBS CANDY CO., New Orleans, La. Filed Aug. 14, 1926.



Particular description of goods.—Candy.

Claims use since Mar. 1, 1926.

Ser. No. 236,222. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN D. PAPADEAS INC., New York, N. Y. Filed Aug. 20, 1926.



Applicant disclaims the word "Virgin" as being descriptive of olive oil. The horizontal lining indicates the color blue, the combined, broken, vertical, and horizontal lining indicates the color yellow or gold, and the diagonal lining which slants downwardly toward the right at an angle of forty-five degrees indicates the color green. The Greek characters upon the streamer suspended from the bird's bill mean "Refined." No special rights in the use of the Greek characters and word or in the figure of the bird are claimed apart from the mark.

Particular description of goods.—Olive Oil.

Claims use since Jan. 23, 1923.

Ser. No. 237,230. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) FOLLMER CLOSS & CO., Lancaster, Pa.; New York, N. Y.; Columbia, Philadelphia, Pa.; and San Francisco, Calif. Filed Sept. 14, 1926. Under 10-year proviso.

COLUMBIA

Particular description of goods.—Umbrellas, Umbrella Ribs, and Umbrella Frames.

Claims use since Jan. 1, 1893.

Ser. No. 237,425. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SUNCREST FLAVOR CO. INC., New York, N. Y. Filed Sept. 16, 1926.

Coffo

Particular description of goods.—A Nonalcoholic, Noncereal, Maltless Beverage, Sold as a Soft Drink, and Sirup for Making the Same.

Claims use since June 1, 1926.

Ser. No. 237,773. (CLASS 10. FERTILIZERS.) A. L. BACHRODT, doing business as Bachrodt & Company, San Jose, Calif. Filed Sept. 27, 1926.

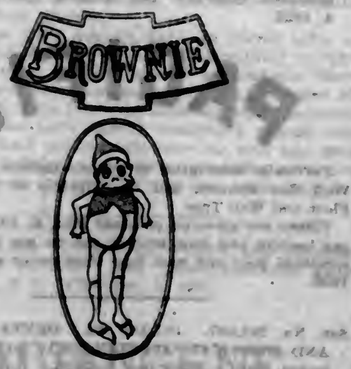
EVER-GRO PURE NEVADA PULVERIZED SHEEP MANURE

All words except the words "Ever Gro" are hereby disclaimed apart from the mark shown.

Particular description of goods.—Ground Animal Fertilizer or Pulverized Animal Manure.

Claims use since Apr. 1, 1926.

Ser. No. 237,776. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE BROWNIE CORPORATION, New York, N. Y. Filed Sept. 27, 1926.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since about Jan. 1, 1926.

Ser. No. 237,826. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 27, 1926.



Particular description of goods.—Safety Pins of Nonprecious Metal.

Claims use since July, 1926.

Ser. No. 238,529. (CLASS 12. CONSTRUCTION MATERIALS.) SEABOARD REFRACTORIES COMPANY, Valentine, N. J. Filed Oct. 12, 1926.

ZIRCOFRAX

Particular description of goods.—Refractory Bricks.

Claims use since on or about Aug. 1, 1926.

Ser. No. 238,883. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE K. WOLVERTON, doing business as Riddo-Girms Chemical Company, Detroit, Mich. Filed Oct. 19, 1926.



The shading in the drawing indicates the color gold.

Particular description of goods.—Tooth Paste, Liquid Disinfectant, a Liquid for Nasal and Throat Spray, Salve Preparation for Catarrh, Salve Preparation for Eczema, Salve Preparation for Hemorrhoids, and Liquid Preparation for Asthma.

Claims use since May 25, 1926.

Ser. No. 239,028. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINTKOTE COMPANY, Boston, Mass. Filed Oct. 22, 1926.

REX FLINTKOTE

Particular description of goods.—Roofing Felt and Roofing Paper, Prepared Roofing, Shingles, Strip Shingles, Valley and Ridge Strips, Prepared Flooring and Insulating Paper, Roofing Material, Comprising Felts Saturated with Compound, Roofing Material and Flooring Material Comprising Fibrous Sheet Material Saturated with Compound, Sheathing and Building Paper, Mineral-Surfaced Asphalt Shingles and Mineral-Surfaced Asphalt Roofing, Mineral-Surfaced Flexible Roofing Shingles Made from Fibrous Sheet Material Saturated and Coated with a Bituminous Compound, Asphalt, Emulsion-Liquid Asphalt.

Claims use since 1902.

Ser. No. 239,214. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Oct. 26, 1926.

MARQUISE

Applicant owns registration No. 48,973.
Particular description of goods.—Corsets.
Claims use since about 1901.

Ser. No. 239,230. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CONSTRUCTION SUPPLIES COMPANY OF AMERICA, New York, N. Y. Filed Oct. 26, 1926.

CONSUCO

Particular description of goods.—Compression Bibs and Stops, P Traps, Connected Waste and Overflow, Bath Cocks, Concealed and Exposed Fittings for Bathtubs, Shower Heads, Showers, Pop-Up Waste, Brass and Iron Valves, China Bidets, China and Enamel Iron Lavatories and Water-Closets, Wash Basins, Faucets, Bathroom Fixtures—Namely, Soap Holders, Brush Holders, Glass Holders, Hooks, Shelves, Towel Racks; Galvanized Brass and Iron and Lead Pipe and Drains, Iron and Brass Joints, Bathtubs, Malleable-Iron Pipe Fittings and Valves and Connections, Lead Pipes, Nails, Spikes, and Tacks.
Claims use since Jan. 1, 1926.

Ser. No. 239,240. (CLASS 12. CONSTRUCTION MATERIALS.) CONSTRUCTION SUPPLIES COMPANY OF AMERICA, New York, N. Y. Filed Oct. 26, 1926.

CONSUCO

Particular description of goods.—Construction Materials—Namely, Steel Beams, Tile, Portland Cement, Steel and Wooden Lath, Composition Flooring, Wall Board, Tarred Roofing Paper in Rolls.
Claims use since Jan. 1, 1926.

Ser. No. 239,606. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED WRIGHT, PERFUMER, INC., New York, N. Y. Filed Nov. 2, 1926.

Melodie

Particular description of goods.—Talcum Powder, Face Powders, Bath Salts, Tooth Powders, Sachet Powders, Almond Meal, Toilet Water, Headache Cologne, Smelling Salts, Vanishing Cream, Cold Cream, Tooth Paste, Rouge, Perfumes, Lip Rouge, Bath Powder, Toilet Cerate, and Skin and Tissue Cream.
Claims use since 1908.

Ser. No. 240,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEARS & HINCHLIFFE, Old Orchard, Me. Filed Nov. 22, 1926.



Particular description of goods.—Candy.
Claims use since Dec. 1, 1896.

Ser. No. 240,688. (CLASS 30. MUSICAL INSTRUMENTS AND SUPPLIES.) SOCIETA ITALIANA DI FONOTIPIA, Milan, Italy. Filed Nov. 27, 1926.

FONOTIPIA

Particular description of goods.—Talking Machines, Talking-Machine Records, Sound Boxes or Reproducers for Talking Machines, and Talking-Machine Needles.
Claims use since on or about Feb. 16, 1905.

Ser. No. 240,995. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PACIFIC GAS RADIATOR COMPANY, Los Angeles, Calif. Filed Dec. 4, 1926.

PACIFIC

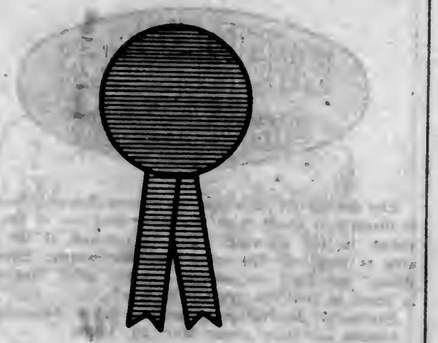
Particular description of goods.—Radiant Gas Heaters, Wall Gas Heaters, and Gas Heaters of the Combined Floor and Wall Type.
Claims use since on or about Mar. 6, 1923, on radiant gas heaters and wall heaters and on gas heaters of the combined floor and wall type since on or about Apr. 26, 1926.

Ser. No. 241,057. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AI ISHII, Sacramento, Calif. Filed Dec. 6, 1926.



The words "Easy Belt" are disclaimed apart from the mark as shown in the drawing. The portrait appearing on the drawing is fanciful and not that of any particular person.
Particular description of goods.—Sanitary Belts.
Claims use since Oct. 1, 1926.

Ser. No. 241,084. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BUCKLEY, NEWHALL COMPANY, New York, N. Y. Filed Dec. 7, 1926.



The drawing is lined to indicate the color blue.
Particular description of goods.—Electric Coffee and Tea Pots and Percolators, Electric Dishwashing Machines, Electric Vacuum Cleaners, Electric Broilers, Electric Cookers and Atmospheric Electric Heaters, Stoves, and Lamps, Electrollers, and Radio Receiving, Detecting, and Transmitting Apparatus and Parts Thereof, Comprising Radio Receiving Sets, Loud Speakers, Aerial Loops, Amplifiers, Consisting of Electron Tubes, Vacuum Tubes, Grid Leaks, and Head Phones and Radio Transmitting Sets and Parts Thereof.
Claims use since Aug. 10, 1910, on electric coffee and tea pots and percolators, electric dishwashing machines, vacuum cleaners, broilers, electric cookers, and electric heaters, stoves and lamps and electrollers, and since May 20, 1924, on radio receiving, detecting, and transmitting apparatus, and parts thereof, comprising vacuum tubes, grid leaks, head phones, radio receiving sets, loud speakers, aerial loops and amplifiers, consisting of electron tubes and radio transmitting sets and parts thereof.

Ser. No. 241,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. ANNIE BLECKLEY MEANS, Anderson, S. C. Filed Dec. 7, 1926.

MYANGENE

Particular description of goods.—Canned Filling for Cakes, Pies, Sandwiches, and Sauce.
Claims use since May, 1926.

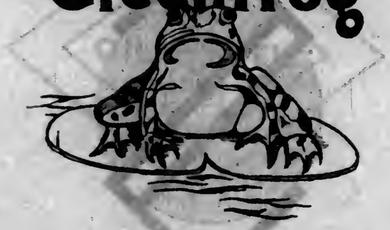
Ser. No. 241,814. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE COMPANY, Chicago, Ill. Filed Dec. 22, 1926.

SENSATHERM

Particular description of goods.—Electric Controls for Electric Switches, Temperature - Operated Electric Switches, Pressure-Operated Electric Switches, and Parts Thereof.
Claims use since on or about Dec. 14, 1926.

Ser. No. 241,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. MERWIN, Strathmore, Calif. Filed Dec. 23, 1926.

Green Frog



Particular description of goods.—Fresh Deciduous Fruits—Fresh Grapes.
Claims use since Oct. 1, 1925.

Ser. No. 241,936. (CLASS 27. HOROLOGICAL INSTRUMENTS.) DIDISHEIM-GOLDSCHMIDT FILS ET CIE, FABRIQUE JUVENIA, La Chaux-de-Fonds, Switzerland. Filed Dec. 24, 1926.

LE PETIT FORGERON

Particular description of goods.—Watches, Watch Parts, Watch Cases, Standing or Hanging Small Clocks, Clocks, and Clock Parts.
Claims use since May 17, 1925.

Ser. No. 242,091. (CLASS 21, ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Dec. 29, 1926.

Cecil

Particular description of goods.—Electric Flatirons.
Claims use since Nov. 10, 1920.

Ser. No. 242,151. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE STOVER SIGNAL ENGINEERING CO., Wilmington, Del., and Racine, Wis. Filed Dec. 29, 1926.



The circular shaded portion in the drawing colored in red.

Particular description of goods.—Electrical Vehicle Lamps.

Claims use since Nov. 1, 1923.

Ser. No. 242,430. (CLASS 12. CONSTRUCTION MATERIALS.) THE HATCH & BAILEY COMPANY, South Norwalk, Conn. Filed Jan. 6, 1927.



No rights are asserted to the exclusive use of the word "Products" apart from the trade-mark shown in the drawing.

Particular description of goods.—Builders' Products—Namely, Timber (Treated for Use in Building Operations), Rough Lumber, Surfaced Lumber, Laths (Wood and Metal), Wall Boards, Fir Gutters, Roofing Paper, Lattice, Frames (Door and Window), Sash, Doors, Blinds, Moldings, Trim (Door and Window), Wooden Millwork, Newels, Newel Posts, Rails, Columns, Balusters, Stair Treads, Risers, Bullnose (Stair Material), Gooseneeks (Stair Material), Easements (Stair Material), Stringers (Stair Material), Concrete-Filled Steel Posts, and Built-In Conveniences Consisting of Kitchen Dressers, Medicine Cabinets, Broom Closets, Telephone Cabinets, China Closets, Wardrobes, Drain Boards, and Breakfast Nooks.

Claims use since Nov. 2, 1926.

Ser. No. 242,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THREE RIVERS GROWERS ASSOCIATION, Kennewick, Wash. Filed Jan. 17, 1927.



The descriptive notation "Evergreen Brand Asparagus" is disclaimed apart from the other features of the mark shown in the drawing. The background of the ovate area is lined for the color blue, the words "Evergreen Brand" are lined for orange, and the word "Asparagus" is lined to indicate grayish brown.

Particular description of goods.—Fresh Asparagus.

Claims use since about Mar. 20, 1926.

Ser. No. 243,061. (CLASS 37. PAPER AND STATIONERY.) NEWARK PARAFFINE AND PARCHMENT PAPER CO., Newark, N. J., and New York, N. Y. Filed Jan. 19, 1927.

TRANSEEN

Particular description of goods.—Glassine, Waxed Paper, and Combination of Waxed Glassine Paper.

Claims use since Nov. 30, 1923.

Ser. No. 243,072. (CLASS 21, ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES). STEWART-WARNER SPEEDOMETER CORPORATION, Chicago, Ill. Filed Jan. 19, 1927.

Stewart-Warner

The trade-mark includes the word "Stewart" in the form of a facsimile of the signature of John K. Stewart, founder and first president of this corporation, and the name "Warner" is displayed in a style consistent with said facsimile signature.

Particular description of goods.—Sound Amplifiers for Radio Receiving Apparatus.

Claims use since Dec. 1, 1926.

Ser. No. 243,081. (CLASS 12. CONSTRUCTION MATERIALS.) CHAMBERLIN METAL WEATHER STRIP COMPANY, Detroit, Mich. Filed Jan. 20, 1927.



Applicant is the owner of registration 86,784 effected under the 10-year proviso of the 1905 act. No claim is made to the words "Calk" and "For Sealing Cracks" apart from the mark shown.

Particular description of goods.—Calking.

Claims use since on or about Dec. 13, 1926.

Ser. No. 243,065. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAK FRIEDMAN, doing business as Glen Cove Beverage Co., Glen Cove, N. Y. Filed Jan. 20, 1927.



Applicant disclaims the words "Cuban Dry" apart from the mark shown in the drawing.

Particular description of goods.—Pale, Dry Ginger Ale, a Nonalcoholic, Noncereal Maltless Beverage Sold As a Soft Drink, and Sirup for Making the Same.

Claims use since June 5, 1926.

Ser. No. 243,413. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BUCK AND RAYNER, doing business as the Century Products Co., Chicago, Ill. Filed Jan. 27, 1927. Under 10-year proviso.

Jacrose

Particular description of goods.—Soap.

Claims use since Jan. 1, 1890.

Ser. No. 243,484. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany. Filed Jan. 28, 1927.

Ramasit

Particular description of goods.—Chemical Emulsifying Agents to Reduce Liquids or Other Bodies Such As Organic Solvents, Fats, Oils, Resins, Paraffin, Etc., to an Exceedingly Fine State of Division (Emulsion) Which Are Insoluble in or Not Miscible with Water.

Claims use since October, 1926.

Ser. No. 243,525. (CLASS 15. OILS AND GREASES.) BLACKHAWK PETROLEUM CO., Chicago, Ill. Filed Jan. 29, 1927.



No claim is made to the words "Oil Well" apart from the mark shown.

Particular description of goods.—Lubricating Oils and Greases.

Claims use since June 1, 1926.

Ser. No. 243,526. (CLASS 15, OILS AND GREASES.) BLACKHAWK PETROLEUM CO., Chicago, Ill. Filed Jan. 29, 1927.



Particular description of goods.—Lubricating Oils and Greases.

Claims use since Mar. 1, 1925.

Ser. No. 243,576. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ASSOCIATED DEVICES CORPORATION, St. Louis, Mo. Filed Jan. 31, 1927.

Priscilla

Particular description of goods.—Clothes Washing Machines Electrically Operated.

Claims use since Jan. 18, 1927.

Ser. No. 243,584. (CLASS 15. OILS AND GREASES.) BLACKHAWK PETROLEUM CO., Chicago, Ill. Filed Jan. 31, 1927.

BLACKHAWK

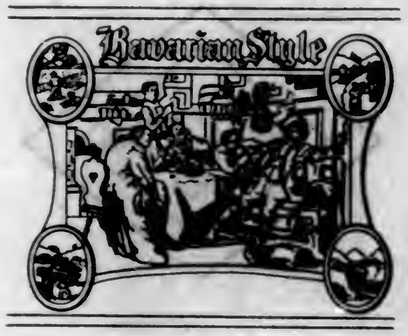
Particular description of goods.—Lubricating Oils and Greases.
Claims use since Mar. 1, 1925.

Ser. No. 243,753. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio. Filed Feb. 3, 1927.

Premier Airdry

Particular description of goods.—Electric Air Heater Attachments for Vacuum Cleaners.
Claims use since Jan. 6, 1927.

Ser. No. 243,768. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MILLER PRODUCTS COMPANY, Milwaukee, Wis. Filed Feb. 3, 1927.



"Bavarian Style" is disclaimed apart from the mark as shown. The characters shown in the trade-mark are merely fanciful.
Particular description of goods.—Concentrated Malt Sirup as a Food Product.
Claims use since Jan. 17, 1927.

Ser. No. 243,798. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BERO BROTHERS, Minneapolis, Minn. Filed Feb. 4, 1927.

"OH-BOY"

Particular description of goods.—Malt Beverages and Malt Sirup.
Claims use since Jan. 26, 1927.

Ser. No. 243,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH W. SHERIDAN, doing business as American Beauty Rose Ice Cream Cone Co., Quincy, Ill. Filed Feb. 5, 1927.



The pictorial representation of the cone is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Ice-Cream Cones.
Claims use since Aug. 15, 1926.

Ser. No. 244,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) I. A. WYNER & CO., INC., New York, N. Y., doing business as Shawmut Woolen Mills, Stoughton, Mass. Filed Feb. 8, 1927.

SHAWMUT
CHIFFON
JERSEY

No claim is made to the exclusive use of either the word "Chiffon" or the word "Jersey" except in combination and association with the rest of the mark.
Particular description of goods.—Knitted Worsted Jersey.
Claims use since April, 1921.

Ser. No. 244,108. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Feb. 9, 1927.

SECURITY

Particular description of goods.—Chambray and Gingham Cotton Goods in the Piece.
Claims use since June, 1915.

Ser. No. 244,236. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILBUR C. NORRIS, Tulsa, Okla. Filed Feb. 11, 1927.

"NOR-GRIP"

Particular description of goods.—Casing Clamps.
Claims use since June 7, 1926.

Ser. No. 244,300. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEBRÜDER SIEMENS & COMPANY, Berlin-Lichtenberg, Germany. Filed Feb. 12, 1927.

Neo-Silit

Particular description of goods.—Electric Conductor and Resistance Materials Made of Carbon, Metal, or Second-Class Conductor Substances in the Form of Bars, Ribbons, Wires, Rods, Tubes, Etc.; Heating Resistances for Furnaces, Air Heaters, Cooking Utensils, Etc.; Current-Regulating Resistances, Potentiometers for Radio and Like Purposes, Series Resistances, Grid Resistances, and Coupling Resistances.
Claims use since May, 1926.

Ser. No. 244,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITTEN-RADER-JOHNSON INC., Minneapolis, Minn. Filed Feb. 14, 1927.

Colonial Club

Particular description of goods.—Coffee.
Claims use since Apr. 1, 1926.

Ser. No. 244,447. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) IDEAL ROLLER AND MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 16, 1927.

IDEAL PROCESS

No claim is made to the roller nor to the word "Process" apart from the mark shown in the drawing.
Particular description of goods.—Rollers for Printing Presses, Lithographic Presses, Lacquering Machines, and Similar Devices Where Ink, Either for Writing or Printing, is Transmitted.
Claims use since Nov. 2, 1926.

Ser. No. 244,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILBUR A. MAHONEY, Jacksonville, Fla. Filed Feb. 16, 1927.

MOVAWL

Particular description of goods.—Preparation for the Relief of Headache, Neuralgia, Rheumatism, Lumbago, Laryngitis, Catarrh, Sore Throat, Cold in Head, and Insect Bites.
Claims use since May 1, 1925.

Ser. No. 244,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STOM-ULCE LABORATORIES, Chicago, Ill. Filed Feb. 25, 1927.

STOM-ULCE

Particular description of goods.—Medicine, Being a Stomach and Indigestion Preparation the Principal Ingredient of Which is Milk of Magnesia.
Claims use since Nov. 1, 1924.

Ser. No. 244,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TILTON & KEELER INC., New York, N. Y. Filed Feb. 26, 1927.

TEEKAY

Particular description of goods.—Cotton Piece Goods and Rayon and Cotton Mixtures and Silk and Cotton Mixtures.
Claims use since Nov. 3, 1926.

Ser. No. 245,041. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 1, 1927.

Patty Suits

The word "Suits" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' and Misses' Coats, Suits, Dresses, and Frocks.
Claims use since Feb. 8, 1927.

Ser. No. 245,080. (CLASS 37. PAPER AND STATIONERY.) CUNO R. BRYANT, Portland, Oreg. Filed Mar. 2, 1927.

ACCOUNTING
CUNOCAR
SERVICE

No claim is made to the words "Accounting Service" apart from the mark shown in the drawing.
Particular description of goods.—Account Books and Accounting Forms.
Claims use since July 15, 1922.

Ser. No. 245,091. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JACOB GOLDBERG, doing business as Ormont Watch Company, New York, N. Y. Filed Mar. 2, 1927.

ORMONT

Particular description of goods.—Watch Movements.
Claims use since May 15, 1926.

Ser. No. 245,167. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TRANS-LUX DAYLIGHT PICTURE SCREEN CORPORATION, New York, N. Y. Filed Mar. 3, 1927.

DAYLOGRAPH

Particular description of goods.—Automatic Projecting Advertising Machines.
Claims use since May 1, 1926.

Ser. No. 245,227. (CLASS 38. PRINTS AND PUBLICATIONS.) AUGUST ROSENBERG, New York, N. Y. Filed Mar. 4, 1927.

Taxalogue

Particular description of goods.—Printed Booklets and Printed Sheets Relating to Revenue Taxation, Life Insurance, and the Like, Published from Time to Time.
Claims use since Feb. 9, 1927.

Ser. No. 245,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARVER FILE COMPANY, doing business as Delta File Works, Philadelphia, Pa. Filed Mar. 11, 1927.

EXPERT'S-CHOICE

Particular description of goods.—Files.
Claims use since July 1, 1909.

Ser. No. 245,623. (CLASS 39. CLOTHING.) ALBERT B. EGGERS, Huntington Park, Calif. Filed Mar. 12, 1927.

Town Talk



Particular description of goods.—Men's, Women's, and Children's Hosiery. Men's and Boys' Work and Dress Shirts. Men's, Women's, and Children's Knitted and Textile Underwear.
Claims use since Sept. 1, 1926.

Ser. No. 245,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 12, 1927.



No claim is made to the representation of the bag. The mark consists in stripes arbitrarily spaced apart and extending diagonally of the bag.
Particular description of goods.—Poultry and Stock Feeds.
Claims use since November, 1917, on poultry feeds; Feb. 26, 1927, on horse feed; Dec. 26, 1926, on dairy feed; Jan. 17, 1927, on feed for pigs and hogs.

Ser. No. 245,738. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE MAJESTIC COMPANY, Huntington, Ind. Filed Mar. 14, 1927.

REGISEAT

Particular description of goods.—Hot-Air Heaters Other Than Electrical and Hot-Air Distributing Means.
Claims use since Jan. 1, 1927.

Ser. No. 245,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 14, 1927.



The term "Pig-N-Hog" is disclaimed apart from the mark as shown.
Particular description of goods.—Prepared Stock Feed.
Claims use since Jan. 17, 1927.

Ser. No. 245,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAKER BROTHERS COMPANY, Streator, Ill. Filed Mar. 16, 1927.

B.B.CO.

Particular description of goods.—Canned Vegetables—Namely, Sweet Potatoes, Tomatoes, Peas, Corn, Hominy, Spinach, and Beans; Canned Fruits—Namely, Pears, Peaches, Apricots, Pineapple, and Cherries; Canned Berries—Namely, Red Raspberries, Black Raspberries; Canned Pork and Beans, Coffee, Wheat Flour, Evaporated Milk, and Canned Salmon.
Claims use since 1901.

Ser. No. 245,835. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EARL C. FARMER, doing business as The Magnaco Company, San Francisco, Calif. Filed Mar. 16, 1927.

"THE MAGNACO"

Particular description of goods.—Electromagnetic Belts for Therapeutic Purposes.
Claims use since Dec. 3, 1926.

Ser. No. 245,896. (CLASS 39. CLOTHING.) DE CLAY HATS, INC., New York, N. Y. Filed Mar. 17, 1927.



Particular description of goods.—Hats for Men, Women, and Children.
Claims use since Feb. 10, 1927.

Ser. No. 245,979. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GENERAL PUBLIC UTILITIES COMPANY, Miami, Fla. Filed Mar. 18, 1927.



The words "Ice" and "Quality" are disclaimed apart from the mark as shown.
Particular description of goods.—Ice.
Claims use since August, 1926.

Ser. No. 246,149. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) H. C. BUGBIRD, doing business as H. C. Bugbird Co., New York, N. Y. Filed Mar. 22, 1927.

L-OX

Particular description of goods.—Absorptive Carbons for Liquid Oxygen Explosives.
Claims use since March 15, 1927.

Ser. No. 246,210. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Mar. 23, 1927.



No claim is made to the exclusive use of the words "Made by Jönköping-Vulcan Co. Jönköping, Sweden," "Safety Matches" apart from the mark as shown in the drawing, the shading in the drawing representing the color red.
Particular description of goods.—Matches.
Claims use since 1896.

Ser. No. 246,310. (CLASS 39. CLOTHING.) MORRIS SAFFER & SONS, New York, N. Y. Filed Mar. 24, 1927.

London
FASHION CLOTHES

Applicant disclaims the right to the geographical word "London" and the descriptive words "Fashion Clothes."

Particular description of goods.—Men's Suits and Overcoats.

Claims use since Jan. 15, 1925.

Ser. No. 246,438. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE ROYCROFTERS, East Aurora, N. Y. Filed Mar. 26, 1927.

Roycroft

Particular description of goods.—Candlesticks, Sconces, Lamps, Mainly of Base Metal, and Incense Burners, All Other Than Electrical.

Claims use since about 1908.

Ser. No. 246,471. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE COMPANY, Chicago, Ill. Filed Mar. 28, 1927.

PYRATHERM

Particular description of goods.—Electric Controls for Electric Switches, Temperature-Operated Electric Switches, Pressure-Operated Electric Switches, and Parts Thereof.

Claims use since on or about Mar. 25, 1927.

Ser. No. 246,519. (CLASS 39. CLOTHING.) UNIVERSAL GLOVE CO., Toledo, Ohio. Filed Mar. 28, 1927.

STEEL MAN

Particular description of goods.—Cloth Gloves.

Claims use since Feb. 19, 1927.

Ser. No. 246,587. (CLASS 15. OILS AND GREASES.) BEAVER OIL COMPANY, INC., Mountain View, N. J. Filed Mar. 30, 1927.

BEAVER

Particular description of goods.—Lubricating Oil, Gasoline, Kerosene, and Fuel Oil.

Claims use since July, 1925, lubricating oil; June, 1926, gasoline and kerosene; December, 1926, fuel oil.

Ser. No. 246,596. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GEORGES RAOUL COLSON, Paris, France. Filed Mar. 30, 1927.

B. George

No claim is made to the exclusive use of the character and name "R. George" apart from the mark shown in the drawing. The mark consists of the word and character "R. George," displayed in the distinctive manner shown, in association with the representation of a star.

Particular description of goods.—Wigs of All Descriptions for Men and Women and Transformations, Forelocks, Artificial Braids, Tresses, Chignons, and Other Headdresses Made of Hair.

Claims use since April, 1922.

Ser. No. 246,717. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 31, 1927.



The drawing is lined to indicate the colors red and blue.

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made From Petroleum Both with and without Admixture of Animal, Vegetable, or Mineral Substances for Illuminating, Burning, Power, Solvent, Fuel, and Lubricating Purposes, and Lubricating Greases.

Claims use since Jan. 14, 1925.

Ser. No. 246,718. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 31, 1927.



The drawing is lined to indicate the colors red and blue.

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made From Petroleum Both with and without Admixture of Animal, Vegetable, or Mineral Substances for Illuminating, Burning, Power, Solvent, Fuel, and Lubricating Purposes, and Lubricating Greases.

Claims use since Jan. 14, 1925.

Ser. No. 246,728. (CLASS 39. CLOTHING.) MORRIS BARON, New York, N. Y. Filed Apr. 1, 1927.

MAYBELL

Particular description of goods.—Men's, Women's, and Children's Hosiery, Knitted Underwear, and Textile Underwear.

Claims use since September, 1922.

Ser. No. 246,798. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) OSCAR WINTER, Philadelphia, Pa. Filed Apr. 1, 1927.

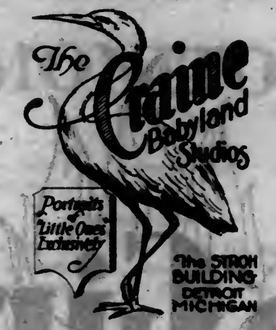
AIR-CELL

No claim is made to the term "Air-Cell" apart from the mark as shown.

Particular description of goods.—Table Pads Having a Core of Corrugated Strawboard or Analogous Material Inclosed in Sheets of Fiber Board or Analogous Material with a Facing of Waterproof Material and a Backing of Soft, Smooth Textile Fabric to be Used Under a Tablecloth to Protect the Polished Surface of a Table.

Claims use since Mar. 24, 1927.

Ser. No. 246,815. (CLASS 38. PRINTS AND PUBLICATIONS.) BENJAMIN H. CRAINE, doing business as Rembrandt Studios, Detroit, Mich. Filed Apr. 2, 1927.



The words "Portraits of Little Ones' Exclusively" and the words "The Stroh Building, Detroit, Michigan" are hereby disclaimed as a part of said trade-mark apart from the mark shown. No claim is made to the words "The Craine Babyland Studios" apart from the mark shown.

Particular description of goods.—Photographs—Namely, Photographs of Persons and Groups of Persons.

Claims use since Jan. 1, 1925.

Ser. No. 246,819. (CLASS 38. PRINTS AND PUBLICATIONS.) BENJAMIN H. CRAINE, doing business as Rembrandt Studios, Detroit, Mich. Filed Apr. 2, 1927.



The word "Detroit" is hereby disclaimed.

Particular description of goods.—Photographs—Namely, Photographs of Persons and Groups of Persons.

Claims use since Jan. 1, 1925.

Ser. No. 246,936. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SPINAL-MAGNETTO CO., San Diego, Calif. Filed Apr. 4, 1927.

SPINAL-MAGNETTO

Particular description of goods.—Electric Treating Pads.

Claims use since Nov. 1, 1926.

Ser. No. 246,956. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JEAN FERDINAND-DREYFUS, Paris, France. Filed Apr. 5, 1927.

D'Gir

Particular description of goods.—Pocket Lighters, Tinder Boxes, and Supplies Such as Wicks, Pyrophoric Alloys, Liquid Funnels, and the Like Intended to be Used in Connection with Pocket Lighters Burning Benzine and Alcohol, and Tinder Boxes.
Claims use since Oct. 19, 1926.

Ser. No. 247,011. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BERNARD GOLDENHORN, doing business as Chavant Mfg. Co., Jersey City, N. J. Filed Apr. 6, 1927.

Clayette

Particular description of goods.—Plastic Modeling Material.
Claims use since May 29, 1923.

Ser. No. 247,015. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BERNARD GOLDENHORN, doing business as Chavant Mfg. Co., Jersey City, N. J. Filed Apr. 6, 1927.

PARAMOUNT BRAND

No claim is made to the word "Brand."
Particular description of goods.—Plastic Modeling Material.
Claims use since Sept. 3d, 1914.

Ser. No. 247,099. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REICHARD-COULSTON INC., New York, N. Y. Filed Apr. 7, 1927.

FAR

Particular description of goods.—Dry-Earth Pigments for Use Particularly in Paints.
Claims use since 1875.

Ser. No. 247,117. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 8, 1927.

Juillura

Particular description of goods.—Woolen Textile Fabrics in the Piece.
Claims use since about Dec. 15, 1926.

Ser. No. 247,162. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES H. BERRY, Bakersfield, Calif. Filed Apr. 9, 1927.

BERRY'S SHASTA BERRY'S "The Soap That Whitens"

The words, "Your Surety for Purity," "Brand Products," and "The Soap That Whitens" are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Soap Flakes.
Claims use since December, 1921.

Ser. No. 247,261. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHOPAK TEXTILE CO., INC., New York, N. Y. Filed Apr. 11, 1927.

EVACHARM

Particular description of goods.—Knitted Silk Goods in the Piece.
Claims use since Sept. 17, 1926.

Ser. No. 247,309. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BINGHAMTON WATER PROOFING COMPANY, Binghamton, N. Y. Filed Apr. 12, 1927.

TRUE BLUE

Particular description of goods.—Black Dressing for Auto Tops.
Claims use since April, 1926.

Ser. No. 247,376. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROGER G. LAPITE, doing business as Automotive Manufacturing Company, Kansas City, Mo. Filed Apr. 13, 1927.

Electra

Particular description of goods.—Generator-Brush Holders, Battery Cables, Generator Housings, Generator Brackets, Battery-Post Clamps, Timer Housings, Insulated Wire, and Spark Plug Lead Wires.
Claims use since July, 1926.

Ser. No. 247,401. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UEBER & GERBER, Elizabeth, N. J. Filed Apr. 13, 1927.

LIX-AIR

Particular description of goods.—Rust-Proofing Material in the Nature of a Varnish.
Claims use since Feb. 15, 1927.

Ser. No. 247,444. (CLASS 31. FILTERS AND REFRIGERATORS.) EMMET PLATTEN, doing business as Platten Refrigeration Company, Green Bay, Wis. Filed Apr. 14, 1927.

Conducto TRADE MARK

The words "Trade-Mark" are disclaimed apart from the mark shown.
Particular description of goods.—Refrigeration Counters.
Claims use since Sept. 5, 1926.

Ser. No. 247,486. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONITOR COAL & COKE COMPANY, Huntington, W. Va. Filed Apr. 15, 1927.

MONITOR

Particular description of goods.—Coal.
Claims use since 1904.

Ser. No. 247,487. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONITOR COAL & COKE COMPANY, Huntington, W. Va. Filed Apr. 15, 1927.

FAMOUS BLOCK MONITOR

Exclusive use of the words "Famous" and "Block" is disclaimed excepting in connection with the trade-mark as shown.
Particular description of goods.—Coal.
Claims use since 1904.

Ser. No. 247,571. (CLASS 37. PAPER AND STATIONERY.) REVERSIBLE COLLAR COMPANY, doing business as Middlesex Products Company, Boston, Mass. Filed Apr. 16, 1927.

Particular description of goods.—Coated Paper with Glazed, Plaited, or Embossed Finish Used in Manufacturing for Covering Paper Boxes, for Wrappers, Labels, Bands, and the Like, Paper Coated for Use with Recording Instruments, and Paper Backed with an Adhesive Applied Layer of Cloth Used for Manufacturing Tags, Maps, Charts, Drawings, Safety Envelopes, Children's Picture Books, Booklet Covers, Advertising, and Display Posters, Work Tickets, and the Like.
Claims use since about July 1, 1923.

Ser. No. 247,581. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VARNISH PRODUCTS CO., Brooklyn, N. Y. Filed Apr. 16, 1927.

DUTCH MASTERS



The portrait shown in applicant's said trade-mark is merely a fanciful portrait and does not represent any living or deceased individual.

Particular description of goods.—Ready-Mixed Paints and Varnishes.

Claims use since Nov. 11, 1926.

Ser. No. 247,614. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MINNIE A. HANSON, doing business as Kleenslick Mfg. Co., St. Paul, Minn. Filed Apr. 18, 1927.

KLEENSLICK

Particular description of goods.—Powdered Hand Soap.

Claims use since Feb. 15, 1927.

Ser. No. 247,625. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK D. MILLER, Denver, Colo. Filed Apr. 18, 1927.

HERE'S HOW

Particular description of goods.—Periodically-Published Cartoons.

Claims use since Apr. 1, 1927.

Ser. No. 247,653. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. P. WOODSON CO., Washington, D. C. Filed Apr. 18, 1927.

Certificate Coal

Applicant disclaims the right to the exclusive use of a certificate per se. The words "Coal" and "Anthracite" being disclaimed.

Particular description of goods.—Coal.

Claims use since Apr. 12, 1927.

Ser. No. 247,693. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. T. HODGE, doing business as Valley Fruit and Vegetable Exchange, Harlingen, Tex. Filed Apr. 19, 1927.

TEXAS PRIDE



The applicant disclaims the geographical word "Texas," except in the connection shown.

Particular description of goods.—Fresh Fruits—Namely, Grapefruit and Oranges.

Claims use since Jan. 2, 1925.

Ser. No. 247,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADELAIDE ORTEGAT, doing business as Parfumerie de Boor, Paris, France. Filed Apr. 20, 1927.

LAJI

Particular description of goods.—Skin Tonic.

Claims use since Dec. 6, 1926.

Ser. No. 247,748. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADELAIDE ORTEGAT, doing business as Parfumerie de Boor, Paris, France. Filed Apr. 20, 1927.

LAJU

Particular description of goods.—Hair Tonic.

Claims use since Dec. 6, 1926.

Ser. No. 247,767. (CLASS 39. CLOTHING.) YORKSHIRE KNITTING CO., INC., New York, N. Y. Filed Apr. 20, 1927.

YORKSHIRE PRESTO

Applicant owns registration No. 147,891.

Particular description of goods.—Knitted Goods—Namely, Slip-Over Sweaters, Coat Sweaters, and Blouse Sweaters, Knitted Caps and Leggings.

Claims use since about Mar. 15, 1927.

Ser. No. 247,823. (CLASS 43. THREAD AND YARN.) S. & H. DYEING CO., INC., West New York, N. J. Filed Apr. 21, 1927.

MOTHER OF PEARL SOUPLE

Applicant disclaims the word "Souple" except as shown in the drawing.

Particular description of goods.—Rayon Yarn (Artificial Silk or Mixtures of Artificial Silk and Other Fibers).

Claims use since Jan. 2, 1927.

Ser. No. 247,840. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINTKOTE COMPANY, Boston, Mass. Filed Apr. 22, 1927.

REXTAB

Particular description of goods. — Mineral-Surfaced Asphalt Shingles and Mineral-Surfaced Asphalt Roofing.

Claims use since on or about Feb. 25, 1927.

Ser. No. 247,902. (CLASS 37. PAPER AND STATIONERY.) SAMUEL MANUS, Brooklyn, N. Y. Filed Apr. 23, 1927.



The drawing is lined for the purpose of shading merely, and no claim is made to the word "A-just-able" apart from the mark shown.

Particular description of goods.—Covers for Sheet Music.

Claims use since 1920.

Ser. No. 247,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN SMITHLINE, doing business as Hair-O-Neet Chemical Company, New York, N. Y. Filed Apr. 23, 1927.



The drawing is lined for the colors red and black, which are claimed as features of the mark.

Particular description of goods.—Hair-Dressing Cream.

Claims use since about May, 1926.

Ser. No. 247,942. (CLASS 12. CONSTRUCTION MATERIALS.) THE FLINTKOTE COMPANY, Boston, Mass. Filed Apr. 25, 1927.

Rexaganel

Particular description of goods.—Mineral-Surfaced Asphalt Shingles and Mineral-Surfaced Asphalt Roofing.

Claims use since on or about Nov. 18, 1926.

Ser. No. 247,983. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Filed Apr. 25, 1927.

Natchee-Pak

Particular description of goods.—Canned Fruits.

Claims use since Aug. 1, 1925.

Ser. No. 248,026. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMAZINE PRODUCTS CO., East Liverpool, Ohio. Filed Apr. 27, 1927.

A-MAZ-INE

Particular description of goods.—A Cleaning Compound for Painted, Varnished, and Enameled Surfaces.

Claims use since Mar. 1, 1927.

Ser. No. 248,064. (CLASS 39. CLOTHING.) LOUIS STRAUS, INC., San Francisco, Calif. Filed Apr. 27, 1927.

BEAUPARK

The lining upon the drawing indicates shading only.

Particular description of goods.—Men's and Young Men's Suits and Overcoats.

Claims use since Apr. 5, 1927.

Ser. No. 248,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC TRADING CO., San Francisco, Calif. Filed Apr. 29, 1927.

Suki-Yaki

Particular description of goods.—Vegetable Sauce Made of Soy Beans and Wheat and Seasoned with Salt Used as a Food Dressing.
Claims use since Dec. 1, 1926.

Ser. No. 248,191. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE PARKERSBURG IRON AND STEEL CO., Beechwood, Parkersburg, W. Va. Filed Apr. 29, 1927.

ZNAPPER

Particular description of goods.—Stovepipes.
Claims use since Mar. 21, 1927.

Ser. No. 248,200. (CLASS 2. RECEPTACLES.) SPARKLETS, INCORPORATED, New York, N. Y. Filed Apr. 29, 1927.

SPARKLETS

Particular description of goods.—Siphon Bottles.
Claims use since about July, 1926.

Ser. No. 248,243. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK F. OSTRANDER, New York, N. Y. Filed Apr. 30, 1927.

OMI

Particular description of goods.—Metal Polish.
Claims use since February, 1910.

Ser. No. 248,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING PHARR, Catherine, Ala. Filed Apr. 30, 1927.



OKRA DINNER

The word "Okra" and the representation of the vegetables is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Canned Vegetable Sauce.
Claims use since 1926.

Ser. No. 248,282. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ANNA CODY, doing business as Cody Manufacturing Co., Cedar Rapids, Iowa. Filed May 2, 1927.

C-S

Particular description of goods.—A Cleansing Compound for All Smooth Surfaces and for Laundry Use.
Claims use since about Apr. 1, 1927.

Ser. No. 248,294. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE COMPANY, Chicago, Ill. Filed May 2, 1927.

VISAFLAME

Particular description of goods.—Electric Controls for Electric Switches, Temperature-Operated Electric Switches, Pressure-Operated Electric Switches, and Parts Thereof.
Claims use since Mar. 31, 1927.

Ser. No. 248,298. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HESTON & ANDERSON, Fairfield, Iowa. Filed May 2, 1927.

H & A

Particular description of goods.—Portable Electric Bench Machines Consisting of Portable Electric Band Saws, Portable Electric Ripsaws, Portable Electric Swing Saws, Portable Electric Jointers, Portable Electric Wood Lathes, Portable Electric Bench Grinders.
Claims use since Nov. 11, 1926.

Ser. No. 248,414. (CLASS 12. CONSTRUCTION MATERIALS.) THE LEHON COMPANY, Chicago, Ill. Filed May 4, 1927.

MULE-HIDE

Particular description of goods.—Asbestos Shingles.
Claims use since 1908.

Ser. No. 248,415. (CLASS 12. CONSTRUCTION MATERIALS.) THE LEHON COMPANY, Chicago, Ill. Filed May 4, 1927.

NOT A KICK IN A MILLION FEET

Particular description of goods.—Asbestos Shingles.
Claims use since September, 1908.

Ser. No. 248,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

Altamont

Particular description of goods.—Canned Fruits.
Claims use since July 1, 1921.

Ser. No. 248,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

HO-SAY

Particular description of goods.—Canned Fruits.
Claims use since Aug. 1, 1919.

Ser. No. 248,429. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

HILL CREST

Particular description of goods.—Canned Fruits.
Claims use since July 26, 1919.

Ser. No. 248,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

LOS ALTOS

Particular description of goods.—Canned Fruits.
Claims use since July 1, 1921.

Ser. No. 248,434. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

Robles

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Aug. 21, 1919.

Ser. No. 248,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

RED MOUNT



The drawing is lined for the color red.

Particular description of goods.—Canned Vegetables, Canned Tomato Puree, and Tomato Catchup.

Claims use since Jan. 8, 1923.

Ser. No. 248,480. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMANSON, BATES & CO. LTD., Toronto, Ontario, Canada. Filed May 5, 1927.



The portrait and signature are those of the late Dr. A. W. Chase, who died a number of years ago.

Particular description of goods.—Pills for Relieving Headache, Biliousness, Liver and Kidney Trouble, Indigestion, Jaundice, and Constipation; Medicines for Treating Coughs, Colds, Catarrh, Nerves, and Liver; Liniment for Treating Cuts and Wounds, Hives, Burns, and Irritations of the Skin; Mouth Washes; and Plasters for Use in Relieving Backache.

Claims use since 1894.

Ser. No. 248,492. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GLASS DECORATING CORPORATION, Baltimore, Md. Filed May 5, 1927.

GLASDECO

Particular description of goods.—Signs Made of Glass and Decorated Glass.

Claims use since Apr. 25, 1927.

Ser. No. 248,514. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PYRAGLASS PRODUCTS, INC., Newburgh, N. Y. Filed May 5, 1927.

"Welded on Wood"

Particular description of goods.—Advertising Display Signs and Art Panels and Pictures Comprising a Display Surface Protected by a Coating of Transparent Material.

Claims use since Apr. 21, 1926.

Ser. No. 248,560. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 6, 1927.

TODDLE PANTS

Applicant disclaims exclusive use of the word "Pants" apart from the mark shown in the drawing.

Particular description of goods.—Babies' Rubber Pants.

Claims use since Jan. 20, 1927.

Ser. No. 248,569. (CLASS 39. CLOTHING.) HARRY FINK & COMPANY, Los Angeles, Calif. Filed May 6, 1927.

DeVine

Particular description of goods.—Hosiery.

Claims use since Feb. 18, 1927.

Ser. No. 248,588. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE J. M. NEY COMPANY, Hartford, Conn. Filed May 6, 1927.

B-2

Particular description of goods.—Gold Alloys for Dental Purposes.

Claims use since Feb. 1, 1927.

Ser. No. 248,589. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE J. M. NEY COMPANY, Hartford, Conn. Filed May 6, 1927.

G-3

Particular description of goods.—Gold Alloys for Dental Purposes.

Claims use since Feb. 1, 1927.

Ser. No. 248,590. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ORESTE PENNINO, doing business as Pennino Brothers, New York, N. Y. Filed May 6, 1927.



Particular description of goods.—Jewelry for Personal Use or Adornment Consisting of Finger Rings, Earrings, Bracelets, Pendants, Necklaces, Watch Bracelets, Bags, Brooches, Buckles, Bar Pins, and Cuff Links, Lorgnettes, Studs, Scarf Pins, Hatpins, Vest Buttons, and Handy Pins Made of or Plated with Precious Metal.

Claims use since Nov. 1, 1926.

Ser. No. 248,593. (CLASS 39. CLOTHING.) REAL SILK HOSIERY MILLS, Indianapolis, Ind. Filed May 6, 1927.

TAILORED HEEL

No exclusive claim is made to the word "Heel" apart from the mark shown.

Particular description of goods.—Hosiery.

Claims use since Apr. 30, 1927.

Ser. No. 248,594. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) H. E. RICE COMPANY, Muskegon, Mich. Filed May 6, 1927.

RICE

Particular description of goods.—Pocketbooks, Key Cases, Cigarette Cases, Wallets, Letter Cases, Leather Soft-Collar Cases, Handkerchief Cases, Leather Playing-Card Cases, Hand Bags, Brief Cases, Catalogue Cases, Portfolios, Leather Accountants' Cases, Leather Brief Envelopes, Leather Insurance Cases, and Music Cases.

Claims use since Jan. 1, 1925.

Ser. No. 248,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WINOER CANNING COMPANY, Circleville, Ohio. Filed May 6, 1927.

WOODLAWN

Particular description of goods.—Canned Vegetables.

Claims use since Mar. 1, 1927.

Ser. No. 248,632. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN I. GILBERG, Cincinnati, Ohio. Filed May 7, 1927.

DULLEN

Particular description of goods.—Canned Fruits, Canned Vegetables, Preserved Pickles, Mincemeat, Fruit Preserves, and Condiments, Viz, Chili Sauce, Salad Dressing, and Catchup.

Claims use since Apr. 30, 1927.

Ser. No. 248,638. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WILLIAM L. LANGE, New York, N. Y. Filed May 7, 1927.

CHALLENGER

Particular description of goods.—Banjos and Strings, Bridges, Tail Pieces, Picks, and Resonators Therefor; Banjo Ukuleles and Strings, Bridges, Tail Pieces, Picks, and Resonators Therefor; Banjo Mandolins and Strings, Bridges, Tail Pieces, and Picks Therefor; Mandolins and Strings, Bridges, Tail Pieces, and Picks Therefor; Lutes and Strings, Bridges, Tail Pieces, and Picks Therefor; and Guitars and Strings, Bridges, Tail Pieces, and Picks Therefor.

Claims use since Mar. 1, 1927.

Ser. No. 248,645. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MULLER & KAPLAN, New York, N. Y. Filed May 7, 1927.

Keelok

Particular description of goods.—Strings for Violins and Similar Musical Instruments.

Claims use since May 1, 1919.

Ser. No. 248,655. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED ELECTRICAL MANUFACTURING COMPANY, Adrian, Mich. Filed May 7, 1927.

ESKIMO

Particular description of goods.—Electrically-Driven Liquid Mixers and Electrical Fans.

Claims use since April, 1926.

Ser. No. 248,675. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed May 9, 1927.



Applicant disclaims any exclusive right to the words "Motors" and "America's Standard" apart from the mark as shown. The lining forming the background for the words "Continental Motors" and "America's Standard" represents the color red.

Particular description of goods.—Internal-Combustion Engines for General Power Application; Complete Industrial-Power Units for General-Power Application, Each Unit Including an Internal-Combustion Engine Mounted in a Frame with Cooling Fluid and Fuel Tanks; Replacement and Spare Parts for Such Engines and Power Units; and Accessories for Such Engines and Power Units Including Carburetors, Fuel Economizers, Fuel Heaters, Supercharging Devices, Governors and Controlling Devices; Gearing and Transmission Devices including Clutches, Lubricating Devices, and Lubricant-Purifying Devices, Air Cleaners and Regulators, Fuel Feeding and Purifying Devices, and Engine Vibration Dampers.

Claims use since Mar. 18, 1914.

Ser. No. 248,687. (CLASS 37. PAPER AND STATIONERY.) HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Filed May 9, 1927.



All wording appearing upon the drawing is disclaimed apart from the mark as shown.

Particular description of goods.—Toilet Paper.

Claims use since Apr. 3, 1926.

Ser. No. 248,708. (CLASS 39. CLOTHING.) MELVILLE SHOE CORPORATION, New York, N. Y. Filed May 9, 1927.



Applicant owns registration Nos. 170,095 and 170,485. The words "Ample Instep Style" apart from the other features of the trade-mark are disclaimed.

Particular description of goods.—Leather and Combination Cloth and Leather Shoes.

Claims use since Feb. 23, 1927.

Ser. No. 248,710. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MUNICIPAL STREET SIGN CO., INC., New York, N. Y. Filed May 9, 1927.

MUNICIPAL

Particular description of goods.—Nonelectrical Street Names, Highway, Road, Direction, Warning, and Traffic Regulation Signs.

Claims use since October, 1922.

Ser. No. 248,732. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABE SIEGEL, New York, N. Y. Filed May 9, 1927.



The words "Danish Pastry," "Egg Wash," and "Imitation" appearing on the drawing, are disclaimed.

Particular description of goods.—Danish Pastry.

Claims use since December, 1926.

Ser. No. 248,737. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROBERT MARSHALL WILLIAMSON, doing business as Marshall Williamson & Co., Burley, near Brockenhurst, England. Filed May 9, 1927.

DECIBANK

Particular description of goods.—Arithmetical Teaching Devices.

Claims use since Feb. 8, 1927.

Ser. No. 248,764. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 10, 1927.

Elfeen

Particular description of goods.—Woolen Piece Goods.

Claims use since Apr. 1, 1927.

Ser. No. 248,785. (CLASS 12. CONSTRUCTION MATERIALS.) NU WAY WINDOW SASH CO., Philadelphia, Pa. Filed May 10, 1927.

Nu Way

Particular description of goods.—Window Sashes and Parts Thereof.

Claims use since Sept. 20, 1926.

Ser. No. 248,790. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PREMIUM METAL & PACKING CO., Wilkinsburg, Pa. Filed May 10, 1927.

SPECIAL

ALUMALOY

Particular description of goods.—Bearing Metals Consisting of Alloys of Tin, Lead, Antimony, and Aluminum.

Claims use since Jan. 1, 1919.

Ser. No. 248,791. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PREMIUM METAL & PACKING CO., Wilkinsburg, Pa. Filed May 10, 1927.

SUPER

ALUMALOY

Particular description of goods.—Bearing Metals Consisting of Alloys of Tin, Lead, Antimony, and Aluminum.

Claims use since Apr. 1, 1924.

Ser. No. 248,800. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. SARTORIUS & CO. INC., New York, N. Y. Filed May 10, 1927.

PAPACONES

Particular description of goods.—Semiliquid Paints.

Claims use since Feb. 15, 1925.

Ser. No. 248,804. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN METAL PRODUCTS CORPORATION, San Francisco, Calif. Filed May 11, 1927.

Apco.

Particular description of goods.—Electrically-Operated Lighters and Dispensers for Cigars, Cigarettes, and the Like.

Claims use since Jan. 1, 1927.

Ser. No. 248,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEYER GLENN, doing business as Butternut Packers, Erie, Pa. Filed May 11, 1927.

BUTTERNUT

Particular description of goods.—Salted Peanuts.

Claims use since Aug. 30, 1926.

Ser. No. 248,865. (CLASS 39. CLOTHING.) SEATTLE DRY GOODS COMPANY, Seattle, Wash. Filed May 11, 1927.

The Collegienne

Particular description of goods.—Women's Skin Gloves.
Claims use since Mar. 12, 1927.

Ser. No. 248,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TUCCO CORPORATION, Glen Rock, N. J. Filed May 11, 1927.



The picture shown in the drawing is merely fanciful. No claim is made to the exclusive use of the words "Ready to Serve," "A Real Italian Style Dressing for Spaghetti" apart from the mark as shown in the drawing.

Particular description of goods.—An Appetizing and Nourishing Gravy Made from Fresh Beef, Pure Olive Oil, Mushrooms, and Vegetables.
Claims use since Feb. 25, 1927.

Ser. No. 248,914. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HENRY LEDERER & BRO. INC., Providence, R. I. Filed May 12, 1927.

GOLDEN WHEEL

Particular description of goods.—Pyrophoric Pocket Cigar Lighters.
Claims use since Feb. 18, 1927.

Ser. No. 248,960. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOSEPH PENDLETON, Laramie, Wyo. Filed May 13, 1927.

Cloverine

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as Soft Drink and a Powder for Making the Same.
Claims use since about July 1, 1926.

Ser. No. 248,975. (CLASS 12. CONSTRUCTION MATERIALS.) THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio. Filed May 13, 1927.

HEETCOTE

Particular description of goods.—Heat-Insulating Jackets or Casings Made from Hair or Other Material.
Claims use since about Apr. 1, 1927.

Ser. No. 248,983. (CLASS 15. OILS AND GREASES.) ARBUTHNOT OIL COMPANY, Picher, Okla. Filed May 14, 1927.



Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, Lubricating Greases, Fuel Oils, Petroleum Distillate, and Motor Fuels, the Principal Constituent of Which is Gasoline.
Claims use since Apr. 2, 1927.

Ser. No. 249,019. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PASS & SEYMOUR, INC., Solvay Station, Syracuse, N. Y. Filed May 14, 1927.

ALABAX

Particular description of goods.—Electrical Receptacles, Electric Lighting Fixtures, and Parts Thereof.
Claims use since Apr. 25, 1927.

Ser. No. 249,037. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BARNET LEATHER CO., INC., New York, N. Y. Filed May 16, 1927.

"PODEVO" FUR CALF

The words "Fur Calf" are disclaimed apart from the mark shown.
Particular description of goods.—Fur Calf Skins.
Claims use since August, 1926.

Ser. No. 249,079. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MAY DEPARTMENT STORES COMPANY, Los Angeles, Calif. Filed May 16, 1927. Under 10-year proviso.

ANITA

Particular description of goods.—Creams, Liquids, Pastes, Powders, and Solid Substances for Beautifying and Preserving the Teeth, Nails, Skin, Hair, and Body Generally, Depilatories, Deodorants, and Perfumery.
Claims use since June 1, 1888.

Ser. No. 249,109. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN LAFRANCE FIRE ENGINE COMPANY, INC., Elmira, N. Y. Filed May 17, 1927.

COSMOPOLITAN

Particular description of goods.—Engine-Driven Fire Apparatus.
Claims use since Mar. 1, 1902.

Ser. No. 249,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BIRD-ARCHER COMPANY, New York, N. Y. Filed May 17, 1927.

NO-MO-RUST

Particular description of goods.—Chemical Preparation Designed as a Curative and Preventive of Rust and Corrosion.
Claims use since Feb. 24, 1927.

Ser. No. 249,113. (CLASS 39. CLOTHING.) THE CARTERSVILLE MILLS, INCORPORATED, Cartersville, Ga. Filed May 17, 1927.

STURDEE

Particular description of goods.—Children's Knit Ribbed Underwear.
Claims use since Feb. 1, 1927.

Ser. No. 249,143. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ZIV STEEL & WIRE COMPANY, Chicago, Ill. Filed May 17, 1927.

ZIV'S DUMORE

Particular description of goods.—Drill and Tool Steel.
Claims use since July 1, 1926.

Ser. No. 249,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & B. TEXTILE CHEMICAL CORPORATION, New York, N. Y. Filed May 18, 1927.

LANAGUM

Particular description of goods.—Preparation for Stiffening Animal Textile Material.
Claims use since May 15, 1925.

Ser. No. 249,171. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & B. TEXTILE CHEMICAL CORPORATION, New York, N. Y. Filed May 18, 1927.

MONOL

Particular description of goods.—A Specially Treated Oil Used to Prepare All Kinds of Textile Materials for Lubricant and Dye Penetrant.
Claims use since May 15, 1925.

Ser. No. 249,172. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HALOID COMPANY, Rochester, N. Y. Filed May 18, 1927.

INDUSTRO

Particular description of goods.—Sensitised Photographic Developing Papers.
Claims use since April, 1917.

Ser. No. 249,177. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE M JOHNSON, doing business as Pilot Paint & Varnish Co., Chicago, Ill. Filed May 18, 1927.

PILOT SUPRO

Particular description of goods.—Varnishes, Ready-Mixed Paints, Paint Enamels, Prepared Shellacs Ready for Use, Varnish Remover, Floor Oil, and Wood Stains.
Claims use since February, 1923.

Ser. No. 249,178. (CLASS 39. CLOTHING.) SAMUEL JUDELLE, New York, N. Y. Filed May 18, 1927.



The words "The Standard of Value" and "Cap" are claimed only in connection with the other features of the mark.

Particular description of goods.—Men's, Boys', and Children's Caps.
Claims use since Jan. 1, 1926.

Ser. No. 249,199. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT W. SKINNER, Jr., Upper Gwynedd Township, Montgomery County, near North Wales, Pa. Filed May 18, 1927.

THORNVALE FARM

Particular description of goods.—Farm Products—Namely, Registered Cattle, Milk, and Eggs.
Claims use since June 1, 1922.

Ser. No. 249,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOYCE EXTRACT COMPANY, Brooklyn, N. Y. Filed May 19, 1927.



No claim is made to the words "Cordial Cocktail" apart from the mark as shown.
Particular description of goods.—Fruit Syrups for Waffles, Griddle Cakes, and Other Food Purposes.
Claims use since May 13, 1927.

Ser. No. 249,213. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CARIBBEAN BEVERAGE COMPANY, New York, N. Y. Filed May 19, 1927.

CARIBBEAN DRY

No claim is made for the word "Dry."
Particular description of goods.—Ginger Ale.
Claims use since May 12, 1927.

Ser. No. 249,252. (CLASS 39. CLOTHING.) THE ALFRED JOHNSON SKATE CO., Chicago, Ill. Filed May 20, 1927.

Ruffplay

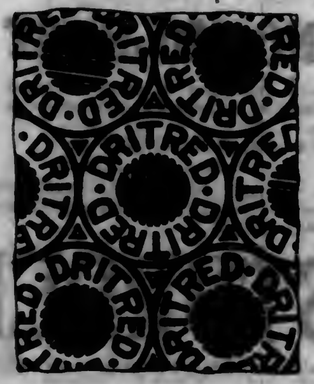
Particular description of goods.—Shoes Constructed Chiefly of Leather.
Claims use since May 10, 1927.

Ser. No. 249,268. (CLASS 39. CLOTHING.) EBON DRESS COMPANY, INC., New York, N. Y. Filed May 20, 1927.

Ebon
NEW YORK - PARIS

No claim is made to the words "New York-Paris", excepting in the form and setting shown in the drawing.
Particular description of goods.—Women's, Misses', and Children's Dresses.
Claims use since about Apr. 1, 1927.

Ser. No. 249,269. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ELBERT BROS. TANNING COMPANY, Milwaukee, Wis. Filed May 20, 1927.



Particular description of goods.—Sole Leather.
Claims use since on or about May 14, 1927.

Ser. No. 249,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAQUEL INCORPORATED, New York, N. Y. Filed May 20, 1927.

L'Endeley

Particular description of goods.—Perfumes, Toilet Water, Toilet Powders, Face and Talcum Powders, Cosmetic Creams, Bath Salts, Sachets, Hair Tonic, Mentholene Balm, Depilatory, Shampoo, Scalp Salve, Face and Lip Rouges, Liquid and Paste Form.
Claims use since Mar. 18, 1927.

Ser. No. 249,329. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.



For the purposes of registration applicant makes no claim to "Beresford" in the significance of a trade or personal name, but all statutory rights thereto under section 5 of the act of 1905 relating to marks consisting merely in a personal name, and all statutory rights thereto in the manner shown, and all common-law rights thereto are expressly reserved.
Particular description of goods.—Ladies' and Misses' Hats.
Claims use since May 3, 1927.

Ser. No. 249,341. (CLASS 39. CLOTHING.) CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.



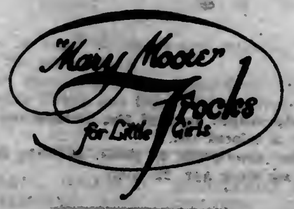
The portrait is fanciful and no claim is made to the representation of a hat apart from the mark as shown.
Particular description of goods.—Ladies' and Misses' Hats.
Claims use since May 7, 1927.

Ser. No. 249,357. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) KATZ OGUSH, INC., New York, N. Y. Filed May 21, 1927.

KAULDON

Particular description of goods.—Finger Rings, Bar Pins, Scarf Pins, Bracelets, Sautoirs, Watch Chains, Gem Settings, Mesh Bags, Vanity Cases, Barrettes, Brooches, Belt Buckles, Earrings, Watch Fobs, Necklaces, Neck Chains, Necklace Clasps, Medals, Cuff Buttons, Shoe Buckles, Lockets, Tie Clasps, Watch-Chain Snaps, and Veil Pins, All Articles Being Made of or Coated with Precious Metal.
Claims use since May 12, 1927.

Ser. No. 249,363. (CLASS 39. CLOTHING.) WM. MOORE, doing business as Wm. Moore Company, Davenport, Iowa. Filed May 21, 1927.



No claim is made to exclusive rights in the words "Hand Made Frocks for Little Girls" apart from the mark shown.
Particular description of goods.—Children's Dresses.
Claims use since January, 1918.

Ser. No. 249,365. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MURRAY CORPORATION OF AMERICA, Detroit, Mich. Filed May 21, 1927.



The words "Coach Work by" are disclaimed apart from the mark as shown.
Particular description of goods.—Vehicle Bodies.
Claims use since Apr. 22, 1927.

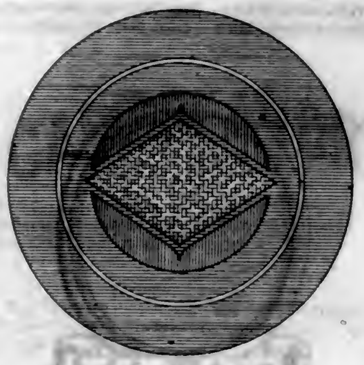
Ser. No. 249,366. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MURRAY CORPORATION OF AMERICA, Detroit, Mich. Filed May 21, 1927.



The wedge-shaped part of the cockade on the coachman's hat is colored red.

Particular description of goods.—Vehicle Bodies.
Claims use since Apr. 22, 1927.

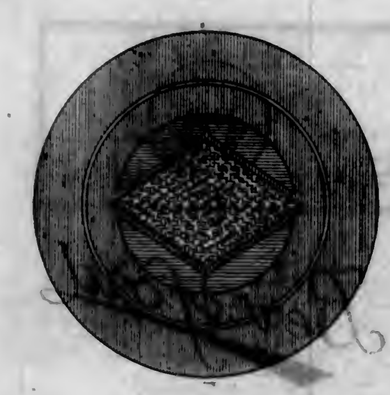
Ser. No. 249,373. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETER FOX SONS CO., Chicago, Ill. Filed May 21, 1927.



The mark consists of a design, the diamond being lined for yellow and having an immediate blue border resting upon a circular figure lined for red within two concentric circles lined for blue.

Particular description of goods.—Dressed Poultry.
Claims use since October, 1920.

Ser. No. 249,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETER FOX SONS CO., Chicago, Ill. Filed May 21, 1927.



The trade-mark consists of a design, the diamond being lined for yellow and having an immediate red border resting upon a circular figure lined for blue within two concentric circles lined for red.

Particular description of goods.—Dressed Poultry.
Claims use since October, 1920.

Ser. No. 249,449. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED CLAY PRODUCTS CORPORATION, Kansas City, Mo. Filed May 23, 1927.

NU-BARK

Particular description of goods.—Brick and Blocks for Use in the Construction of Building Walls.
Claims use since June 20, 1926.

Ser. No. 249,454. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY C. WILLIAMS, doing business as Williams & Son, Sargent, Nebr. Filed May 23, 1927.



Particular description of goods.—Preparation for Kindling.
Claims use since Apr. 1, 1927.

Ser. No. 249,461. (CLASS 39. CLOTHING.) BETHLEHEM TEXTILES CO., Bethlehem, Pa. Filed May 24, 1927.

LARONESE

Particular description of goods.—Hosiery and Underwear for Men, Women, and Children of Textile and Knitted Fabric.
Claims use since Apr. 26, 1927.

Ser. No. 249,466. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DELANE WOOLEN COMPANY, INC., New York, N. Y. Filed May 24, 1927.



No claim is made to the word "Fabrics" apart from the mark shown.

Particular description of goods.—Woolen Fabrics.
Claims use since Apr. 1, 1927.

Ser. No. 249,482. (CLASS 17. TOBACCO PRODUCTS.) BEATRICE O'CONOR, doing business as Lybanne, Boston, Mass., Newton Center and Boston, Mass. Filed May 24, 1927.



Particular description of goods.—Cigars and Cigarettes.
Claims use since Mar. 29, 1927.

Ser. No. 249,483. (CLASS 17. TOBACCO PRODUCTS.) BEATRICE O'CONOR, doing business as Lybanne, Boston, Mass, Newton Center and Boston, Mass. Filed May 24, 1927.



Particular description of goods.—Cigars and Cigarettes.
Claims use since Mar. 29, 1927.

Ser. No. 249,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOYCE EXTRACT COMPANY, Brooklyn, N. Y. Filed May 25, 1927.



No claim is made to the words "Cordial Cocktail" apart from the mark shown.

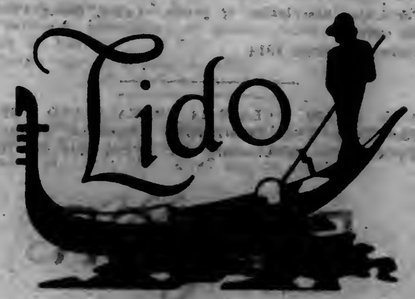
Particular description of goods.—Fruit Sirups for Waffles, Griddle Cakes, and Other Food Purposes.
Claims use since May 13, 1927.

Ser. No. 249,510. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed May 25, 1927.

Red Ball

Particular description of goods.—Electric Fruit-Juice Extractors.
Claims use since Aug. 24, 1926.

Ser. No. 249,521. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HILBURN THOMPSON COMPANY, Salem, Mass. Filed May 25, 1927.



Particular description of goods.—Leather.
Claims use since May 9, 1927.

Ser. No. 249,522. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. F. HENNINGER CORPORATION, Chicago, Ill. Filed May 25, 1927.

ACtron

Particular description of goods.—Radio Vacuum Tubes.
Claims use since Mar. 15, 1927.

Ser. No. 249,523. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HEPPENSTALL FORGE & KNIFE COMPANY, Pittsburgh, Pa. Filed May 25, 1927.

OILTEM

Particular description of goods.—Steel Forgings.
Claims use since Feb. 1, 1927.

Ser. No. 249,571. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed May [illegible] 1927.

REGIMENTALS

Particular description of goods.—Underwear of Knitted and Textile Fabrics for Men, Women, and Children.
Claims use since Apr. 18, 1927.

Ser. No. 249,592. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LIBERTY & CO., LIMITED, London, England. Filed May 26, 1927.

TANA

Particular description of goods.—Lawn, Being Cotton Piece Goods.
Claims use since 1914.

Ser. No. 249,599. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PREMIUM METAL & PACKING CO., Wilkinsburg, Pa. Filed May 26, 1927.

DUMOR

Particular description of goods.—Bearing Metals Consisting of Alloys of Tin, Lead, and Antimony.
Claims use since Jan 1, 1926.

Ser. No. 249,612. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed May 26, 1927.

HEDLITE

Particular description of goods.—Coal.
Claims use since Apr. 1, 1926.

Ser. No. 249,613. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE STUDEBAKER CORPORATION, South Bend, Ind. Filed May 26, 1927.



Particular description of goods.—Tire Covers.
Claims use since Nov. 10, 1926.

Ser. No. 249,624. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN COAL & COKE CO., Milwaukee, Wis. Filed May 26, 1927.

BONNIE MEADE

The word "Meade" does not form a part of the mark sought to be registered separate and apart from the association with the word "Bonnie" shown in the drawing.
Particular description of goods.—Coal.
Claims use since May 1, 1923.

Ser. No. 249,631. (CLASS 39. CLOTHING.) ABBAD ABOOD, doing business as Abood Knitting Mills, New York, N. Y. Filed May 27, 1927.

STENCIL ALL Tubize KNIT

No claim is made to the exclusive use of the words "Stencil Knit" apart from the mark shown in the drawing.
Particular description of goods.—Men's Knitted Neckties, Mufflers, and Ladies' Scarfs.
Claims use since Feb. 1, 1927.

Ser. No. 249,660. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HYGIENE PRODUCTS CO., New York, N. Y. Filed May 27, 1927.

Bon-i-kins

Particular description of goods.—Sanitary Napkins.
Claims use since May 19, 1927.

Ser. No. 249,661. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HYGIENE PRODUCTS CO., New York, N. Y. Filed May 27, 1927.

Gen-i-kins

Particular description of goods.—Sanitary Napkins.
Claims use since May 19, 1927.

Ser. No. 249,673. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE J. M. NEY COMPANY, Hartford, Conn. Filed May 27, 1927.

PAL-ORO

Particular description of goods.—Gold Alloys for Dental Purposes.
Claims use since May 25, 1927.

Ser. No. 249,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLACKSTONE MANUFACTURING COMPANY, doing business as Tru-Lax Manufacturing Co., Newark, N. J. Filed May 28, 1927.

TRU-ASPIN

Particular description of goods.—Tablets of Aspirin.
Claims use since June 11, 1926.

Ser. No. 249,706. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed May 28, 1927.

Dinner-tex

Particular description of goods.—Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Pants, Overcoats, Raincoats, Dusters, Mackinaws, Ulsters, Smoking Jackets, Automobile Coats, Bath Wraps; and Women's and Children's Outer Garments Consisting of Coats, Bath Wraps, and Mackinaws; and Tuxedo Suits Consisting of Coats, Vests, and Trousers.
Claims use since May 1, 1927.

Ser. No. 249,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDRE A. GOUTAL, doing business as André Goutal & Co., New York, N. Y. Filed May 28, 1927.

DUDAUVRE

Particular description of goods.—Astringents, Astringent Cerates, Bleach Creams, Refreshing Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Compacts, Face Bleaches, Face Packs, Eyebrow and Eyelash Growers, Eye Drops, Hand Lotions, Skin Lotions, Face Powders, Talcum Powders, Sachets, Hair Salves, Hair Elixirs, Hair Tonics, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Incense, Lip Sticks, Rasmas, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Nail Powders, Nail Creams, Nail Bleaches, Witch-Hazel, Bay Rum, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Deodorants, Disinfectants, Aspirin, Perfumes, Toilet Waters and After-Shaving Lotions.
Claims use since Mar. 21, 1927.

Ser. No. 249,726. (CLASS 37. PAPER AND STATIONERY.) J. G. HUTCHISON & COMPANY, Ottumwa, Iowa. Filed May 28, 1927.

WAPELLO CHIEF

Particular description of goods.—Writing Paper.
Claims use since May 1, 1927.

Ser. No. 249,764. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE WHITMAN & SONS, INC., New York, N. Y. Filed May 28, 1927.

CELLO VOILE

No claim is made to the word "Voile" apart from the mark shown.
Particular description of goods.—Voile in the Piece Made of Rayon.
Claims use since May 9, 1927.

Ser. No. 249,768. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ALLIGATOR COMPANY, St. Louis, Mo. Filed May 31, 1927.

Alligator

Particular description of goods.—Waterproof Cloth, Awnings, and Tarpaulins.
Claims use since Sept. 1, 1908.

Ser. No. 249,770. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE ALLIGATOR COMPANY, St. Louis, Mo. Filed May 31, 1927.

Alligator

Particular description of goods.—Sheets, Ground Blankets, Covering Blankets, and Curtains Made of Waterproofed Material.
Claims use since Sept. 1, 1908.

Ser. No. 249,780. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 31, 1927.

CELAWOL

Particular description of goods.—Knitted, Netted, and Textile Fabrics Made Wholly or Principally of Cellulose Derivatives in Admixture with Cotton, Wool, Silk, or Any Other Fiber.
Claims use since Apr. 9, 1927.

Ser. No. 249,781. (CLASS 43. THREAD AND YARN.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 31, 1927.

CELAWOL

Particular description of goods.—Yarns or Threads Comprised Wholly or Principally of Cellulose Acetate Artificial Silk in Admixture with Cotton, Wool, Silk, or Any Other Fiber.
Claims use since Apr. 9, 1927.

Ser. No. 249,791. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MONROE HARRISON, Chicago, Ill. Filed May 31, 1927.



No claim is made to the name "Harrison's" nor to the representation of an orange except in the association shown. The drawing is lined for the color orange.
Particular description of goods.—A Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since July 1, 1925.

Ser. No. 249,830. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ASSOCIATED ATTLEBORO MANUFACTURERS INC., Attleboro, Mass. Filed June 1, 1927.

ZIP-O-KASE

Particular description of goods.—Vanity Cases Made of or Plated with Precious Metal.
Claims use since Jan. 1, 1927.

Ser. No. 249,839. (CLASS 39. CLOTHING.) THE CHARLES MEIS SHOE MANUFACTURING CO., Cincinnati, Ohio. Filed June 1, 1927.

HUG-TITE

Particular description of goods.—Women's Leather and Fabric Shoes.
Claims use since July 1, 1925.

Ser. No. 249,852. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed June 1, 1927.

CORN KRISPIES

Particular description of goods.—Cereal Breakfast Food.
Claims use since Apr. 20, 1927.

Ser. No. 249,860. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGE MUTUAL CITRUS ASSOCIATION, Orange, Calif. Filed June 1, 1927.

ORANGE KING

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Apr. 18, 1927.

Ser. No. 249,877. (CLASS 39. CLOTHING.) ALEXANDER WEINFIELD, doing business as The Snappy Hat House, New Orleans, La. Filed June 1, 1927.



Particular description of goods.—Ladies' Hats.
Claims use since Jan. 2, 1924.

Ser. No. 249,879. (CLASS 32. FURNITURE AND UPHOLSTERY.) F. P. WOLL & Co., Philadelphia, Pa. Filed June 1, 1927.

Vitacurld
HAIR

No claim is made to the exclusive right to the use of the word "Hair" apart from the manner in which it is used and shown on drawing.
Particular description of goods.—Hair for Stuffing Mattresses, Furniture, and Upholstery.
Claims use since May 23, 1927.

Ser. No. 249,882. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARK W. ALLEN & Co., Detroit, Mich. Filed June 2, 1927.

Prep

Particular description of goods.—Laundry Soaps, Toilet Soaps, Shaving-Cream Soaps, Shaving Soaps, Shredded Soaps, Soap Jelly, Soap Powders, Soap Flakes, Metal Polishes, Silver Polishes, Shoe Polishes, and Stove Polishes.
Claims use since May 6, 1927.

Ser. No. 249,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHESLEY M. BOOLS, doing business as Sauer Ju Sales Co., Seattle, Wash. Filed June 2, 1927.

Sauer Ju

Particular description of goods.—Sauerkraut Juice.
Claims use since Mar. 25, 1924.

Ser. No. 249,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. BORTZ COMPANY, Chicago, Ill. Filed June 2, 1927.



Particular description of goods.—Coffee, Caviar, Vinegar, Sour Tomatoes, and Eggs.
Claims use since July 1, 1926.

Ser. No. 249,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAGGETT & RAMSDELL, New York, N. Y. Filed June 2, 1927.

VIVATONE

Particular description of goods.—Skin Lotion.
Claims use since Apr. 1, 1927.

Ser. No. 249,895. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed June 2, 1927.

STAR

Particular description of goods.—Lead Pencils.
Claims use since about Nov. 1, 1870.

Ser. No. 249,897. (CLASS 38. PRINTS AND PUBLICATIONS.) FICTION HOUSE, INC., New York, N. Y. Filed June 2, 1927.



Particular description of goods.—A Fiction Magazine.
Claims use since on or about May 3, 1927.

Ser. No. 249,906. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) JOSEPH & WINTERHOFF, New York, N. Y. Filed June 2, 1927.

OLD INDIAN

Particular description of goods.—Malt Preparation for Beverages.
Claims use since Oct. 1, 1918.

Ser. No. 249,909. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KENDALL MILLS INC., Walpole, Mass. Filed June 2, 1927.



Particular description of goods.—Piece Goods of Cotton or Rayon.
Claims use since on or about Apr. 27, 1927.

Ser. No. 249,920. (CLASS 39. CLOTHING.) THE PEOPLE'S SHOE STORES COMPANY, INC., St. Louis, Mo. Filed June 2, 1927.

STYLE-REST

Applicant owns registration No. 225,207.
Particular description of goods.—Shoes Made from Leather, Fabric, or Combinations Thereof for Men, Women, and Children.
Claims use since Mar. 1, 1927.

Ser. No. 249,935. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) STEELE AND JOHNSON MFG. CO., Waterbury, Conn. Filed June 2, 1927.

ESSENJAY

Particular description of goods.—Dish Washers (Attachments for Faucets).
Claims use since Apr. 20, 1927.

Ser. No. 249,975. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & CO., INC., Philadelphia, Pa. Filed June 3, 1927.

OILTEX

Particular description of goods.—Plastic Paint.
Claims use since Dec. 1, 1926.

Ser. No. 249,976. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN LUCAS & CO., INC., Philadelphia, Pa. Filed June 3, 1927.

TEXOIL

Particular description of goods.—Glazing Liquid and Mixing Oil for Paint.
Claims use since Dec. 1, 1926.

Ser. No. 249,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY M. LUX, doing business as Cornhusker Hog Remedy Co., Lincoln, Nebr. Filed June 3, 1927.



Particular description of goods.—Preparation for Expelling Worms from Hogs and for the Treatment of Pneumonia in Hogs.
Claims use since about May 15, 1927.

Ser. No. 250,006. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio. Filed June 4, 1927.

SILVER FLASH

Particular description of goods.—Toy Automobiles.
Claims use since Apr. 4, 1927.

Ser. No. 250,010. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) J. CHEIN & CO., Harrison, N. J. Filed June 4, 1927.

SPIRIT OF St. Louis

Particular description of goods.—Mechanical Toy Aeroplanes.
Claims use since May 25, 1927.

Ser. No. 250,013. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed June 4, 1927.

Puffso

Particular description of goods.—Soap Flakes.
Claims use since May 23, 1927.

Ser. No. 250,041. (CLASS 39. CLOTHING.) SCHEPPELS & SIMSON COMPANY, Milwaukee, Wis. Filed June 4, 1927.

TREND

Particular description of goods.—Neckties.
Claims use since May 25, 1927.

Ser. No. 250,050. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. M. TURELL FABRICS CORPORATION, New York, N. Y. Filed June 4, 1927.

PYTHON CREPE

No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Fabrics.
Claims use since May 18, 1927.

Ser. No. 250,056. (CLASS 39. CLOTHING.) D. ARMSTRONG & CO., INC., Rochester, N. Y. Filed June 6, 1927.

ReLax

Particular description of goods.—Women's Shoes of Leather.
Claims use since June 12, 1923.

Ser. No. 250,073. (CLASS 17. TOBACCO PRODUCTS.) H. F. FIDLER & CO., Womelsdorf, Pa. Filed June 6, 1927.



The word "Cigar" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since Feb. 18, 1927.

Ser. No. 250,074. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FOSS & BURRILL, Ellsworth, Me. Filed June 6, 1927.

Kebo

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Water.
Claims use since Nov. 26, 1906.

Ser. No. 250,090. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MUSICAL AMERICA COMPANY, New York, N. Y. Filed June 6, 1927.

MUSICAL AMERICA'S GUIDE

Particular description of goods.—Annual Directories of the Musical Resources of the United States and Canada.
Claims use since May, 1921.

Ser. No. 250,095. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HENRY RABBES, Washington, D. C. Filed June 6, 1927.

VEGAMINE

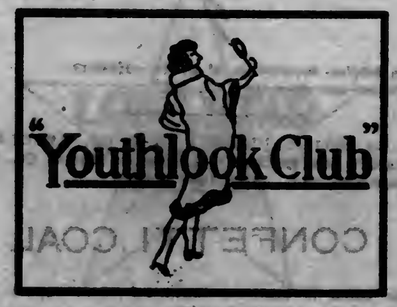
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since about June 1, 1926.

Ser. No. 250,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH B. WAITE, doing business as The Antidolor M'f'g. Co., Springville, N. Y. Filed June 6, 1927.

ANTI-PY-O

Particular description of goods.—Dentifrices in Liquid, Paste, Powder, or in Any Other Form.
Claims use since Nov. 1, 1913.

Ser. No. 250,115. (CLASS 39. CLOTHING.) COPELOF, STILLMAN & CO., INC., New York, N. Y. Filed June 7, 1927.



Particular description of goods.—Women's and Misses' Coats, Suits, and Dresses.
Claims use since Feb. 1, 1927.

Ser. No. 250,124. (CLASS 38. PRINTS AND PUBLICATIONS.) SARAH JANE HERSHFIELD, New York, N. Y. Filed June 7, 1927.

ACCORDING TO HOYLE

Particular description of goods.—Cartoon Strip.
Claims use since May 1, 1927.

Ser. No. 250,125. (CLASS 38. PRINTS AND PUBLICATIONS.) SARAH JANE HERSHFIELD, New York, N. Y. Filed June 7, 1927.

TOM, DICK AND HARRIET

Particular description of goods.—Cartoon Strip.
Claims use since May 1, 1927.

Ser. No. 250,126. (CLASS 38. PRINTS AND PUBLICATIONS.) SARAH JANE HERSHFIELD, New York, N. Y. Filed June 7, 1927.

MEYER, THE BUYER

Particular description of goods.—Cartoon Strip.
Claims use since May 26, 1927.

Ser. No. 250,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM F. READ & SONS CO., Philadelphia, Pa. Filed June 7, 1927.

PATTE deCHAT

Particular description of goods.—Woolen Piece Goods—Namely, Piece Goods of Mixed Wool and Camel's Hair.
Claims use since on or about May 24, 1927.

Ser. No. 250,146. (CLASS 39. CLOTHING.) RUFUS W. SCOTT COMPANY, New York, N. Y. Filed June 7, 1927.

LIGHTNIN'

Particular description of goods.—Hosiery.
Claims use since Apr. 25, 1927.

Ser. No. 250,174. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. EDWARD HIBLINE CO., INC., Baltimore, Md. Filed June 8, 1927.

CONFETTI COAL

No claim is made to the word "Coal" apart from the mark shown in the drawing.
Particular description of goods.—Coal.
Claims use since June 1, 1927.

Ser. No. 250,180. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed June 8, 1927.



The outline of the label is disclaimed apart from the mark shown on the drawing. The drawing is lined for color, the background being lined for black, the top and bottom borders are lined for gold, and the word "Libby's" is lined for red.
Particular description of goods.—Canned Fruits and Berries.
Claims use since 1918.

Ser. No. 250,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS MEYER CO., Brooklyn, N. Y. Filed June 8, 1927.

MEYER'S LM

Particular description of goods.—Imported Style Frankfurters, Frankfurter Style Sausage, Horse-Radish, Pork with Jelly, Bismarck Herrings Packed in Cans, Glass Jars, and Similar Containers; Celery Relish, Lamb Tongue, Tongue with Jelly, Sliced Beef, Sliced Bacon, Sugar-Cured Bacon, Dry-Cured Breakfast Bacon, Beef with Jelly, Pig's Feet, Sweet Relish Composed of Chopped Pickled Vegetables, Spices, Etc.; Smoked Ham, Boiled Ham, Roast Ham, Square Style Boiled Ham.
Claims use since Nov. 1, 1923.

Ser. No. 250,200. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) R. RICHARD SPIRA, New York, N. Y. Filed June 8, 1927.



No claim is made to the representation of the goods.
Particular description of goods.—Mechanical Toy Aeroplane.
Claims use since May 21, 1927.

Ser. No. 250,204. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOAMADENT CO., New York, N. Y. Filed June 9, 1927.

FOAM-A-DENT

Particular description of goods.—Dentifrice Tooth-Cleaning Preparation.
Claims use since Dec. 22, 1926.

Ser. No. 250,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSÉ R. OSUNA, Erie, Pa. Filed June 9, 1927.



The word "Coffee" is disclaimed apart from the mark shown.
Particular description of goods.—Coffee.
Claims use since Apr. 1, 1926.

Ser. No. 250,271. (CLASS 39. CLOTHING.) VERDIER & HARDY, INC., New York, N. Y. Filed June 9, 1927. Under 10-year proviso.

PERFECTION



Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Jan. 1, 1873.

Ser. No. 250,272. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) VOLLERT & LANGE, Brooklyn, N. Y. Filed June 9, 1927.

PLAYMOR GOLF

No claim is made to the word "Golf."
Particular description of goods.—Golf Game Consisting of a Target and a Device for Holding the Ball in Position.
Claims use since May 1, 1927.

Ser. No. 250,311. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAX-A-CAKE COMPANY, Louisville, Ky. Filed June 10, 1927.

LACACO

Particular description of goods.—Cake Having Laxative Properties.
Claims use since May 20, 1927.

Ser. No. 250,321. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THOMAS W. OWENS, Wesleyville, Pa. Filed June 10, 1927.



Particular description of goods.—Reversible Hame Tug.
Claims use since May 20, 1927.

Ser. No. 250,346. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ACME STEEL COMPANY, Chicago, Ill. Filed June 11, 1927.

SilverStitch

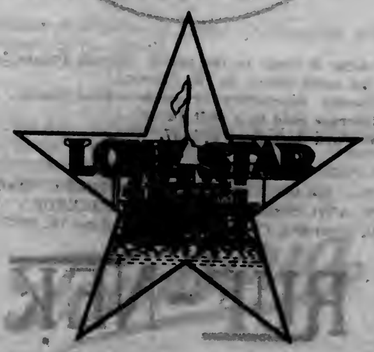
Particular description of goods.—Galvanized Stapling Wire.
Claims use since Apr. 5, 1927.

Ser. No. 250,395. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRI BENDEL INC., New York, N. Y. Filed June 11, 1927.

No 7

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since May 20, 1927.

Ser. No. 250,396. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS WM. BURLESON, Waxahachie, Tex. Filed June 11, 1927.



No claim is made to the word "Honey" apart from the mark shown.
Particular description of goods.—Honey.
Claims use since July 1, 1916.

Ser. No. 250,401. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SYLVAN M. EDISON, doing business as Edison Laboratories, Chicago, Ill. Filed June 11, 1927.

Sanident

Particular description of goods.—Denture Brushes.
Claims use since July 15, 1925.

Ser. No. 250,403. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. A. FISCHER COMPANY, Philadelphia, Pa. Filed June 11, 1927.

Val Phonic

Particular description of goods.—Phonograph Sound Boxes and Tone Arms.
Claims use since June 2, 1926.

Ser. No. 250,449. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) W. W. HEALTH DRINKS, INC., McAllen, Tex. Filed June 13, 1927.



No claim is made to the words "Health Drinks" apart from the mark shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since June 1, 1927.

Ser. No. 250,465. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINK-BELT COMPANY, Chicago, Ill. Filed June 13, 1927.

RUF-NEK

Particular description of goods.—Oil-Well Drives and Counterweighted Disks on the Drive.
Claims use since about Feb. 1, 1927.

Ser. No. 250,471. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JAMES A. MITCHELL, doing business as Denison Bottling Works and Denison Bottling Co., Denison, Iowa. Filed June 13, 1927.

JERRY

Particular description of goods.—Carbonated, Non-alcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since Apr. 1, 1926.

Ser. No. 250,472. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NATIONAL RIFLE ASSOCIATION, Washington, D. C. Filed June 13, 1927.

NRA

Particular description of goods.—Rifle and Pistol Targets.
Claims use since Jan. 1, 1922.

Ser. No. 250,473. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed June 13, 1927.

NEKO

Particular description of goods.—Soap and Germicidal Soap.
Claims use since May 31, 1927.

Ser. No. 250,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Kashenta

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,503. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Kashilla

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,507. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Najadeen

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,516. (CLASS 39. CLOTHING.) THE NATIONAL GARTER CO., Cincinnati, Ohio. Filed June 14, 1927.

PILLOTRED

Particular description of goods.—Insoles for Shoes.
Claims use since Apr. 18, 1927.

Ser. No. 250,558. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LITTLE FRERES, Paris, France. Filed June 15, 1927.

Suzanne Lenglen

The mark consists of the fascimile signature of "Susan Lenglen."
Particular description of goods.—Tennis Rackets.
Claims use since Oct. 8, 1926.

Ser. No. 250,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed June 15, 1927.

Pollyanna

Particular description of goods.—Canned Fruits.
Claims use since Apr. 6, 1922.

Ser. No. 250,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Filed June 15, 1927.

Hopi

Particular description of goods.—Fresh Citrous Fruits.
Claims use since May 17, 1927.

Ser. No. 250,570. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) K. C. SEELBACH COMPANY, New York, N. Y. Filed June 15, 1927.

Buddy

Particular description of goods.—Razors.
Claims use since Dec. 6, 1926.

Ser. No. 250,571. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) K. C. SEELBACH COMPANY, New York, N. Y. Filed June 15, 1927.

7-11

Particular description of goods.—Razors.
Claims use since Dec. 6, 1926.

Ser. No. 250,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. W. WARD, doing business as Westward Dental Agencies, San Francisco, Calif. Filed June 15, 1927.

WONDRPAK

Particular description of goods.—Dressing for Protecting Wounds in the Mouth.
Claims use since Jan. 1, 1923.

Ser. No. 250,610. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FOUNTERIA MANUFACTURING COMPANY, INC., Birmingham, Ala. Filed June 16, 1927.

Founteria

Particular description of goods.—Beverage-Dispensing Machines and Parts Therefor.
Claims use since Oct. 23, 1926.

Ser. No. 250,618. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BENJAMIN JACOBSON, doing business as Lexington Products Co., Brooklyn, N. Y. Filed June 16, 1927.



Particular description of goods.—Sanitary Napkins.
Claims use since Apr. 4, 1927.

Ser. No. 250,625. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LANMAN & KEMP, INC., New York, N. Y. Filed June 16, 1927.

MORNING-LAX

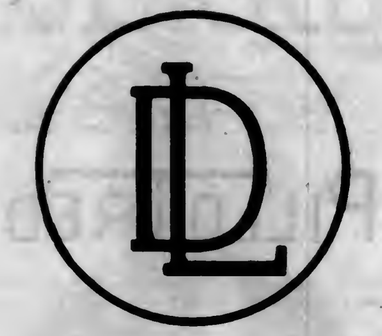
Particular description of goods.—Laxative Tablets.
Claims use since May 18, 1927.

Ser. No. 250,631. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMINGO A. ORTEGA, Albuquerque, N. Mex. Filed June 16, 1927.



Particular description of goods.—Ointment for Use in Treating the Skin and in the Treatment of Boils, Sores, and Cuts, Itching, Soreness, Insect Bites, and Chapped Hands.
Claims use since Apr. 15, 1927.

Ser. No. 250,637. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PRATT & WHITNEY COMPANY, New York, N. Y. Filed June 16, 1927.



Particular description of goods.—Dimension Gauges and Attachments Therefor.
Claims use since Apr. 5, 1927.

Ser. No. 250,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed June 16, 1927.



No claim is made to the words "American Products, N. Y." apart from the mark shown in the drawing.
Particular description of goods.—Selenium Used as a Secondary Vulcanizing Agent in the Manufacture of Rubber Compounds.
Claims use since June 1, 1927.

Ser. No. 250,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THADDEUS HILL WILKINSON, doing business as Wilkinson Pharmacy, Winter Haven, Fla. Filed June 16, 1927.



Particular description of goods.—Preparation for Extermination of Mosquitoes, Flies, Bedbugs, and Other Insects.
Claims use since March, 1927.

Ser. No. 250,676. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn. Filed June 17, 1927.

COLTROCK
CAN BE MADE INTO ANYTHING THAT *can be molded*

No claim is made to the exclusive use of the words "Can Be Made Into Anything That Can Be Molded" apart from the mark shown in the drawing.
Particular description of goods.—Phenolic Condensation Compounds.
Claims use since about May 24, 1927.

Ser. No. 250,724. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & VANDAM, INC., New York, N. Y. Filed June 17, 1927.

BONNIE BOY

Particular description of goods.—All Cotton, Rayon and Cotton, and Silk and Cotton Fabrics.
Claims use since May 25, 1927.

Ser. No. 250,756. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HUGO NEWMAN, New York, N. Y. Filed June 18, 1927.

Dideto Scope

Particular description of goods.—Stereopticons, Optical Projecting Instruments, Supporting Stands, and Screens Therefor.
Claims use since May 23, 1927.

Ser. No. 250,820. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. T. REED, doing business as Liquid Gold Local Antiseptic Co., Lockney, Tex. Filed June 20, 1927.

Liquid Gold

Particular description of goods.—Local Antiseptic for External Use.
Claims use since Jan. 1, 1926.

Ser. No. 250,826. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SQUARE SILK MILLS, INC., New York, N. Y. Filed June 20, 1927.

Kingtoi

Particular description of goods.—Crêpe de Chine Piece Goods.
Claims use since June 13, 1927.

Ser. No. 250,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIMONEIRA COMPANY, Santa Paula, Calif. Filed June 21, 1927.

BRIDAL VEIL

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 5, 1892.

Ser. No. 250,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIMONEIRA COMPANY, Santa Paula, Calif. Filed June 21, 1927.

ROUGH DIAMOND

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 10, 1914.

Ser. No. 250,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. MUNRO, Los Angeles, Calif. Filed June 21, 1927.

ITCHEX

Particular description of goods.—External Salve and Lotion for Use in Treatment of Skin Diseases Such as Itch, Eczema, Ringworm, Dandruff, and for Eliminating Body Lice.
Claims use since Apr. 15, 1927.

Ser. No. 250,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATURE'S TOOTHPASTE CORPORATION, Los Angeles, Calif. Filed June 21, 1927.

NATURE'S

Particular description of goods.—Tooth Paste.
Claims use since May 1, 1927.

Ser. No. 250,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEAGUE-MCKEVETT COMPANY, Santa Paula, Calif. Filed June 21, 1927.

PITCHER

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since Jan. 1, 1914.

Ser. No. 250,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT E. ELY, doing business as Quiz Chemical Co., Glasgow, Ky. Filed June 22, 1927.



Particular description of goods.—Laxative.
Claims use since May 1, 1927.

Ser. No. 250,915. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT E. ELY, doing business as Quiz Chemical Co., Glasgow, Ky. Filed June 22, 1927.

QUIZ

Particular description of goods.—Pile Remedy.
Claims use since May 15, 1927.

Ser. No. 250,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT G. GROBLEWSKI & CO., INCORPORATED, Plymouth, Pa. Filed June 22, 1927.



BEAR BRAND SALVE

Applicant hereby disclaims the exclusive use of the words "Brand" and "Salve" apart from the mark shown in the drawing.
Particular description of goods.—Salve for Fresh Cuts, Boils, and Wounds.
Claims use since January, 1893.

Ser. No. 250,945. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELEANOR A. SPAULDING, Swampscott, Mass. Filed June 22, 1927.

MRS. SPAULDING'S CHILDREN

Particular description of goods.—Dolls.
Claims use since Feb. 1, 1926.

Ser. No. 250,948. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED VESTER SONS, INC., Providence, R. I. Filed June 22, 1927.

PACKADOR
The
POCKET HUMIDOR

The words "The Pocket Humidor" are disclaimed apart from the mark shown.
Particular description of goods.—Cigarette, Cigar, and Tobacco Cases.
Claims use since June 10, 1927.

Ser. No. 250,978. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO. INC., New York, N. Y. Filed June 23, 1927.



"SELL AND REPENT"

Particular description of goods.—Cotton, Cotton and Wool, Wool Rayon, and Rayon and Cotton Fabrics in the Piece.
Claims use since about 1850.

Ser. No. 250,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLONIAL SUGARS COMPANY, New York, N. Y. Filed June 23, 1927.

Colonial



Particular description of goods.—Sugars.
Claims use since May 31, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 26, 1927.

230,453. ARTIFICIAL BAITS. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed March 31, 1927. Serial No. 246,679. PUBLISHED MAY 10, 1927.

230,454. CIGARS. ROBERT S. TATUM, Jr., Jacksonville, Fla.
Filed March 30, 1927. Serial No. 246,646. PUBLISHED MAY 17, 1927.

230,455. NONALCOHOLIC, MALTLESS BEVERAGES. THE SEARS & DERR COMPANY, Chillicothe, Ohio.
Filed March 30, 1927. Serial No. 246,640. PUBLISHED MAY 10, 1927.

230,456. NONALCOHOLIC, MALTLESS BEVERAGES AND FLAVORING MATERIALS FOR MAKING THE SAME. THE SEARS & DERR COMPANY, Chillicothe, Ohio, and Boonville, Ind.
Filed March 30, 1927. Serial No. 246,639. PUBLISHED MAY 10, 1927.

230,457. FISHING LINES. CORTLAND LINE CO. INC., Cortland, N. Y.
Filed March 30, 1927. Serial No. 246,600. PUBLISHED MAY 10, 1927.

230,458. DYES. ROUBAIX PRODUCTS COMPANY, New York, N. Y., assignor to Roubaix Products Corporation, New York, N. Y., a Corporation of New York.
Filed Mar. 29, 1927. Serial No. 246,572. PUBLISHED MAY 10, 1927.

230,459. CLEANSING AND MASSAGE CREAMS. FRECKLE-OFF CO., Los Angeles, Calif.
Filed March 29, 1927. Serial No. 246,545. PUBLISHED MAY 10, 1927.

230,460. CANDY. FLAVOUR CANDY CO., Chicago, Ill.
Filed March 29, 1927. Serial No. 246,544. PUBLISHED MAY 10, 1927.

230,461. PRESSURE REGULATORS FOR STEAM, WATER, GAS, AIR, OIL, AND OTHER FLUIDS AND GASES; COMBUSTION CONTROLS OF STEAM AND HYDRAULIC TYPES; STEAM TRAPS OF FLOAT BUCKET, EXPANSION, AND RETURN TYPES, TOGETHER WITH RELIEF VALVES, TEMPERATURE BALL COCKS, TANK VALVES, AND VARIOUS TYPES OF PUMP REGULATORS. JULIAN D'ESTE COMPANY, Boston, Mass.
Filed March 28, 1927. Serial No. 246,482. PUBLISHED MAY 17, 1927.

230,462. GOLF BALLS. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H.
Filed March 28, 1927. Serial No. 246,468. PUBLISHED MAY 10, 1927.

230,463. CIGARS. YOCUM BROS., INC., Reading, Pa.
Filed March 26, 1927. Serial No. 246,458. PUBLISHED MAY 17, 1927.

230,464. CIGARS. YOCUM BROS., INC., Reading, Pa.
Filed March 26, 1927. Serial No. 246,457. PUBLISHED MAY 17, 1927.

230,465. CANNED FRUITS AND CANNED VEGETABLES. SPRAGUE, WARNER & CO., Chicago, Ill.
Filed March 26, 1927. Serial No. 246,444. PUBLISHED MAY 17, 1927.

230,466. CANNED SALMON. SHEPARD POINT PACKING CO., Seattle, Wash.
Filed March 26, 1927. Serial No. 246,441. PUBLISHED MAY 17, 1927.

230,467. TEXTILE RUGS AND FLOOR COVERINGS. THOMAS DEVELON, Jr., Philadelphia, Pa.
Filed March 26, 1927. Serial No. 246,395. PUBLISHED MAY 17, 1927.

230,468. COCOA, CHOCOLATE, CHOCOLATE CANDY, CAKES, AND CRACKERS, SUGAR CANDY, BONBONS COMPOSED OF NUTS OR FRUITS AND CRYSTALLIZED FLOWERS (BEING BOILED-SUGAR GOODS). CADBURY BROTHERS, LIMITED, Birmingham and Bournville, England.
Filed March 26, 1927. Serial No. 246,387. PUBLISHED MAY 17, 1927.

230,469. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed March 26, 1927. Serial No. 246,386. PUBLISHED MAY 17, 1927.

230,470. CANNED SARDINES. BIVAR & CA., Portimao, Portugal.
Filed March 26, 1927. Serial No. 246,385. PUBLISHED MAY 17, 1927.

230,471. TOY HORNS, KITES, WHISTLES, CAPS, BALLOONS, SQUAWKERS, BEAN SHOOTERS, FLUTES, PAN RATTLES, WOOD CLAPPERS, BASEBALLS, MAGNETIC TOPS, FANS, SQUEAKING BUNS, HARMONICAS, AND BANG GUNS. HARRY H. SNOVEL, doing business as Good Will Service System, Lima, Ohio.
Filed March 24, 1927. Serial No. 246,314. PUBLISHED MAY 10, 1927.

230,472. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WHISTLE BOTTLING CO., East Portchester, Conn.
Filed March 23, 1927. Serial No. 246,256. PUBLISHED MAY 10, 1927.

230,473. SAFETY MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed March 23, 1927. Serial No. 246,252. PUBLISHED MAY 17, 1927.

230,474. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE—AND SIRUPS AND EXTRACTS USED IN MAKING THE SAME. SALT LAKE COCA-COLA BOTTLING CO., Salt Lake City, Utah.
Filed March 23, 1927. Serial No. 246,232. PUBLISHED MAY 10, 1927.

230,475. COAL, WOOD, AND COMBINATION COAL AND GAS STOVES, RANGES, AND FURNACES AND PARTS THEREOF. THE PRIZER-PAINTER STOVE WORKS, Reading, Pa.
Filed March 22, 1927. Serial No. 246,177. PUBLISHED MAY 17, 1927.

230,476. AUTOMOBILE SEAT COVERS. HAMPDEN AUTO TOP AND METAL COMPANY, Springfield, Mass.
Filed March 22, 1927. Serial No. 246,157. PUBLISHED MAY 17, 1927.

230,477. NAPKINS OF COTTON, LINEN, AND COTTON AND LINEN. MANVILLE JENCKES COMPANY, Pawtucket, R. I.
Filed March 21, 1927. Serial No. 246,102. PUBLISHED MAY 17, 1927.

230,478. NAILS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., and Worcester, Mass.
Filed March 18, 1927. Serial No. 245,952. PUBLISHED MAY 17, 1927.

230,479. RADIATION, AND MORE SPECIFICALLY RADIATORS FOR HEATING PURPOSES. LINCOLN RADIATOR CORPORATION, Utica, N. Y.
Filed March 17, 1927. Serial No. 245,915. PUBLISHED MAY 17, 1927.

230,480. SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS. MAURICE ALLAND, Atlantic City, N. J.
Filed March 17, 1927. Serial No. 245,881. PUBLISHED MAY 17, 1927.

230,481. SILK GOODS IN THE PIECE. C. K. EAGLE & Co., INC., Shamokin, Pa., and New York, N. Y.
Filed March 16, 1927. Serial No. 245,832. PUBLISHED MAY 17, 1927.

230,482. COFFEE AND TEA STRAINERS, SOUP STRAINERS, AND JELLY STRAINERS. UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md.
Filed March 15, 1927. Serial No. 245,818. PUBLISHED MAY 17, 1927.

230,483. OIL BURNERS. GEORGE E. CUSTER, Providence, R. I.
Filed March 14, 1927. Serial No. 245,696. PUBLISHED MAY 17, 1927.

230,484. HAIRBRUSHES, CLOTHES BRUSHES, LATHER BRUSHES, AND MILITARY BRUSHES. PROPHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed March 11, 1927. Serial No. 245,581. PUBLISHED MAY 10, 1927.

230,485. PAINT ENAMELS, VARNISHES; DRY, READY-MIXED, AND PASTE PAINTS; WOOD STAINS, PASTE WOOD FILLERS, GLAZING PUTTY, SURFACERS, PRIMERS, JAPAN AND LIQUID DRIERS, PAINT AND VARNISH REMOVERS, PYROXYLIN OR NITROCELLULOSE LACQUERS, LACQUER ENAMELS, AND THINNERS (SOLVENTS). PRATT & LAMBERT, INC., Buffalo, N. Y.
Filed March 9, 1927. Serial No. 245,452. PUBLISHED MAY 10, 1927.

230,486. PAINT ENAMELS, VARNISHES; DRY, READY-MIXED, AND PASTE PAINTS; WOOD STAINS, PASTE WOOD FILLERS, GLAZING PUTTY, SURFACERS, PRIMERS, JAPAN AND LIQUID DRIERS, PAINT AND VARNISH REMOVERS, PYROXYLIN OR NITROCELLULOSE LACQUERS, LACQUER ENAMELS, AND THINNERS (SOLVENTS). PRATT & LAMBERT, INC., Buffalo, N. Y.
Filed March 9, 1927. Serial No. 245,450. PUBLISHED MAY 10, 1927.

230,487. CIGARS. THE NEWMAN CIGAR CO., Cleveland, Ohio.
Filed March 9, 1927. Serial No. 245,449. PUBLISHED MAY 10, 1927.

230,488. SAUSAGE. LOUIS BURK, INC., Philadelphia, Pa.
Filed March 9, 1927. Serial No. 245,420. PUBLISHED MAY 17, 1927.

230,489. PIECE GOODS—NAMELY, HOOK-RUG WEBBING YARN AND HOOK-RUG CANVAS USED IN WEAVING RUGS. AMAZON KNITTING COMPANY, Muskegon, Mich.
Filed March 7, 1927. Serial No. 245,836. PUBLISHED MAY 17, 1927.

230,490. WATERPROOF PAINT IN READY-MIXED FORM. WM. ANDERSON CO., Stockton, Calif.
Filed March 7, 1927. Serial No. 245,814. PUBLISHED MAY 10, 1927.

230,491. COFFEE. IN-A-DOOR COFFEE COMPANY OF MISSOURI, St. Louis, Mo.
Filed April 8, 1927. Serial No. 247,131. PUBLISHED MAY 17, 1927.

230,492. MATCHES. THE PLEE-ZING CORPORATION, New York, N. Y.
Filed January 17, 1927. Serial No. 242,968. PUBLISHED MAY 17, 1927.

230,493. DISINFECTANTS FOR HANDS AND THE FIELD OF OPERATION AND A COSMETIC FOR THE SKIN. PHARMAKON A. G. CHEMISCHE FABRIK, Frankfort-on-the-Main, Germany.
Filed January 18, 1927. Serial No. 243,013. PUBLISHED MAY 10, 1927.

230,494. NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. HOFFMAN BEVERAGE CO., Newark, N. J.
Filed January 21, 1927. Serial No. 243,155. PUBLISHED MAY 17, 1927.

230,495. CANDY. E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif.
Filed January 22, 1927. Serial No. 243,212. PUBLISHED MAY 17, 1927.

230,496. OINTMENT FOR THE TREATMENT OF PNEUMONIA, INFLUENZA, RHEUMATISM, SCIATICA, PLEURISY, NEURALGIA, BRONCHITIS, HEADACHE, EARACHE, LUMBAGO, SPRAINS, COLDS, STIFF JOINTS, AND ALL PAINS AND ACHES. B & K COMPANY, INCORPORATED, New Milford, N. J.
Filed January 26, 1927. Serial No. 243,339. PUBLISHED MAY 10, 1927.

230,497. DOLLS MADE OF CHINA, WAX, CELLULOID, FABRIC, AND STUFFED. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed January 27, 1927. Serial No. 243,423. PUBLISHED MAY 17, 1927.

230,498. ASPHALTUM PAINT APPLIED WITH A BRUSH, GUN, TROWEL, OR ANY OTHER SUITABLE PAINTING METHOD TO BUILDING SURFACES SUCH AS WOOD, METAL, MASONRY, AND STONE FOR WATERPROOFING AND WEATHERPROOFING; ALSO USED IN THE MEMBRANE METHOD OF WATERPROOFING. THE STERLING PRODUCTS COMPANY, Cleveland, Ohio.
Filed January 28, 1927. Serial No. 243,510. PUBLISHED MAY 10, 1927.

230,499. GINGER ALE. THE WOOLNER BREWING COMPANY, Toledo, Ohio.
Filed January 31, 1927. Serial No. 243,636. PUBLISHED MAY 10, 1927.

230,500. BRANDY AND LIQUORS. SUCCESSORI NICOLINI & VENESIA, Biella, Italy.
Filed February 3, 1927. Serial No. 243,791. PUBLISHED MAY 17, 1927.

230,501. CANDY, PASTRY, BISCUITS, CHOCOLATE, COCOA, COFFEE, TEA, CHICORY, OLIVE OIL, SALAD OIL, CANNED FRUITS AND VEGETABLES; CANNED MEATS—NAMELY, CANNED VEAL, CANNED BEEF, AND CANNED POULTRY; AND CANNED FISH. RAY. CHEVALLIER-APPERT, Paris, France.
Filed February 5, 1927. Serial No. 243,840. PUBLISHED MAY 17, 1927.

230,502. THINNERS FOR PAINTS AND VARNISHES. THE GROTON CHEMICAL CO., Groton, Conn.
Filed February 5, 1927. Serial No. 243,855. PUBLISHED MAY 10, 1927.

230,503. ANTISEPTICS. FORHAN COMPANY, New York, N. Y.
Filed February 7, 1927. Serial No. 243,934. PUBLISHED MAY 10, 1927.

230,504. COTTON PIECE GOODS, SILK PIECE GOODS, ETC. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,100. PUBLISHED MAY 17, 1927.

230,505. DRESSED FOWLS, EGGS, AND CANS OF FROZEN EGGS. F. C. PENNINGTON PRODUCE COMPANY, Greenville and Sulphur Springs, Tex.
Filed February 9, 1927. Serial No. 244,104. PUBLISHED APRIL 19, 1927.

230,506. CALOGREEN, A MERCURIAL SALT KNOWN AS MERCUROUS CHLORIDE EMPLOYED FOR THE CONTROL OF BROWN PATCH ON PUTTING GREENS AND FINE LAWNS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed February 11, 1927. Serial No. 244,284. PUBLISHED MAY 10, 1927.

230,507. READY-MIXED, SEMIPASTE, AND PASTE PAINTS; VARNISH; PRIMER FOR WOOD, METAL, AND OTHER MATERIALS; AND PAINT ENAMEL. W. P. FULLER & Co., San Francisco, Calif.
Filed February 12, 1927. Serial No. 244,299. PUBLISHED MAY 10, 1927.

230,508. PREPARATION FOR THE TREATMENT OF BURNS. LEONARD SUTERA, doing business as L. S. & Co., Brooklyn, N. Y.
Filed February 17, 1927. Serial No. 244,520. PUBLISHED APRIL 26, 1927.

230,509. SKIN BLEACH AND BEAUTIFIER. PETER AGNOST, Omaha, Nebr.
Filed February 21, 1927. Serial No. 244,645. PUBLISHED MAY 10, 1927.

230,510. AUTOMOBILES. ELCAR MOTOR COMPANY, Elkhart, Ind.
Filed February 26, 1927. Serial No. 244,921. PUBLISHED MAY 17, 1927.

230,511. SMOKING TOBACCO. THE ZORRO TOBACCO CO. INC., New York, N. Y.
Filed April 7, 1927. Serial No. 247,112. PUBLISHED MAY 17, 1927.

230,512. CLEANING AND POLISHING PREPARATION FOR AUTOMOBILES, FURNITURE, WOODWORK, ENAMELED SURFACES, AND THE LIKE. I-SIS LABORATORIES, INC., New York, N. Y.
Filed March 31, 1927. Serial No. 246,684. PUBLISHED MAY 10, 1927.

230,513. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed March 31, 1927. Serial No. 246,719. PUBLISHED MAY 17, 1927.

230,514. WASH BOILERS, WASH-BOILER COVERS, WASHTUBS, AND CLOTHES SPRAYERS. THE REPUBLIC METALWARE CO., Buffalo, N. Y.
Filed April 1, 1927. Serial No. 246,775. PUBLISHED MAY 17, 1927.

230,515. CANDLESTICKS, STOVEPIPE THIMBLES, STOVEPIPE DAMPERS, STOVEPIPE ELBOWS, FLUE STOPPERS, STOVEPIPE RINGS, FURNACE PIPES, AND STOVEPIPES. THE REPUBLIC METALWARE CO., Buffalo, N. Y.
Filed April 1, 1927. Serial No. 246,777. PUBLISHED MAY 17, 1927.

230,516. TOY GUNS. TIDDYWOODS TOY COMPANY, Indianapolis, Ind.
Filed April 1, 1927. Serial No. 246,785. PUBLISHED MAY 10, 1927.

230,517. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed April 2, 1927. Serial No. 246,814. PUBLISHED MAY 17, 1927.

230,518. PIECE GOODS MADE OF SILK, COTTON, AND WOOL. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed April 4, 1927. Serial No. 246,897. PUBLISHED MAY 17, 1927.

230,519. VEHICLE BODIES AND PARTS THEREOF. HOOVER BODY COMPANY, York, Pa.
Filed April 4, 1927. Serial No. 246,902. PUBLISHED MAY 17, 1927.

230,520. VEHICLE BODIES AND PARTS THEREOF. HOOVER BODY COMPANY, York, Pa.
Filed April 4, 1927. Serial No. 246,904. PUBLISHED MAY 17, 1927.

230,521. IRONING-BOARD PADS AND COVERS. LAMCO PRODUCTS CO., Chicago, Ill.
Filed April 4, 1927. Serial No. 246,913. PUBLISHED MAY 17, 1927.

230,522. DOLLS AND DOLL-PLAYPEN SETS. STRAUSS-ECKARDT CO. INC., New York, N. Y.
Filed April 5, 1927. Serial No. 246,987. PUBLISHED MAY 17 1927.

230,523. CANDY. FANNIE MAY CANDY CO. INC., Washington, D. C.
Filed April 6, 1927. Serial No. 247,008. PUBLISHED MAY 17, 1927.

230,524. CANNED CLAMS. PACIFIC SEA FOODS CO., Hoquiam, Wash.
Filed April 6, 1927. Serial No. 247,036. PUBLISHED MAY 17, 1927.

230,525. MEDICINAL PREPARATION USED FOR THE TREATMENT OF FEMALE DISORDERS. HOLLANDER BROS. DRUG CO., Braddock, Pa.
Filed March 31, 1927. Serial No. 246,682. PUBLISHED MAY 10, 1927.

230,526. PREPARATION FOR THE TREATMENT OF SKIN DISEASES. JAMES V. FERRIS, Colorado Springs, Colo.
Filed March 5, 1927. Serial No. 245,260. PUBLISHED MAY 10, 1927.

230,527. METAL ANGLES, SHAPES, PLATES, FASTENERS, ETC. EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y.
Filed August 29, 1923. Serial No. 185,156. PUBLISHED MAY 10, 1927.

230,528. CONSERVED FRUITS AND VEGETABLES, MARMALADES, AND JAMS. CONSERVENFABRIK LENZBURG VORM. HENCKELL & ROTH, Lenzburg, Switzerland.
Filed January 19, 1926. Serial No. 226,098. PUBLISHED MAY 17, 1927.

230,529. A POLISH FOR AUTOMOBILES, FURNITURE, AND THE LIKE AND FOR SURFACES REQUIRING A SIMILAR FINISH. HARRY T. CRAWFORD, doing business as Doc's Auto Products Co., Lansing, Mich.
Filed February 4, 1926. Serial No. 226,847. PUBLISHED MAY 10, 1927.

230,530. FERTILIZERS. U. S. EXPORT CHEMICAL CORPORATION, Tampa, Fla., and New York, N. Y.
Filed March 6, 1926. Serial No. 228,281. PUBLISHED MAY 17, 1927.

230,531. WASHING MACHINES. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed March 20, 1926. Serial No. 228,911. PUBLISHED MAY 10, 1927.

230,532. FRESH WATERMELONS. LEONARD, CROSSET & RILEY, Cincinnati, Ohio, assignor to Leonard, Crosset & Riley, Inc., of Cincinnati, Ohio, a Corporation of Delaware.
Filed April 15, 1926. Serial No. 230,247. PUBLISHED MAY 17, 1927.

230,533. FORM OF PEAT MOSS USED AS A HUMUS OR SOIL IMPROVER. JULIUS LOEWITH, INC., New York, N. Y.
Filed May 4, 1926. Serial No. 231,114. PUBLISHED MAY 10, 1927.

230,534. SHEET-METAL TOYS—NAMELY, TOY WAGONS, TOY CARTS, TOY CARS, TOY AUTOMOBILES, TOY ENGINES, TOY CRANES, AND TOY AEROPLANES. ELIZABETH H. CHEIN, Harrison, N. J.
Filed June 10, 1926. Serial No. 232,993. PUBLISHED MAY 17, 1927.

230,535. FLOOR AND WALL COVERINGS OF LINOLEUM. LISHER & RATTO, Napa, Calif.
Filed May 20, 1926. Serial No. 231,937. PUBLISHED MAY 17, 1927.

230,536. GIFT ARTICLES, COMPRISING BRASS WARE AND PEWTER WARE, INCLUDING PLATTERS, PLATES, BOWLS, PORRINGERS, DISHES, TRAYS, POTS, JUGS IN THE NATURE OF PITCHERS AND EWERS, TUREENS, AND MUGS. MARIE A. BILLINGTON, New York, N. Y.
Filed September 10, 1926. Serial No. 237,062. PUBLISHED MAY 17, 1927.

230,537. TICKING. AMERICAN IMPORTING COMPANY, New York, N. Y.
Filed November 9, 1926. Serial No. 239,840. PUBLISHED MAY 17, 1927.

230,538. PERFUMES AND COLOGNE. MARCEL GUERLAIN, Suresnes, Paris, France.
Filed November 10, 1926. Serial No. 239,884. PUBLISHED MAY 3, 1927.

230,539. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. THE KOOLER CO., Washington, D. C.
Filed November 15, 1926. Serial No. 240,080. PUBLISHED MAY 17, 1927.

230,540. CARD-TABLE COVERS, A TEXTILE CREATION OF COTTON AND RAYON, SO-CALLED ARTIFICIAL SILK. YORK MANUFACTURING CO., Saco, Me., and Boston, Mass.
Filed November 15, 1926. Serial No. 240,119. PUBLISHED MAY 17, 1927.

230,541. FRESH PEARS AND FRESH GRAPES. E. BONSI, Monticello, Calif.
Filed December 13, 1926. Serial No. 241,388. PUBLISHED MAY 17, 1927.

230,542. SALT. THE SMOKED SALT COMPANY, Cincinnati, Ohio.
Filed December 7, 1926. Serial No. 241,117. PUBLISHED MAY 10, 1927.

230,543. FRESH ORANGES. REDLANDS ORANGE GROWERS' ASSOCIATION, Redlands, Calif.
Filed December 13, 1926. Serial No. 241,439. PUBLISHED MAY 17, 1927.

230,544. FISHING-TACKLE BOXES. OUTING MANUFACTURING COMPANY, Elkhart, Ind.
Filed January 17, 1927. Serial No. 242,962. PUBLISHED MAY 10, 1927.

230,545. CANDY. HENRY MAILLARD, INC., Long Island City, N. Y.
Filed April 13, 1927. Serial No. 247,370. PUBLISHED MAY 17, 1927.

230,546. GAS-BURNING WATER HEATERS, AIR AND GAS MIXERS FOR GAS-BURNING DEVICES, GAS-FIRED STEAM BOILERS; FURNACES—NAMELY, GAS-FIRED FURNACES FOR DOMESTIC AND INDUSTRIAL PURPOSES; AND PARTS OR APPLIANCES USED ON THE FOREGOING. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed January 11, 1926. Serial No. 225,804. PUBLISHED MAY 17, 1927.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

230,547. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING & REFINING COMPANY, New York, N. Y., and San Francisco, Calif. Filed Jan. 6, 1926. Serial No. 225,540.

RELIABLE

Particular description of goods.—Nonferrous Metals, Lead, Babbitt, Solder, and Alloys in Ingots, Pigs, Slabs, Bars, Rods, Wires, Sticks, Sheets, Anodes, Cathodes, and Dust Made Therefrom.
Claims use since March, 1908.

230,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed Jan. 2, 1926. Serial No. 225,406.

Wyandotte

Particular description of goods.—Soda Ash, Commercial, Industrial, Modified and Special Forms of Soda Ash and Compounds Thereof, White Ash, Textile White Ash, Tanners' Soda, Modified Tanners' Soda, Textile and Tanners' Soda, Concentrated Soda Ash, Modified Soda Ash for Prevention of Sap Strain in Lumber, Etc.
Claims use since 1899.

230,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CONSERVING COMPANY, San Francisco, Calif. Filed Sept. 7, 1926. Serial No. 236,907.

YOLO

Particular description of goods.—Pickles, Catchup, Prepared Mustard, and Worcestershire Sauce.
Claims use since June 1, 1926.

230,550. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) FREDERICK H. ROGERS, doing business as Quik-Stik Rubber Works, Chicago, Ill. Filed Oct. 25, 1926. Serial No. 239,199.

Quik Stik

Particular description of goods.—Rubber Patches.
Claims use since Apr. 1, 1926.

230,551. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y. Filed Nov. 22, 1926. Serial No. 240,457.

RALEIGH

Particular description of goods.—Heating-System Devices in the Nature of Radiator Inclosures and Cabinets Serving to Deflect, Reflect, Control, and Distribute Heat.
Claims use since June 17, 1926.

230,552. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE KLINKER MANUFACTURING CO., Cleveland, Ohio. Filed Feb. 7, 1927. Serial No. 243,954.

FACE

FASE

Particular description of goods.—Soap Shaving Cream.
Claims use since 1921.

230,553. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADELAIDE ORTEGAT, doing business as Parfumerie de Boor, Paris, France. Filed Apr. 20, 1927. Serial No. 247,749.

La Méthode de Madame A. de BOOR

Particular description of goods.—Face Massage Powder, Cleansing Cream, Reducing Cream, Tonic to Grow Eyelashes, Youth-Restoring and Wrinkle-Removing Cream.
Claims use since May 6, 1925.

230,554. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) V. MUELLER & CO., Chicago, Ill. Filed Apr. 23, 1927. Serial No. 247,905.

CORBUS'

Particular description of goods.—Thermophores.
Claims use since January, 1924.

230,555. (CLASS 32. FURNITURE AND UPHOLSTERY.) C. TEMPLE MURPHY, Pasadena, Calif. Filed May 2, 1927. Serial No. 248,314.

Patsy

Particular description of goods.—Household and Office Chairs, Settees, Stools, and Tables.
Claims use since Jan. 1, 1925.

230,556. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PREMIUM METAL & PACKING CO., Wilkinsburg, Pa. Filed May 10, 1927. Serial No. 248,789.

PREMIUM

Particular description of goods.—Bearing Metals Consisting of Alloys of Tin, Lead, Antimony, and Aluminum.
Claims use since July 1, 1910.

230,557. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SCHUELER-STAMFORD, INCORPORATED, Stamford, Conn. Filed June 18, 1927. Serial No. 250,761.

New England Dry

Particular description of goods.—Bottled Ginger Ale.
Claims use since August, 1925.

230,558. (CLASS 12. CONSTRUCTION MATERIALS.) EGBERT CONCRETE PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 23, 1926. Serial No. 229,026.

ROCK-TILE

Particular description of goods.—Tiles.
Claims use since about Mar. 17, 1926.

230,559. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Jan. 13 1927. Serial No. 242,768.

AMERICAN PULLEYS

Particular description of goods.—Steel Split Pulleys.
Claims use since February, 1923.

230,560. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BENTZ ENGINEERING CORPORATION, Newark, N. J. Filed Oct. 18, 1926. Serial No. 238,767.

Chillblast

Particular description of goods.—Air Conditioners, Coolers, and Dehumidifiers for Use in the Confectionery and Bakery Trade.
Claims use since May, 1922.

230,561. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Jan. 13, 1927. Serial No. 242,769.

AMERICAN HANGERS

Particular description of goods.—Pressed Steel Hangers for the Mounting of Machinery Shafts.
Claims use since February, 1923.

230,562. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Jan. 13, 1927. Serial No. 242,770.

AMERICAN BEAM HEADS

Particular description of goods.—Pressed Steel Beam Heads.
Claims use since May, 1925.

230,563. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass. Filed Feb. 14, 1927. Serial No. 244,871.

PLANER

Particular description of goods.—Saws.
Claims use since Jan. 1, 1926.

230,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD M. DESTEL, Los Angeles, Calif. Filed Mar. 23, 1927. Serial No. 246,201.

RASINUT

Particular description of goods.—Bread.
Claims use since June 1, 1925.

230,565. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM GEORGES, doing business as La Rex Chemical Company, Seattle, Wash. Filed Apr. 25, 1927. Serial No. 247,947.

NOITCH

Particular description of goods.—Eczema Lotion.
Claims use since Jan. 1, 1926.

230,566. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RAY E. BRIGGS, Los Angeles, Calif. Filed May 18, 1927. Serial No. 249,151.

QUALITY

Particular description of goods.—A Waxy Preparation for Cleaning and Polishing Floors, Woodwork, and Furniture.
Claims use since Feb. 1, 1924.

230,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 6, 1925. Serial No. 207,766.

WATKINS

Particular description of goods.—Brown Skin Face Powder, Complexion Powder, Deodorant Powder, Talcum Powder, Tooth Powder, Powdered Insecticides, Cold Cream, Face Cream, Vanishing Cream, Skin Lotion, Rouge, Perfume, Toilet Water, Scalp Tonic, Shampoo Jelly, Coconut-Oil Shampoo, Mouth Wash, Tooth Paste, Nail Polish, Aspirin, Kidney and Bladder Pills, Cascara Senna Tablets, Cathartic Liver Pills, Camphor Mustard Ointment, Menthol Camphor, Liniment, Cough Medicine, Volatyle Salve (a Medicinal Compound Suitable for the Relief of Respiratory Disorders), After-Shave Lotion, Pomades, Root and Herb Tea, Stock Tonic, Baking Powder, Digestive Tablets, Corn Salve, Diuretic Tablets, Headache Tablets, Herb Laxative Tablets, Little Liver Pills, Rheumatic and Gout Pills, Salves Suitable as a Dressing in Reducing Pains by External Application, Toothache Wax, Worm Tablets, Household Disinfectant, Liquid Insecticides, and Poultry Tonic.
Claims use since Dec. 27, 1916.

230,568. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAY STATE OPTICAL CO., Attleboro, Mass. Filed July 1, 1925. Serial No. 216,707.

PRINCETON

Particular description of goods.—Ophthalmic Mountings.
Claims use since the year 1921.

230,569. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE EUREKA BRASS WORKS COMPANY, Cincinnati, Ohio. Filed July 12, 1926. Serial No. 234,435.

SHUR GRIP

Particular description of goods.—Radiator Valves, Including Steam-Radiator Valves, Hot-Water-Radiator Valves, Radiator Gate Valves, and for Handles and Wheels for Radiator Valves.
Claims use since May 6, 1926.

230,570. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DELAGE & CIE, Paris, France. Filed Jan. 26, 1927. Serial No. 243,350.

DELAGE

Particular description of goods.—Automobiles.
Claims use since Aug. 14, 1909.

230,571. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GUERNARD MANUFACTURING COMPANY, Beverly, Mass. Filed Feb. 14, 1927. Serial No. 244,356.

"THUMLOCK"

Particular description of goods.—Couplings for Hose.
Claims use since March, 1914.

230,572. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COLSON STORES COMPANY, Elyria, Ohio. Filed Apr. 16, 1927. Serial No. 247,524.

Colson

Particular description of goods.—Casters.
Claims use since on or about June 1, 1926.

230,573. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GRUEN WATCH COMPANY, Cincinnati and Time Hill, Cinnati, Ohio. Filed May 21, 1926. Serial No. 249,349.

SWEATPROOF

Particular description of goods.—Leather Straps for Wrist Watches.
Claims use since Mar. 3, 1926.

TRADE-MARK REGISTRATIONS RENEWED

30,297. PERFUMES, ANTIPYRETIC, AND ANTINEURALGIC PREPARATIONS, DISINFECTANTS, SALICYLIC ACID, AND ITS DERIVATIVES. Registered June 29, 1897. BASLE CHEMICAL WORKS BINDSCHEDLER. Renewed June 29, 1927, to Society of Chemical Industry in Basle, Basle, Switzerland, a Corporation of Switzerland, assignee.

30,494. DYESTUFF. Registered August 10, 1897. BADISCHE ANILIN AND SODA FABRIK, Ludwigshafen-on-the-Rhine, Germany. Renewed August 10, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

30,625. MALT EXTRACTS. Registered October 5, 1897. KATHREINERS MALZKAFFEE-FABRIKEN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Munich, Uerdingen, and Berlin, Germany. Renewed October 5, 1927, to Kathreiners Malzkaffee-Fabriken G. m. b. H., Berlin, Germany, a Corporation of Germany.

30,626. MALT EXTRACTS. Registered October 5, 1897. KATHREINERS MALZKAFFEE-FABRIKEN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Munich, Uerdingen, and Berlin, Germany. Renewed October 5, 1927, to Kathreiners Malzkaffee-Fabriken G. m. b. H., Berlin, Germany, a Corporation of Germany.

30,776. BOILERS FOR STEAM AND WATER HEATING SYSTEMS. Registered October 26, 1897. KEWANEE BOILER COMPANY, Kewanee, Ill., a Corporation of Illinois. Renewed October 26, 1927.

30,777. BOILERS FOR STEAM AND WATER HEATING SYSTEMS. Registered October 26, 1897. KEWANEE BOILER COMPANY, Kewanee, Ill., a Corporation of Illinois. Renewed October 26, 1927.

30,929. COPPER IN INGOTS, BARS, AND OTHER UNMANUFACTURED FORMS. Registered November 30, 1897. MOUNTAIN COPPER CO., LTD., London, England. Renewed November 30, 1927, to The Mountain Copper Co. Limited, San Francisco, Calif., a Corporation of England.

62,952. PAINT. Registered June 4, 1907. WILLIAM D. CRAIG, doing business as W. D. Craig Company, Kansas City, Mo. Renewed June 4, 1927.

62,972. STOVE POLISH. Registered June 4, 1907. BLACK SILK STOVE POLISH WORKS, Sterling, Ill. Renewed June 4, 1927, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

62,973. STOVE POLISH. Registered June 4, 1907. BLACK SILK STOVE POLISH WORKS, Sterling, Ill. Renewed June 4, 1927, to J. L. Prescott Company, New York, N. Y., a Corporation of New Jersey, assignee.

63,356. SHOULDER BRACES AND SUSPENDERS. Registered June 18, 1907. P. BAILLY & CIE., Paris, France. Renewed June 18, 1927.

63,357. SHOULDER BRACES AND SUSPENDERS. Registered June 18, 1907. P. BAILLY & CIE., Paris, France. Renewed June 18, 1927.

63,398. SWEATERS. Registered June 18, 1907. GEORGE E. WYE COMPANY, Needham, Mass., a Corporation of Massachusetts. Renewed June 18, 1927.

63,488. CERTAIN TEXTILES. Registered June 25, 1907. CHINA & JAPAN TRADING COMPANY, LIMITED. Renewed June 25, 1927, to China & Japan Trading Company, Ltd., New York, N. Y., a Corporation of New York, assignee.

63,712. A PERIODICAL DEVOTED TO PHARMACY. Registered July 2, 1907. MERCK & CO. Renewed July 2, 1927, to Merck & Co., New York, N. Y., a Corporation of New York, assignee.

63,771. SHOULDER BRACES AND SUSPENDERS. Registered July 9, 1907. P. BAILLY & CIE., Paris, France. Renewed July 9, 1927.

63,800. SHOULDER BRACES AND SUSPENDERS. Registered July 9, 1907. P. BAILLY & CIE., Paris, France. Renewed July 9, 1927.

63,801. SHOULDER BRACES AND SUSPENDERS. Registered July 9, 1907. P. BAILLY & CIE., Paris, France. Renewed July 9, 1927.

63,843. RUBBER BOOTS AND SHOES. Registered July 9, 1907. WM. H. WALKER & COMPANY. Renewed July 9, 1927, to Wm. H. Walker & Company, Buffalo, N. Y., a Corporation of New York, assignee.

63,878. INSULATED ELASTIC WIRE AND CABLES. Registered July 9, 1907. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed July 9, 1927.

64,121. CERTAIN FOOTWEAR. Registered July 23, 1907. A. G. SPALDING & BROS., Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed July 23, 1927.

64,166. INSULATED WIRES, CABLES, AND CORDS. Registered July 30, 1907. W. M. HABIRSHAW, Yonkers, N. Y. Renewed July 30, 1927, to Habirshaw Cable and Wire Corporation, New York, N. Y., a Corporation of New York, successor.

64,347. NAILS. Registered August 6, 1907. THE BENJAMIN HOBART COMPANY. Renewed August 6, 1927, to G. G. Roberts Corporation, Whitman, Mass., a Corporation of Massachusetts, assignee.

64,562. LUBRICATING AND CUTTING OILS AND GREASES AND LUBRICATING COMPOUNDS. Registered August 13, 1907. THE UNIVERSAL OIL CO., Baltimore, Md. Renewed August 13, 1927, to The Universal Oil Co., New York, N. Y., a Corporation of Maryland.

64,669. A COLOR-SETTING COMPOUND USED IN DYEING. Registered August 20, 1907. AUG. ELHARDT SÖHNE, Dietmannsried, Germany. Renewed August 20, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

64,681. A BLOOD AND NERVE TONIC. Registered August 20, 1907. LE COMPTE & GAYLE CO., Frankfort, Ky., a Corporation of Kentucky. Renewed August 20, 1927.

64,915. CERTAIN OBJECTS OF ART AND ORNAMENT. Registered August 27, 1907. GORHAM MFG. COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed August 27, 1927.

65,037. STOCK AND TABLE SALT. Registered September 3, 1907. UTILITY SALT COMPANY, INC., Wheeling, W. Va., a Corporation of West Virginia. Renewed September 3, 1927.

65,197. ILLUMINATING AND LUBRICATING OILS AND GREASES. Registered September 10, 1907. GALENA-SIGNAL OIL CO., Franklin, Pa., a Corporation of Pennsylvania. Renewed September 10, 1927.

65,441. CERTAIN MASONRY MATERIALS. Registered September 24, 1907. H. H. SYMMES COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed September 24, 1927.

65,491. CERTAIN METAL GOODS. Registered October 8, 1907. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed October 8, 1927.

65,492. CERTAIN METAL GOODS. Registered October 8, 1907. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed October 8, 1927.

65,493. CERTAIN WIRE. Registered October 8, 1907. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed October 8, 1927.

65,528. CERTAIN WIRE. Registered October 8, 1907. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J., a Corporation of New Jersey. Renewed October 8, 1927.

65,638. CERTAIN REMEDY. Registered October 15, 1907. LE COMPTE & GAYLE CO., Frankfort, Ky., a Corporation of Kentucky. Renewed October 15, 1927.

65,647. HIGH EXPLOSIVES. Registered October 15, 1907. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Renewed October 15, 1927, to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware, assignee by mesne assignments.

65,672. CERTAIN CLOTHING. Registered October 15, 1907. F. A. PATRICK & CO., Duluth, Minn., a Corporation of Maine. Renewed October 15, 1927.

65,945. CERTAIN COTTON FABRICS. Registered October 29, 1907. MOUNT HOPE FINISHING COMPANY, North Dighton, Mass. Renewed October 29, 1927.

65,994. LUBRICATING OILS. Registered November 5, 1907. GALENA-SIGNAL OIL CO., Franklin, Pa., a Corporation of Pennsylvania. Renewed November 5, 1927.

66,063. WHEAT FLOUR. Registered November 5, 1907. WASHBURN CROSBY COMPANY, Minneapolis, Minn., a Corporation of Minnesota. Renewed November 5, 1927.

66,154. LUBRICATING OILS. Registered November 12, 1907. GALENA-SIGNAL OIL CO., Franklin, Pa., a Corporation of Pennsylvania. Renewed November 12, 1927.

66,183. AGRICULTURAL AND HORTICULTURAL SEEDS. Registered November 12, 1907. PETER HENDERSON & CO., New York, N. Y., a Corporation of New Jersey. Renewed November 12, 1927.

66,207. LAWN MOWERS. Registered November 12, 1907. PETER HENDERSON & CO., New York, N. Y., a Corporation of New Jersey. Renewed November 12, 1927.

66,278. FERTILIZERS. Registered November 19, 1907. THE MOUNTAIN COPPER COMPANY LIMITED, London, England, and San Francisco, Calif. Renewed November 19, 1927, to The Mountain Copper Co. Limited, San Francisco, Calif., a Corporation of England.

66,367. CERTAIN MEDICINES. Registered November 26, 1907. THOMAS F. LAUBACH, New York, N. Y. Renewed November 26, 1927, to Laubach Proprietary Medicines, Jersey City, N. J., a Corporation of New Jersey, assignee.

66,452. SAFETY PAPER. Registered November 26, 1907. GEORGE LA MONTE & SON, Nutley, N. J., and New York, N. Y. Renewed November 26, 1927, to George La Monte & Son, New York, N. Y., a Corporation of New Jersey.

66,453. SAFETY PAPER. Registered November 26, 1907. GEORGE LA MONTE & SON, New York, N. Y., and Nutley, N. J. Renewed November 26, 1927, to George La Monte & Son, New York, N. Y., a Corporation of New Jersey.

66,465. SPOOL COTTON OR SEWING THREAD. Registered December 3, 1907. BLODGETT & ORSWELL CO., Pawtucket, R. I., a Corporation of Rhode Island. Renewed December 3, 1927.

66,468. CERTAIN RUBBER ARTICLES. Registered December 3, 1907. THE FAULTLESS RUBBER COMPANY, Akron, Ohio. Renewed December 3, 1927, to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio.

66,484. CERTAIN RUBBER GOODS. Registered December 3, 1907. THE FAULTLESS RUBBER COMPANY, Akron, Ohio. Renewed December 3, 1927, to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio.

66,485. CERTAIN SURGICAL GOODS. Registered December 3, 1907. THE FAULTLESS RUBBER COMPANY, Akron, Ohio. Renewed December 3, 1927, to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio.

66,538. NEWSPAPERS. Registered December 10, 1907. THE WASHINGTON POST COMPANY, Washington, D. C., a Corporation of the District of Columbia. Renewed December 10, 1927.

66,584. CERTAIN EDGE TOOLS. Registered December 17, 1907. G. W. BRADLEY'S SONS, Weston, Conn. Renewed December 17, 1927, to Willard S. Adams, doing business as G. W. Bradley's Sons, Westport, Conn., successor.

66,601. FERTILIZERS. Registered December 17, 1907. F. W. TUNNELL & CO. Renewed December 17, 1927, to F. W. Tunnell & Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

66,616. ROLLED OATS. Registered December 17, 1907. ALBERT BROS. MILLING CO., Portland, Oreg. Renewed December 17, 1927, to Albert Bros. Milling Co., San Francisco, Calif., a Corporation of Oregon.

66,674. LEATHER BOOTS AND SHOES. Registered December 17, 1907. SELZ, SCHWAB & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 17, 1927.

LABELS

REGISTERED, JULY 26, 1927.

32,482.—*Title:* THE LABEL OF THE ORIGINAL PLUMBING SHOP ON WHEELS GUARANTEES QUALITY. ON OUR TRUCKS. For Trucks. WILLIAM EARNEST AVRIL, Santa Monica, Calif. Published April 4, 1927.

32,483.—*Title:* MILK BONE CRUMBS. For Food For Cats, Kittens, Puppies, and Toy Dogs. F. H. BENNETT BISCUIT CO., New York, N. Y. Published May 11, 1927.

32,484.—*Title:* HOSTESS PACKAGE. For Ginger Ale. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Published February 1, 1926.

32,485. *Title:* COX'S CORN REMOVER. For Corn Remover. JOSEPH EARL COX, Kansas City, Mo. Published May 28, 1927.

32,486.—*Title:* DIRECTIONS. For Kilrust. CARLETON DEDDERA, Winter Haven, Fla. Published April 26, 1927.

32,487. *Title:* TRUTH BRAND. For Malt Sirup. WILLIAM W. GARFINKEL, Wilmington, Del. Published October 14, 1926.

32,488.—*Title:* SANDWICH. For Pickles. GLADBROOK PACKING CO., doing business as Gladbrook Mustard Factory, Long Beach, Calif. Published May 25, 1927.

32,489.—*Title:* QUERCUS RANCH BRAND. For Bartlett Pears. MILOS M. GOPCEVIC, Kelseyville, Calif. Published May 20, 1927.

32,490.—*Title:* AUNT EDNA'S. For Candy. E. H. HACKER, doing business as Sterling Candy Company, Milwaukee, Wis. Published April 28, 1927.

32,491.—*Title:* S. M. A. For Food Product for Infants. THE LABORATORY PRODUCTS COMPANY, Cleveland, Ohio. Published June 10, 1927.

32,492.—*Title:* ROWLEW MAGIC KLEANER. For A Cleaning Preparation. MRS. JACK F. LEWIS, doing business as Rowlew Manufacturing Company, Raleigh, N. C. Published November 1, 1926.

32,493.—*Title:* MARIE-DANA CANDIES. For Homemade Candies. MARIE-DANA BILLON, Palm City, Calif. Published March 27, 1927.

32,494.—*Title:* MAHAN PECAN TREE. For Mahan Pecan Trees. MONTICELLO NURSERY COMPANY, Monticello, Fla. Published June 1, 1927.

32,495.—*Title:* KELLY'S. For Canned Pineapple Jam. MUNRO, LTD., Honolulu, Hawaii Territory. Published May 2, 1927.

32,496.—*Title:* CHOCOLATE PICKANINNIES. For Cakes. THE C. M. PITT & SONS COMPANY, Baltimore, Md. Published May 26, 1927.

32,497.—*Title:* BAMA'S SYRUP. For Sirup. TUSCALOOSA SYRUP CO., INC., Tuscaloosa, Ala. Published May 2, 1927.

32,498.—*Title:* WILLOW GROVE. For Butter. M. WILDSTEIN, Philadelphia, Pa. Published December 30, 1926.

32,499.—*Title:* OH HENRY! For Candy. WILLIAMSON CANDY COMPANY, Chicago, Ill. Published June 2, 1927.

32,500.—*Title:* HOT CHIPS. For Cooked Sliced Potatoes, Called Hot Chips. YO-HO PURE FOOD PRODUCTS CO., Chicago, Ill. Published May 29, 1927.

PRINTS

REGISTERED, JULY 26, 1927.

10,083.—*Title:* THE RIGHT PAPER FOR THE PURPOSE. For Eagle-A Papers. AMERICAN WRITING PAPER CO. INC., Holyoke, Mass. Published June 16, 1927.

10,084.—*Title:* BAKER'S MOIST COCONUT. For Baker's Coconut. FRANKLIN BAKER CO., Hoboken, N. J. Published May 16, 1927.

10,085.—*Title:* YOU CAN THANK "JIM" DOLE FOR CANNED HAWAIIAN PINEAPPLE. For Hawaiian Pineapple. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Hawaii Territory, and San Francisco, Calif. Published May 14, 1927.

10,086.—*Title:* NEW—A MASTER SELLING IDEA—NEW—SET IT IN MOTION. For Gas Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published May 31, 1927.

10,087.—*Title:* TODAY ONLY. For Publications. THOMAS D. TAYLOR, Philadelphia, Pa. Published June 17, 1927.

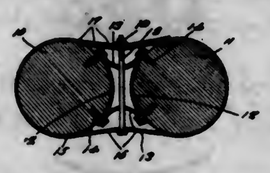
10,088.—*Title:* A LOAD FOR EVERY PURPOSE. A SHELL FOR EVERY PURSE. For U. S. Shot Shells. U. S. CARTRIDGE CO., New York, N. Y. Published May 25, 1927.

10,089.—*Title:* THE ORIGIN OF THE JIGGER BOO STICK. For Staybolt Iron. GEO. B. WEST, Belle Isle, Richmond, Va. Published June 10, 1927.

REISSUES

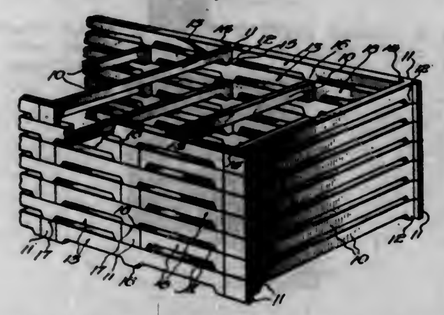
JULY 26, 1927.

16,688. CLAMP. HARRY R. LONGANECKER, Centerville, Iowa. Filed June 14, 1927. Serial No. 198,856. Original No. 1,615,092, dated Jan. 18, 1927, Serial No. 46,840, filed July 29, 1925. 1 Claim. (Cl. 20—99.)



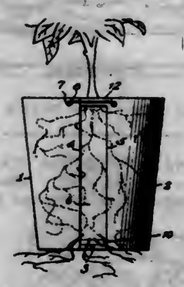
A clamp device for connecting two poles together, comprising a saddle member designed to be inserted between two pole members and to substantially conform to the contour of the adjacent sides of both pole members, a band for encircling both poles, and a bolt passed through both sides of the band and also passed through the saddle between the poles to thereby provide means whereby the band may be tightened and the saddle, band and both pole members held in their relative positions.

16,689. REENFORCED-CONCRETE CRIBBING. ROBERT H. FORD, CHARLES P. RICHARDSON, and ALEXANDER L. GREENABAUM, Chicago, Ill., and HENRY M. PRIEST, East Orange, N. J., assignors to Charles P. Richardson, trustee, Chicago, Ill. Filed Aug. 27, 1925. Serial No. 52,971. Original No. 1,312,689, dated Aug. 12, 1919, Serial No. 278,810, filed Feb. 24, 1919. 5 Claims. (Cl. 61—47.)



5. A concrete cribbing having longitudinally disposed stretchers and transversely arranged headers, the headers having extensions disposed laterally beyond two parallel sides of the headers and depending beyond the lower surfaces of the headers, while the stretchers are provided with kerfed ends of dimensions substantially similar to the dimensions of the depending portions of the extensions on the header end, whereby said kerfed ends of the stretchers are adapted to receive the lateral extensions of the headers and provide interlocking relation between the headers and stretchers.

16,690. TRANSPLANTING POT. JAMES M. EVERETT, Clearwater, Fla., assignor of one-half to Charles M. Hunt, Lake Wales, Fla. Filed May 27, 1927. Serial No. 194,829. Original No. 1,542,683, dated June 16, 1925, Serial No. 690,233, filed Feb. 2, 1924. 3 Claims. (Cl. 47—37.)



1. A transplanting pot including imperforate side wall sections, the adjacent vertical edges of which are spaced from each other to form root openings, a hinge connecting the sections at the bottom and means sealing the bottom of the pot.

2. A transplanting pot including imperforate side wall sections, the adjacent vertical edges of which are spaced from each other throughout the height of the pot, a hinge connecting the sections together at the bottom of the pot, and a false bottom in the bottom of the pot.

3. A transplanting pot including imperforate side wall sections, the adjacent vertical edges of which are spaced from each other throughout the height of the pot, a hinge connecting the sections together at the bottom, a false bottom in the bottom of the pot sealing the bottom of the pot, and fastening means at the top of the sections holding the sections together at the top.

DESIGNS

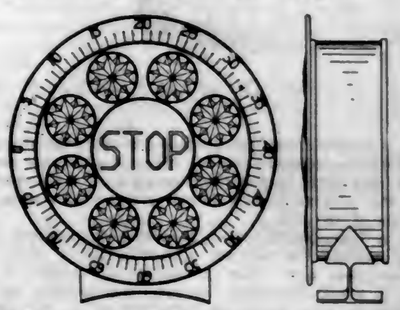
JULY 26, 1927.

73,119. SERVING TRAY. ABRAHAM BARCHOFF, New York, N. Y. Filed Jan. 27, 1927. Serial No. 20,520. Term of patent 14 years.



The ornamental design for a serving tray as shown.

73,120. COMBINATION SIGNAL CASING. RAYMOND L. BARTON, Los Angeles, Calif. Filed Mar. 23, 1927. Serial No. 21,286. Term of patent 3½ years.



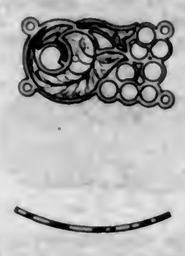
The ornamental design for a combination signal casing, substantially as shown.

73,121. BRIDGE-LAMP ARM OR A SIMILAR ARTICLE. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co., Inc., New York, N. Y., a Corporation of New York. Filed May 14, 1927. Serial No. 21,993. Term of patent 3½ years.



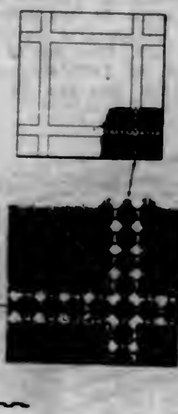
The ornamental design for a bridge lamp arm or a similar article, as shown.

73,122. BRACELET LINK. PERCY J. CALLOWHILL, Providence, R. I. Filed Mar. 28, 1927. Serial No. 21,367. Term of patent 7 years.



The ornamental design for a bracelet link, as shown.

73,123. PAPER NAPKIN. FRED A. CONRAD, Milwaukee, Wis., assignor to American Lace Paper Co., Milwaukee, Wis. Filed Jan. 24, 1927. Serial No. 20,483. Term of patent 14 years.



The ornamental design for a paper napkin as shown.

73,124. NOSE TILE. PETER CHRISTIAN CARL FRIDERICHSEN, Independence, Mo. Filed Mar. 24, 1927. Serial No. 21,309. Term of patent 14 years.



The ornamental design for a nose tile, as shown.

73,125. NOSE TILE. PETER CHRISTIAN CARL FRIDERICHSEN, Independence, Mo. Filed Mar. 24, 1927. Serial No. 21,310. Term of patent 14 years.



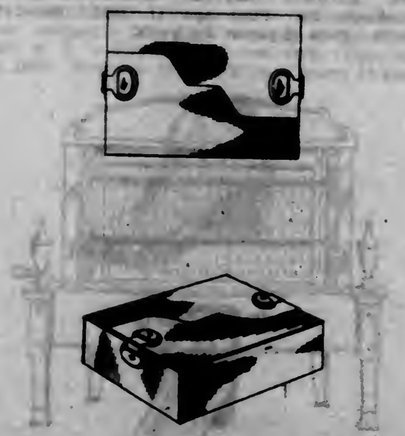
The ornamental design for a nose tile, as shown.

73,126. COMBINED LAMP AND SUPPORTING BRACKET. EDWARD M. GARBY, New York, N. Y. Filed May 6, 1927. Serial No. 21,874. Term of patent 14 years.



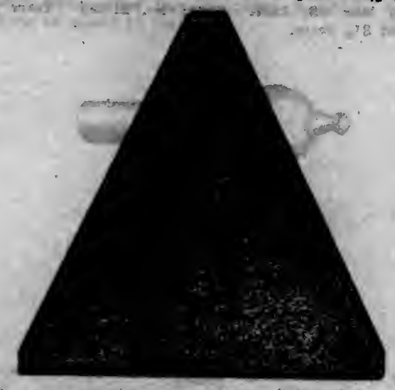
The ornamental design for a combined lamp and supporting bracket substantially as shown.

73,127. CARTON. HERMAN L. GREVE, Brooklyn, N. Y. Filed Sept. 7, 1926. Serial No. 18,993. Term of patent 14 years.



The ornamental design for a carton, as shown.

73,128. DISPLAY BOARD OR SIMILAR ARTICLE. SAMUEL H. HARRIS, Brooklyn, N. Y. Filed May 10, 1926. Serial No. 17,624. Term of patent 3½ years.



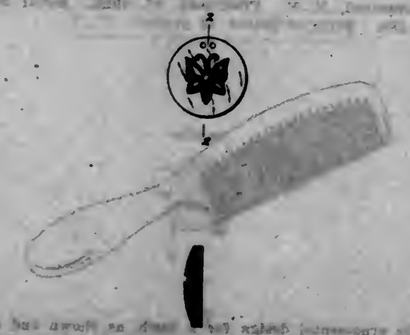
The ornamental design for a display board or similar article as shown.

73,129. BOTTLE. WILBERT A. HEYMAN, New York, N. Y., assignor to Heyman Process Corporation, New York, N. Y. Filed Apr. 8, 1927. Serial No. 21,507. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

73,130. BUTTON. WILLIAM W. HOBE, New York, N. Y. Filed Mar. 16, 1925. Serial No. 12,742. Term of patent 8½ years.



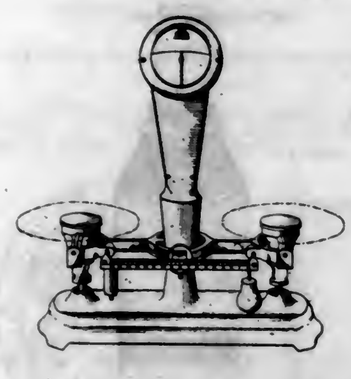
The ornamental design for a button as shown.

73,131. CURTAIN-POLE FIXTURE. WILLIAM FREDERICH HOFMANN, Brooklyn, N. Y., assignor to H. L. Judd Co., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1927. Serial No. 21,893. Term of patent 3½ years.



The ornamental design for a curtain pole fixture, as shown and described.

73,132. SCALE FRAME. AARON J. JACOBS and HARRY M. JACOBS, Brooklyn, N. Y. Filed May 22, 1926. Serial No. 17,817. Term of patent 14 years.



The ornamental design for a scale frame as shown.

73,133. COMB. GEORGE KOHLMEYER, College Point, N. Y., assignor to American Hard Rubber Company, Hempstead, N. Y. Filed Aug. 27, 1926. Serial No. 18,888. Term of patent 14 years.



The ornamental design for a comb, as shown and described.

73,134. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Apr. 11, 1927. Serial No. 21,532. Term of patent 3½ years.



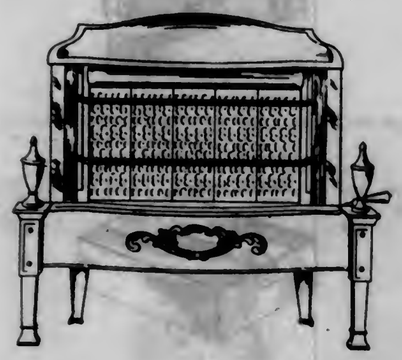
The ornamental design for a radiant heater, substantially as shown.

73,135. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Apr. 11, 1927. Serial No. 21,534. Term of patent 3½ years.



The ornamental design for a radiant heater, substantially as shown.

73,136. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Apr. 11, 1927. Serial No. 21,535. Term of patent 3½ years.



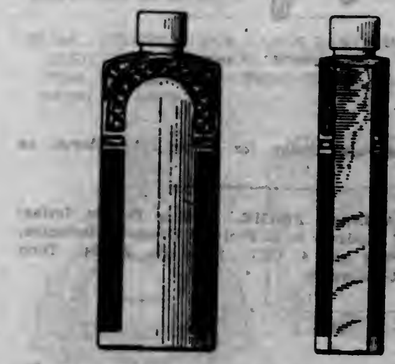
The ornamental design for a radiant heater, substantially as shown.

73,137. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Apr. 11, 1927. Serial No. 21,536. Term of patent 3½ years.



The ornamental design for a radiant heater, substantially as shown.

73,138. BOTTLE. JOSEPH S. LINDEMANN, New York, N. Y. Filed Dec. 1, 1926. Serial No. 19,892. Term of patent 7 years.



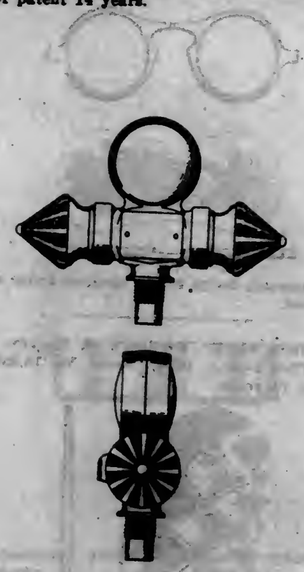
The ornamental design for bottle as shown.

73,139. OVERSHOE. FREDERICK H. MARTIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1926. Serial No. 17,058. Term of patent 14 years.



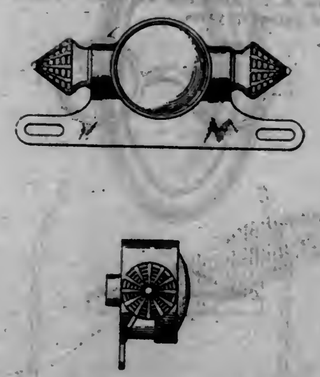
The ornamental design for an overshoe as shown.

73,140. COMBINED SIGNAL CASING AND RADIATOR CAP. PATRICK MCMANAMAN and JULIUS NAMET, Cleveland, Ohio. Filed Dec. 10, 1926. Serial No. 20,018. Term of patent 14 years.



The ornamental design for a combined signal casing and radiator cap, as shown.

73,141. COMBINED SIGNAL CASING AND TAG HOLDER. PATRICK MCMANAMAN and JULIUS NAMET, Cleveland, Ohio. Filed Dec. 10, 1926. Serial No. 20,019. Term of patent 14 years.



The ornamental design for a combined signal casing and tag holder, as shown.

73,142. EYEGLASS FRAME. GEORGE E. NEARNEY, Attleboro, Mass. Filed Mar. 23, 1927. Serial No. 21,287. Term of patent 14 years.



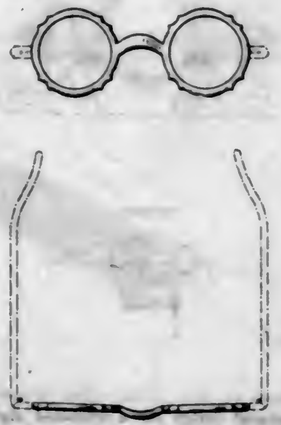
The ornamental design for an eyeglass frame as shown and described.

73,143. SHOE SOLE. LAURENCE M. OAKLEY, Trenton, N. J. Filed Feb. 1, 1926. Serial No. 16,358. Term of patent 14 years.



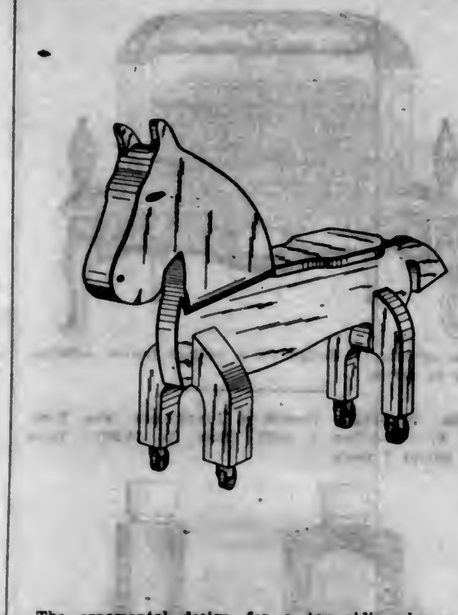
The ornamental design for a shoe sole as shown.

73,144. SPECTACLE FRAME. EMANUEL PAPPERT, Brooklyn, N. Y. Filed Dec. 24, 1926. Serial No. 20,145. Term of patent 7 years.



The ornamental design for a spectacle frame, as shown.

73,145. TOY RIDING HORSE. NEAL W. PLOOSTER, St. Paul, Minn. Filed May 23, 1927. Serial No. 22,188. Term of patent 14 years.



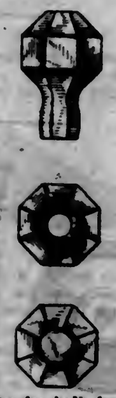
The ornamental design for a toy riding horse, as shown.

73,146. HAND-BAG FRAME. EDWARD POETER, Irvington, N. J., assignor to E. Poeter & Company, Irvington, N. J. Filed Apr. 4, 1927. Serial No. 21,454. Term of patent 3½ years.



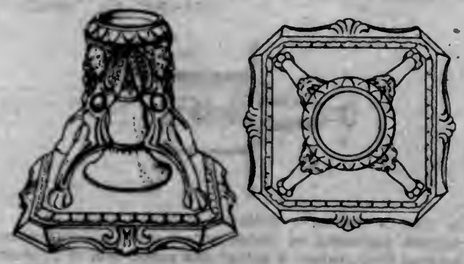
The ornamental design for a hand bag frame as shown.

73,147. BULB FOR HYDROMETER SYRINGES. WILLIAM A. REYNOLDS, Cleveland, Ohio, assignor to The Ohio Rubber Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 11, 1927. Serial No. 20,699. Term of patent 7 years.



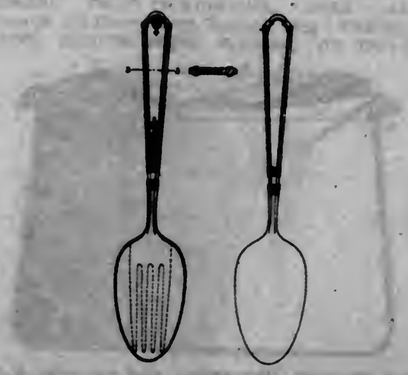
The ornamental design for bulb for hydrometer syringe substantially as shown.

73,148. PEDESTAL FOR TABLE LAMPS OR SIMILAR ARTICLE. ALEXANDER H. RIMMING, New York, N. Y. Filed Feb. 24, 1927. Serial No. 20,872. Term of patent 3½ years.



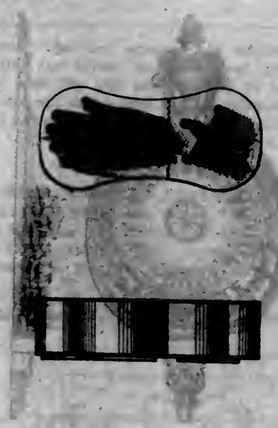
The ornamental design for a pedestal for table lamps or similar article, as shown.

73,149. SPOON OR SIMILAR ARTICLE. AXEL H. STAF, Providence, R. I., assignor to Gorham Mfg. Company, Providence, R. I. Filed June 18, 1926. Serial No. 18,080. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

73,150. VEHICLE SIGNAL-LIGHT CASING. AUGUST SWANSON, New Lexington, Ohio. Filed Dec. 28, 1925. Serial No. 15,880. Term of patent 7 years.



The ornamental design for a vehicle signal light casing, as shown.

73,151. BRACKET BACK FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 5, 1927. Serial No. 21,462. Term of patent 7 years.



The ornamental design for a bracket back for lighting fixtures, as shown.

73,152. BRACKET BACK FOR A WALL LIGHTING FIXTURE. GUSTAVE E. VILLAREY, Leonia, N. J., assignor to Owen Walsh Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1927. Serial No. 21,541. Term of patent 3½ years.



The ornamental design for a bracket back for a wall lighting fixture substantially as shown.

73,153. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Apr. 15, 1926. Serial No. 17,806. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

PATENTS

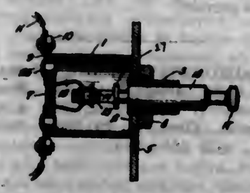
GRANTED JULY 26, 1927.

1,636,677. LAST. JAROSLAV BENDA, Prague, Czechoslovakia. Filed Oct. 11, 1924, Serial No. 743,140, and in Czechoslovakia Oct. 19, 1923. 2 Claims. (Cl. 12—133.)



1. A boot last having a bottom surface comprising a middle bottom portion which is substantially flat in cross-section, and a substantially flat margin extending entirely around the last except at the inside of the waist, the margin being upwardly inclined relative to said middle bottom portion at an angle of substantially 20°, the width of the margin being substantially one quarter of the widest portion of the bottom surface of the last, substantially as and for the purpose set forth.

1,636,678. PUSH AND PULL SWITCH. BERNHART A. BENSON, Chicago, Ill., assignor to Chicago Electric Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1925. Serial No. 16,398. 6 Claims. (Cl. 200—163.)



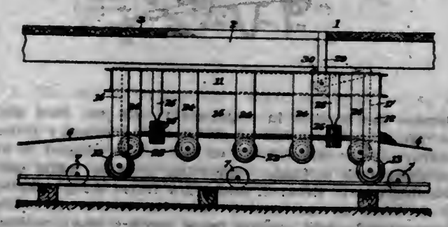
5. An electric switch including a casing, a pair of spring contact arms in the casing, an insulating member movable in said casing and having a contact, said member being loosely supported at one end by the arms, operating means for the member, and means to loosely connect the opposite end of the member to the operating means whereby to allow the member to move vertically and to rock so as to permit the contacts of the arms to make electrical contact with the contact of the member.

1,636,679. FRUIT-PICKING-PAIL COVER. ALBERT BURCH and RAY C. YOST, Medford, Oreg. Filed Sept. 8, 1925. Serial No. 55,034. 5 Claims. (Cl. 150—2.)



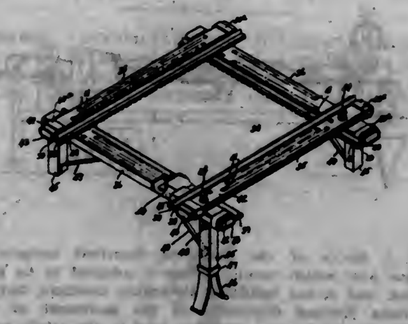
1. A cover for fruit picking pails comprising a web adapted to be detachably mounted across the top of a pail to check the fall of fruit, said web having a centrally disposed aperture arranged to admit said fruit into the pail; and elastic means secured upon the web to normally hold the web substantially in the plane of the top of the pail and adapted to be extended to permit said web to extend downwardly into the pail in inverted cone shape to deliver the fruit into the pail.

1,636,680. BELT-CONVEYER ARRANGEMENT. ESPEY TELLE CANNON, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 10, 1925. Serial No. 68,075. 9 Claims. (Cl. 198—56.)



1. In combination, a storage bin, a traveling belt beneath said bin, a plurality of supports for normally supporting said belt, a hopper between said bin and belt having means enabling it to travel parallel to said belt under said bin, and means carried by and underneath said hopper for supporting and guiding said belt free of its supports where said belt passes under said hopper.

1,636,681. EMBROIDERY FRAME. PETER CARBONE, Brooklyn, N. Y. Filed May 28, 1926. Serial No. 112,230. 2 Claims. (Cl. 45—24.)

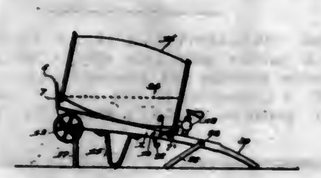


1. In an embroidery frame, a resilient jaw member, a lower leaf on the jaw member, teeth integral with the said leaf, an upper leaf member, a housing bent up on the upper leaf member forming a groove and a slidable sleeve on each end of the leaf members to maintain the jaw in closed position.

1,636,682. BARREL-EMPTYING HAND TRUCK. CLARENCE G. CARLSON, Spokane, Wash. Filed May 11, 1926. Serial No. 108,365. 3 Claims. (Cl. 280—54.)

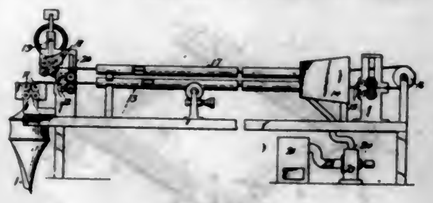
1. In a barrel emptying hand truck device, a truck frame having a shoe adapted to be projected into supporting relation beneath the barrel, said frame having handles at one end thereof, fulcrum wheels at that end

of said frame opposite the handle end thereof on which said frame and barrel is adapted to be tilted from a substantially vertical to a substantially horizontal inclined position, means on said frame engaging the upper end of said barrel to hold the latter against slipping toward the handle end of said frame, said frame having fulcrum legs coacting with said wheels to support said barrel in a substantially horizontal inclined position whereby a major portion of the contents of the barrel may be drained off, said legs being sufficiently close to said wheels to be disposed substantially mid-way between the ends of the barrel, whereby the frame may be tilted on said legs to



dispose the handles in engagement with the floor and elevate the wheeled end of said frame, a primary frame support at the wheeled end of said frame adapted to be unfolded into a frame supporting position while said wheeled end is elevated, said truck frame being adapted to be lifted by the operator from the handle end while fulcruming on said primary frame support, and a secondary frame support on the handle end of said frame adapted to be un-folded into a frame supporting position to support said frame and its barrel in an inclined position whereby the balance of the contents may be drained off.

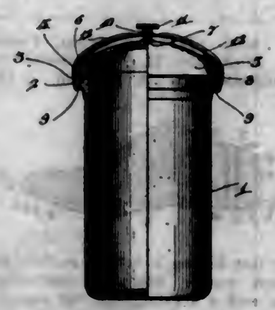
1,636,683. MACHINE FOR STRETCHING, DRYING, AND WINDING UP TUBULAR FABRIC. SAMUEL COHN, New York, N. Y. Filed June 17, 1924. Serial No. 720,547. 20 Claims. (Cl. 26—56.)



1. A device of the character described comprising means over which tubular fabric is adapted to be propelled, and means including stretching members, having surfaces directed diagonally of the movement of the fabric, for producing a diagonal lead in the fabric as it is propelled for the purpose set forth.

1,636,684. FRUIT JAR AND CLOSING MECHANISM. LEWIS O. CULVER, West Pittston, Pa., assignor, by direct and mesne assignments, to Culver-Bevan Fruit Jar Company, Wilkes-Barre, Pa. Filed Feb. 26, 1926. Serial No. 90,753. 2 Claims. (Cl. 215—88.)

1. A fruit jar, having an undercut annular shoulder adjacent its mouth and a flange of substantial height extending upwardly from the inner edge of the shoulder, in combination with a metallic clamping member having upwardly and inwardly extending end flanges adapted to engage the undercut shoulder and having reinforcing ribs formed in the body part, the ends of said body part adjacent said ribs being adapted to press against the cover of the jar, a threaded tubular aperture formed near the

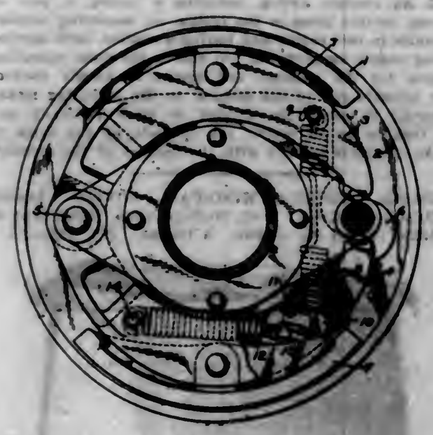


center of the clamping member, and a thumb screw mounted in the threaded aperture and adapted to engage the cover of the jar.

1,636,685. PRODUCTION OF CATALYST CARRIER. CHARLES RAYMOND DOWNS, Yonkers, N. Y. Filed Dec. 9, 1926. Serial No. 153,734. 3 Claims. (Cl. 23—283.)

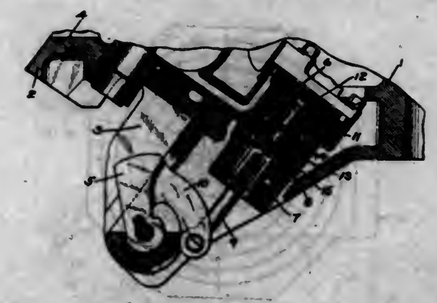
2. A catalyst carrier comprising particles of iron with an aluminum surface.

1,636,686. AUTOMOTIVE BRAKE. HOWARD B. ELLIOTT, Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1926. Serial No. 89,814. 3 Claims. (Cl. 188—78.)



1. In a vehicle brake, the combination with a brake drum and expansibe brake heads mounted within said drum, of a release spring having one end connected to one brake head and extending to the other brake head, a second release spring connected to said other brake head, and a bell crank lever connected to one end of each spring.

1,636,687. AUTOMATIC CAR COUPLER. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 18, 1924. Serial No. 726,736. 5 Claims. (Cl. 213—76.)



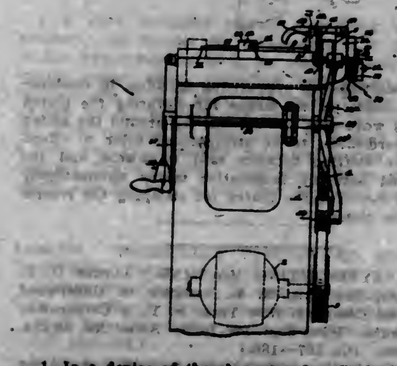
1. A car coupler comprising a coupler head, a locking latch pivoted to said head for engaging a surface on a counterpart coupler head to lock the coupler heads together, an operating stem operatively connected to said latch, and a piston head having a lost motion connection to said stem and operated by fluid under pressure for operating said stem.

1,636,688. COMPOSITION AND METHOD OF PREPARING ROACH TABLETS. PARLEY F. HARRIS, Washington, D. C. Filed Aug. 3, 1926. Serial No. 126,924. 8 Claims. (Cl. 167—6.)

1. A roach and waterbug exterminator comprising a composition of substances deadly to insects consisting of boric acid and sodium fluoride, combined with bait substances, the whole being compressed into small, flat discs, suitable for placing in cracks, crevices and other places frequented by such insects.

2. The method of preparing a deleterious food for insects which consists in mixing a cereal flour and a sweetening substance with boric acid and sodium fluoride, adding moisture to the mass during agitation, distributing the moistened mass into a thin layer, heating the substance into crystallization, reducing the crystallized combination to powdered form, and compressing the same into tablet form.

1,636,689. APPARATUS FOR WINDING SPRINGS. STEWART H. HARTSHORN, Short Hills, N. J., assignor to Stewart Hartshorn Company, East Newark, N. J., a Corporation of New Jersey. Filed June 6, 1925. Serial No. 35,268. 18 Claims. (Cl. 153—67.)



1. In a device of the character described, the combination with a supporting framework, a rotatable mandrel journalled therein and driving means for the mandrel, of a travelling carriage adapted to advance parallel to the mandrel upon the winding of a spring upon the latter, and means arranged eccentric to the mandrel and frictionally engaging a spring along its length while on the mandrel.

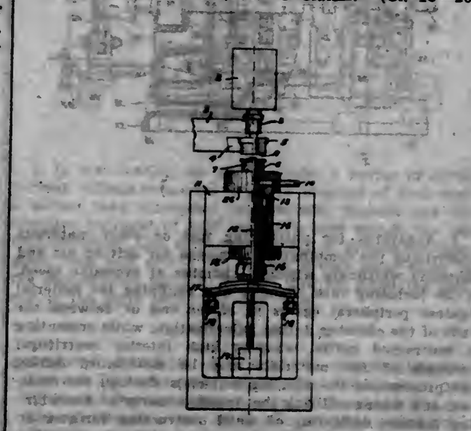
1,636,690. DRAFT-GEAR YOKE AND METHOD OF MAKING SAME. ARTHUR G. HAWKES and ELLIS W. TEST, Michigan City, Ind., assignors to The Pullman Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1922. Serial No. 535,794. 4 Claims. (Cl. 29—167.)



1. The method of making a draft gear yoke having a yoke head, top and bottom straps and an end loop from a single piece of stock which consists in stamping out a blank consisting of an intermediate strap portion with relatively wide and narrow heads, having complementary tongues and grooves in their outer edges, the wider head having oppositely directed lateral wings, punching slotted openings in said wings to provide key slots, folding over said wings to form the side walls of the yoke head, bending the intermediate strap portion upon itself to produce the loop of the yoke, to bring the smaller head of the blank into position upon the outer edges of the wings and to interlock said complementary tongues and grooves and welding the two ends of the strap together.

4. A draft gear yoke comprising a pair of forged steel side plates and a forged steel strap integral therewith, complementary tongues and grooves being formed in the upper edges of the side plates and in the side edges of the strap at its end opposite said side plates, the tongued and grooved parts being assembled and welded together.

1,636,689. APPARATUS FOR WINDING SPRINGS. RICHARD M. HRAMBS, Grosse Pointe Village, and BIRGE W. LINDQUIST, Detroit, Mich. Filed Sept. 20, 1923. Serial No. 663,783. 5 Claims. (Cl. 10—20.)



5. In combination, a stationary cutting die, a reciprocable ram for forcing a blank against said die under positive pressure to partially trim the blank, and a spring

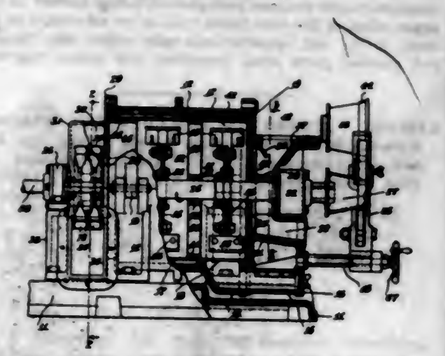
pressed plunger carried by said ram for subsequently forcing the blank against said die under resilient pressure acting in the same direction to further trim the blank.

1,636,692. FLEXIBLE COUPLING. HERMANN HILL, Fredonia, N. Y. Filed July 22, 1925. Serial No. 45,160. 26 Claims. (Cl. 64—96.)



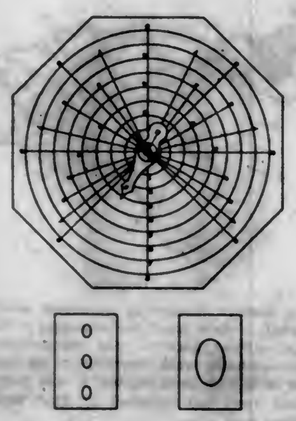
1. In a coupling, a driving member, a driven member, a first link element connected at one end to the driving member, a second link element connected at one end to the driven member, and resilient means associated with the free ends of the said elements, said link elements being bendable laterally to compensate for longitudinal play between the said members.

1,636,693. PULVERIZING MACHINE. PAUL ARTHUR HIRSCH, New York, N. Y., assignor to Furnace Engineering Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 20, 1924. Serial No. 751,119. 16 Claims. (Cl. 83—11.)



1. Apparatus for pulverizing fuel or other materials comprising the combination of means for driving air and material whirlingly within a chamber at excessive speed, walls enclosing such chamber and confining the material against peripheral egress at either end or between the ends of the chamber during pulverization, while presenting a contracted outlet, whereby high interior centrifugal pressure of the materials may be maintained during the progress of the whirling materials through the chamber, and means utilizing the dynamic energy of the whirling matters consisting of whirl obstructing surfaces arranged to cause the whirling matters to impact against such surfaces and to spread inwardly to said contracted outlet, whereby progressive advance and delivery of the material being pulverized may be maintained.

1,636,694. GAME. ROBERT JACOBS, Boston, and IRVING WILLIAM JACOBS, Brookline, Mass. Filed Feb. 19, 1927. Serial No. 169,511. 2 Claims. (Cl. 273—152.)



1. As a new article of manufacture, a card deck containing five sets of ten cards each on which there appear zeros, numbering from one to ten, and three cards on which single large zeros appear.

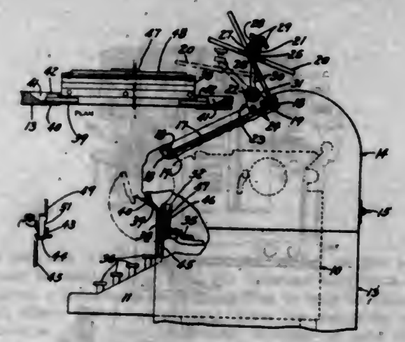
1,636,695. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 4, 1925. Serial No. 54,451. 18 Claims. (Cl. 197—128.)



1. In a multiple-web typewriting machine, in combination, a revoluble platen, means for elevating the platen that permit work-webs and carbons fed around the platen with a record-sheet, to be straightened prior to effecting relative shifting between said work-webs and the carbons, and normally inoperative means automatically released in elevating the platen for clamping the record-sheet to the platen.

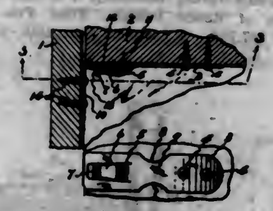
1,636,696. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 29, 1925. Serial No. 59,264. 13 Claims. (Cl. 197—186.)

1. The combination with a sound-deadening casing for a typewriting machine, the casing having a glass window to render visible the platen of said machine, of a support extending along the window, and a glare-prevention shield overlying only a portion of said window, the shield being movable on said support from one region



to another along said window, whereby glare-causing rays of light are prevented from striking the glass, while other rays of light are permitted to pass by said shield and through the glass to the interior of the casing.

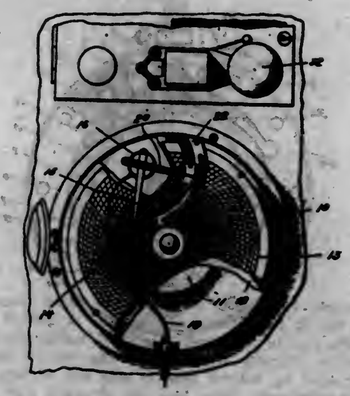
1,636,697. CLIP-DOOR CATCH. IVAR C. LARSON, East Providence, and GEORGE S. COOPER, Providence, R. I., assignors, by direct and mesne assignments, to Kisco Works, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Apr. 4, 1925. Serial No. 20,778. 2 Claims. (Cl. 292—76.)



1. A door retaining means, comprising cooperative members, one member for attachment to a door frame or the like consisting of a flat metallic body having a spring tongue struck therefrom and spaced from the external side of said body, said spring tongue having at its free end an upwardly and outwardly inclined portion, the other member for attachment to a door comprising a base and an outwardly projecting seeing having an enlarged free end portion receivable between said spring tongue and flat body of said first mentioned member.

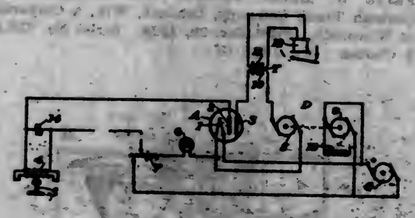
1,636,698. THERMALLY-CONTROLLED SIGNALING DEVICE. FREDERICK C. LEONARD and CHARLES W. RIESTAL, Providence, R. I., assignors to Leonard-Rooke Co., Providence, R. I., a Corporation of Rhode Island. Filed July 20, 1925. Serial No. 44,945. 7 Claims. (Cl. 200—56.)

1. In a signaling attachment for a recording device having a movable recording arm, a chart over which said arm operates, two pairs of spaced contacts, and contact means carried by said arm for engaging said pairs of contacts without appreciably affecting the operating movement of said arm for an indefinite range.



4. In a signaling attachment for an indicating device having a movable indicating arm, a pair of contact arms carried by said indicating arm, a contact positioned in the path of one of said arms to be engaged thereby and disengaged upon further movement of the arm, and a second contact insulated from the first and positioned to be engaged by the other of said contact arms upon the disengagement of the first contact with its contact arm.

1,636,699. AMPLIFYING APPARATUS. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 1, 1924. Serial No. 723,602. 8 Claims. (Cl. 179—171.)

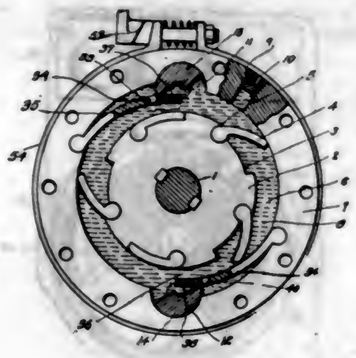


1. In combination, an electron tube, a source of direct current voltage connected with the filament of said tube, a ballast lamp interposed between said filament and the negative terminal of said source, a grid circuit for the tube including said ballast lamp, and a dynamotor energized from said source and having a turn ratio equal to the amplification constant of said tube for supplying voltage to the plate circuit of said tube.

1,636,700. HYDRAULIC CLUTCH TRANSMISSION. EDWARD H. MCKINNEY, Salina, Kans., assignor to The Hydraulic Specialty Manufacturing Company, Topeka, Kans., a Corporation. Filed Dec. 12, 1924. Serial No. 756,701. 1 Claim. (Cl. 192—58.)

A device of the character described, comprising a cylinder having a liquid space, an impeller in the cylinder in spaced relation with the walls thereof and movable

in the liquid space, inwardly swinging wings carried by the cylinder, and actuators for the wings comprising

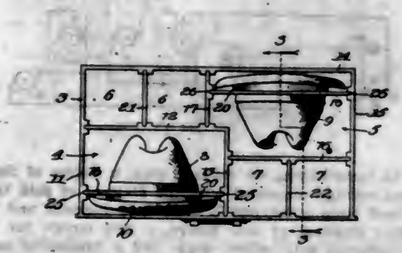


means for swinging said wings into any desired position comprising rotatable camming members having wing-receiving recesses therein.

1,636,701. PROCESS OF MANUFACTURING ACETIC ANHYDRIDE. RUDOLF MEINGAST and MARTIN MUDGAN, Munich, Germany, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Filed Feb. 21, 1925, Serial No. 10,953, and in Germany Feb. 25, 1924. 7 Claims. (Cl. 260—123.)

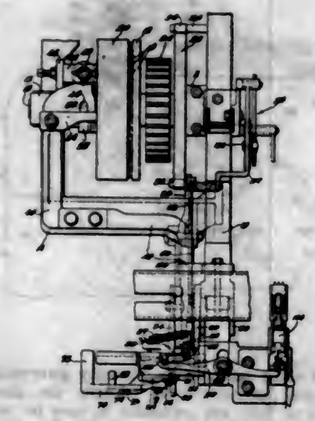
1. A process of manufacturing acetic anhydride which comprises passing acetic acid vapor in contact with an alkali metal phosphate heated to between 400° C. and 800° C.

1,636,702. COMBINED HAT AND SHOE DRAWER. FRANK W. MEYER, Oshkosh, Wis., assignor to The Oshkosh Trunk Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1924. Serial No. 758,492. 3 Claims. (Cl. 190—13.)



1. A single drawer or compartment for trunks divided by vertical partitions into two offset hat compartments, each of a width less than the width of the drawer and former in part by the associated walls thereof, the partition of one compartment extending into the other compartment at their contiguous corners so that each compartment may have a length greater than half the length of the drawer taken up by said compartments, and vertical hat carrying slides in said compartments with the slides extending the full length of their respective compartments.

1,636,703. CLUTCH MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed June 3, 1924. Serial No. 717,540. 9 Claims. (Cl. 192—17.)



1. A loom having, in combination, a frame, a crank shaft, a driving pulley, a friction clutch connecting the driving pulley to the shaft, a clutch lever, a toggle mechanism for operating the clutch lever to close the clutch and lock and hold it closed.

1,636,704. MECHANICALLY-OPERATED LEAD PENCIL. CHARLES H. PATTEN, Providence, R. I., assignor to Rex Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 12, 1927. Serial No. 167,740. 4 Claims. (Cl. 120—17.)



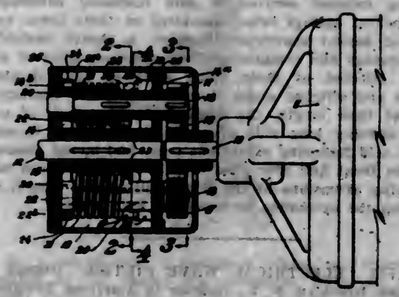
1. A mechanical lead pencil including a barrel portion, a lead guide tube mounted therein for reciprocating movement relative thereto, pivotally mounted jaws extending through the walls of said tube, and means for causing said jaws to grip and release a lead in said tube at opposite ends of a reciprocating stroke of said tube relative to said barrel.

1,636,705. SICK BED WITH MEANS FOR EASING NATURE. VINCENS FREITENTHALER, Betzdorf, Sieg, Germany, assignor to Mrs. Else Halbe. Filed Oct. 1, 1925, Serial No. 59,875, and in Germany Feb. 7, 1925. 1 Claim. (Cl. 5—90.)



A sick-bed with arrangement for easing nature comprising in combination with the bedstead and with the mattress a transverse shaft journalled in said bedstead, a hand wheel and a worm gear drive for revolving said transverse shaft, two cross bars, bearings on said cross bars, two longitudinal shafts mounted in said bearings, means for transmitting the revolving movement of said transverse shaft to said longitudinal shafts, a cut out portion of the mattress, means for connecting said cut out portion of the mattress with one of said longitudinal shafts so that when said shaft revolves in one sense said cut out portion of the mattress is removed from said mattress, a bed-pan, a frame on which said bed-pan is suspended in equilibrium, and a lever system connecting said frame with the other longitudinal shaft, so that when said hand wheel is rotated in anticlockwise direction said cut out portion of the mattress is removed and said bed-pan is inserted into the corresponding opening of the mattress and that when said hand wheel is rotated in clockwise direction said bed-pan is removed from the opening of the mattress and said cut out portion of the mattress is re-inserted into said opening of the mattress.

1,636,706. COUPLING. LOUIS REISFELD, Chicago, Ill. Filed Apr. 9, 1924. Serial No. 705,185. 15 Claims. (Cl. 64—96.)



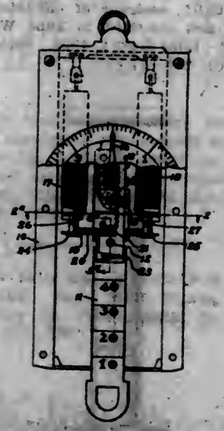
1. The combination in a coupling for connecting aligning shafts, of mechanism carried entirely by said shafts and controlled entirely by the rotation of said shafts for transmitting motion from one shaft to the other, said mechanism comprising intermeshing relatively movable gear members and the connected parts adapted to compensate for inaccuracies in the alignment of said shafts and to permit relative angular movement of said shafts for storing energy when one of said shafts is started in operation.

1,636,707. ELECTRIC-CIRCUIT TESTER. WILLIAM P. ROBINSON and FRANKLYN P. ROBINSON, Kansas City, Mo. Filed Mar. 3, 1924. Serial No. 696,651. 1 Claim. (Cl. 175—183.)



A circuit tester comprising a broad flat supporting member having at one end two arms and at its other end a longitudinal handle, and having at one side between the handle and said arms a laterally extending bracket and at one side of said bracket an imperforate portion, two contacts on said arms respectively, two lamp sockets mounted one on said supporting member and adapted to receive a fuse, the other socket being mounted on the side of the bracket next to said imperforate portion and facing longitudinally with respect to said supporting member and adapted to hold a lamp bulb at one side of and wholly between and parallel with the longitudinal edges of said supporting member, and adapted to be covered by said imperforate portion, and conductive means connecting said sockets and said contacts.

1,636,708. SPRING SCALE. JOHN W. ROCKEFELLER, Jr., New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Apr. 29, 1926. Serial No. 105,384. 13 Claims. (Cl. 265—69.)



1. A scale comprising a coil spring, a casing to which said spring is attached, a runner to which said spring is attached at the opposite end, an indicator responsive to the elongation of the spring under load, a flat spring connected at a free end to said coil spring, temperature responsive means for automatically varying the resiliency of said flat spring by varying its effective thickness.

1,636,709. METHOD OF PROVIDING CAKES OF SOAP WITH ADVERTISING MATTER. CAMILLA SCHMIDT, Berlin-Lichterfelde, Germany. Filed May 1, 1925. Serial No. 27,145, and in Germany June 13, 1924. 2 Claims. (Cl. 87—23.)



1. The method of providing cakes of soap with advertising devices which consists in forming an internal open-ended slot in said cake of soap, inserting at least one end of a flexible ribbon into said slot and compressing the soap to bring the opposite walls of said slot into contact with each other and into clamping engagement with the inserted end of said ribbon.

1,636,710. MANUFACTURE OF ALKALINE POTASSIUM COMPOUNDS. WILHELM SIEGEL, Berlin-Charlottenburg, Germany. Filed Oct. 21, 1925, Serial No. 63,918, and in Germany July 12, 1924. 12 Claims. (Cl. 23—185.)

1. The process of producing potassium compounds from silico-potassium-fluoride, which consists in treating the same with alkaline potassium compounds, thereby producing silica and potassium-fluoride and treating the fluoride with alkaline compounds of the alkali-earth metals.

1,636,711. TANK PUMP. RUSSELL CHARLES NICOLL, Wilmington, Calif., assignor of one-third to H. Stanley Benedict and one-third to June W. Hadley, Los Angeles, Calif. Filed Sept. 5, 1923. Serial No. 661,015. 3 Claims. (Cl. 221—77.)



1. An appliance of the character described, comprising a pump; a liquid container; a fitting connecting the pump and the liquid container, and formed with a bore for admitting air under pressure from the pump to the interior of the container above the level of the liquid therein, and also formed with a liquid outlet passage; an outlet pipe threaded into one end of said passage and extending into the container to deliver liquid under pressure therefrom, said fitting further provided with a horizontally extending lateral passage communicating with said bore; a valve seat formed at the intersection of the lateral passage and bore; a ball valve for said seat; a spring disposed in said passage for normally holding said valve upon said seat, and a stop cock in said lateral passage adapted for actuation to relieve the pressure in said container through said bore and passage.

1,636,712. SUSPENDER ATTACHMENT. ELMER E. PECK, Neosho, Mo. Filed Sept. 24, 1925. Serial No. 58,225. 6 Claims. (Cl. 241—19.)



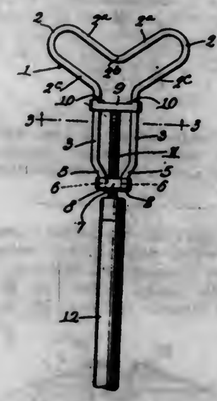
1. In a device of the class described, the combination of two shoulder straps, an inverted V-shaped wire connecting member, said shoulder straps being looped about the sloping side portions of said wire connecting member, eyes formed in the outer ends of said wire connecting member, helical springs having their upper ends hooked into said eyes and extending downwardly therefrom in substantially parallel relation, a pair of fastening extensions for fastening to a garment, a second connecting member secured to said fastening extensions, said helical springs being connected at their lower ends to said second connecting member, a sheath enclosing said springs and comprising front and rear plies of material stitched at their upper ends to said shoulder straps and stitched along their lateral edges through a part of their length, the unstitched lower ends of said plies defining long side openings therebetween through which said fastening extensions pass, and means connecting the front and rear plies of said sheath between said fastening extensions at the lower end of said sheath for limiting the extensible movement of said springs.

1,636,713. ELECTRICAL WAVE FILTER. GEORGE C. RZIEB, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 8, 1921. Serial No. 499,190. 6 Claims. (Cl. 178—44.)



1. A wave filter of the type having recurrent sections, said sections being of at least two different kinds such that a wave filter made up entirely of one kind of these sections will have a different attenuation frequency characteristic as compared with a wave filter made up entirely of another kind of the sections, but will have its critical frequencies the same and its impedance frequency characteristic the same as a wave filter made up entirely of the other kind of the sections.

1,636,714. MOP HANDLE. JOSEPH S. ROUX, Manchester, N. H. Filed Feb. 14, 1927. Serial No. 168,072. 3 Claims. (Cl. 15—153.)



1. In a device of the class described, a triangular looped head the outer side of which defines an inwardly projecting angle, the inner sides of the head merging into parallel side arms, a presser bar slidable on the arms toward and away from said angle, and cooperating with said angle to form a swab-grip, a screw threaded into a portion of the head and engaging the bar to advance the bar toward said angle, and a handle whereon the screw is fixed.

1,636,715. STYLUS MOUNTING FOR SOUND BOXES. CARL SCRABIC, Urbana, Ohio. Filed Mar. 28, 1921. Serial No. 456,048. 2 Claims. (Cl. 274—35.)



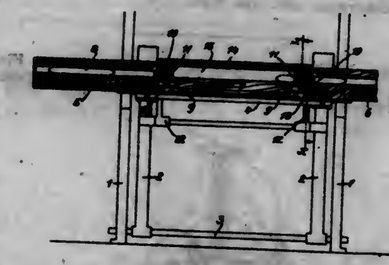
1. In a sound box, a casing, a stylus bar pivotally connected to the casing for movement about an axis disposed perpendicularly to the major and longitudinal axis of the stylus bar, said stylus bar being formed with a horizontally disposed projection extending from the stylus contiguous to its pivotal mounting and facing toward said casing, a substantially U shaped leaf spring having the opposite arm portions thereof arranged to engage respectively said casing and said projection, and a tensioning element passing through the intermediate portion of said spring and connecting the latter with said casing, one end of said spring engaging the under surface of said projection in order to produce a force tending to swing the upper end of the stylus bar in a direction away from said casing.

1,636,716. COMBINATION RECORDER AND REPRODUCER OF SOUND. CARL SCRABIC, Urbana, Ohio. Filed July 3, 1924. Serial No. 723,904. 3 Claims. (Cl. 179—100.1.)
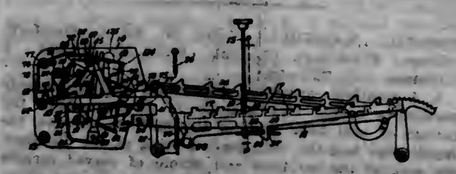


1. A reproducing unit comprising a casing including a sound chamber, a diaphragm seated within said chamber, a stylus pivoted to said casing and having one end thereof engaged with said diaphragm, an armature connected with said stylus on the opposite side of the pivotal connection therewith as regards said diaphragm, a stationary magnet carried by said casing terminating in a pole section arranged adjacent to said armature, and a coil surrounding said pole section and excited by response to received radio current pulsations.

1,636,717. LAY STRUCTURE FOR POWER LOOMS. CASPAR SENN, Ruti, Switzerland, assignor to Maschinenfabrik Rüti, formerly Caspar Honegger, Ruti, Switzerland. Filed Aug. 12, 1925, Serial No. 49,819, and in Switzerland Aug. 23, 1924. 3 Claims. (Cl. 139—188.)



1. In a power loom, an oscillating shaft, a shuttle race, a rail, a supporting arm secured to each end of said rail and to the oscillating shaft, an angle bar secured to said rail, said bar being provided with vertical slots, and means adjustable in said slots for securing said shuttle race to said bar.

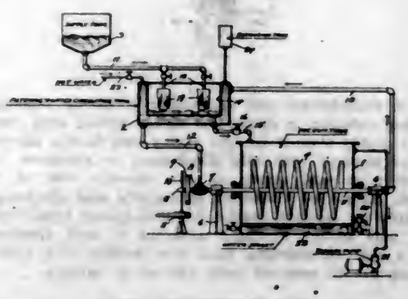
1,636,718. CONTROL MECHANISM FOR CALCULATING MACHINES. JOHN H. F. SILVER, Philadelphia, Pa. Filed May 27, 1925. Serial No. 33,192. 28 Claims. (Cl. 235—130.)



1. In a keyboard calculating machine, a plurality of rows of keys, locking means common to each of the keys for all rows and arranged with respect to the keys

so that the partial depression of any one of said keys will lock all the keys in the remaining rows upon release of pressure from said partially depressed key and means associated with said keys whereby the completion of downward pressure upon the partially depressed key will unlock all the locked keys.

1,636,719. PROCESS FOR REFINING BEE HONEY. WALTER W. SOMESFORD, Rosslyn, Va. Filed Aug. 24, 1922. Serial No. 584,027. 2 Claims. (Cl. 99—5.)



1. A process for refining bee honey consisting of first mixing the natural honey with a filtering substance and water and then running the mass through filter bags in the presence of heat, after which the filtered mass is introduced into a vacuum tank and stirred by a heated agitator until the mass attains a predetermined consistency at which time the vacuum is relieved and the honey withdrawn from the tank.

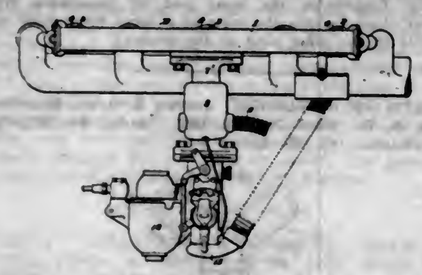
1,636,720. GARTER. JAMES R. STARBUCK, Tampa, Fla. Filed May 3, 1926. Serial No. 106,527. 1 Claim. (Cl. 241—5.)



A garter of the character described comprising an open band formed from a single piece of resilient material and including spaced coils, means for connecting the adjacent ends of the garter together, and each coil being curved to provide one side of the garter with a concaved surface.

1,636,721. MANIFOLD. JOHN W. SWAN, Stamford, Conn. Filed Sept. 17, 1921. Serial No. 501,314. 8 Claims. (Cl. 123—52.)

1. A manifold comprising a horizontally disposed body portion, a supply pipe adapted to discharge into the bottom of said body portion, the juncture between the supply pipe and the body portion being at the distributing zone of the manifold and devoid of curved corners in the lines of travel of the fuel in the various directions, outlet branches offset from the body portion of the manifold adapted to lead to cylinders, the junctures between the branches and the body portion at the inner side of any turn being devoid of any curvature in the line of travel of the fuel, and the wall of the body of the manifold opposite the supply inlet thereinto being



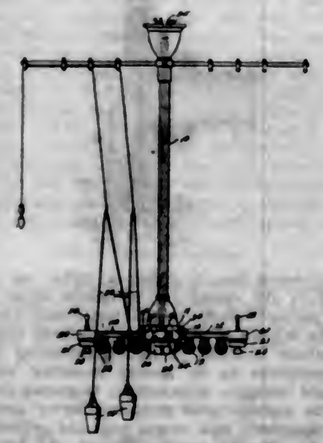
coincident with continuations of said wall which constitute the upper wall of adjacent oppositely extending leads of the body portion from the distributing zone.

1,636,722. SKIVING MACHINE. CHARLES EDWIN THIBAUDEAU, Ivry-sur-Seine, France, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 5, 1925. Serial No. 48,384. 9 Claims. (Cl. 164—70.)



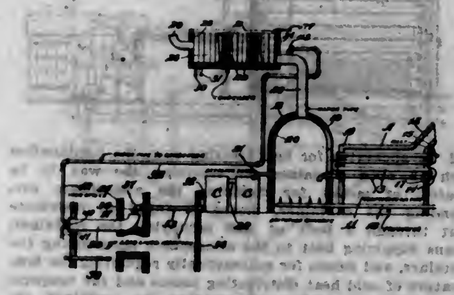
1. A device of the class described having, in combination, a hub adapted to be fastened to a shaft and having a machined surface facing outwardly from the end of the shaft to serve as a seat, a rigid, dished knife having a machined surface to fit the seat, and a rigid clamping member adjustable on the hub and shaped to bear at separated localities on the knife.

1,636,723. CHANDELIER. ERNEST UNGER, New York, N. Y. Filed Oct. 28, 1924. Serial No. 746,264. 19 Claims. (Cl. 132—36.)



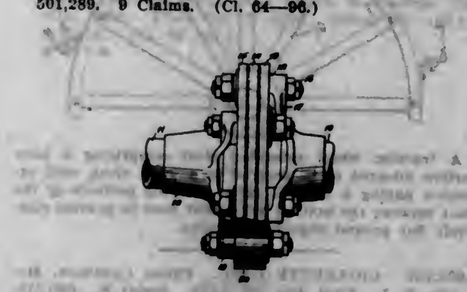
1. A chandelier for supporting a plurality of electric heaters in operative position relative to a person's head in the process of waving the hair on the head, including a depending support, a plurality of horizontally disposed hollow arms extending radially from the lower part of said support; a plurality of replaceable units secured in spaced relation to each of said hollow arms and positioned exteriorly of and below the same, each of said units provided with means constituting sockets for receiving electric attachments from the heaters and electric leads extending down through said support, and through said hollow arms into said units.

1,636,724. METHOD OF CONCENTRATING SLUDGE ACIDS. ARTHUR A. VINEYARD, Wood River, Ill. Original application filed Sept. 9, 1925, Serial No. 55,324. Divided and this application filed Nov. 27, 1925. Serial No. 71,703. 3 Claims. (Cl. 23—169.)



1. A method of concentrating sludge acid containing organic matter consisting in preheating the acid, carrying it into an agitating tank, maintaining the temperature of the acid therein and agitating the acid to break up organic matter, carrying the liquid to a settling tank to thereby separate the organic matter from the acid, conducting the acid free from organic matter to a heater and while still hot concentrating the acid.

1,636,725. FLEXIBLE DRIVING COUPLING. HIRAM L. WALKER, Cleveland, Ohio, assignor to Chandler Cleveland Motors Corporation, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 17, 1921. Serial No. 501,289. 9 Claims. (Cl. 64—26.)



1. In a flexible shaft, the combination of a flexible driving member and a flexible driven member having opposing faces normally disposed in parallelism and adapted to be moved relative to each other, a bolt connecting the members and passing through said faces, a washer having an aperture through which the bolt is passed, said washer positioned between and engaged on opposite sides by said faces, said washer normally having a less thickness at the aperture than at a point remote from the aperture and progressively converging in cross-section from said remote point towards the aperture whereby the bolt in drawing the members together will cause the faces to press on the washer and crowd the flexible material of the driving and driven members towards the bolt and thus tend to eliminate clearance.

1,636,726. HARNESS FRAME. EMIL WEIBEL, Montreal, Quebec, Canada. Filed Apr. 24, 1926. Serial No. 104,379. 2 Claims. (Cl. 139—92.)



1. A heddle frame comprising, in combination, with upper and lower structures each including a horizontally elongated heddle-supporting element and said upper and lower structures also including abutments close to and respectively above and below such elements thereof, links each having its ends formed with return portions and thus hook-shaped, the hooks of each link respectively receiving said elements and each return portion thereof having a length exceeding the distance between the corresponding element and abutment.

1,636,727. INFUSER. ELIAS WILLNER, New York, N. Y. Filed Aug. 6, 1926. Serial No. 127,550. 5 Claims. (Cl. 53—8.)

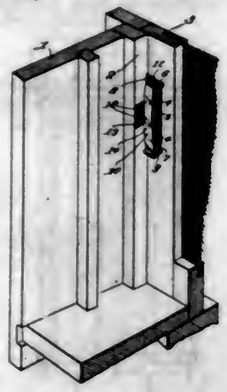


1. A pot cover comprising a convex circular lower plate provided with an inreaching annulus to seat upon a pot, a convex plate engaged at its edge with the first named plate to extend spacedly thereover, a plunger movable through said plates, said plunger having a non-conducting knob, a spring in said plunger to retain it normally raised, and a perforate cup removably engaged with said plunger below said plates.

1,636,728. SCREEN FASTENER. ISAIAH W. WOLF, Mobile, Ala. Filed Jan. 13, 1926. Serial No. 81,032. 8 Claims. (Cl. 292—210.)

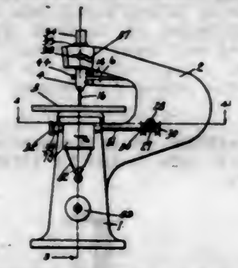
1. The combination with a window casing and a frame that is designed to be removably sustained on the casing, said means comprising a plate fixed on the inner stile

of the frame, a second plate hingedly secured to the first mentioned plate, an angle bracket fixed on the side of the casing against which the last mentioned plate



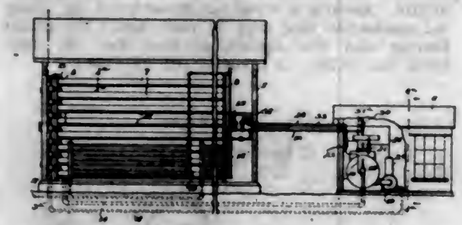
is designed to be swung and to contact therewith, and means for latching the free end of the last mentioned plate to the first mentioned plate.

1,636,729. FILING MACHINE OR JIG SAW. BENSON A. YARRINGTON, Grand Rapids, Mich. Filed Apr. 2, 1926. Serial No. 99,409. 15 Claims. (Cl. 29—76.)



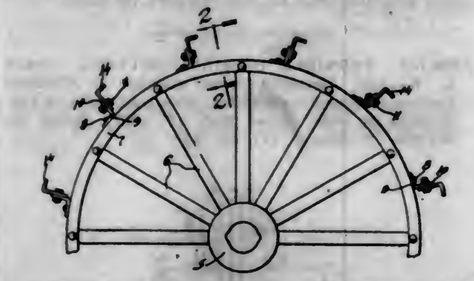
1. In a structure of the class described, the combination with a suitable base and rigid supporting frame arm, of upper and lower clamps, parallel arms extending from the said clamps and connected at their rear ends by a cross-shaped connecting arm, a vertical upwardly projecting arm parallel to the cross-shaped connecting arm with a parallel link connecting the upper end thereof to the said upper clamp, a horizontal link slotted at its forward end disposed parallel to the cross arm of the said connecting arm and pivoted at its rear end to the said frame arm, upwardly extending parallel links connecting the cross portion of the said cross arm to the said horizontal link, an adjusting disk with a wrist pin engaging the said slot supported on a suitable shaft stub in the said frame arm, a worm gear on the said shaft, a worm for adjusting the same with an axially disposed rod extending to the front of the said machine, a vertical guiding recess in the upper end of the said frame arm, a guiding slideway adjustable therein, a slide bar for the said upper clamp playing freely in the said adjustable slideway, a spring holding said slide bar yieldingly towards the front of the machine, a downwardly depending shank from the said lower clamp, a driving disk with a peripheral cam and adjustable wrist pin, a pitman connecting the said wrist pin to the said shank, a slide connected to the said shank, a yieldingly adjustable slideway, a support for the said slideway adjustably connected to the interior of said machine, springs for holding the said slideway yieldingly towards the front of the machine, a pair of cam levers disposed on the front of said support, a lever with a cam roller to cooperate with the peripheral cam of said disk, and connections from said lever to the cam levers whereby the slideway is moved to the rear on the upstroke, coacting as specified.

1,636,730. APPARATUS FOR REGULATING WAX-SWEATING SYSTEMS. SAMUEL S. ANDURSKY, Rochester, N. Y., assignor to The Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Oct. 9, 1923. Serial No. 667,499. 3 Claims. (Cl. 196—20.)



2. In apparatus for heat-treating wax, the combination with an open container for receiving the wax to be treated, of means for confining the atmosphere surrounding the container, means arranged to distribute heat through a body of wax occupying the container, means supplying heat to the atmosphere surrounding the container, and means for automatically regulating the temperature of said heat distributing means and the temperature of the atmosphere surrounding the container, operative to increase the temperature of the heat distributing means at a greater rate than the temperature of the surrounding atmosphere.

1,636,731. TRACTION-WHEEL CLEAT. WILLIAM C. ANDERSON, Bark River, Mich. Filed Sept. 25, 1926. Serial No. 137,756. 1 Claim. (Cl. 301—44.)



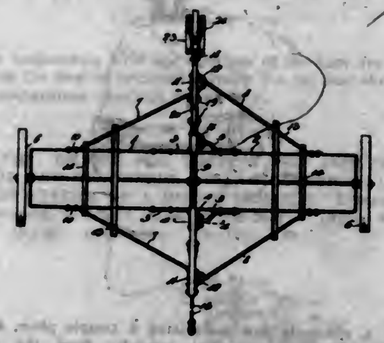
A traction wheel extension cleat comprising a body portion adapted to be secured to a main cleat, said extension having a notched outer end, the portions of the cleat between the notches being bent over to provide relatively flat ground engaging portions.

1,636,732. CIGARETTE CASE. PEDRO CABANGIS, Manila, P. I. Filed Aug. 27, 1923. Serial No. 659,619. 3 Claims. (Cl. 206—41.)



1. In a cigarette case adapted to receive a full package of cigarettes, a rigid main body portion being open at one side and of greater length than the package, a major cover portion of less length than the package for partially closing the open side of the main body portion, a minor cover portion forming a closure for the remainder of the open side of the main body portion, and securing means for retaining the cover portions in closing relation at the open side of the rigid main body portion.

1,636,733. TRACTOR ATTACHMENT. EDGAR GARDNER CALKINS, Morland, Kans. Filed Mar. 6, 1926. Serial No. 92,855. 1 Claim. (Cl. 97—235.)



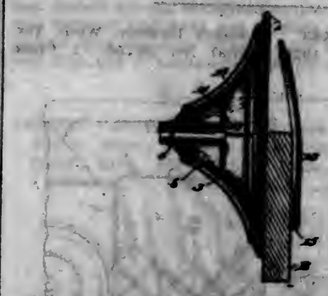
A device of the class described comprising a central beam, a substantially rectangular frame rigidly fastened to the central portion of the beam on one side, a second duplicate frame hingedly connected to the other side of the beam the ends of said frames resting upon and being supported by said beam, a guide wheel equipped trailer carried by the rear end of the beam, main supporting wheels for the outer ends of said frames, and a tractor hitching device associated with the forward end of the beam.

1,636,734. POWDER CHARGER. ALVA W. CALLIS, Baxter Springs, Kans., and FRANK E. SMOOTS, Zincville, Okla. Filed Oct. 2, 1926. Serial No. 139,110. 1 Claim. (Cl. 86—21.)



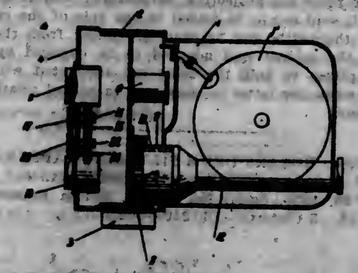
A device of the class described comprising a cylinder, a pair of rods fastened to one end of the cylinder, a cross piece connecting the outer ends of the rods together and forming a handle, a tamper member of tubular shape extending into the cylinder and having longitudinal grooves therein for receiving the rods and a latch on the outer end of the said member for engaging the cross piece.

1,636,735. PORTABLE LAMP BASE. ANDREW J. CARMICHAEL, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Apr. 17, 1923. Serial No. 632,740. 5 Claims. (Cl. 240—53.)



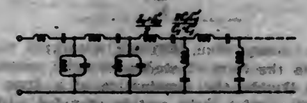
1. A lamp base comprising an outer sheet metal member, an inner shell of heavier metal than the first-named member but shaped to conform substantially to the latter, a stem extending centrally through said members, and a washer separate from, but bearing at its periphery against the interior of said shell, said stem extending through said washer and having its end secured thereto.

1,636,736. FOCUSING DEVICE FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC VIEW-TAKING APPARATUS. ANDRÉ LÉON VICTOR CLEMENT DEBRIE, Paris, France. Filed Apr. 12, 1926, Serial No. 101,512, and in France Apr. 25, 1925. 6 Claims. (Cl. 95—44.)



1. A focusing device for cinematographic and photographic view taking apparatus comprising a supporting collar, a plate secured to same, object-glasses secured to said plate, a view taking device adapted to rotate around its axis in said collar and provided with a view taking aperture, a rough glass secured to the said device and parallel to the plane of the said aperture, the said aperture and rough glass being disposed at the same distance from the axis of the device as the object glasses.

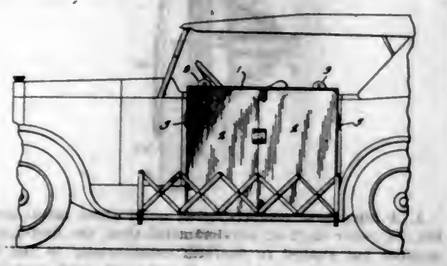
1,636,737. ELECTRICAL WAVE FILTER. EGINHARD DIETZE, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 8, 1921. Serial No. 499,191. 6 Claims. (Cl. 178—44.)



1. A band filter having sections of different type, the sections of one type being such that a complete filter of sections of that type will have a different attenuation

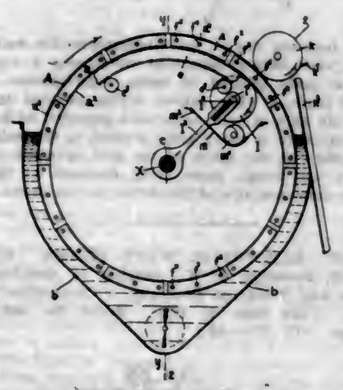
frequency characteristic but the same cut-off frequencies as a filter whose sections are all of another type involved, whereby the composite filter combines the advantages of the different attenuation frequency characteristics.

1,636,738. CABINET. MARGARET DUMONT, Waco, Tex. Filed Apr. 18, 1925. Serial No. 24,250. 1 Claim (Cl. 190—12.)



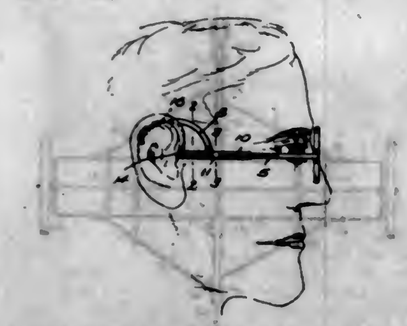
A camper's outfit comprising in combination a cabinet, doors closing the front of the cabinet, spaced hook-like elements arranged vertically on the rear wall of the cabinet and having their corresponding upper ends projecting above the cabinet and provided with openings whereby the cabinet can be suspended from an elevated support, a table top including foldable supporting legs, slotted plates secured to the under side of the table top and projecting beyond one end thereof to receive said hooks when the cabinet is supported upon the ground with the table top projecting horizontally therefrom, and to permit said top to be folded at one side of the cabinet parallel therewith, and brackets depending from the bottom of the cabinet and adapted to be engaged by said slotted plates to hold the table top associated with the cabinet when the latter is supported in spaced relation to the ground.

1,636,739. ROTARY-DRUM-FILTERING APPARATUS. LEON HERTENBEIN, Levallois-Perret, France. Filed June 29, 1925, Serial No. 40,429, and in France July 2, 1924. 5 Claims. (Cl. 210—202.)



1. In a rotary drum filtering apparatus for the extraction, in the form of sludge, of solid substances suspended in liquids, the combination of a drum having a cylinder of annular cross section provided with a filtering surface upon its external and internal faces, suction means to cause the solid matter suspended in the liquid to adhere in the form of sludge to both filtering surfaces over the major part of the circumference of the drum, pressure means, acting on the emerged area of the drum upon the solid matter adhering to the filtering surfaces and arranged to detach such matter therefrom, two rollers arranged parallel to and facing one another, one on the exterior and the other in the interior of the drum, in contact with the external and internal filtering surfaces of the drum and arranged to remove the sludge therefrom.

1,636,740. SPECTACLES. DENNIS E. HICKEY, Chicago, Ill. Filed Feb. 16, 1926. Serial No. 88,454. 5 Claims. (Cl. 88—52.)



1. A spectacle bow comprising a temple piece, an ear abutting portion extending laterally from the temple piece and adapted to engage the forward portion of the ear, and an ear embracing piece movably carried by said ear abutting portion whereby it may be actuated to embrace the rear portion of the ear.

1,636,741. WIRE-TYING TOOL. FERDINAND WALTER HUEMPFNER, Chicago, Ill., assignor of one-half to Mid-States Gummed Paper Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1923. Serial No. 643,125. 1 Claim. (Cl. 140—117.)



A wire loop tying-tool comprising a handle having a goose neck shank formed at one end thereof, and having wire loop engaging members provided with rounded ends extending in alinement on opposite sides of the end of said shank and substantially perpendicular thereto.

1,636,742. OIL CUP. HARRY L. HUNT, Bigelow, Mo. Filed Feb. 10, 1926. Serial No. 87,885. 1 Claim. (Cl. 184—60.)

An oil cup comprising an oil retaining receptacle, an outlet tube disposed vertically in the receptacle and having lateral openings in its upper end, and a cylindrical cap mounted on said tube and having openings in its



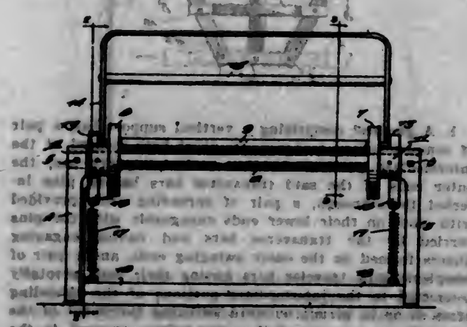
flange cooperating with the openings of the tube for controlling the flow of lubricant through the cap and through said cooperating openings of the tube.

1,636,743. DEVICE FOR TESTING THE INDUCTION COIL AND CONDENSER OF AN ELECTRICAL IGNITION SYSTEM OF A MOTOR VEHICLE. EDWARD B. JACOBSON, Pittsfield, Mass. Filed Mar. 5, 1925. Serial No. 13,130. 10 Claims. (Cl. 175—183.)



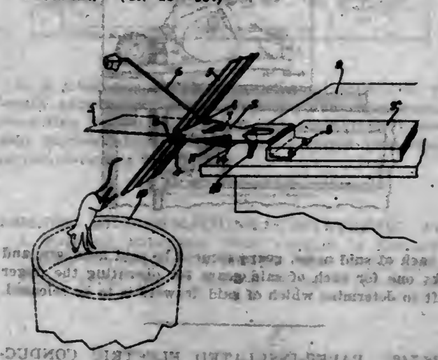
10. A portable device for the purpose described comprising in combination with a metallic casing, a handle part attached to the casing, a part attached to the casing for grounding the same, a make and break device in the casing, means for operating said device, spark gap terminals electrically connected to the make and break device, a condenser in the handle, and means in the handle part for detachably connecting and disconnecting the condenser to the make and break device, as described.

1,636,744. METAL-WORKING IMPLEMENT. CHARLES JOHANSON, Dover, N. J. Filed Aug. 14, 1925. Serial No. 50,297. 4 Claims. (Cl. 153—46.)



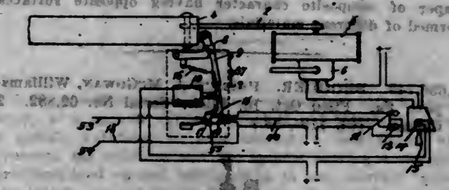
1. In a sheet metal bending machine, a pair of standards, a cylindrical mandrel having its opposite ends fixed to said standards, a plate parallel to and spaced from and having its ends fixed to said mandrel, a pair of disks rotatably mounted on opposite ends of said mandrel and having a radial slot through each, a bending roller having its ends slidably mounted in and projecting through said slots, and a U-shaped yoke lever having the legs thereof pivoted intermediate their ends to the outside faces of said disks and adapted to be rotated into contact with the ends of said roller projecting through said slots and to rotate said disks on said mandrel.

1,636,745. ANIMAL TRAP. ALFRED ERICK JOHNSON, Duluth, Minn., assignor of one-half to M. M. Berg, Duluth, Minn. Filed Mar. 22, 1926. Serial No. 96,553. 4 Claims. (Cl. 43—69.)



1. A base member for the purpose described comprising a bendable metal sheet stamped and bent to provide transversely opposed depending stiffening and abutment elements, and a central transversely arranged depending tongue opposingly related to the ends of said abutment elements, said elements extending in a direction generally lengthwise of the member.

1,636,746. DOOR-CONTROL SYSTEM. CARL S. KLUMPP, Brooklyn, N. Y. Filed Jan. 11, 1922. Serial No. 528,473. 4 Claims. (Cl. 105—341.)

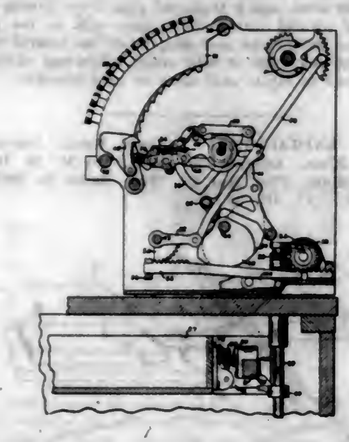


1. In a car door control, a locking system for vehicle doors, and in combination with pneumatically operated door operating devices and electrically controlled door locking devices, means for operating the locking devices independently of the door operating devices, and means for indicating the locked and unlocked condition of the doors.

1,636,747. CASH REGISTER. WALTER J. KREIDER, near Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed July 2, 1924. Serial No. 723,689. 3 Claims. (Cl. 235—22.)

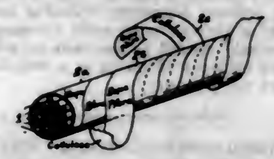
1. In a cash register, the combination of a plurality of cash drawers, a finger shaft the position of which determines which of said drawers will be released, a trans-

verse shaft adapted to drive said finger shaft, a plurality of arms fast on said shaft, studs projecting laterally from said arms, a plurality of members loose on said shaft one



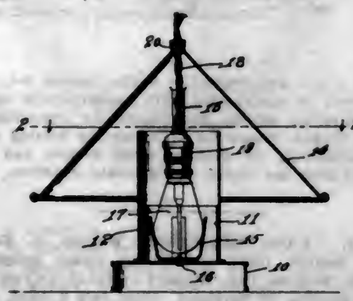
for each of said arms, gears secured to said members, and racks one for each of said gears for operating the finger shaft to determine which of said drawers is to be released.

1,636,748. PAPER-INSULATED ELECTRIC CONDUCTOR. JOHN R. LONG, Tarentum, Pa. Filed Jan. 12, 1926. Serial No. 80,814. 5 Claims. (Cl. 173—264.)



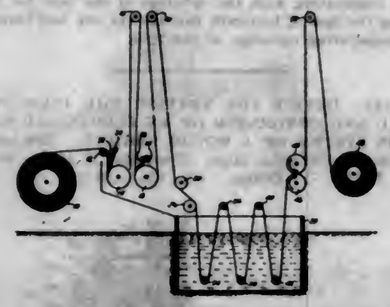
1. An electric conductor having a paper insulating envelope formed of one or more spirally wound layers of paper of composite character having opposite surfaces formed of different materials.

1,636,749. BROODER. PATRICK A. MCGOWAN, Williamsport, Pa. Filed Oct. 16, 1926. Serial No. 62,882. 2 Claims. (Cl. 119—33.)



1. A brooder of the character described comprising a supporting base, a sleeve provided upon the upper side thereof, a tubular member telescopically associated with the sleeve, means for retaining an incandescent lamp bulb within the sleeve and tubular member, and a canopy supported in slight spaced relation upon the upper periphery of the tubular member for deflecting the heat rays generated by the incandescent lamp bulb and emitted from the sleeve and tubular member around the supporting base.

1,636,750. MANUFACTURE OF PREPARED ROOFINGS. JOHN E. MILLER, Marseilles, Ill., assignor to Certain-teed Products Corporation, New York, N. Y., a Corporation of Maryland. Filed Mar. 23, 1926. Serial No. 96,681. 13 Claims. (Cl. 91—68.)



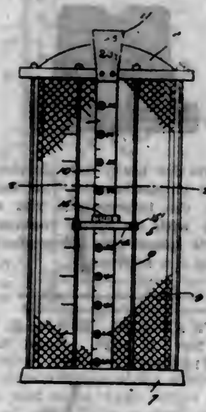
1. The process of saturating felt for the manufacture of roofing material and the like, which consists in applying to one face only of the felt fluid saturant heated to a temperature sufficiently high rapidly to vaporize any moisture in the felt and to permit rapid absorption by the felt, carrying the felt a sufficient distance through the air to permit the saturant, by its heating and penetrating action, to drive the moisture and air from the other face of the felt, and then applying saturant to the other face of the felt.

1,636,751. GAMBREL. DAVID L. MILLSAP, Powersville, Mo. Filed July 30, 1925. Serial No. 47,105. 2 Claims. (Cl. 17—44.)



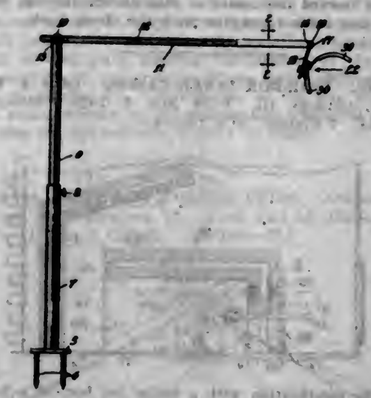
1. A gambrel comprising a vertical support bar, a pair of complementary transverse support bars secured at the intermediate portions to the vertical support bar, the outer ends of the said transverse bars having pins inserted therethrough, a pair of spreading arms provided with slots on their lower ends engageable with the pins carried by the transverse bars and having engaging fingers formed on the outer swinging ends, and a pair of complementary traveler bars having their ends pivotally connected to the intermediate portions of the spreading arms so as to permit outward swinging movement of the arms, the lower ends of the arms being arranged, in the outer horizontal position of the arms, to engage the central support bar so as to be firmly wedged against further movement.

1,636,752. INDICATING DEVICE FOR VISIBLE-GASOLINE TANKS. WILLIAM E. MITCHELL, Anderson, Mo. Filed Apr. 1, 1927. Serial No. 180,822. 1 Claim. (Cl. 116—135.)



In combination, a visible gasoline tank including a pair of spaced parallel bolts, a strip disposed between the bolts, means for holding the strip in place, a slide comprising an arcuate bar having curved fingers fixed to engage with the bolt and from its upper edge at the center merging therefrom an extension, one end of which merges into an overlapping portion, said extension and overlapping portion straddling the strip.

1,636,753. TRAINING APPARATUS. HERMAN PARKER OLCOTT, Wallingford, Conn. Filed July 15, 1924. Serial No. 726,111. 6 Claims. (Cl. 273—35.)



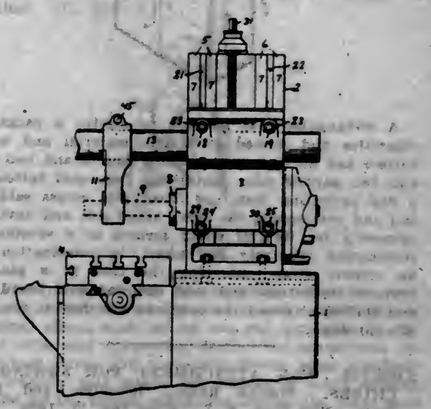
6. A device of the character described comprising telescopic sections one of which is adapted to assume a vertical position and another of which is adapted to be moved to a horizontal position, means for locking said sections together and for permitting horizontal adjustment of one section with respect to the other, a support attached to that section which is adapted to assume a horizontal position, a head-gear comprising a plate, adjustable arms carried by said plate, and means for slidably and pivotally connecting said plate to said support.

1,636,754. FOOT-MEASURING DEVICE. MICHAEL J. O'SULLIVAN, Los Angeles, Calif. Filed Mar. 1, 1926. Serial No. 91,402. 8 Claims. (Cl. 33—3.)



1. A measuring device comprising an expansible foot length gage including a pantograph, and supplementary measuring devices located on said pantograph whereby said supplementary devices will be moved proportional to the movement of said gage.

1,636,755. MILLING-MACHINE CONSTRUCTION. FRED A. PARSONS, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis. Filed May 2, 1925. Serial No. 27,393. 5 Claims. (Cl. 90—16.)

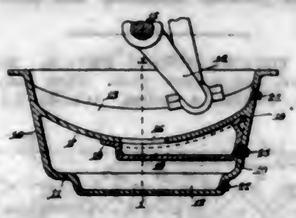


5. In a milling machine, the combination with a headstock, of a spindle carrier adjustably clampable thereto, a spindle rotatable in said carrier, a tool arbor, an overarm, the overarm and the spindle bearing a definite predetermined spaced relationship to one another when the spindle carrier is clamped to the headstock, a pendant secured to the overarm and having a bearing for the tool arbor to maintain the tool arbor and the overarm in the same definite predetermined spaced relationship that exists between the spindle and overarm in the spindle carrier, means for clamping the pendant to the overarm, and means for simultaneously clamping the overarm in the spindle carrier and the spindle carrier to the headstock.

1,636,756. CRANK CASING. WALTER B. POHLE, Lynn, Mass., assignor of one-third to Parker B. Haskell, Lynn, Mass., and one-third to Susan V. Russell, Chelsea, Mass. Filed Dec. 26, 1925, Serial No. 77,843. Renewed Dec. 7, 1926. 4 Claims. (Cl. 184—13.)

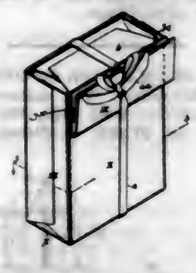
1. A crank casing having formed integral therewith a plurality of splash troughs extending transversely there-

of and through which the ends of the cranks pass during their rotation, each trough having an opening in the



lowest part of its bottom and a sediment receptacle fixedly secured to the under face of said bottom of each trough and always in communication with said opening.

1,636,757. PACKET CONTAINER. EDWARD J. READING, Paterson, N. J. Filed Dec. 2, 1926. Serial No. 152,075. 1 Claim. (Cl. 206—41.)



A rectangular case adapted to receive a package of cigarettes and formed of flexible material and with a bottom and an open end opposite thereto and two broad and two narrow sides upstanding from said bottom and a flap projecting from one broad side across said open end and overlapping the other broad side and having its extremity for its full width formed as a substantially rectangular relatively stiff panel, in combination with an endless strap embracing the case in a plane to traverse its bottom and said end and said broad sides and shiftable around the case and attached to the panel of said flap.

1,636,758. FAN ATTACHMENT FOR SEWING MACHINES. SIMONE RENNA, Brooklyn, and LEUIGI RENNA, New York, N. Y. Filed Dec. 27, 1926. Serial No. 157,191. 7 Claims. (Cl. 230—248.)



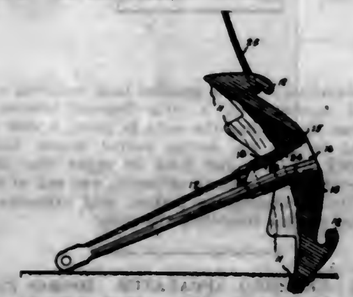
1. In combination with a belt driven machine, a fan, and means driven by said belt driven machine for communicating movement to the fan and for causing the fan to run free of said means and by its own momentum on slowing or stopping of the machine.

1,636,759. CUSHION TIRE. LEON N. SOUTHMAYD, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 18, 1923. Serial No. 639,732. 5 Claims. (Cl. 152—1.)



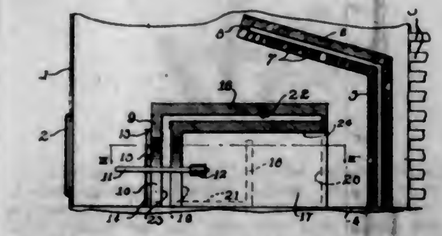
2. A cushion tire for heavy duty service comprising in combination three circumferential rim sections, a small tire mounted on the intermediate rim section, and a cushion tire body with its cavity containing said small tire and having its spaced legs independently mounted on the two remaining rim sections.

1,636,760. SHIP'S ANCHOR. EDWARD B. SWIFT, Seattle, Wash. Filed Nov. 1, 1926. Serial No. 145,472. 8 Claims. (Cl. 114—206.)



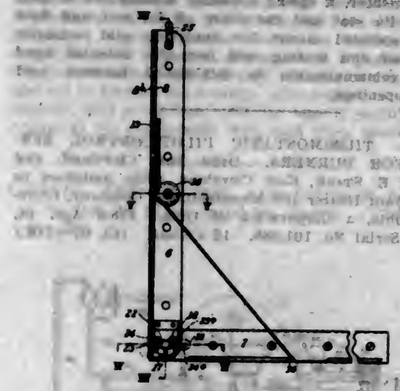
5. The combination with a concavo-convex anchor having a plurality of star points on its periphery, of an integral chock hook formed on the rear side of each of said points each of said chock hooks having an opening directed toward the center of said anchor through which a line may enter to engage with the chock hook.

1,636,761. FIRE-BOX INNER CASING. OLOF A. TOFFTEEN, Chicago, Ill. Filed Nov. 5, 1925. Serial No. 66,918. 7 Claims. (Cl. 158—4.)



1. The combination with a boiler fire box, of a hollow apertured fire arch mounted therein, an inner casing mounted within said fire box at a distance from the front wall of the fire box and below the fire arch and open at both ends, said inner casing having hollow walls, means for adjustably closing one end of the casing and a fuel supply device projecting into said fire box and into said inner casing to supply fuel to the interior of said inner casing for carburination with pre-heated air issuing from said hollow casing walls and with the air entering the fire box below said inner casing.

1,636,762. WINDOW. PEARL H. WILLIAMSON and FLOYD M. WILLIAMSON, Detroit, Mich. Filed Mar. 6, 1926. Serial No. 92,743. 10 Claims. (Cl. 20—40.)

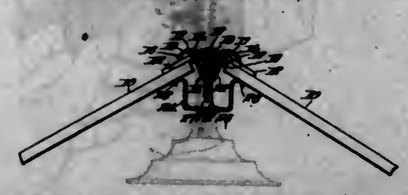


1. In a window arrangement, the combination of a frame having stops therein, slides adapted to move vertically between said stops, angle strips on the inner and rear surfaces of said slides, a sash pivotally mounted between said slides, said slides having recesses therein, pulleys rotatably mounted on said angle strips and located in said recesses, other pulleys in said frame at its upper end, sash weights in said frame, sash cords having one of their ends attached to said sash, said angle strips having openings therethrough for the passage of said sash cords, said sash cords passing through said openings, around said first named pulleys, up and around said other pulleys, and secured at their other ends to said sash weights.

1,636,763. METALLIC COMPOSITION. HENRIK BOVING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 26, 1920. Serial No. 384,264. 4 Claims. (Cl. 75—1.)

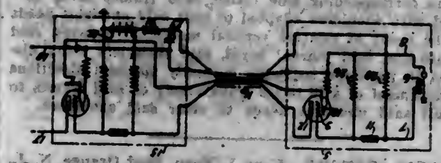
1. The method of forming an alloy comprising a plurality of metallic elements, one or more of said metallic elements having a comparatively low volatilization point which consists in reducing said metallic elements to a finely divided state, molding the mixture of the resulting particles in the presence of gas under sufficient pressure to blanket the volatilization of the low volatilization point element at the temperature employed and increasing the temperature to form an alloy.

1,636,764. SASH-BAR CONSTRUCTION. GEORGE WILLIAM CLAY, Kingston, Pa. Filed July 18, 1925. Serial No. 44,526. 2 Claims. (Cl. 189—78.)



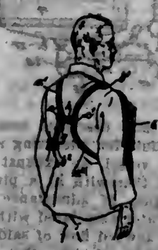
1. A joint of the class described comprising an adapter member having plates to engage panels, means flexibly securing the plates together, an outer clamp bridging the plates contacting therewith at their side edges to exert a pressure substantially transversely of the panels, an inner clamp to engage the inner surfaces of the panels, and means to secure the clamps together at the requisite pressure.

1,636,765. WAVE-TRANSMISSION SYSTEM AND APPARATUS. ALFRED S. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1925. Serial No. 51,280. 1 Claim. (Cl. 179—171.)



In apparatus for the transmission of sound wave energy, an amplifier, a cabinet therefor, said cabinet comprising a metallic shield surrounding said amplifier, a condenser transmitter, a metallic shield therefor, said shields being electrically connected and said transmitter being connected to the input of said amplifier by sensibly short leads, having a capacity between them negligibly small in comparison with that of the transmitter and included within said metal shielding.

1,636,766. CARRYING DEVICE OR BELT FOR BREATHING APPARATUS, PARTICULARLY SELF-RESCUING APPARATUS. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed June 11, 1926, Serial No. 115,170, and in Germany Sept. 24, 1925. 5 Claims. (Cl. 224—5.)



1. A carrying harness for breathing apparatus comprising a looped connecting device, and a plurality of individual straps each having one end permanently connected with said connecting device, the connections between said straps and connecting device being relatively loose whereby said straps are capable of being slidably movable on the looped connecting device, the other ends of said straps being arranged for connection with the apparatus.

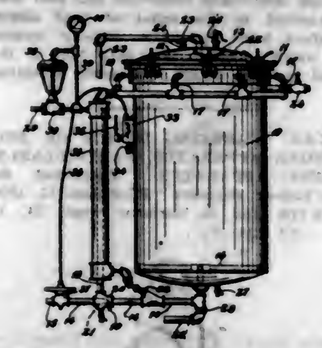
1,636,767. SEPARABLE JOURNAL BOX. HARRY C. DREIBUSS, St. Louis, Mo., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo., a Corporation of Delaware. Filed Apr. 2, 1926. Serial No. 99,278. 6 Claims. (Cl. 105—230.)



1. In combination, a pair of side frames, means cooperatively associated with said side frames for holding same in spaced relationship with one another, and sepa-

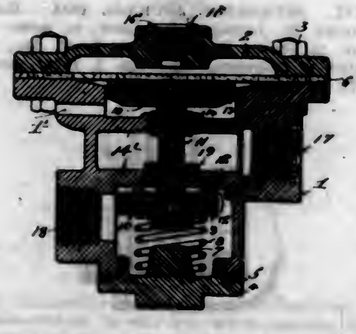
rable journal boxes for supporting said side frames, said boxes and said side frames having interfitting parts, said interfitting parts associated with each of said journal boxes comprising a projection mounted upon the top of one of said journal boxes, said projection having an undercut head adapted to be disposed within the outline of its corresponding side frame, said frames being provided with shoulders adapted to abut said undercut heads in the event of relative vertical movement between said frames and said journal boxes, said shoulders being disposed in positions requiring mutually opposite directions of movement of said boxes transversely of said frames to permit said undercut heads to clear said shoulders.

1,636,768. RETORT. KARL L. FORD, East Orange, N. J., assignor to Glass Container Association of America, New York, N. Y., a Corporation of Delaware. Filed Mar. 12, 1926. Serial No. 94,128. 1 Claim. (Cl. 99—2.)



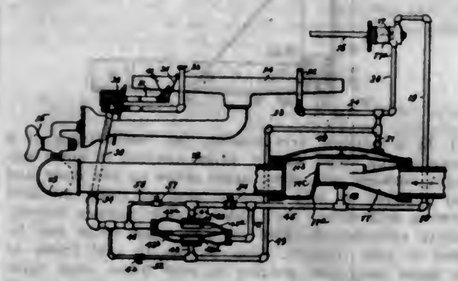
Apparatus of the class described comprising a closed vessel, an intake conduit for admitting a vaporized heating medium into the vessel, an exhaust conduit for the vessel communicative therewith at a plurality of points spaced from the region of admittance of the heating medium, and an aspirator associated with said intake and exhaust conduits, the inward flow of said heating medium operating said aspirator whereby the gaseous contents of the vessel are exhausted therefrom and returned thereto intermixed with said heating medium to provide approximately uniform heating throughout the vessel.

1,636,769. QUICK APPLICATION AND RELEASE VALVE. PARIS R. FORMAN, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Jan. 20, 1926. Serial No. 82,439. 15 Claims. (Cl. 303—6.)



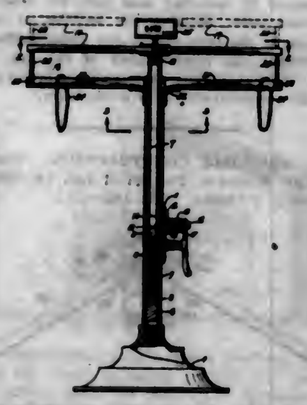
12. In a quick application and release valve a hollow body member having threaded openings therein, cap members on the ends of said body member forming a closed chamber, transverse walls within said body member having openings therein with seats on the edges of the openings, valve heads for said openings joined by a fluted member, a spring normally holding one of said heads on its seat and the other off its seat and fluid pressure operated means for unseating said normally seated head and seating said normally unseated head whereby communication is established between said threaded openings.

1,636,770. THERMOSTATIC PILOT-CONTROL SYSTEM FOR BURNERS. OTTO FOX, Cleveland, and WILLET E. STARK, East Cleveland, Ohio, assignors to The Bryant Heater and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 14, 1926. Serial No. 101,886. 12 Claims. (Cl. 67—116.)



1. In a thermostatic pilot control system for burners, a main burner, a pipe for supplying gas thereto, a pilot burner having a thermostat, a valve associated with the thermostat and adapted to be opened when the thermostat cools by the extinguishment of the flame of the pilot burner, a main control valve, and means whereby the opening of the first mentioned valve prevents opening of the main control valve.

1,636,771. DISPLAY RACK. HARRY GLABERMAN, Brooklyn, N. Y. Filed July 10, 1924. Serial No. 725,201. 8 Claims. (Cl. 211—24.)



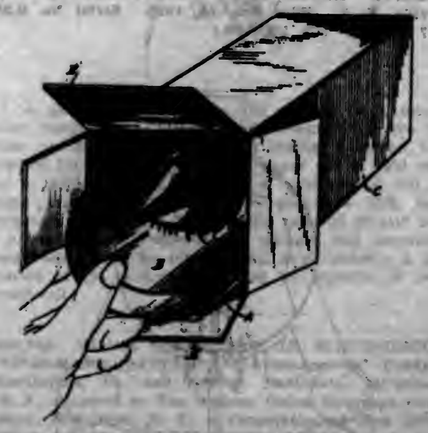
1. A display rack comprising a base, a tube supported by said base, a cross member supported near the upper end of said tube for holding a plurality of objects for display, a substantially T-shaped member having its stem portion slidably mounted within said tube, pieces extending downward from the ends of the cross bar of said T-shaped member adapted when brought into engagement with said cross member to complete a closed area between said cross member and said cross bar, spring means for normally holding up said cross bar with its downwardly extending end pieces out of contact with said cross member, locking means for locking said T-shaped member with said end pieces in engagement with the cross member, said T-shaped member having its stem adapted to prevent its rotation with respect to said tube, whereby said cross bar with its legs is maintained in alignment for engagement with said cross member.

1,636,772. RUBBER HEEL. ABE GOLUB, St. Louis, Mo. Filed Dec. 21, 1925. Serial No. 76,618. 1 Claim. (Cl. 36—35.)



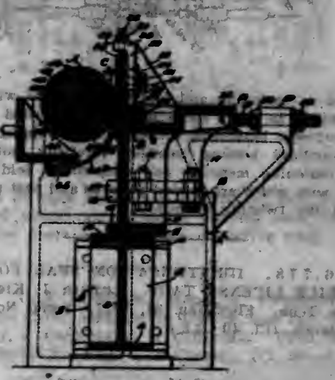
A rubber heel comprising a resilient member having a recessed upper face and a lower face, and a plurality of intersecting channels having undercut edges formed in the lower face of said member, said channels located directly below the recess in the upper face whereby that portion of the heel at the recesses is rendered more flexible, and the lower face of the member along said channels more resilient.

1,636,773. MAILING PACKAGE. HERMAN L. GEAVE, Brooklyn, N. Y. Filed Dec. 30, 1922. Serial No. 609,828. 4 Claims. (Cl. 206—57.)



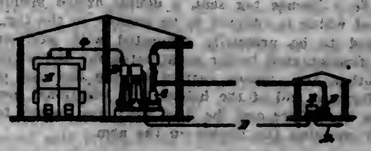
4. The combination of a mailing tube container suitable for shipping, storage and dispensing and a number of flexible permanently curved-shaped mailing wrappers having their end curled up portions brought closer together to compactly nest same in said container and held against movement by the normal uncurling pressure of the wrappers on each other and on a plurality of the longitudinal sides of the container, said container constructed with end openings for allowing the removal of the wrappers in any desired units at one time by a slight inward pressure toward the center of said container.

1,636,774. MACHINE FOR EXPANDING METAL SHEETS. MELVIN SOLOMON GROH, Toronto, Ontario, Canada, and JOSEPH A. HALLS, Youngstown, Ohio, assignors, by mesne assignments, to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 12, 1924. Serial No. 731,634. 15 Claims. (Cl. 164—6.6.)



11. A machine including a frame member carrying a stationary die, and a ribbed expanding drum having its ribs spirally set.

1,636,775. METHOD OF CONVEYING STEAM THROUGH LONG-DISTANCE PIPE LINES. OTTO HERMANN HARTMANN, Cassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed Dec. 2, 1921, Serial No. 519,329, and in Germany Dec. 16, 1920. 5 Claims. (Cl. 137—78.)



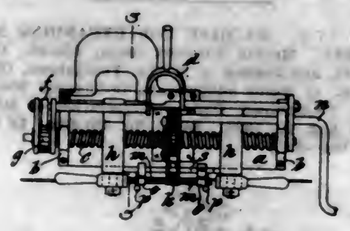
4. The method which consists in conducting high pressure steam to a point remote from its source, whereby the steam loses not more than half its initial pressure, increasing the pressure of said steam at said point to substantially restore it to its initial pressure, and conducting said steam to a point of utilization remote from said first mentioned point.

1,636,776. POISON COMPOSITION. OSCAR F. HEDENBURG, Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 19, 1926. Serial No. 89,296. 7 Claims. (Cl. 167—6.)

1. A poison composition for pests containing colloidal white arsenic.

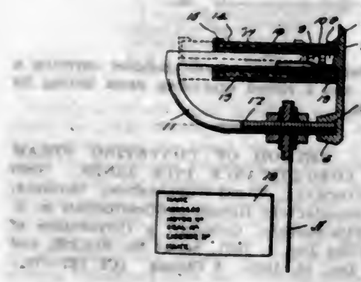
7. A poison composition for pests consisting of colloidal white arsenic, meat and cereal.

1,636,777. TENSIONING AND LOCKING DEVICE FOR WIRE-BINDING MECHANISMS. EMIL HOFFMANN, Cologne, Germany. Filed June 29, 1926, Serial No. 119,412, and in Germany July 1, 1925. 4 Claims. (Cl. 140—93.)



1. In a tensioning and locking device for wire-binding mechanisms in which the wire is finally twisted for securing purposes, tensioning members for straining the wire and auxiliary holding members receiving motion from said tensioning members and adapted to hold the ends of the wire which are pushed towards and past each other during the twisting operation.

1,636,778. IDENTIFICATION SEAL FOR AUTOMOBILE LICENSE TAGS. LUTHER J. KIGER, Nashville, Tenn. Filed Jan. 31, 1927. Serial No. 164,843. 4 Claims. (Cl. 40—2.2.)



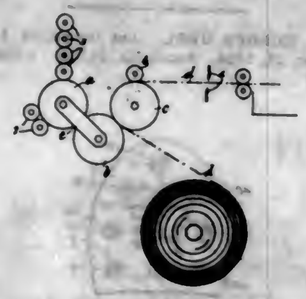
1. In a license tag seal, a double armed member, one arm of which is adapted to be secured to the tag, a disc adapted to be primarily connected with said arm, an identification card holder constructed for disposition upon the other arm, means carried by the disc for entering the forward end of the holder, and additional means between the holder and the first mentioned means for positively securing the holder on the arm.

1,636,779. TIRE CONSTRUCTION. FREDERICK W. KRONE, San Francisco, Calif. Filed Aug. 4, 1926. Serial No. 127,104. 1 Claim. (Cl. 152—10.)



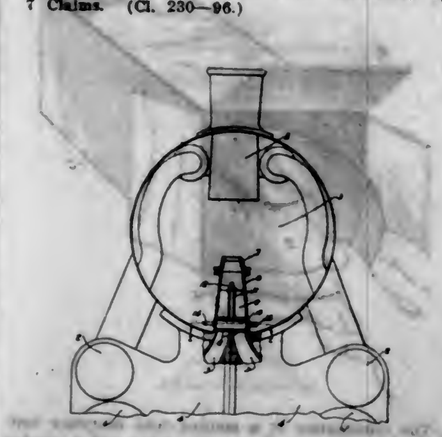
A rubber inner tube for tires equipped with an interior solid rubber annulus of increased thickness formed integral with said tube and only on the rim zone thereof and of a thickness less than half the cross sectional dimension of the tube; the remainder of the cross section of the tube being of substantially the standard thickness of inner tubes.

1,636,780. DUPLICATOR. EDMUND LICHTENSTEIN, Berlin, Germany, assignor to Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H., Berlin, Germany, a Firm. Filed Sept. 26, 1925, Serial No. 58,908, and in Germany Oct. 16, 1924. 12 Claims. (Cl. 101—148.)



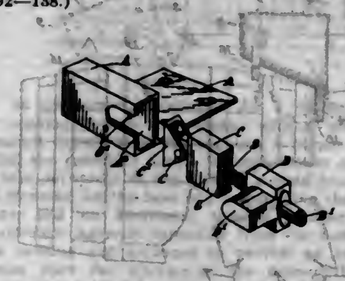
1. A duplicator operating upon the offset principle comprising an impression cylinder, a printing cylinder, a rubber cylinder located beneath said first mentioned cylinders when the machine is in operation, said cylinders being operatively connected by toothed gearing, means whereby one of said cylinders may be moved to facilitate access to said rubber cylinder, a cutting mechanism, means for permitting play between the axes of said cylinders, means for taking up this play, the amount of said play being of limited extent so that said toothed gear connection between said cylinders is maintained even when said means for taking up said play is released and means whereby the toothed wheel connection is also maintained when effecting the movement which renders the rubber cylinder conveniently accessible.

1,636,781. LOCOMOTIVE. NEAL T. MCKEE, Bronxville, N. Y. Filed Feb. 14, 1925. Serial No. 9,337. 7 Claims. (Cl. 230—96.)



1. In a locomotive smokebox, the combination, with exhaust steam passages terminating in a main exhaust pipe; of auxiliary draft creating means located within said pipe, and means for supplying steam to said draft creating means, said first named means having discharge openings therein so located that when steam is supplied thereto a portion of said steam is admitted to said main exhaust pipe and passages.

1,636,782. WINDOW LATCH. ORAZIO MILLAURO, London, England. Filed Dec. 18, 1926, Serial No. 155,654, and in Great Britain Oct. 25, 1926. 3 Claims. (Cl. 292—138.)



1. A window latch comprising a box-like bracket secured to the head of the lower window sash, two blocks slidably mounted in said bracket and internally screw-threaded, and a right- and left-handed screw-threaded rod engaging said blocks so as to cause them to take a direct thrust on the upper window sash and on the beading of the window frame.

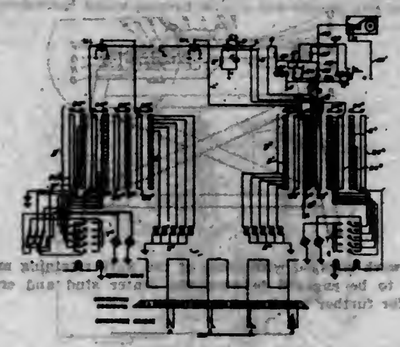
1,636,783. PORTABLE DESK. DAVID BARRON O'KELLY, Miami Beach, Fla. Filed Mar. 12, 1926. Serial No. 94,187. 7 Claims. (Cl. 40—87.)



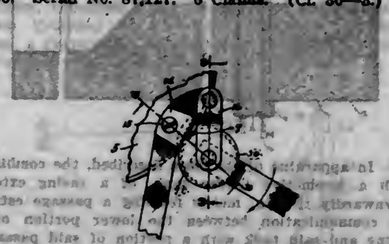
1. A device for facilitating the reading of a manuscript, comprising a casing, a roll mounted for free rotation at the lower end of said casing, a second roll mounted for free rotation at the upper end of said casing, a ratchet fixedly mounted on said second roll, a spring pressed pawl adapted to cooperate with said ratchet in the manner to cause the rotation of said roll in a predetermined direction, a plunger and operating means connecting the plunger and pawl whereby a depression of the plunger will cause the rotation of said second roll.

1,636,784. PHASE CORRECTION IN SYNCHRONOUS TELEGRAPH SYSTEMS. LEIGHLAND F. PARKER, Burlington, Vt., and FAY B. BRAMHALL, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Jan. 6, 1926. Serial No. 79,586. 5 Claims. (Cl. 178—53.)

1. In a telegraph system, a correcting distributer, a corrected distributer rotating in approximate synchronism with said correcting distributer, a circuit connecting said distributers, means for transmitting impulses of two polarities over said circuit, a condenser, a phase correcting relay, mechanism controlled by said relay to shift the brushes of the distributor relative to their driving shaft, circuit arrangements whereby said condenser is charged on each reversal of polarity of said impulses and second circuit arrangements whereby said charging impulse also operates said phase correcting relay.



1,636,785. CAN OPENER. AXEL W. PETERSON, San Francisco, Calif., assignor to Western Tool and Wrench Company, a Corporation of California. Filed Feb. 9, 1926. Serial No. 87,127. 6 Claims. (Cl. 30—3.)

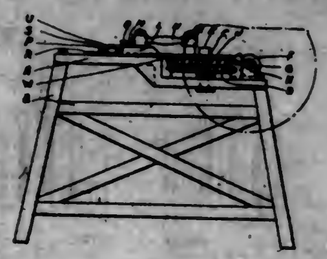


1. A can opener comprising a cutting blade adapted to penetrate the end wall of a can adjacent the periphery thereof and means for operating said blade to cut the end wall on a continuous line extending around the end wall from one end of a perforation made therein by the blade to the other end of the perforation, said means comprising a pair of relatively movable manually operable levers, a link connecting said levers together at one end, one of said levers being rigidly secured to the blade and the other having its connected end portion provided with a curved extension having a roughened surface adapted to bear upon the upper end portion of the side wall of the can at right angles to the blade and cooperate with the blade to grip said side wall therebetween when the said levers are moved relatively toward each other whereby the curved extension is caused to turn upon the side wall and advance the blade through the end wall.

1,636,786. METAL-BENDING MACHINE. THOMAS ROLLEY, Brisbane, Queensland, Australia. Filed Jan. 13, 1925, Serial No. 2,230, and in Australia June 16, 1924. 8 Claims. (Cl. 153—48.)

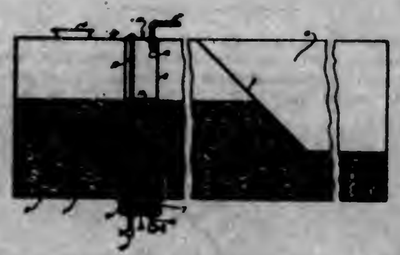
1. In a metal bending machine, a support, a plurality of work retaining members, carried by said support, a pusher bar associated with certain of the work retaining members for bending work, a rotatable member, an upstanding center stud and a crank pin both carried

by said rotatable member, and a removable connecting rod engaged with the crank pin and the pusher bar for operating the latter and adapted, upon removal, to per-



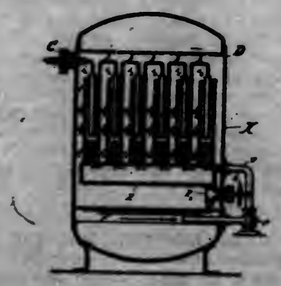
mit work engaged with other of the work retaining members to be engaged between the center stud and crank pin for further bending operations.

1,636,787. LOCOMOTIVE TENDER WITH OIL SEPARATOR. GILBERT E. RYDER, Leonia, N. J., assignor to The Superheater Company, New York, N. Y. Filed Oct. 10, 1925. Serial No. 61,867. 3 Claims. (Cl. 210—51.)



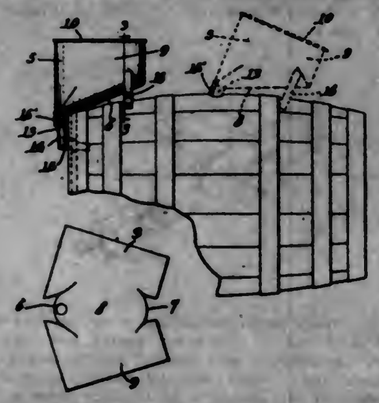
1. In apparatus of the class described, the combination with a locomotive tender tank, of a casing extending downwardly therein, means forming a passage establishing communication between the lower portion of said casing and said tank with a portion of said passage lying wholly below the level of the bottom of said tank, a condensate return pipe opening into said casing, and an overflow pipe leading from the upper portion of said casing.

1,636,788. ELECTRIC STEAM BOILER. EDUARD SCHLECK, Berlin, Germany. Filed Jan. 16, 1926, Serial No. 81,821, and in Germany Oct. 24, 1924. 7 Claims. (Cl. 219—40.)



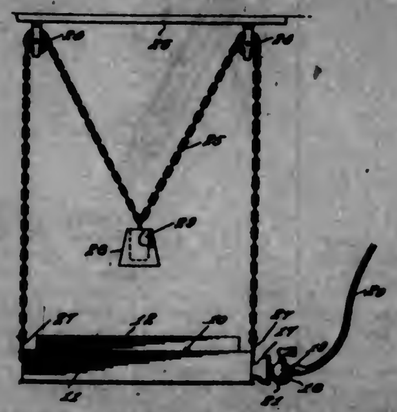
1. In an electrically heated boiler the combination of steam generating apparatus arranged in the boiler, consisting of several outer vessels serving as electrodes and of inner electrodes inserted into said outer vessels, and means permitting of series-connecting the electrodes like a battery in such a manner that the outer electrode of the first steam generating apparatus is electrically connected with the inner electrode of the second apparatus and so forth.

1,636,789. FUNNEL. WILLIAM HENRY SIGLEY, Sylvan Grove, Kans. Filed Sept. 11, 1926. Serial No. 55,768. 1 Claim. (Cl. 225—38.)



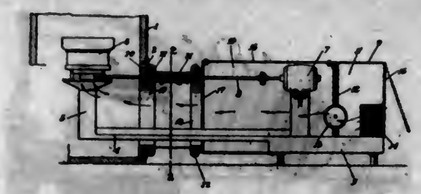
A funnel including a blank formed of a length of sheet material having converging side edges and having cut out portions formed in its front and rear end edges, the cut out portions having curved lateral walls and curved inner walls, said blank adapted to be folded intermediate its side edges to provide side walls and a curved bottom, and said bottom having a discharge opening.

1,636,790. GAS HEATER FOR PRINTING PRESSES. FRANCIS X. SMITH, New York, N. Y. Filed Oct. 9, 1926. Serial No. 140,588. 1 Claim. (Cl. 24—18.)



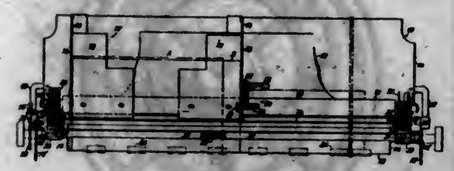
A portable and adjustable gas heater device for printing presses comprising an elongated reflector having outwardly flared side walls, a reduced hot air pocket provided in the top of said reflector and extending the major portion of the length thereof, a gas burner tube supported by the end walls of said reflector and disposed directly beneath said hot air pocket and having a row of flame openings along its underside, and a wire gauze cylinder supported from and enclosing said burner tube but spaced from said row of flame openings to trap the flame within said cylinder when said burner tube is lighted to cause a glow along the length of said cylinder, the heat from which is trapped in said hot air pocket and reflected by the walls of said reflector.

1,636,791. OIL-BURNER INSTALLATION. IRA E. SMITH, Stockton, Calif. Filed Mar. 7, 1927. Serial No. 173,335. 6 Claims. (Cl. 158—4.)



1. An oil burner installation for a firebox having a side opening therein, comprising, with a base member supported exteriorly of the opening, a burner inside the firebox and operating means for said burner mounted on the base outwardly of the firebox; a rigid housing structure mounted on the base and surrounding the operating means, and an additional housing member made of vibrationless material extending from the firebox to the rigid housing and arranged to provide an enclosed air passage from the interior of the firebox through the side opening thereof and into the rigid housing.

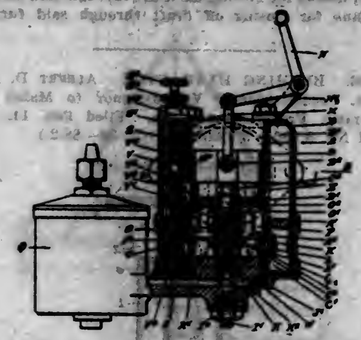
1,636,792. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 12, 1923. Serial No. 680,153. 34 Claims. (Cl. 197—127.)



1. A typewriting machine for typing items to be billed and posted, having a revoluble platen, a statement and ledger sheet collating device, including a collating table disposed above the platen at the delivery side thereof, a mechanism for presenting a ribbon to the outer of two work-sheets, and mechanism for feeding an auxiliary ribbon between the outer work-sheet and the inner work-sheet to make a permanent record copy upon the inner work-sheet, said auxiliary ribbon-mechanism including a back-print-prevention shield for the auxiliary ribbon, and devices for shifting said auxiliary ribbon and said shield to a sheet-collating position adjacent the lower end of said collating table, so that said auxiliary ribbon and said shield will be disposed in the rear of said main ribbon and substantially parallel to the work-face of said collating table to avoid smudging the outer work-sheet during numerous insertions and removals of the same.

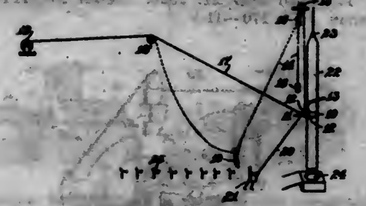
1,636,793. CARBURETOR. FENTON FREDERICK STRATTON, East Croydon, England. Filed Nov. 16, 1921, Serial No. 515,516, and in Great Britain Nov. 16, 1920. 2 Claims. (Cl. 261—41.)

2. A carburetor for internal combustion engines comprising a mixing and control chamber surrounded by superimposed annular chambers, the lower for the admission of air and the upper for the passage of the mixture, the mixing and control chamber having vertically spaced openings therein affording communication with the superimposed annular chambers, a sliding valve operable within the mixing and control chamber for placing the annular chambers into communication with the mixing and control chamber, said valve having a horizontal partition intermediate its ends and openings therebeneath adapted to be placed in registration with the upper openings in the mixing and control chamber when the valve is raised, a perforated sleeve secured within the mixing and control



chamber, a sleeve carried by the valve and telescoping the first mentioned sleeve, the two sleeves forming a nozzle chamber, a nozzle extending into said nozzle chamber, a needle depending from the valve partition for controlling discharge from the nozzle, and means mounted above the valve partition for raising and lowering the valve.

1,636,794. TAKEDOWN APPARATUS. THOMAS F. WATERS, Okmulgee, Okla., assignor to Baker Brothers Glass Company of Okmulgee, Oklahoma, Okmulgee, Okla., a Corporation of Oklahoma. Filed Nov. 5, 1925. Serial No. 67,116. 5 Claims. (Cl. 214—3.1.)



1. A take-down apparatus comprising a hole-end sling, a hoisting cable and guide rope attached thereto, and a counter-weight cable attached to said sling and supported in such manner as to be capable of moving the sling upwardly along the length of a freshly-drawn cylinder.

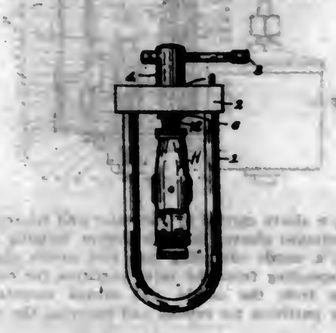
1,636,795. BAKE OVEN. PETER AHLHEIM, St. Louis, Mo. Filed Apr. 11, 1923. Serial No. 631,288. 1 Claim. (Cl. 107—55.)



A bake oven comprising a casing, heat furnaces having a solid floor located in said casing, parallel flues formed in the rear portion of said furnaces, a bake oven located

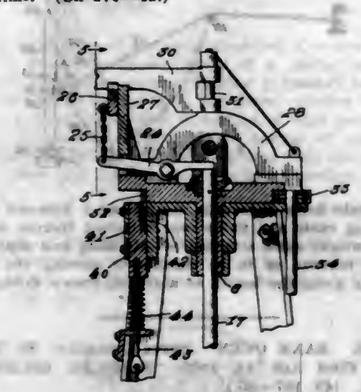
above said flues, a plurality of flues parallel to each other and to the first mentioned flues located in said casing above said oven, a single vertical flue for connecting said first and second mentioned flues, a chimney, a flue for connecting all of said second mentioned flues to said chimney, means for closing off draft through said chimney, and means for closing off draft through said furnaces.

1,636,796. BUSHING EXTRACTOR. ALBERT D. ALEXANDER, Fredericksburg, Va., assignor to Mabel Viola Alexander, Fredericksburg, Va. Filed Feb. 11, 1925. Serial No. 8,486. 3 Claims. (Cl. 29—88.2.)



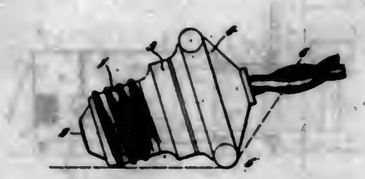
3. A bushing extractor, comprising a yoke having a cross-piece connecting the same, a bearing in the cross-piece, a screw-shaft in the bearing, and means to rotate the shaft.

1,636,797. WINDMILL. FRANK W. BAKER, East Aurora, N. Y. Filed July 21, 1926. Serial No. 124,071. 4 Claims. (Cl. 170—41.)



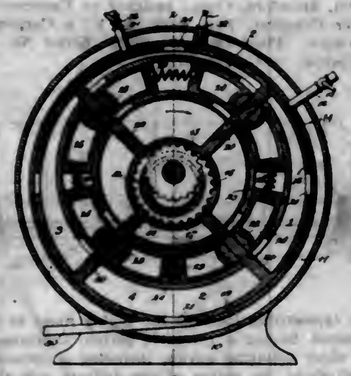
1. A wind mill of the class described comprising a tower, a driven shaft journaled therein, a turntable rotatably mounted on the top of the tower, a horizontal shaft carried by the turntable, gears connecting the two shafts together, a wind wheel carried by the horizontal shaft, manually operated means for rotating the turntable, locking means for locking the turntable in adjusted position, manually operated means for actuating the locking means, a vane pivotally supported on the turntable, a weighted latch lever on the turntable for holding the vane parallel with the wind wheel, a lever pivoted to the turntable, a flexible member connecting the lever to the latch lever and means for moving the driven shaft vertically to move the lever to a position where the flexible member will move the latch lever to releasing position.

1,636,798. ATTACHMENT PLUG. EDWIN C. BALLMAN, St. Louis, Mo. Filed Nov. 9, 1923. Serial No. 673,690. 2 Claims. (Cl. 173—359.)



1. An electrical attachment plug, of fragile materials, having an annular recess therearound at the point of greatest diameter, a contact shell projecting from one side thereof, a lead from the other side thereof, and a resilient ring mounted in said recess and encircling said plug in order to protect the same against breakage.

1,636,799. ROTARY ENGINE. BERNT M. BERNTSEN, Brooklyn, N. Y. Filed Feb. 12, 1921. Serial No. 444,530. 5 Claims. (Cl. 123—16.)

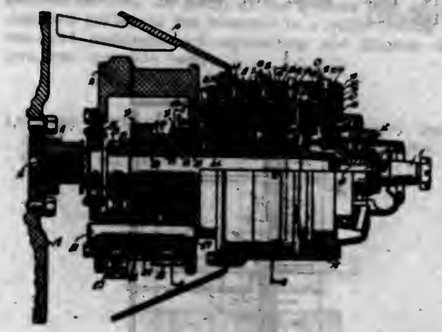


2. In a device of the class described, the combination with the framework thereof, of a rotatable member comprising a plurality of fixedly mounted radiating pistons, a second rotatable member mounted eccentrically of the first said rotatable member and comprising flanges loosely embracing said pistons, a plurality of packing members yieldingly mounted in the second rotatable member and confined between the flanges thereof and each embracing a respective one of said pistons, and semi-cylindrical members mounted in said packing members and slidably engaging said pistons.

1,636,800. TRANSMISSION. HOWARD E. BLOOD, Detroit, Mich., assignor to Detroit Gear and Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 14, 1925. Serial No. 56,348. 7 Claims. (Cl. 74—34.)

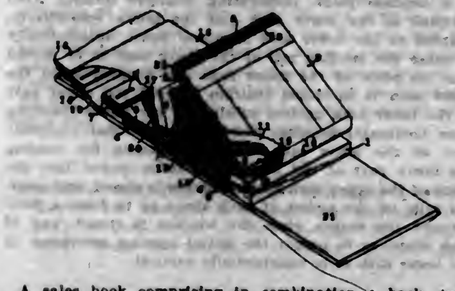
1. In a transmission the combination with a transmission case, a driving gear, a driven gear, a planetary housing and a sun gear all journaled concentrically and adapted for independent rotation, of a plurality of planet gears journaled eccentrically in said housing and adapted to rotate together at all times, said planet gears meshing with said driving gear, driven gear and sun gear respectively, a series of concentric sleeves respectively

connected to said driving gear, driven gear, sun gear and housing, means for clutching said driving gear sleeve to said driven gear sleeve, means for clutching each of



the other sleeves to said transmission case, and means for alternatively engaging said clutching means whereby only one of said clutching means is engaged, at all times.

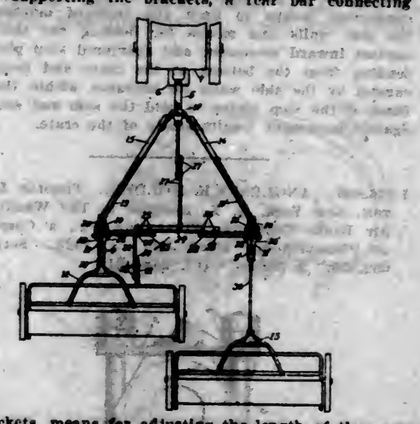
1,636,801. MANIFOLDING SALES BOOK. EDWARD KIRBY BOTTLE, Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Ontario. Filed May 23, 1922. Serial No. 562,955. 1 Claim. (Cl. 282—24.)



A sales book comprising in combination a back, two pads bound to said back adjacent to each other, with the free ends of the leaves extending in opposite directions, said pads being sufficiently spaced to permit the back to be folded to superpose the pads, one of said pads comprising a set of superposed leaves, and the other comprising a plurality of sets of leaves, each set comprising four leaves attached together end to end to form a strip, said strip being folded to superpose the third and fourth leaves upon the second and first respectively, and being folded a second time to bring all four leaves of the set in registry with each other, the first leaf of each set being extended beyond the others to form an extension by which the sets are bound together in the pad, said pad being pivoted to said support at the end opposite said binding, and a carbon strip bound within the pad above the record leaves and of a length equal to two of said record leaves, whereby it may be folded to extend between the record leaves, and a carbon sheet attached to the back at the side of said second mentioned pad.

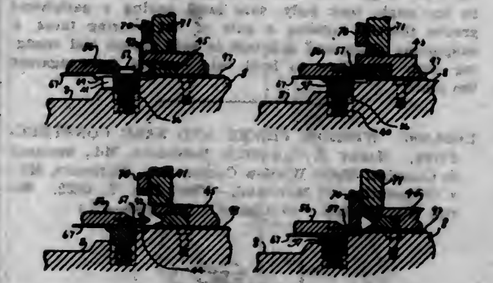
1,636,802. TRACTOR HITCH FOR DRILLS. HARRISON B. BOZARD, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,508. 5 Claims. (Cl. 280—33.44.)

1. In a tractor hitch, the combination of side bars pivotally connected at their front ends and pivotally secured to brackets at their rear ends, caster wheels pivoted in and supporting the brackets, a rear bar connecting



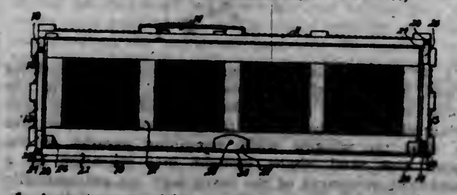
the brackets, means for adjusting the length of the rear bar, and a draft bar carried by each of the brackets for connection to an implement.

1,636,803. MACHINE FOR FOLDING STOVEPIPE BLANKS. JOHN MOOTRY BROWN, Hamilton, Ontario, Canada. Filed Oct. 6, 1926. Serial No. 139,890. 5 Claims. (Cl. 153—13.)



1. A machine for folding stove pipe blanks comprising a main table, a pair of opposed substantially horizontal rams supported above the table and movable both horizontally and vertically, one of said rams formed with a depression in its face and the other ram with a projecting tongue adapted to move into said depression, a vertical ram movable vertically above the table between the opposed rams, the table formed with a depression positioned vertically below the vertical ram and means for automatically operating said rams at predetermined intervals to constitute a complete cycle of forming operations.

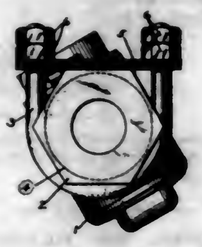
1,636,804. CRATE. MARVIN AUSTIN BROWN, Artesia, N. Mex. Filed Nov. 19, 1923. Serial No. 675,735. Renewed June 4, 1927. 3 Claims. (Cl. 217—47.)



1. A crate comprising a bottom, top, side walls and end walls, means hingedly connecting the side walls to the top wall to permit of inward folding movement,

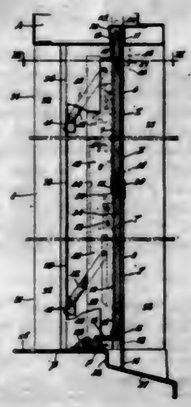
means for hingedly connecting the end walls to the top and bottom of the crate, means carried by the hingedly connecting means to limit the outward movement of the side walls and means for holding the side walls against inward movement and apertured stop plates extending from the bottom of the crate and projections carried by the side walls for entrance within the apertures of the stop plates to hold the side and end walls against movement longitudinally of the crate.

1,636,805. ANGLE-COCK HOLDER. THOMAS L. BURTON, New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed July 18, 1923. Serial No. 652,355. 2 Claims. (Cl. 248—31.)



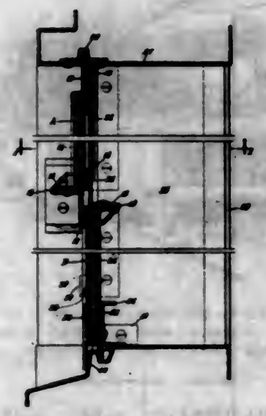
2. In a device of the class described, the combination with an angle cock having a hexagonal head adjacent to the angle cock body, said head having a peripheral groove therein forming a pair of flat bearing faces, a supporting plate, and a U-bolt in said groove and engaging with the plate to hold said bearing faces against the plate.

1,636,806. WINDOW FRAME AND SASH CONSTRUCTION. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Dec. 7, 1922. Serial No. 605,359. 19 Claims. (Cl. 189—75.)



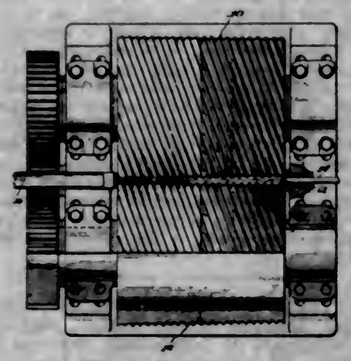
1. A window-frame and sash construction comprising jambs, sashes having frames adapted to slide in the jambs in different planes, the frame of the lower sash being adapted to move into the plane of the upper sash to close the window while remaining parallel to the upper sash, and means brought into operation by a downward movement of the lower sash for automatically causing the frame of the lower sash to move into the plane of the upper sash and close the joint between the sashes.

1,636,807. WINDOW. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed July 14, 1923. Serial No. 651,506. 6 Claims. (Cl. 189—72.)



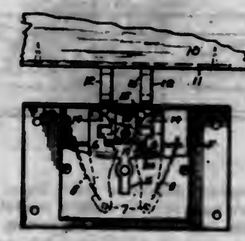
1. A window-frame and sash construction comprising jambs, sashes adapted to slide in said jambs with their frames in different planes and to move into such a position when the window is closed that their frames will lie in a common plane, cooperating members forming fixed portions of the lower sash and the jambs respectively, adapted as the lower sash is moved down, automatically to cause the meeting rail of the lower sash to be moved into the plane of the upper sash and adapted when the lower sash is in closed position to hold the upper part of the lower sash against substantial movement resulting from horizontal pressure exerted on the front (outside) face of the lower sash, automatic means for causing the lower part of the lower sash to be moved into the plane of the upper sash as the window is closed, and meeting rails on the sashes of such shape as to form a joint between the sashes when the window is closed, and of such shape as to permit the initial opening movement of the lower sash to be substantially vertical.

1,636,808. FORGING BALLS FROM LONG BARS. ABEEL CANDA, Cranford, N. J. Filed May 12, 1924. Serial No. 712,859. 3 Claims. (Cl. 80—23.)



1. The method of forging balls, which consists in axially rolling a heated metal bar and grooving it progressively from one end into a connected series of elements of cylindrical frustro-conical configuration, subjecting the metal to a kneading action and simultaneously causing the displaced metal to flow oppositely from the grooves, severing the metal at the grooves into separate elements, subjecting the elements to a spiral rolling motion and simultaneously compacting and shaping them into true spherical bodies.

1,636,809. SPRING LOCK. WILLIAM DE GROOT, Ogden, Utah. Filed Oct. 20, 1926. Serial No. 142,936. 2 Claims. (Cl. 70—27.)



1. A lock of the character described comprising a body portion, a pair of spring actuated tumblers pivoted for swinging movement at their lower ends and beveled at their upper ends, keepers adapted to be engaged by the upper ends of said tumblers, there being a keyhole in said body portion adapted to receive a key to force said tumblers apart by turning movement, and a vertically slidable latch operable manually and wholly independent of the action of said key upon the tumblers from the exterior of the lock, in such manner as to hold said tumblers apart, after they are brought to open position.

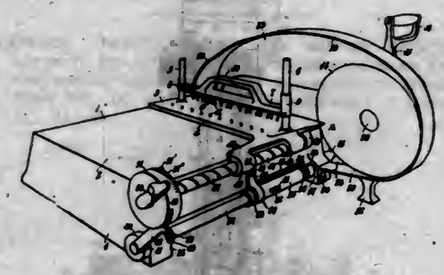
1,636,810. ROLLING COLTER. FREDERICK L. DEWEY, Canton, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Dec. 2, 1926. Serial No. 152,098. 7 Claims. (Cl. 97—209.)



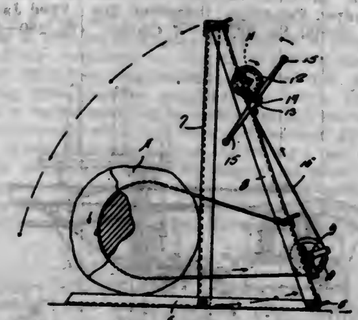
2. In a rolling colter construction, a colter disk, an arbor bolt about which the disk is rotatable, bearing members interposed between the bolt and the disk for rotatably mounting the latter, the arbor bolt being formed with an abutment near one end, a removable support engaging the abutment, said support forming a relatively permanent stop against which the bearing members are adjusted, and means screw threaded upon the bolt near its other end for adjusting the members against said stop.

1,636,811. SLICING MACHINE. WILLIAM H. DONALD, Cincinnati, Ohio, assignor of one-half to John P. Jagy and one-half to Carl Kloss, Cincinnati, Ohio. Filed Sept. 17, 1925. Serial No. 56,976. 8 Claims. (Cl. 146—103.)

1. In a slicing machine, a support, a cutting member mounted on said support for movements in alternate directions, a carrier movable on said support, a screw operatively engaging said carrier, an arm swung in alternate directions incident to the movements of said cutting member, and a ratchet geared to said arm and operatively connecting said arm to said screw, whereby said screw is turned in one direction only, to move said carrier in one direction, incident to swinging of said arm in alternate directions.



1,636,812. CUTTING DEVICE. ROY W. DONOVAN, Kansas City, Mo. Filed Jan. 18, 1927. Serial No. 161,936. 1 Claim. (Cl. 25—105.)

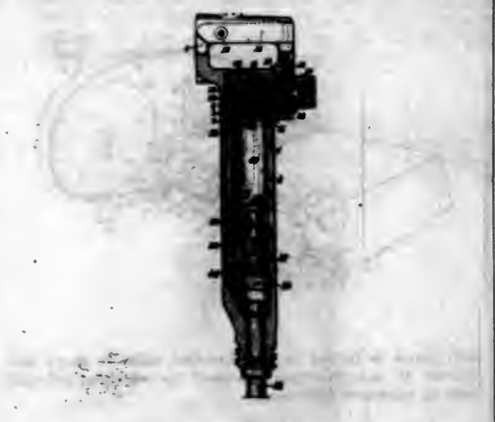


In a cutting device of the class described, a pair of spaced parallel co-extensive horizontal bars, a pair of vertical bars one rising from the intermediate portion of each horizontal bar to be perpendicular thereto, a pair of slanting bars rising from the ends of the horizontal bars, means for attaching the upper ends of the slanting bars to the upper ends of the vertical bars, a drum journaled between the upper portions of the slanting bars, a pulley, means for supporting the pulley between the lower portions of the slanting bars, and an anchor on the slanting bars between the drum and the pulley, a cable having one end fixed to the anchor and trained over the pulley and windable about the drum whereby an article supported on the horizontal bars may be received in a loop formed with the wire and upon the winding of the wire on the drum said article will be drawn against the vertical bars and the wire drawn through the article to cut the same.

1,636,813. PERCUSSIVE PNEUMATIC TOOL. GUIDO ELSTER, Herne, Germany. Filed Aug. 28, 1926. Serial No. 132,233. 3 Claims. (Cl. 121—18.)

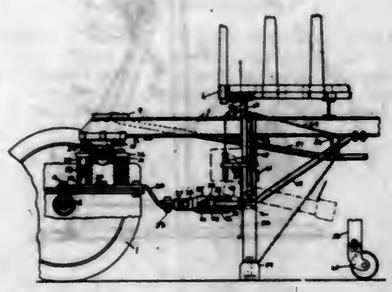
1. A percussive pneumatic tool comprising a working cylinder, a percussion piston, a rigid valve-seat, a sliding

valve-seat, a valve arranged between said valve-seats, and means arranged on said sliding valve-seat and adapted to operate the latter by a part of the charge to interrupt



the inflow of motive fluid into the active cylinder-chamber before said percussion piston has opened the exhaust thereof.

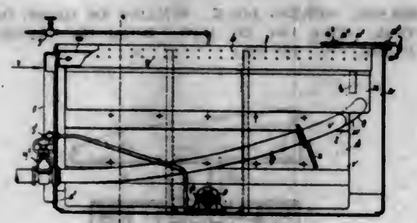
1,636,814. MOTOR-VEHICLE TRAILER CONNECTION. ALEXANDER FEIGELSON, Beaumont, Tex. Filed July 14, 1925. Serial No. 43,470. 7 Claims. (Cl. 280—33.1.)



1. In a motor vehicle including a tractor having a gear housing and driving axle, and a trailer connected therewith, the combination of a draw yoke on said gear housing above said axle, a supporting transom plate mounted resiliently above said yoke, and means adapted to allow oscillation of said spider on horizontal axes and at right angles to each other, a trailer reach supported rotatably on said plate, means allowing a sliding of said reach relative to said plate, and a draw bar on said yoke below said reach detachably connected with said trailer.

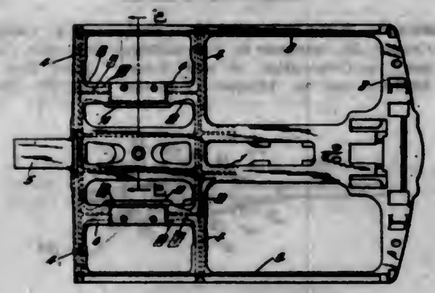
1,636,815. APPARATUS FOR SEPARATING FUEL AND OTHER OILS FROM WATER CONTAMINATED THEREWITH. EDWARD WILLIAM GREEN, London, and HERBERT OGDEN, Westcliff-on-Sea, England. Filed Aug. 14, 1925, Serial No. 50,204, and in Great Britain Aug. 26, 1924. 5 Claims. (Cl. 210—51.)

1. An apparatus for separating immiscible liquids from one another comprising a tank, channels in which the liquids tend to stratify arranged in the upper part of said tank, said channels being adapted to receive the admixed liquids for separation, perforations in the floor of each of said channels for permitting the liquid having the greater specific gravity to pass downwardly under the action of gravity, a series of perforations in a side wall of each of said channels for permitting the liquid having a less specific gravity to pass out from said channels on to the upper surface of the liquids in the tank, a discharge weir for the liquid having the greater specific



gravity, a conduit delivering such liquid to said weir from the lower part of said tank, a conduit for receiving the liquid from the weir and conducting it to the exterior of the tank, a discharge weir for the liquid having the less specific gravity and a conduit for receiving the liquid from the last named weir and conducting it to the exterior of the tank.

1,636,816. CAR PLATFORM. EINAR G. HALLQUIST, Edwardsville, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 25, 1925. Serial No. 46,153. 8 Claims. (Cl. 105—415.)

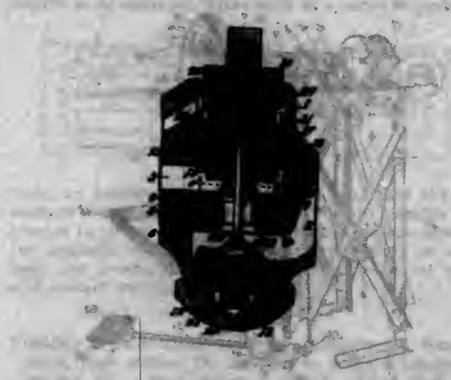


1. In a car platform, transverse transoms spaced from each other, a longitudinal side bearing arch extending between said transoms, there being a side bearing housing formed in said arch above the bottom thereof and opening downwardly.

1,636,817. DISPENSING FAUCET. GEORGE N. HEIN, San Francisco, FRANK L. PLATT, Berkeley, and ROBERT R. IMPEY, San Francisco, Calif. Filed June 19, 1926. Serial No. 117,012. 7 Claims. (Cl. 251—27.)

3. A dispensing faucet comprising a body provided with a discharge channel extending therethrough, a tubular valve seat within said channel provided with a conical face at one end, a valve stem mounted within said body for movement to and from said valve seat, a valve carried by the stem and provided with a cylindrical end having a transverse face for reception within said tubular seat

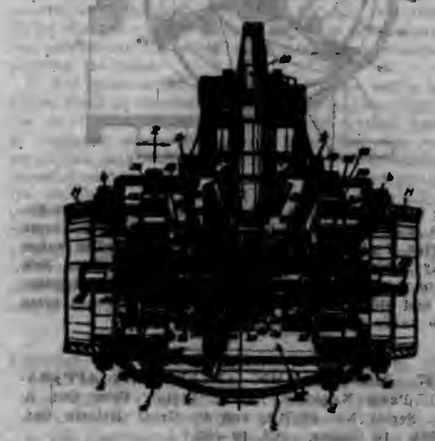
with a wiping contact on said conical face on the operation of said valve stem, said stem provided with a polygonal recess, said valve provided with a polygonal extension for reception within said recess, and means within said recess for engaging the extension for detachably uniting the parts.



1,636,818. PROCESS FOR THE TREATMENT OF HORN OR THE LIKE. FELIX HOMBERG, Barmen, Germany, assignor to American Nuplax Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 30, 1924, Serial No. 758,959, and in Germany Jan. 7, 1924. 12 Claims. (Cl. 99—11.)

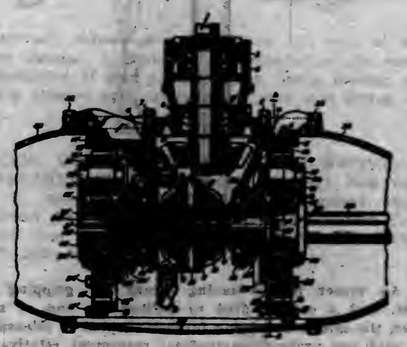
1. Process for the treatment of horn and the like more particularly for the production of digestible albumen, comprising, soaking horn with acid at a temperature below the boiling point of the acid, allowing the horn to stand, continuing both these steps for only such limited time that the horn is softened but not dissolved, then treating the horn with water, and then drying and comminuting the horn.

1,636,819. FINAL DRIVE FOR MOTOR TRUCKS. LOUIS C. HUCK, Chicago, Ill., assignor to Huck Axle Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 18, 1919. Serial No. 331,713. 10 Claims. (Cl. 74—99.)



1. A final drive for automotive vehicles comprising an axle housing having a driving mechanism carrier frame removably secured thereto, a driving mechanism comprising a speed change mechanism, a ring gear, a pinion in the plane of said ring gear and driven from said speed change mechanism, and planet gears meshing with said ring gear and pinion, said speed change mechanism, ring gear, pinion and planet gears being removable from the housing with said carrier frame as a unit.

1,636,820. FINAL DRIVE FOR MOTOR TRUCKS. LOUIS C. HUCK, Chicago, Ill., assignor to Huck Axle Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 16, 1920. Serial No. 358,905. 7 Claims. (Cl. 74—99.)



1. In a final drive for automotive vehicles of the type having a differential gearing mounted in a housing and operatively connected for driving a pair of stub axles, means extending longitudinally of the stub axles for holding them together longitudinally while permitting them to rotate relatively to each other, a planetary gearing operatively connected with each of said stub axles, each of said planetary gearing comprising a pair of plates rigidly connected together to contact at certain points and spaced apart between said points, gears carried in the spaces between the plates, said plates being driven by the planetary gearing and in turn driving an axle shaft.

1,636,821. ADJUSTABLE CAN OPENER AND LIQUID PRESERVER. SOREN JENSEN, Los Angeles, Calif. Filed Aug. 31, 1926. Serial No. 132,603. 6 Claims. (Cl. 220—51.)



5. A can opener as claimed in claim 4, having in addition an adjustable limit motion, means secured to the block and restricting the outward movement of the movable plate.

1,636,822. ERASER-HOLDING DEVICE AND THE LIKE. J E JOHNSON, Chicago, Ill., assignor to The Wahl Company, Wilmington, Del., a Corporation of Delaware. Filed May 23, 1921. Serial No. 471,549. 4 Claims. (Cl. 120—38.)



1. An eraser holder having means for gripping an eraser, and a cap adapted to enclose the end of said holder, the said means being further adapted to releasably lock said cap against longitudinal movement relative to said holder.

1,636,823. METHOD OF MARKING CAPSULES. KEITH K. KELLER, Minneapolis, Minn. Filed Dec. 11, 1926. Serial No. 154,158. 2 Claims. (Cl. 101—426.)



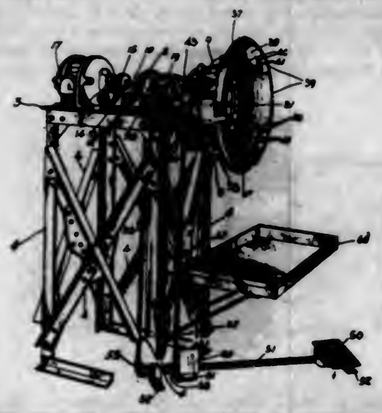
1. The method of marking a capsule with a visible insignia which includes the step of impressing upon the body of such capsule a heated die carrying a portion of wax like material, the impression of such die upon such capsule being insufficient to fracture or deform the capsule and the heat of such die being sufficient to cause a shallow depression in the material of such capsule.

1,636,824. FASTENER. ERNEST MELBERG, Norway, Iowa. Filed Aug. 23, 1926. Serial No. 130,979. 1 Claim. (Cl. 24—201.)



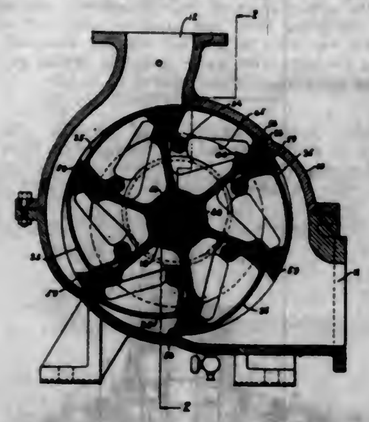
A fastener of the class specified, comprising a looped body having substantially parallel sides turned outwardly at the ends to form a head, the diverging parts being adapted to span a coil spring surrounding the body, a coil spring mounted on the body, and a flat key, mainly straight-sided, but beveled at the end and having a laterally turned head, the key being insertable in the loop and adapted to hold a fastened part between it and the head of the fastener.

1,636,825. MACHINE FOR TREATING TIRE CASINGS. GROVER C. MILLER, Los Angeles, Calif. Filed July 25, 1925. Serial No. 46,140. 14 Claims. (Cl. 91—60.)



1. A machine for lining tire casings comprising a rotatable member including an expansible group of sections adapted to be expanded to engage a tire casing and contracted to release the same, means for rotating said member including mechanism automatically operable in conjunction with the member for controlling the contraction and expansion of the sections.

1,636,826. PUMP. JOHN A. MORGAN, Los Angeles, Calif., assignor to The John A. Morgan Machinery Company, Los Angeles, Calif. Filed Dec. 6, 1924. Serial No. 754,298. 9 Claims. (Cl. 103—140.)



1. In a rotary pump, a tubular casing, a rotary mechanism in said casing including a hub having radial arms to provide a plurality of radial cavities, impeller vanes pivotally mounted to move entirely in said cavities, link means to move said vanes toward and from said tubular casing and side plates engaging the sides of said arms and the vanes to form chambers.

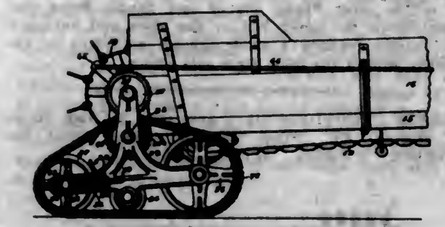
1,636,827. MONOGRAMMIC ADVERTISING APPARATUS. PREM NARAYAN, Bijnor, India. Filed Oct. 5, 1925, Serial No. 60,610, and in Great Britain Oct. 9, 1924. 10 Claims. (Cl. 40—52.)

1. A monogrammic advertising apparatus comprising a plurality of endless travelling belts, means for driving said belts, a plurality of buttons frictionally mounted on said belts, a plurality of fingers adapted to collect said buttons and to distribute them on the belts, electromagnets operating said fingers, a source of supply of electric current in circuit with said electro-magnets, a tape having the letters, figures, or designs forming the matter to be displayed in the form of a series of perfora-



tions, an insulated element in circuit with said electro-magnets over which said tape passes, a plurality of brushes in circuit with the electro-magnets which contact the insulated element through the perforations in said tape, and means for causing said tape to travel past said contact making brushes.

1,636,828. TRACTION MOTOR. LEONARD B. NEIGHBOUR, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 10, 1921. Serial No. 499,866. 12 Claims. (Cl. 275—5.)

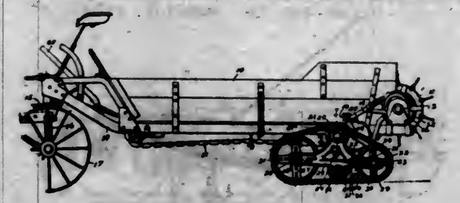


1. The combination with a vehicle frame and a rotary driven element mounted thereon, of means for driving said driven element comprising an endless chain having an elongated substantially straight portion engaging with the ground, front and rear wheels around which said chain travels, a frame in which said wheels are mounted and by which the weight of one end portion of the vehicle is sustained, said frame being pivoted to swing relatively to the vehicle frame about a transverse axis coincident with the axis of said driven element meanwhile maintaining the ground engaging portion of the chain in contact with the ground, and means mounted on and swinging with said pivoted frame and arranged to be engaged and driven by said chain, said means being operatively connected with said driven element for rotating the same.

6. The combination with a vehicle frame and a rotary driven element mounted thereon, of an endless chain having an elongated substantially straight portion constantly engaging with the ground, front and rear wheels supporting said chain, a frame in which said wheels are mounted and by which the weight of one end portion of the vehicle is sustained, said frame being pivotally suspended co-axially with said driven element at a point lying between the transverse vertical planes of the axes of said wheels, and a sprocket wheel mounted on the latter frame to swing therewith and driven by said chain, said sprocket wheel being operatively connected with said driven element.

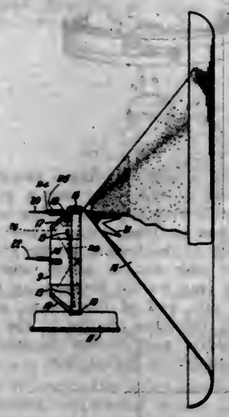
1,636,829. MANURE SPREADER. LEONARD B. NEIGHBOUR, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Oct. 19, 1921. Serial No. 508,706. 3 Claims. (Cl. 275—5.)

1. The combination with a vehicle frame, and a rotary driven element mounted thereon, of means for driving said driven element comprising an endless chain having an elongated substantially straight portion engaging with the ground, front and rear wheels around which said chain travels, a frame in which said wheels are mounted and by which the weight of one end portion of the vehicle is sustained, said frame being pivoted to oscillate relatively to the vehicle frame about an axis disposed



transversely thereof at one side of the axis of said driven element, a driving wheel mounted at the center of oscillation of said pivoted frame, and a driving connection between said driving wheel and said driven element.

1,636,830. CEMENT COMPOSITION AND METHOD OF PREPARATION. ALEXANDER M. NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1924. Serial No. 740,746. 13 Claims. (Cl. 252—1.)



4. The method of preparing a cement composition which comprises heating a mixture of water and sodium potassium tartrate, and super-cooling said heated mixture.

1,636,831. SETTING TOOL FOR EXPANSION SHIELDS. RALPH E. OGDEN, Mountainville, N. Y., assignor to John Edward Ogden, Mountainville, N. Y. Filed Oct. 31, 1922. Serial No. 598,125. 6 Claims. (Cl. 29—88.2.)



3. An expansion tool having a shank adapted to engage and actuate an expanding member and having a shoulder fixed on said shank and adapted to engage the element being expanded.

1,636,832. FISHING BAIT. JOHN B. PAGIN, South Bend, Ind., assignor to South Bend Bait Co., South Bend, Ind. Filed Oct. 30, 1925. Serial No. 65,872. 10 Claims. (Cl. 43—46.)



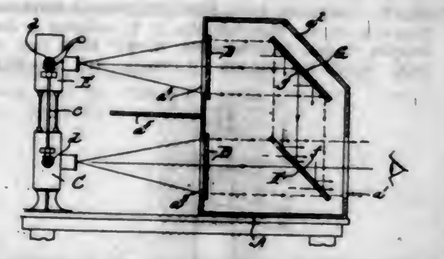
1. The combination with the forward end of a bait body, of a weight head carried thereby, said head being provided with an angling concave surface and its edge terminating coincident with the adjacent edge of the body.

1,636,833. PISTON RING. JOHN F. PANYARD, Detroit, Mich. Filed June 8, 1922. Serial No. 566,875. 1 Claim. (Cl. 74—109.)



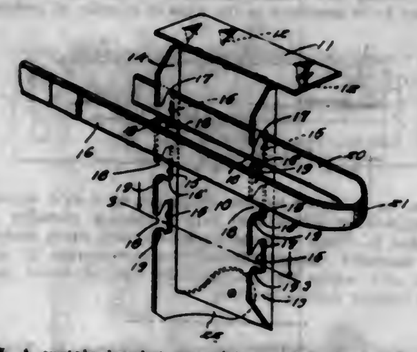
In piston packing, a piston having a groove for packing, packing in said groove comprising a pair of split expansible cooperating ring sections having helical meeting faces, one of said sections having a base flange substantially the width of the bottom of the groove seated therein, the other ring section seated upon the base flange of the first ring section between its helical face and the opposite side wall of the groove, one of said ring sections being rotatable relative to the other, and spring means engaging said section to exert rotatable pressure thereon counter its helical face.

1,636,834. ART OF EXHIBITING MOVING PICTURES. THOMAS K. PETERS and THOMAS C. BARTLAM, New York, N. Y. Filed Oct. 23, 1920, Serial No. 418,904. Renewed Jan. 11, 1926. 8 Claims. (Cl. 88—16.6.)



1. In a picture exhibiting machine, a plurality of screens, one of which is normally exposed to view, a plurality of projectors for throwing pictures on the screens, a transparent mirror in the plane of that screen which is normally exposed to view, and means for reflecting the pictures thrown on the other screen onto said transparent mirror.

1,636,835. COMBINED CURTAIN AND SHADE HOLDER AND ROD FOR USE THEREWITH. JOHN RASP, McKeesport, Pa. Filed Feb. 12, 1927. Serial No. 167,763. 6 Claims. (Cl. 156—22.)



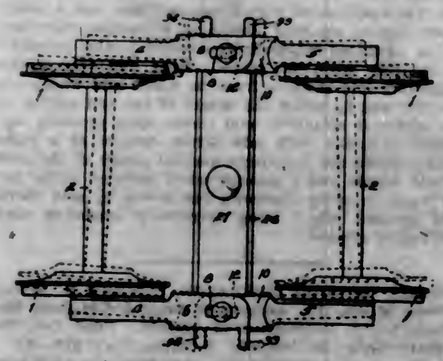
5. A curtain bracket comprising a plate having flanges on its side edges, said flanges having coacting openings for the reception of a rod, the opening of one flange being vertically offset with relation to the coacting opening of the other flange, one of said flanges being continued below the lower end of the plate and having a continuation forming a shade bracket extending to the opposite side of the plate from said flanges.

1,636,836. TOOTHBRUSH. AUGUSTUS R. LEE READ, Covington, Ky. Filed May 10, 1926. Serial No. 108,093. 2 Claims. (Cl. 15—193.)



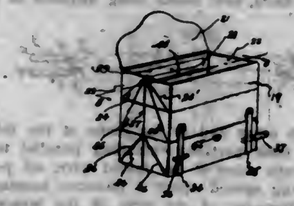
1. A tooth brush comprising an elongated body having a head portion provided with openings therethrough, said body having a longitudinal recess, a back having a ridge arranged in said recess for centering said back with respect to the body portion and having a head portion arranged to register with the head portion of the body, bristle tufts having loops arranged in the openings, and cementing material securing said back to said body.

1,636,837. CAR TRUCK. DAVID R. RICHARDS, St. Louis, Mo. Filed Aug. 14, 1926. Serial No. 50,190. 7 Claims. (Cl. 105—165.)



1. A side frame for four wheel car-trucks comprising two substantially like sections having slotted hinge connection at their inner ends for flexibly uniting said sections.

1,636,838. COLLAPSIBLE HAND BAG. MATHIAS F. ROSSE, Detroit, Mich. Filed Apr. 15, 1925. Serial No. 23,231. 3 Claims. (Cl. 190—43.)



1. A hand bag of the class described, comprising a foldable bottom and foldable side and end walls, for permitting the folding of the bag into a form to provide a portfolio; a separable member having a main body portion substantially the same size as the bottom of said hand bag and adapted to lie in engagement therewith, when placed in said hand bag; flaps swingably mounted on opposite sides of said main body portion, said flaps being jointly of greater length than said main body portion and foldable upon themselves, said flaps being adapted for raising into an upright position, when positioned in said hand bag for retaining the end walls of said hand bag in distended form, and for permitting the cover of said hand bag to be closed, said flaps being foldable upon themselves, to permit the closing of said hand bag to provide a hand bag of different sizes; clips mounted on said side walls for engaging said flaps when extended to upright position, said clips being adapted for engaging a double thickness of said flaps, when said flaps are folded upon themselves.

1,636,839. HEADER FOR PAILS. HERBERT SCHRADER, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware. Filed Aug. 19, 1926. Serial No. 130,207. 5 Claims. (Cl. 113—25.)



1. In a header for sheet metal containers, a stationary hollow head adapted to receive within its embrace the ends of a container to be headed, a shaft having an end extended into and rotatable in said head, a plate carried by said end of the shaft and rotatable within said head, gibs carried by the face of said plate and forming radial guideways, a member slidably mounted in each of said guideways, yieldable means normally maintaining said members in inwardly moved positions, cover expanding rollers carried by said members, a rod extending through said shaft, means carried by said rod and movable with the latter for actuating said members to carry said rollers into expanding relation to said cover, and means for actuating said rod, said rod and said shaft being relatively independent in operation.

1,636,840. ELECTRIC LOCOMOTIVE TRUCK. WILLIAM M. SHERMAN, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed June 9, 1926. Serial No. 114,744. 7 Claims. (Cl. 105—84.)



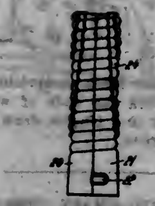
7. A one piece casting comprising an electric locomotive truck frame including wheel pieces, pedestals, cross ties, end rails with draft pockets, brake lever and hanger brackets, there being integral pole pieces provided on said cross ties and end rails.

1,636,841. SHUTTLE. LEWIS P. SPENCER and WILLIAM H. WILSON, New Bedford, Mass. Filed May 19, 1926. Serial No. 110,153. 10 Claims. (Cl. 139—222.)



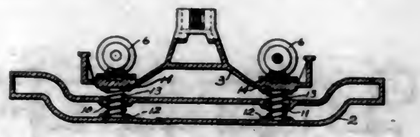
10. In combination with a shuttle having a cut-out, a porcelain member seated in the cut-out, means engaging the top of the member and the bottom of the shuttle to clamp the member in the cut-out, an upper member overlying the lower member and the clamping means thereof, and means to secure the upper member in position, said members having cooperating thread engaging means.

1,636,842. EXPANSION SHIELD. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Dec. 20, 1922. Serial No. 607,966. 6 Claims. (Cl. 85—2.4.)



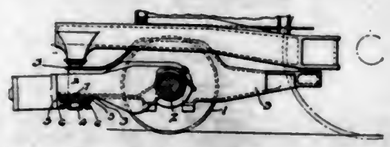
4. An expansion shield comprising a pair of sections, each section having secured to its outer surface intermediate and spaced from the longitudinal edges thereof a plurality of layers of excess metal.

1,636,843. BOOSTER-MOTOR SUPPORT. CHARLES T. WESTLAKE, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 17, 1924. Serial No. 726,553. 10 Claims. (Cl. 105—139.)



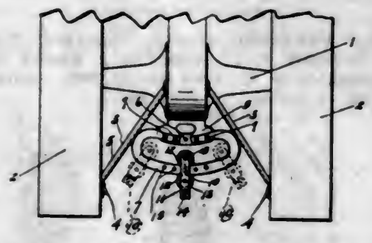
1. In a locomotive, a trailer truck including an axle and a frame, a booster motor mounted on said axle and at spaced points on itself and on said frame so as to be free to move with said axle independently of movement of said frame.

1,636,844. BOOSTER-MOTOR SUPPORT. CHARLES T. WESTLAKE, deceased, St. Louis, Mo., by Lilian A. Westlake, administratrix, Palestine, Tex., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Original application filed July 17, 1924, Serial No. 726,553. Divided and this application filed Nov. 10, 1926. Serial No. 147,483. 12 Claims. (Cl. 105—139.)



1. In a locomotive, a trailer axle, a booster motor operatively connected to said axle, and a leaf spring disposed substantially parallel with and spaced from said axle beneath said motor and supporting the latter.

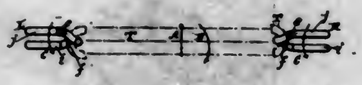
1,636,845. FLOATING TRACTOR HITCH. WILLIAM WIELAND, Bay City, Mich., assignor of one-half to John Kohler Mohr, Bay City, Mich. Filed Sept. 8, 1925. Serial No. 54,946. 4 Claims. (Cl. 280—33.44.)



1. A floating tractor hitch comprising a substantially circular one piece track the ends of which are adapted to be secured directly to a tractor draw-bar and a trolley mounted to float thereon.

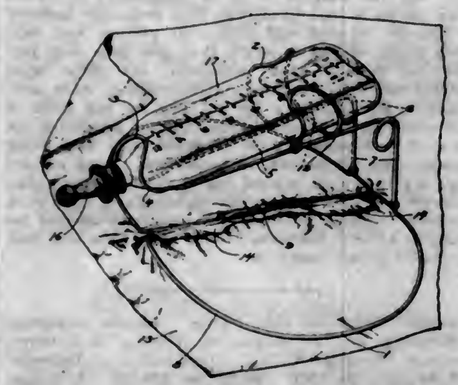
1,636,846. NONSKID CHAIN FOR AUTOMOBILES. FRED BOND, Montreal, Quebec, Canada, assignor to Fred Bond and Joseph Bond, Montreal, Canada. Filed May 19, 1926. Serial No. 110,169. 4 Claims. (Cl. 59—90.)

1. A self-locking connecting link for antiskid chains for automobile tires consisting of a single piece of hardened wire folded on itself midway of its length, the respective sides of the wire being offset in opposite directions at right angles to the plane of the fold and in close proximity to the latter, each side of the wire being bent to elongated hook form and the ends of the hooks terminating at the offsets, said hooks being disposed in planes



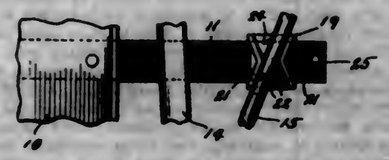
parallel to each other and to the plane of the fold and the bent back hook portions extending parallel to each other and to both sides of the folded wire, all portions of the link being spaced apart a distance substantially equal to the diameter of the wire of the largest link engaged.

1,636,847. NURSING-BOTTLE HOLDER. MARCIUS S. BULKLEY, San Francisco, Calif. Filed June 3, 1924. Serial No. 717,534. 5 Claims. (Cl. 248—65.)



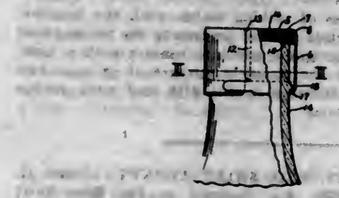
3. A bottle holder comprising a wire frame having a large supporting base and a bottle supporting portion disposed above the base transversely thereof and including two elongated spaced portions of wire adapted to supportingly receive a bottle longitudinally therebetween, the said wire portions having means at the free end thereof for engaging the neck of a bottle and supporting means at the other end comprising spring coils connected to the base by upright wire portions, the construction being such that the free end of the bottle supporting portion is supported for resilient vertical movement, and means cooperating with the said wire portions remote from the free end thereof for cooperating with the body of the bottle.

1,636,848. TWO-WAY BRAKE-BEAM SUPPORT CHAIR. EDWIN G. BUASS, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 26, 1924. Serial No. 734,203. 14 Claims. (Cl. 188—213.)



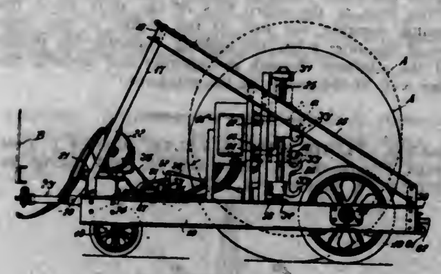
11. A reversible support for brake beams adapted to be slidably arranged on a track and engage the tension member of a brake beam, and removable means carried by the support and cooperating with the track to hold said support against displacement from said track.

1,636,849. BOTTLE CAP. LESLIE R. N. CARVALHO, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a Corporation of Ohio. Filed June 9, 1924. Serial No. 718,756. 3 Claims. (Cl. 215—38.)



1. A cap for a container, comprising a button or top portion and a body portion formed of separate pieces of sheet metal; said button being formed with an inner annular downwardly projected bead adjacent the periphery of the button, and an outer annular bead surrounding and extending upward from said first mentioned bead, the outer wall of said outer bead being extended vertically downward to form a peripheral flange on the button extending into the body portion; said body portion being formed of a strip having its ends united in an interfolded seam terminating a short distance below the upper edge of said body, the upper edge portion of the body being curved inwardly and downwardly to embrace the outer bead of the button and frictionally hold said top and body portions together, permitting them to be assembled or separated solely by a relative endwise movement.

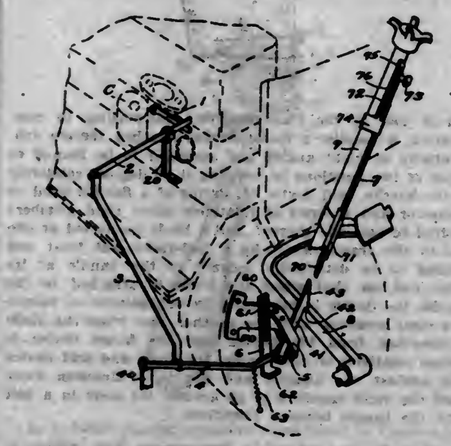
1,636,850. LIFTING TRUCK. WILLIAM C. CHILDRESS, Chicago, Ill., assignor to Mercury Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1924. Serial No. 704,667. 12 Claims. (Cl. 214—65.)



1. A wheeled truck comprising a U-shaped frame having two side members spaced apart to receive between them the article to be lifted, each of said side members being composed of two parallel bars spaced apart, transverse end members connecting said side members together at one end, a supporting wheel at each side of the frame mounted between the bars of said side members, laterally swinging wheels supporting the forward portion of the frame, a gear housing at each side of the frame mounted between the bars of said side members, upright screw-threaded shafts extending from said gear housings at each side of said frame, lifting members having threaded engagement with said shafts and movable vertically thereof by the rotation of said shafts, thrust bearings in said gear housings supporting said shafts, a bevel gear on each of said upright shafts within each gear housing, longitudinally extending shafts mounted on said side members between the parallel bar thereof, the rear ends of said latter shafts entering said gear housings, bevel pinions on said longitudinally extending shafts meshing with the bevel gears in said housings, worm wheels on the forward ends of said longitudinally extending shafts, a transverse shaft mounted on the front portion of said frame, worms on the ends of said transverse shaft meshing with said worm wheels, and means for rotating said transverse shaft.

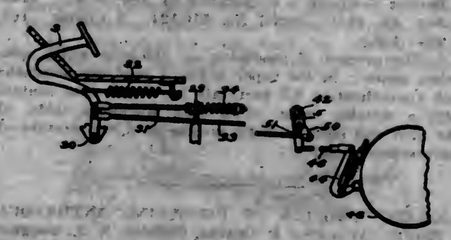
11. A wheeled truck comprising a frame having two side members spaced apart to receive between them an article to be lifted, each of said side members being composed of bars spaced apart, a transverse end member connecting said side members together at one end, transverse members connecting together the rear ends of the side bars of each side member, channel strips secured to the latter transverse members, and a transverse bar fitted in and detachably secured to said channel strips.

1,636,851. AUTOMATIC CARBURETOR-FEED CONTROL. CHARLES W. COLLINS, Seattle, Wash. Filed Aug. 20, 1926. Serial No. 130,420. 6 Claims. (Cl. 192—3.)
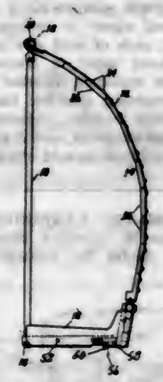


5. In an automobile, the combination with gasoline supply controlling means, an operating lever for said means having one end adjacent a brake lever and a pawl carried by said lever and adapted to be engaged by the brake lever to operate said gasoline controlling means to supply gasoline by the releasing movement of the brake lever, and a member movable into position to engage said pawl to thereby prevent engagement thereof by the brake lever.

1,636,852. BRAKE-OPERATING MEANS. GUY E. COLLINS, Seattle, Wash., assignor to Charles W. Collins, Seattle, Wash. Filed Oct. 28, 1926. Serial No. 144,680. 2 Claims. (Cl. 188—140.)



1. In a brake operating mechanism for automobiles, a brake operating lever, two sets of brake actuating members connected with and extending from said brake lever, one of said sets of brake actuating members containing a lever arm composed of two pivoted members having limit stops making a delayed engagement whereby to delay the actuation of the brake until after the other set has been brought into action.

1,636,853. TOOL. CHARLES E. CONNER, Auburn, Me. Filed May 8, 1922. Serial No. 559,185. 6 Claims. (Cl. 145—33.)



2. A tool of the class described comprising, in combination, a handle, a frame device attached thereto substantially at right angles and arranged to be turned to either of two positions by twisting it 90 degrees relatively to the handle, said device consisting of a flexible band or connector and a series of relatively short rigid members secured to one side thereof, and a blade connected at one end to the frame device by a ball-and-socket joint and formed to be detachably secured to the handle at its other end, so that when the blade is attached to the handle the device is held rigid by engagement of successive rigid members with one another, and when the blade is detached from the handle and the frame device is turned relatively to the handle, the blade and said device fold against one another and flex in a direction away from the rigid members to go around the body in a belt with the handle hanging therefrom.

1,636,854. CATALYTIC OXIDATION OF AROMATIC HYDROCARBONS. AUGUSTUS E. CRAVER, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Nov. 14, 1921. Serial No. 514,903. 15 Claims. (Cl. 260—136.)

1. The process which comprises passing an aromatic compound, containing a CH_3 group, in the vapor phase in the presence of an oxygen-containing gas into contact with a catalyst comprising molybdenum and uranium.

1,636,855. PRODUCTION OF AROMATIC ALDEHYDES. AUGUSTUS E. CRAVER, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,124. 3 Claims. (Cl. 260—136.)

1. The process of producing an aldehyde which comprises passing, in the vapor phase, 1 part pseudocumene and approximately 8.3 parts air by weight into contact with a metallic oxide, other than vanadium oxide, of the fifth and sixth periodic groups, at a temperature of approximately 550° C.

1,636,856. PROCESS OF PRODUCING ANTHRAQUINONE. AUGUSTUS E. CRAVER, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Dec. 5, 1921. Serial No. 520,142. 6 Claims. (Cl. 260—57.)

4. The process of producing anthraquinone, which comprises passing anthracene in the vapor phase and an oxygen containing gas into contact with a catalyst comprising oxides of uranium and molybdenum, the oxide of uranium predominating.

1,636,857. PRODUCTION OF MALEIC ACID. AUGUSTUS E. CRAVER, Cleveland, Ohio, assignor to The Barrett Company, a Corporation of New Jersey. Filed May 23, 1923. Serial No. 641,011. 9 Claims. (Cl. 260—116.)

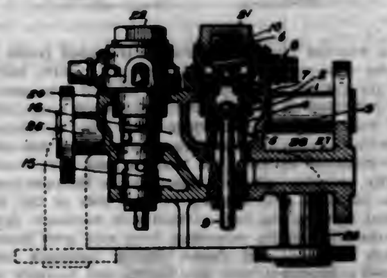
1. In the process of making maleic acid, the improvement which comprises passing benzene in the vapor phase and an oxygen containing gas into contact with a catalyst, said catalyst containing a mixture of at least two oxides of metals included in the fifth and sixth groups of the periodic system.

1,636,858. SHIRT AND SHIRT POCKET. JOHN H. CRONIN, Louisville, Ky., assignor to The Enro Shirt Company, Louisville, Ky., a Corporation of Kentucky. Filed Nov. 16, 1925. Serial No. 69,287. 3 Claims. (Cl. 2—248.)



1. The method of attaching pockets to shirts with invisible stitches, which consists in forming a pocket, providing a pocket opening in the shirt, securing a reinforcing tape to the outer face of the shirt above the opening, securing one wall of the pocket to the outer face of the shirt below the opening, inverting the pocket and the reinforce through the opening and securing the other wall of the pocket to the reinforce.

1,636,859. FLUID-CONTROL VALVE. GEORGE P. DEMPSEY, Pittsburgh, Pa. Filed Aug. 23, 1926. Serial No. 130,735. 2 Claims. (Cl. 137—144.)



1. In valve mechanism for controlling the flow of fluid under pressure, the combination of fluid supply and fluid delivery passageways, two valves arranged one in each passageway, two pneumatically operated motor elements to which the two said valves are severally connected, and means for relieving simultaneously the pressure to which the said motor elements are upon one side subjected.

1,636,860. METHOD FOR THE PRODUCTION OF A COLD GLAZE UPON BUILDING MATERIAL, SUCH AS CONCRETE, SANDSTONE, CLAY, BRICKWORK, AND THE LIKE. KARL FRIEDRICH, Breslau, Germany. Filed Oct. 8, 1921. Serial No. 506,365. 1 Claim. (Cl. 91—68.)

A method for producing in the cold state a permanent thin glaze-like coating on building material consisting in preparing a mixture of cement, water and an emulsion of zinc soap, and in painting the building material with a thin coating of this liquid.

1,636,861. DENTAL FORCEPS. PIERRE BERTRAND JACQUES GRIVEAU, Paris, France. Filed Jan. 25, 1926, Serial No. 83,693, and in France Aug. 21, 1925. 1 Claim. (Cl. 32—34.)



Dental-forceps for the extraction of the lower molar teeth of six to twelve years growth consisting of a pair of pliers with double jaws, each jaw comprising a middle notch between two gripping members integrally formed, said notch adapted to contain without damaging it the upper part of the inter-alveolar wall, while both gripping members seize the roots under the crown of the tooth.

1,636,862. PROPELLING PENCIL. EGON HARRINGER, Barcelona, Spain. Filed Mar. 12, 1923, Serial No. 624,626, and in Spain Dec. 29, 1922. 2 Claims. (Cl. 120—18.)



1. A magazine pencil all the parts of which are connected with one another without soldering, comprising in combination a casing, a rotatable sleeve having an annular groove at its rear end and longitudinal opposite slits in its forward end, a pushing pin in said rotatable sleeve, a cap closing the rear end of said casing, a coupling sleeve screwed into the front end of said cap, straight inner shoulders in the front end of said coupling sleeve, straight bearing faces on the rear end of said rotatable sleeve, an intermediate sleeve on the rear end of said rotatable sleeve bearing with its rear end on said coupling sleeve, a cylindrical piece on the forward end of said intermediate sleeve engaging with an annular groove of said rotatable sleeve, a slit rear end on said pushing pin and a cross head threadably engaging in said rotatable sleeve and said rear end of said pushing pin and engaging with the internal threads of said threaded sleeve.

1,636,863. HAND PLANING MACHINE. GOTTFRIED JEHLE, Zurich, Switzerland. Filed Aug. 27, 1925. Serial No. 52,916. 3 Claims. (Cl. 144—117.)



1. A hand planing machine comprising in combination a casing open at one end, a handle on said casing, a knife cylinder of solid cross section, mounted on said casing, an axle of said knife cylinder journalled in the closed end of said casing so that its end projects from said casing, a flexible shaft driven from a suitable source of power, means for coupling said flexible shaft with said axle of the knife cylinder, two bearing faces on said casing tangentially to the same for guiding said machine on the workpiece one of said bearing faces being adjustable and consisting of a plate, bolts engaging with said casing fixedly holding said plate on said casing, and springs acting upon said bolts to press said plate against said casing.

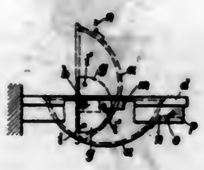
1,636,864. MECHANICALLY-MOVED TOY. ERNST KEPPNER, Nuremberg, Germany, assignor to the Firm Blechspielwarenfabrik Johann Distler, Nuremberg, Bavaria. Filed Oct. 23, 1926, Serial No. 143,652, and in Germany Jan. 13, 1926. 2 Claims. (Cl. 272—31.)



1. A mechanically operated toy comprising in combination a base plate, two toy figures on said base plate, a clockwork, a supporting arm for one of said toy figures rigid with and operated from said clockwork, a supporting arm for the other toy figure loosely connected to said clockwork, a two-armed adjusting lever, a pressure or brake plate on the outer end of one of the arms of said

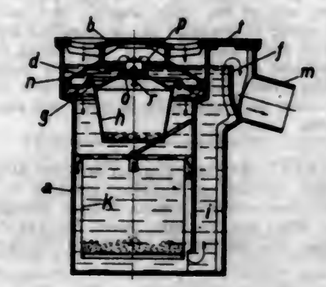
adjusting lever, means for operating said adjusting lever from the outer side, a spring controlled slide shiftable on said loose supporting arm, a sickle-shaped two-armed coupling lever pivotally mounted on said fixed supporting arm, a pin on the inner end of said slide adapted to come into the range of said coupling lever, a brake arm at the free end of the second arm of said adjusting lever, a brake nose on said brake arm and adapted to act upon said coupling lever so that, if said adjusting lever is operated said brake arm releases said coupling arm and said slide is pushed back by said pressure or brake plate and said pin of said slide comes out of the range of said coupling lever whilst when said slide is released said coupling lever catches said pin and pulls said loose supporting arm gradually towards said fixed supporting arm until both supporting arms are stopped by said brake nose.

1,636,865. WASHING BASIN. ROBERT OSKAR KRASSELT, Leipzig, Germany. Filed Mar. 4, 1927, Serial No. 172,789, and in Germany Oct. 6, 1926. 3 Claims. (Cl. 4—169.)



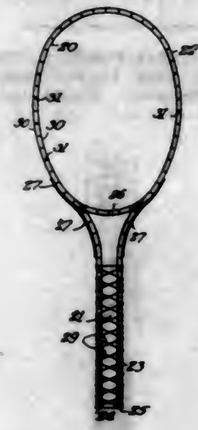
1. Tippable washing-basin for public use, comprising in combination with a basin proper oscillatably mounted in a table plate by eccentric journals, a counting mechanism, means for operating said counting mechanism from the oscillating basin, and means for locking the basin in the position of use and in the emptying position said means to be unlocked wtih the aid of a special key.

1,636,866. BENZINE AND OIL SEPARATOR. ADOLF KUTZER, Leipzig, Stuns, Germany. Filed Feb. 26, 1926, Serial No. 90,809, and in Germany Mar. 6, 1925. 2 Claims. (Cl. 210—56.)



1. A sink-water trap for separating specifically lighter liquids, such as oil and benzine, from the sewage water, comprising in combination with the trap proper having a lid and also an overflow edge in one side, a dip bell downwardly projecting from the lid of said trap, a downwardly directed vertical partition in said trap separating the overflow edge of said trap from said dip bell said partition ending a certain distance above the bottom of said trap, a mud box in the lower portion of said trap, cross arms on the bottom edge of said dip bell, a vessel suspended on said cross arms designed for collecting the specifically lighter liquids and having its open top edge situated approximately on the same plane as said overflow edge of the trap, and a sluice insertion adjustably mounted in the open top end of said vessel for increasing the height of the lever of specifically lighter liquids under said dip bell.

1,636,867. TENNIS RACKET. ROY H. ROBINSON, Chicago, Ill. Filed June 26, 1924. Serial No. 722,453. 28 Claims. (Cl. 273—73.)



9. In a racket, a substantially oval head of molded material reinforced with an open-work stiffening frame, a handle connected to said head, and stringing woven through said head.

1,636,868. DOOR LATCH. WERNER SCHLEGEL, Pegau, Germany. Filed Jan. 2, 1926, Serial No. 78,985, and in Germany Jan. 7, 1925. 5 Claims. (Cl. 292—169.)



1. A spring-bolt latch comprising in combination a bolt designed to serve as latch bolt and as locking bolt and having a long notch and an indentation in its lower edge and a long notch and an indentation in its upper edge, a spring controlled tumbler normally engaging with said long notch in the upper edge of said bolt, a spring controlled bolt nut rotatably mounted under said bolt, two arms upwardly projecting from said bolt nut one at the front end and the other at the rear end said first arm engaging normally with said long notch in the lower edge of said bolt so that this bolt if serving as latch bolt is secured by said tumbler engaging with said long notch in the upper edge of said bolt, and a downwardly directed extension of said tumbler extending behind said bolt so that if said latch is rotated said second arm of said latch nut engaging with the indentation in the lower edge of said bolt lifts said extension and through it said tumbler and advances said bolt into the locking position said tumbler coming then into engagement with said indentation in the upper end of said bolt to securely hold said bolt in the locking position.

1,636,869. BRACELET FASTENER. KARL AUGUST SCHAEFER, Pforzheim, Germany. Filed June 5, 1926, Serial No. 113,945, and in Germany Apr. 19, 1926. 3 Claims. (Cl. 24—69.)



1. A contrivance for fastening bracelets or wrist bands comprising in combination with the bracelet or wrist band, an eye fixed to one end of the bracelet or wrist band, a U-shaped bow fixed to the other end of the bracelet or wrist band, a casing shiftably mounted on said U-shaped bow and having an indentation in the outer surface of each side wall, spiral springs in said casing acting upon said bow, an extension at the front end of the bottom plate of said casing, a hinge at the front end of said extension, a flap hingedly fixed on said extension by means of said hinge, a clamping piece at each side of said flap and of similar shape as said indentations in the side walls of said casing, said flap being designed to be inserted through said eye to pull said eye over said hinge when said flap is closed.

1,636,870. FOLDABLE COMB. HEINRICH SCHOLL, Pforzheim, Germany. Filed June 21, 1926, Serial No. 117,553, and in Germany Nov. 21, 1925. 1 Claim. (Cl. 132—15.)

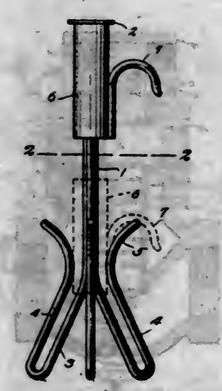
A folding comb comprising in combination with the two halves, a double hinge connecting with one another said two comb-halves and sunk into the comb back which has a longitudinal groove in one of its surfaces, a slide of U-shaped section shiftably mounted on said comb back, and a rib on the inner surface of said slide and engaging with said groove in the comb back.

1,636,871. HOLDER FOR BALLS OF THREAD. ALBERT SEIBOLD, Muhlacker, near Pforzheim, Germany. Filed Sept. 17, 1926, Serial No. 136,183, and in Germany Sept. 15, 1925. 1 Claim. (Cl. 242—141.)



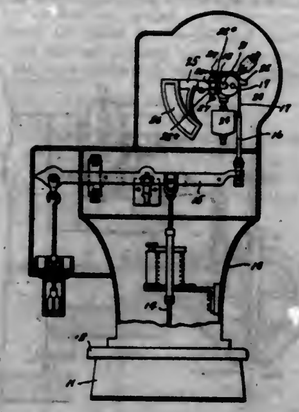
A holder for a ball of thread comprising in combination a central axle composed of two sleeves the lower sleeve being telescoped into the upper sleeve, a spiral spring in said sleeves for pulling the lower sleeve into the upper sleeve, a disk fixed by a screw on the top end of said upper sleeve, an eye on said disk, and a disk fixed by a screw on the bottom end of said lower sleeve.

1,636,872. DIPPING SHACKLE. GEORGE F. SEIDEL, FRITZ O. SALTS, and LOUIS E. WHITCOMB, Fremont, Nebr. Filed May 9, 1927. Serial No. 190,028. 3 Claims. (Cl. 17—44.)



1. A shackle of the class described including a shank, poultry supporting loops at one end of the shank, a retaining sleeve slidable on the shank into and out of the loops, and a support engaging member carried by the sleeve.

1,636,873. ECCENTRICALLY-ADJUSTABLE CAM FOR SCALES. LOUIS S. SHIVELY, University City, Mo., assignor to The Weightograph Company, St. Louis, Mo., a Corporation of Missouri. Filed June 16, 1925. Serial No. 37,476. 10 Claims. (Cl. 265—61.)

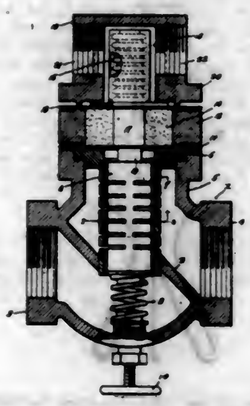


1. In a scale, the combination with a pivotally mounted weight indicating member, of a support in fixed relation with said indicating member, and a cam having a fixed segmental place carried by said support and fixedly adjustable laterally thereon for varying the eccentricity of said cam.

1,636,874. AUTOMATIC TEMPERATURE-ACTUATED REFRIGERANT-REGULATING VALVE. EARL ENGLER SNADER, Webster Groves, Mo. Filed June 9, 1926, Serial No. 114,726. 2 Claims. (Cl. 236—99.)

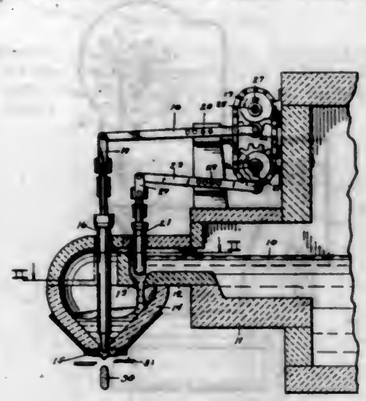
1. In an automatic regulating valve of the class described, a casing having a partition therein, a cylindrical valve guide extending through an opening formed in said

partition, said guide being provided with slots, a spring pressed valve sleeve slidably mounted in said guide and having slots cooperating with the first named slots, a



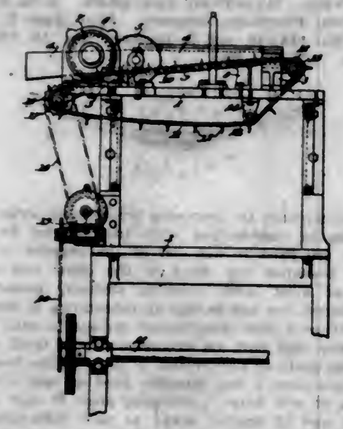
pair of spaced flexible diaphragms, a thermostat bearing on said valve sleeve through the medium of said diaphragms for moving the sleeve in a direction against the tension of the spring.

1,636,875. GLASS FEEDER. LEONARD D. SOUBIER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 5, 1924. Serial No. 696,937. 5 Claims. (Cl. 49—55.)



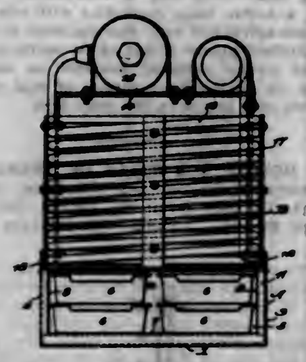
3. In glass feeding apparatus, the combination of a furnace for molten glass having an extension into which the glass flows from the body of the furnace, said extension having an outlet opening in the bottom thereof, a plunger projecting downward into the glass over said opening, a receptacle beneath said opening into which the glass flows from said opening, said receptacle having a discharge opening in the floor thereof, said receptacle entirely enclosing the first opening and having side walls converging downwardly toward the second outlet opening, a plunger projecting downward into the glass in said receptacle over the opening, and means to periodically reciprocate said plungers vertically and in synchronism.

1,636,876. CHUTE-CLEARING DEVICE FOR MATCH MACHINES. OREO E. SWARTZ, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Apr. 10, 1924. Serial No. 705,600. 2 Claims. (Cl. 198—173.)



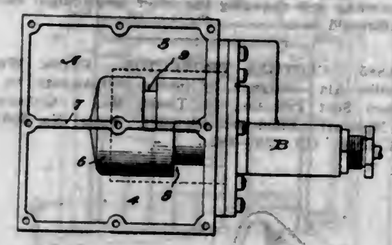
1. In a chute clearing device for match machines, the combination with a chute arranged to receive matches from the punch-out of the machine and provided with a slotted bottom, of a pair of travelling conveyor chains arranged beneath the chute bottom and provided at intervals with chute clearing fingers extending into the chute through the slots in the bottom thereof, the fingers of one chain being arranged for travel in advance of the fingers of the other chain, for the purpose specified.

1,636,877. REFRIGERATING APPARATUS. ALBERT E. THORNLEY, Pawtucket, R. I., assignor to Narragansett Machine Company, Pawtucket, R. I. Filed Apr. 30, 1926. Serial No. 105,691. 4 Claims. (Cl. 62—95.)



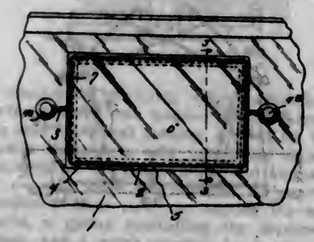
1. In combination with a refrigerating apparatus including a frame, a coil and vertical strips clamping the coil to the frame and having their lower ends projecting below the frame to provide supporting legs, a supporting base having a heat absorbing top and being formed to receive material to be cooled, said top having upwardly extending flanges to provide a tray so as to collect dripping from the refrigerating apparatus, the legs of the apparatus being removably received within the tray and supported thereby.

1,636,878. PUMP. ALBERT E. THORNLEY, Pawtucket, R. I., assignor to Narragansett Machine Company, Pawtucket, R. I. Filed June 3, 1926. Serial No. 113,416. 1 Claim. (Cl. 230—158.)



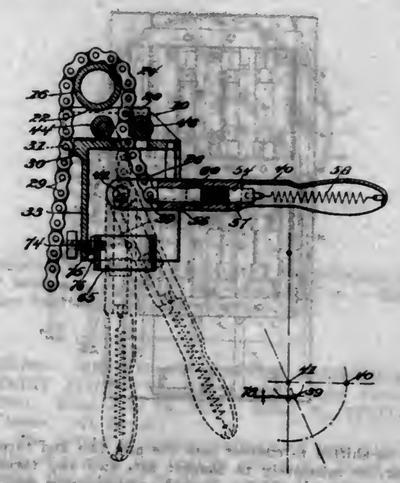
A refrigerating apparatus composed of a series of independent compression units each having a housing formed with a pump chamber, a horizontal partition in each housing having an upwardly extending portion forming the top of the pump chamber, the front side of each housing having an opening, a pump in each chamber slidable through the opening and formed to be freely received in the pump chamber, means connected to the pump and removably secured to the housing and adjacent said opening to hold the pump in its chamber and whereby upon removal of said means the pump may be slid out of the chamber, a vertical partition engaged with the horizontal partition and extending to the top of the housing and forming a pair of compressed fluid and oil receiving compartments, a cover for the housing engageable with the upper edge of the partition, said horizontal partition having openings on opposite sides of the vertical partition and communicating with the pump chamber, and means to interconnect the units whereby to conduct the fluid from one unit to the next adjacent unit so as to increase the compression stage-by-stage.

1,636,879. ANTIFROST VISION APPLIANCE. RUDOLPH TICHOTA, Dodge, Nebr. Filed Mar. 6, 1926. Serial No. 92,689. 1 Claim. (Cl. 20—40.5.)



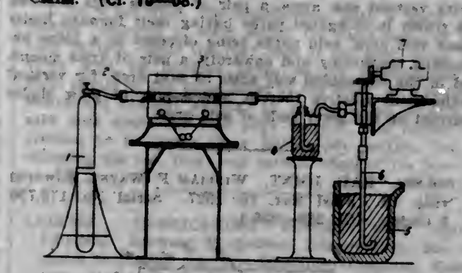
An anti-frost vision device comprising a resilient, normally concavo-convex open frame, suction cups disposed at opposite sides of and connected with the ends of said open frame, a second open frame of flexible packing material opposed to the first named open frame, and connected therewith; said packing frame being of greater width than the first named open frame, and a flexible transparent member or pane interposed between the first named open frame and the frame of flexible packing material and connected to said frame of packing material, the said first named open frame, the packing frame and the transparent member or pane being adapted to flex as a unit.

1,636,880. CLAMPING DEVICE. STILES H. TUCKER, Wollaston, and SAMUEL B. FIELD, Holbrook, Mass. Filed Sept. 16, 1924. Serial No. 738,024. 10 Claims. (Cl. 81—19.)



1. In a vise of the character described, in combination, a base provided with a clamping member, a chain adapted to extend over the article to be clamped, and means for tightening the chain to clamp the article against the clamping member upon the base, including a fixed member for holding one end portion of the chain and a pivoted member adapted to yieldably take up the slack in the chain upon movement of the pivoted member through a portion of its stroke, and means for rigidly connecting at a distance from the pivot the second end portion of the chain with the pivoted member before the pivoted member reaches its final operative clamping position.

1,636,881. PROCESS FOR PURIFYING OR REFINING METALS AND ALLOYS. DAVID RONALD TULLIS, Clydebank, Scotland. Filed Nov. 9, 1926, Serial No. 147,227, and in Great Britain Nov. 11, 1925. 1 Claim. (Cl. 75—58.)

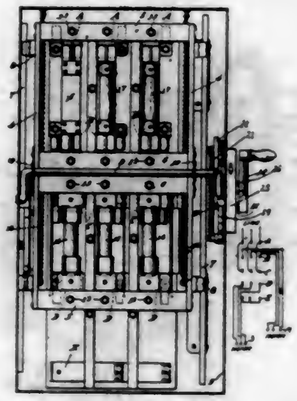


A process of purifying or refining aluminum and its alloys consisting in introducing into the metal or alloy boron trichloride.

1,636,882. ELECTRICAL SWITCH. GEORGE B. WADSWORTH, Covington, Ky. Filed Jan. 5, 1920. Serial No. 349,426. 6 Claims. (Cl. 200—8.)

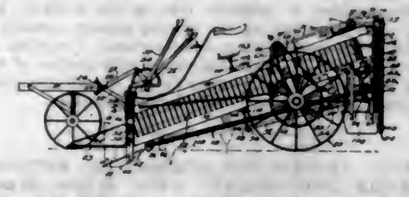
1. In an electric switch, the combination of a series of five sets of electric contacts arranged in line, three contacts in a set, with the fifth set strapped, and the first

set connected to the line and strapped to the third set, and the second and fourth sets connected to the load by separate wires, and a movable switch element, adapted



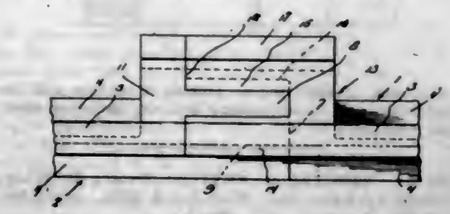
to be shifted to connect sets one and two and three and four, or selectively to connect sets two and three, and four and five, and to a neutral nonconnecting position.

1,636,883. BEET HARVESTER. GERRIT WANDSCHEER, Sioux Center, Iowa. Filed May 29, 1925. Serial No. 33,633. 8 Claims. (Cl. 55—108.)



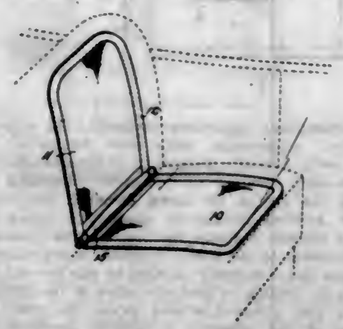
1. In a harvester, a vehicle having side frame members connected at their forward ends by a channelled arch with vertical side arms, a pair of endless belts mounted to travel in elongated paths having their forward limits near said arch, said paths being disposed in a plane extending rearwardly and upwardly, a pair of arms mounted in the channelled side arms of said arch, for vertical adjustment relative thereto, and a pair of plow blades carried by the lower ends of said arms.

1,636,884. RAIL JOINT. WILLIAM F. WAYNE, Edwardsville, Ill. Filed Mar. 16, 1927. Serial No. 175,750 1 Claim. (Cl. 238—235.)



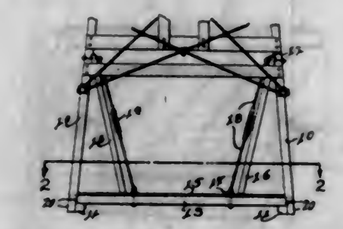
In a structure of the class described, a rail section having a relatively thick and wide base extension provided with an upstanding tongue on opposite sides of which are supporting ledges, a reinforcement at the juncture of the base and body of said rail section, a complemental rail section provided with a bifurcated portion, the furcations straddling said tongue and resting on said ledges, one furcation providing a wheel tread continuation, and the other furcation being provided with a depending web engaging the outer longitudinal face of the aforesaid base.

1,636,885. CLOTHES PROTECTOR. FRANK WELLS, Mobile, Ala., assignor, by mesne assignments, to Evr Klean Seat Pad Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 10, 1921. Serial No. 506,615. 2 Claims. (Cl. 155—182.)



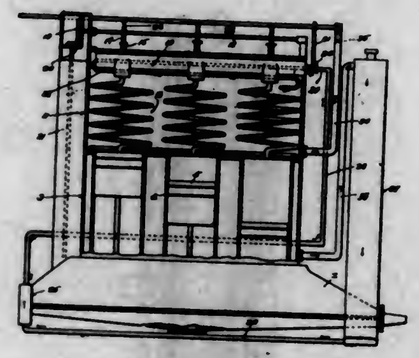
1. A clothes protector for seats, chairs and the like comprising seat and back sections each of which is composed of a single sheet of relatively stiff pliable material, edge protecting binding enclosing the lateral side and outer end edges of said sections and connecting said sections together at their lateral side edges only in the relationship in which said seat and back sections are spaced relatively a considerable distance apart, and a cloth fabric hinge member enclosing the adjacent edges of said sections.

1,636,886. BOTTOM-LEG CONSTRUCTION FOR WELL DERRICKS. DALLAS D. WERTZBERGER, Tulsa, Okla. Filed Sept. 20, 1924. Serial No. 738,736. 1 Claim. (Cl. 120—0.5.)



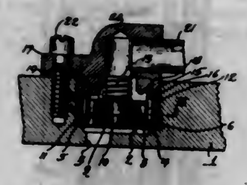
In a derrick structure, a lower platform, sills supporting said platform having crossed ends and portions extending beyond said crossed ends forming leg seats, legs rising from the platform and having lower shouldered ends connected to and bearing directly upon said sill extensions, struts inclined downwardly from two sides of each leg and bearing at their lower ends upon the platform adjacent to the side edges thereof, adjustable tension members between the legs and platform sills approximately parallel with the several struts, and eye bolts serving to anchor the ends of the tension members with the platform and the legs, the eye bolts of the legs serving also to connect the upper ends of the struts to the legs.

1,636,887. ENGINE. ROY WINDELL, Wilmington, Calif. Filed Sept. 16, 1926. Serial No. 135,873. 3 Claims. (Cl. 60—27.)



1. In an engine of the class described, a crank case, a cylinder block including cylinders, pistons slidable in said cylinders, a crank shaft in said crank case, operating connections between the cranks and the pistons, exhaust valves cooperable with said cylinders, and a cylinder head including a plurality of steam generating coils connected directly with said cylinders and heating means for said coils.

1,636,888. COMPRESSOR DISCHARGE VALVE. WILLIAM WISHART, Clinton, Iowa, assignor to Climax Engineering Company, Clinton, Iowa, a Corporation of Delaware. Filed July 20, 1925. Serial No. 44,745. 3 Claims. (Cl. 251—119.)



1. A compressor discharge valve comprising a gasket, an apertured valve seat member seated thereon, a valve guide in said valve seat member, a rivet for holding said valve guide secured to said valve seat member, a disk valve slidable on said valve guide and normally adapted to seat on said valve seat member, an apertured valve stop slidable on said rivet for limiting the movement of said valve, a spring controlling the movement of said valve stop, and a cover member for holding said valve seat member, said gasket and said spring in place.

1,636,889. HARVEST HAT. EDWARD WITTCOFF, St. Louis, Mo., assignor to Superior Hat Company, St. Louis, Mo., a Corporation of Missouri. Filed May 26, 1926. Serial No. 111,718. 4 Claims. (Cl. 2—175.)

1. A harvest hat comprising a crown and a relatively wide brim having its edge upturned, in combination with a wire extending around the brim adjacent to the edge thereof, substantially non-elastic edging enclosing said wire and the edge of the brim and secured to the brim, stiffening means extending from near one edge of one side of the brim across the brim and across the crown and conforming approximately to the shape of the crown and across the opposite side of the brim, and means in

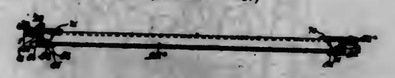


connection with the brim in front of said stiffening means for holding a portion of the brim rolled in a different shape from adjacent portions of the brim.

1,636,890. METHOD OF MAKING CONCENTRATED FRUIT JUICE. WALTER M. ZORN, East Cleveland, Ohio. Filed July 25, 1924. Serial No. 728,111. 4 Claims. (Cl. 99—5.)

1. The method of making concentrated fruit juice, consisting of pressing the fruit to extract the liquid juices, filtering the obtained liquid to remove the pulpy matter, concentrating the filtered liquid by freezing into a snow and removing the concentrated juices from the snow crystals by centrifugal action, heating such concentrated juice to a temperature below boiling, filtering such heated concentrate to remove pectin and other undesirable matter, cooling the filtered concentrate to a temperature just above the freezing point, and refiltering such cold concentrate to remove all suspended matter, and collecting such finally filtered concentrate.

1,636,891. METALLIC CAR DOOR. ALLAN S. BARROWS, Los Angeles, Calif. Filed Nov. 5, 1925. Serial No. 67,176. 3 Claims. (Cl. 189—46.)



1. In a car door, the combination with a main body portion composed of sheet metal, the sheet metal of said body portion, along the rear edge of the door, being provided with an integral flange section substantially at right angles to the main plane of the door; of a separate reinforcing element angular in cross section secured to said door along the rear edge thereof; and means, additional to the main sheet metal body portion, for reinforcing the top, front and bottom edges of the door.

1,636,892. LUBRICATING SYSTEM FOR HOIST DRUMS. RICHARD G. BARTEN, Kansas City, Mo., assignor to English Brothers Machinery Company, Kansas City, Mo., a Corporation of Missouri. Filed Jan. 8, 1926. Serial No. 79,985. 1 Claim. (Cl. 308—109.)

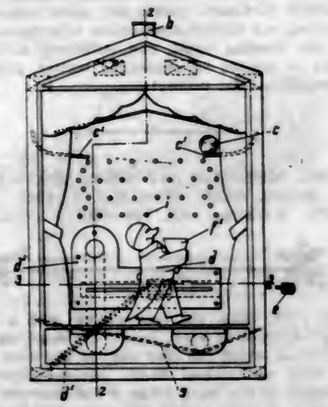
In a lubricating system of the kind described, the combination with a drum having a hub provided with two oil chambers at its ends respectively and an oil supply chamber intermediate of said end chambers, said hub having an axial hole therethrough, and provided with means by which oil may be carried from said end chambers into said intermediate chamber by centrifugal force, when the drum rotates and by gravity when the drum is at rest, said hub having means by which oil may flow by gravity from the periphery of said intermediate chamber into said axial hole, when the drum is at rest said

hub having means by which the intermediate chamber may have oil poured into it, the hub having means for indicating when a predetermined amount of oil has been



poured into the intermediate chamber, of a shaft rotatably fitted in said axial hole, and two collars mounted on said shaft in said end chambers respectively.

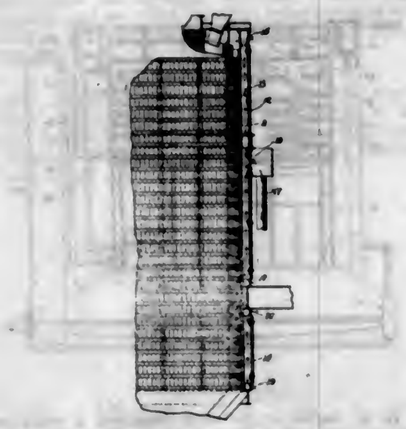
1,636,893. ABILITY GAME. ARTHUR BIEBERFELD, Berlin, Germany. Filed Jan. 2, 1926, Serial No. 79,021, and in Germany Mar. 24, 1925. 10 Claims. (Cl. 273—138.)



1. An ability game, comprising in combination with a casing having in its top end an inlet for balls, a vertical board in said casing having near its lower end an outlet hole for the miss balls and an outlet hole for the hit balls, an inclined guide on said board near the upper end underneath said inlet for the balls, deflecting pins on said board, a figure on the bottom of said casing underneath said pins, a catching device held by said figure, and means operated from the outer side of said casing and designed to move said figure to and fro to catch a dropping ball and to deliver the same to the outlet hole for the hit balls so that it rolls out of the casing.

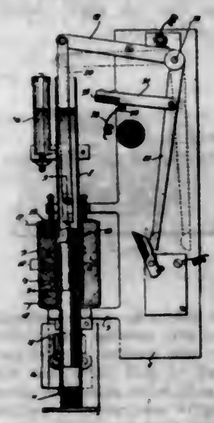
1,636,894. COOLED FURNACE WALL. FRANK B. BIGELOW, Detroit, Mich., assignor to Bigelow Arch Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 31, 1927. Serial No. 179,771. 1 Claim. (Cl. 110—1.)

A furnace-wall having a protecting airjacket with lower, intermediate, and upper ports, and means to apply suction to said intermediate port only when the furnace is in service thereby drawing cooling air into the jacket through said lower and upper ports and out



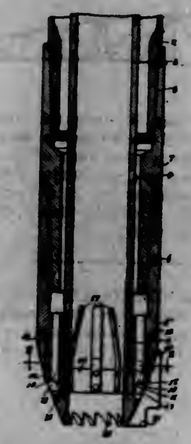
through said intermediate port, cooling air entering said lower port, traversing said jacket, and being delivered through said upper port by natural draft when the furnace is out of service but with the wall still hot.

1,636,895. ELECTRIC SWITCH. FRANZ A. BOEDTCHER, Bergenfield, N. J. Filed May 19, 1923. Serial No. 639,999. 3 Claims. (Cl. 200—97.)



2. In an apparatus of the character described, switch mechanism embodying a pivoted lever, circuit closing means connected with the work arm of said lever, in combination with an upstanding cylinder closed at its lower end and containing a liquid, a solenoid coil embracing a portion of the length of said cylinder, a solenoid core within the cylinder and normally positioned in removing relation to the magnetic center of the coil, valvular means associated with said core to permit liquid in the cylinder to bypass the core during movement of the latter longitudinally of the cylinder to cushion the operations of the piston, and mechanical connections between the core and the power arm of said lever for securing these parts together.

1,636,896. CORE DRILL. LYNN F. BONNEY, Los Angeles, Calif., assignor to Oil Well Core Drilling Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 11, 1926. Serial No. 154,060. 4 Claims. (Cl. 255—72.)



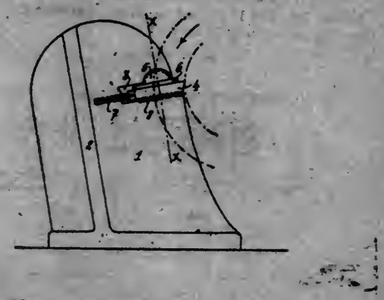
3. A core drill comprising a head, a core receiver secured to the head, means for securing a drill pipe to the head, said head being provided with a plurality of circumferentially spaced apart outer lugs, a cutter having a loose fit with said head, the head and cutter having cooperating torque thrust receiving faces, means for passing flushing fluid through the head and cutter, registering openings in said head and cutter tapering to contract outwardly, pins fitting said openings, and a member secured to said head engaging the inner ends of said pins for locking the same in place.

1,636,897. PRIMING DEVICE. HERBERT H. BRIDGE, Detroit, Mich. Filed Apr. 4, 1923. Serial No. 629,938. 2 Claims. (Cl. 123—187.5.)



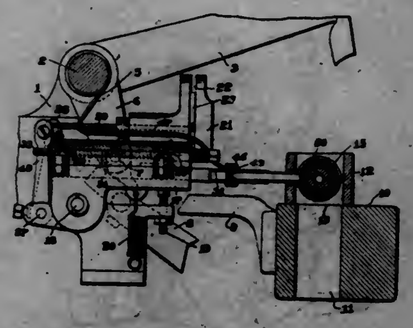
2. A priming device of the class described comprising a body portion adapted for assembly to a cylinder head, an angular fixed shoulder intermediate the ends of said body member, a screw threaded portion on the upper end of said body member, a second member having an open ended cup at its outer extremity and adapted on its lower end to be screwed to said body member, a web extended across the area of said second member intermediate its ends below the cup and having a screw threaded opening therein, a stem member adapted to extend through said opening and having screw threads thereon cooperating with the screw threads in said opening in a manner to permit of limited lateral movement of said steam and to make said stem vertically adjustable, and means on the lower end of said stem for closing the bottom of said body portion.

1,636,898. TOOL HOLDER FOR CUTTING OFF PIECES OF WORK. ETTORE BUGATTI, Molsheim, France. Filed Jan. 8, 1925, Serial No. 1,262, and in France Apr. 14, 1924. 1 Claim. (Cl. 82—36.)



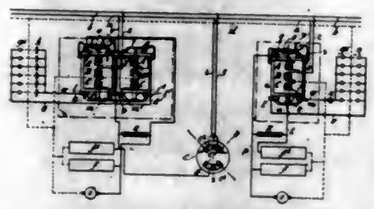
A tool holder for cutting circular grooves comprising a main frame or base whose thickness is less than the width of the tool, transverse ribs for strengthening the said frame, a recess or slot formed in the said frame, a semi-cylindrical recess formed on one face of said slot, a semi-cylindrical member co-operating therewith, a key having a trapezoidal profile interposed between said semi-cylindrical member and the tool which is disposed in the said recess formed in the main frame, a rectangular key whereof one half enters the face of the tool and the other half enters the main frame, and a screw disposed in the inner end of the said recess in the main frame and forming a support for the end of the said tool.

1,636,899. FEELER MECHANISM FOR LOOMS. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 27, 1926. Serial No. 157,152. 6 Claims. (Cl. 139—284.)



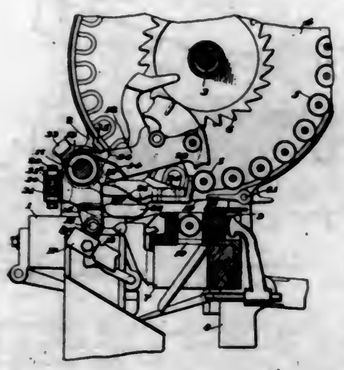
1. In a filling replenishing loom, the combination of a feeler stand supported from the loom frame at the replenishing side thereof, a feeler slide mounted on the feeler stand, a pivoted feeler member mounted on the feeler slide for side slipping movement towards the tip of the filling carrier and held from such movement by engagement with the filling on each detecting beat until substantial exhaustion thereof, a fixed feeler member carried by the feeler slide and extending rearwardly beyond the end of the pivoted feeler member opposite the conical winds of filling and held from engagement with the filling on detecting beats by the pivoted feeler member until substantial exhaustion of filling and thereupon adapted to be engaged by a surface within the shuttle on a detecting beat, means controlled by the pivoted feeler member for initiating replenishment of filling and means for withdrawing the feelers frontwardly on replenishment of filling.

1,636,900. ELECTROMAGNETIC SWITCH FOR CONTROLLING THE CIRCUITS OF TRAIN LIGHTING AND SIMILAR INSTALLATIONS. ALFRED HENRY DARKER, Upper Norwood, London, England, assignor to J. Stone & Company, Limited, Deptford, England, a Corporation of Great Britain. Filed Feb. 4, 1922. Serial No. 534,118, and in Great Britain Feb. 17, 1921. 4 Claims. (Cl. 175—375.)



2. Electro-magnetic switching means for controlling consuming circuits of train lighting and similar installations, comprising duplex electro-magnets operatively connected with respective consuming-circuit switches and subject to line control, the said electro-magnets being each provided with a combination of closing, hold-on and demagnetizing coils as hereinbefore specified, and the arrangements being such that the simultaneous control of the closing and demagnetizing coils for bringing about their energization results in the closing of only one of said switches, substantially as set forth.

1,636,901. BOBBIN GUIDE FOR FILLING-REPLENISHING LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 14, 1926. Serial No. 141,616. 12 Claims. (Cl. 139—251.)



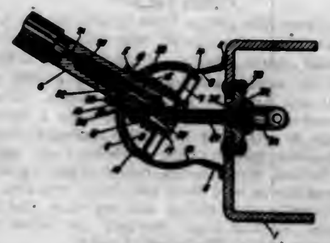
1. In a filling replenishing loom, the combination of a rotary hopper for filling carriers, a transferrer for transferring a filling carrier from the hopper to the shuttle, a front bobbin guiding abutment against which the head of a filling carrier in the hopper rests when moved into transferring position, means normally acting to maintain the bobbin guiding abutment raised in the path of the filling carriers in the rotary hopper to arrest rotary movement of the hopper with the leading filling carrier in the hopper in transferring position and movable on replenishment of filling to permit downward movement of the bobbin guiding abutment from its normal raised position to guide the filling carrier into the shuttle.

1,636,902. CONSTRUCTION OF AEROPLANE WINGS. EMILE DEWOITINE, Toulouse, France. Filed July 8, 1924, Serial No. 724,855, and in France July 17, 1923. 3 Claims. (Cl. 244—31.)



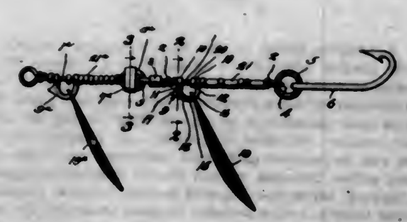
1. A structural frame for aeroplane wings comprising ribs formed of tubes, plates riveted to said tubes for the assembling of the latter, spars each of which consists of a box element having two sole plates formed of superposed sheet metal members cut in a point at the ends and riveted together, said sole plates being connected together by cheeks or webs.

1,636,903. BRAKE-CONTROL-LUBRICATING MEANS. ADIEL Y. DODGE, South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 9, 1924. Serial No. 705,192. 12 Claims. (Cl. 184—7.)



1. In mechanism, including a control shaft having a support comprising a ball joint having a sleeve member in which one end of said shaft is positioned, said shaft being formed with a bore, means for lubricating said mechanism consisting of a member slidably positioned in said bore and terminating in a socket, said member and socket having a passageway therethrough, a hollow ball ended member fitting in said socket, a support for said ball ended member and a lubricant fitting communicating with said hollow ball ended member for the purpose described.

1,636,904. SPOON HOOK. WILLIS D. ELWOOD, Colville, Wash. Filed Jan. 28, 1926. Serial No. 84,400. 4 Claims. (Cl. 43—28.)



2. In a device of the class described, a connector, a hook assembled with the connector, a U-shaped carrier of double-walled construction comprising bearings journalled on the connector, the bearings being prolonged to form

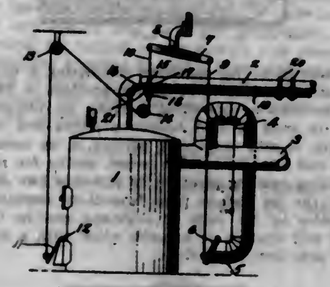
pairs of oppositely disposed arms, each arm of one pair being connected to the corresponding arm of the other pair by a cross piece, the cross pieces being oppositely disposed, the cross pieces being curved where they join the arms of one pair, and being prolonged to form a point where they join the arms of the other pair, the outer edges of the cross pieces slanting inwardly from said curved portions to said point, a spoon pivotally mounted on said curved portions of the arms, and a bead loosely mounted on the connector and located between the bearings.

1,636,905. SHOE. ABRAM E. FALOR and FREDERICK H. MARTIN, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 14, 1924. Serial No. 719,971. 4 Claims. (Cl. 36—71.)



1. A soft-soled, rubber-and-fabric shoe having a locally thickened arch-supporting member within the confines of the upper of the shoe and integrally coalesced with the sole of the shoe.

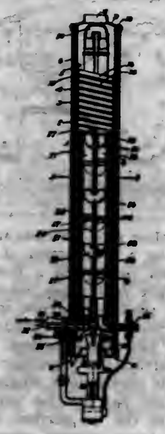
1,636,906. FURNACE REGULATOR. JOHN GOLDBERG, Hopkins, Minn. Filed Nov. 22, 1926. Serial No. 149,055. 3 Claims. (Cl. 236—86.)



1. The combination with a furnace having a draft door and a damper adapted to be closed by gravity, and a pipe for conducting heated fluid from the furnace, of an adjustably mounted lever, a connection between the lever and the damper, a connection, including a screw threaded portion, between the lever and the door, a thermostat attached to and adapted to be actuated by the heat of the contents of the pipe, and an adjustable lost motion connection between the thermostat and the threaded portion.

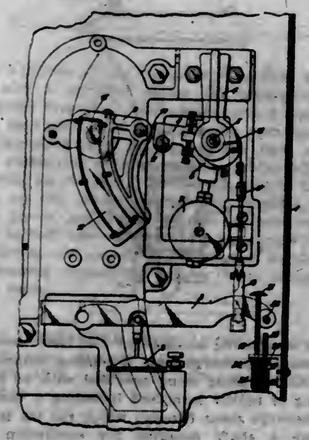
1,636,907. WATER HEATER. ALBERT L. HALL, Los Angeles, Calif., assignor, by mesne assignments, to August J. Hartfield, Huntington Park, Calif. Filed July 15, 1924. Serial No. 726,184. 4 Claims. (Cl. 122—250.)

1. A water heater comprising a casing, a pair of water heating coils in said casing, said coils being intercoiled between each other and connected at their upper ends, the lower end of one coil being connected to a water supply pipe, two tubes extending through said coils, the lower end of one tube being connected to the lower end of the other coil, the upper ends of said tubes being



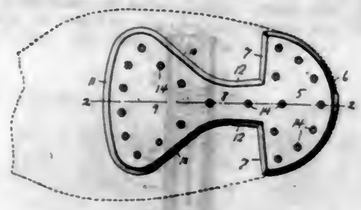
connected together, the lower end of the other tube leading from the casing, and a burner in the lower end of the casing.

1,636,908. SCALE. FRED B. HAMBLIN, St. Louis, Mo., assignor to The Weightograph Company, St. Louis, Mo., a Corporation of Missouri. Filed July 22, 1926. Serial No. 124,162. 8 Claims. (Cl. 265—62.)



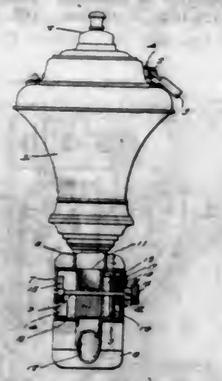
1. In a scale, the combination with a weighing mechanism, of a screen having a scale image receiving zone and distinctively marked zones to indicate over and underweight, a chart having scale indications, means coordinated with the scale indications for displaying an indication in the over and underweight zones of the screen, and a pointer device located between the chart and the screen for centering the scale on the chart and for cooperating with the means on the chart for indicating the over and underweight operations of the chart.

1,636,909. METAL DANCING-SHOE SOME. WILLIAM JOHN HANBY, North Vernon, Ind. Filed Mar. 12, 1927. Serial No. 174,918. 1 Claim. (Cl. 36—73.)



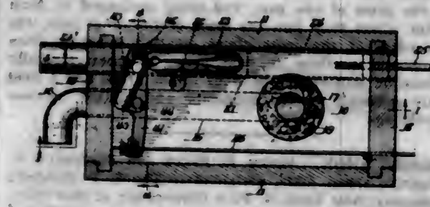
A metal dancing shoe sole attachment comprising an elongated plate having a toe portion of a substantially semi-disclike formation to provide a front arcuate edge and a pair of straight rear edges converging inwardly toward each other, a relatively narrow spine portion projecting rearwardly from the toe portion between the straight rear edges, said spine portion merging into a ball portion of substantially triangular formation, the rear edge of which is curved in a single arcuate formation, the width of the ball portion being substantially equal to the width of the toe portion, the periphery of the elongated plate being beveled outwardly from the bottom surface to the upper surface, and a tongue rising from the mid portion of the front arcuate edge.

1,636,910. TEA-DISPENSING MACHINE. JOHN HARDY, Brooklyn, N. Y. Filed Oct. 5, 1925. Serial No. 60,550. 1 Claim. (Cl. 221—106.)



In a tea dispensing machine of the class described, a hopper having a discharge neck, a housing connected with said neck, said housing being provided with an attaching flange, being of hollow form and including a downwardly inclined discharge spout through which the tea is adapted to gravitate a shaft mounted for oscillation in said housing, a drum on said shaft, said drum being provided with a tea receiving pocket in its periphery normally registering with said neck and adapted to be rotated through an approximate half circle to bring it into registration with said spout, spring means for automatically retaining the drum to maintain the pocket in registry with said neck, a disk mounted upon said shaft and located in said housing, said disk being provided with circumferentially spaced stop shoulders, and a resilient check device mounted on the adjacent end wall of said housing and embodying a pivotally mounted pawl cooperable with said shoulders.

1,636,911. TEMPO BOX. EDMOND A. HUGUET, Chicago, Ill. Filed May 15, 1926. Serial No. 109,294. 7 Claims. (Cl. 84—130.)



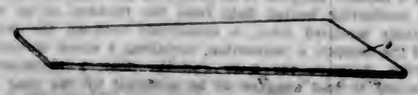
1. In a tempo regulator of the type described, the combination of a box formed with top, side and end walls, and a relatively thick bottom wall formed with a pair of air ducts in and lengthwise of its bottom wall communicating with ports opening into the interior of said box and with air conduits to a roll motor and a source of suction respectively, and a plunger valve slidable in one of said ducts across the port through which said valve-containing duct communicates with the interior of said box.

1,636,912. LEG STRUCTURE. ERNEST S. JOHNSON, Webster City, Iowa. Filed Feb. 5, 1923. Serial No. 616,944. 6 Claims. (Cl. 45—11.)



6. A supporting leg structure comprising a socket having a bottom comprised of bottom portions in two different planes and a connecting portion, an elongated slot having its ends in said bottom portions and extending the length of said connecting portion, a leg member having one end received in said socket, means for resiliently constraining said leg pivotally in either of two directions, whereby the leg in one position will be engaged on opposite sides by the ends of said slot and in the other position will contact on opposite sides with a surface of each of said bottom portions.

1,636,913. PAD FOR IRONING BOARDS. HARRY KOBRIN, New York, N. Y. Filed Nov. 19, 1926. Serial No. 149,345. 1 Claim. (Cl. 68—10.)



An ironing pad composed of a stiff paper base, a layer of cotton batting on said base, and a fabric cover overlying the batting and glued to said paper.

1,636,914. SNAP FASTENER. GROVER KOLLSTRAND, Providence, R. I. Filed Feb. 25, 1927. Serial No. 170,761. 2 Claims. (Cl. 24—234.)

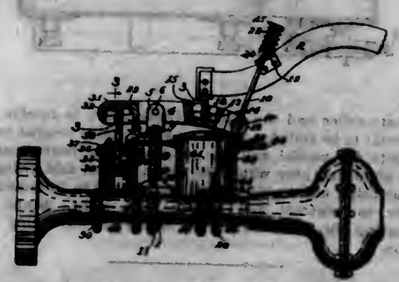
1. In a snap fastener, a top plate provided with a slot, a depending beak integral with the plate adjacent the slot, depending ears upon the top plate, a bottom plate, vertical lugs upon the bottom plate, a plate traversing the ears and lugs, a transverse shoulder upon the bottom

plate adjacent the plate, an acute angularly disposed arm upon the forward end of the plate engageable at its lower end with the beak and projecting above the top



plate through the slot, a finger on the free end of the arm engageable with the upper face of the top plate, and a spring upon the plate engaging both plates.

1,636,915. AIR-STORING SHOCK ABSORBER. ELVIN LANDON, Waterloo, Iowa. Filed May 17, 1926. Serial No. 109,737. 4 Claims. (Cl. 267—65.)



2. In combination in a vehicle, running gear and a frame member positioned for oscillatory movements adjacent the running gear and above it, a lever swiveled intermediate its ends on the running gear, a loose connection between one end of said lever and said frame, a dashpot mounted for limited movements on said running gear and containing a piston having a loose connection to the other end of said lever, and yieldable resilient connections between the first-mentioned end of said lever and said frame member.

1,636,916. GLASS WIPER. JULIUS H. LEHMAN, Bristol, Conn. Filed Oct. 20, 1926. Serial No. 142,961. 1 Claim. (Cl. 15—255.)



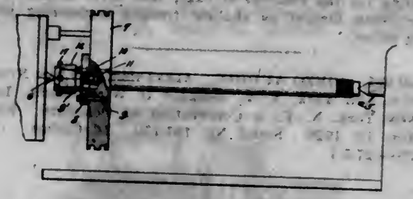
A glass wiper, comprising a housing U-shaped in cross section and mounted for movement over a glass, wipers mounted in the edges of the said housing and projecting beyond the edges thereof; an electric heating unit mounted in said housing, transverse tiewires extending between the sides of the housing, whereby the said heating-unit is exposed to radiate heat against the glass, and means for connecting the heating unit with a source of current.

1,636,917. PRINTING PRESS. ROBERT R. MCCORMICK, Chicago, Ill. Filed July 10, 1926. Serial No. 123,406. 17 Claims. (Cl. 270—5.)



1. A flexible unit printing press, comprising a row of printing units and folders arranged in a line on a common level and divisible into a plurality of groups the printing units of which are associated with a single folder, a plurality of printing units disposed laterally of said line and individually associated with particular groups in the line, and means for directing the webs from said laterally disposed units to the folders of the groups with which they are associated.

1,636,918. CENTERING DEVICE FOR PISTONS. KARL F. MCJILTON, Moberly, Mo. Filed Aug. 10, 1926. Serial No. 128,497. 2 Claims. (Cl. 82—43.)



1. In a device of the character described, a stationary center and a movable center for supporting a pump piston under treatment, said piston having a plate secured thereto, said plate and piston having openings, the opening in the plate being of the key-hole type, a removable bearing supporting member having a threaded opening, a bolt having an elongated head, positioned in the threaded opening of the bearing supporting member, said head adapted to be positioned in the key-hole opening and twisted to lock the bolt and bearing supporting member to the piston, and an adjustable bearing member mounted in the bearing supporting member to be engaged by the movable center.

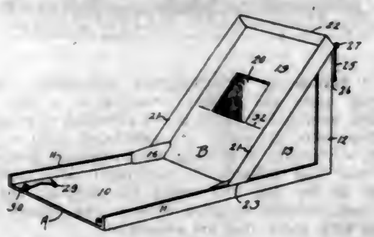
1,636,919. PRESSURE-REGULATING VALVE. ARCHIBALD RUSSELL MILLER, Helensburgh, Scotland. Filed Mar. 30, 1927. Serial No. 179,513. 2 Claims. (Cl. 50—23.)



1. In a pressure regulating valve of the kind described, a conduit exposed to vacuum, a conduit in which the degree of vacuum is to be maintained constant, a threat

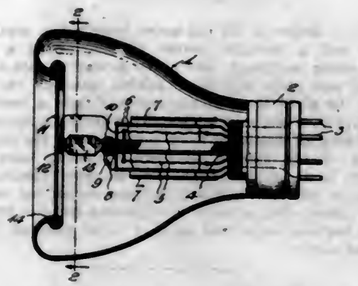
connecting said conduits, a valve controlling the effective cross sectional area of said throat, a diaphragm chamber, a flexible loaded diaphragm partitioning said chamber into a vacuum compartment and an atmosphere compartment, a passage connecting said vacuum compartment with the second-named conduit, and means for admitting atmospheric air to said second-named conduit to compensate for leakage past said valve, as and for the purpose set forth.

1,636,920. GAME. EUGENE C. NICHOLS, Sioux Falls, S. Dak. Filed Mar. 17, 1927. Serial No. 176,017. 5 Claims. (Cl. 273—105.)



1. A game comprising a horizontal base, an inclined cover member provided with an opening and a pocket formed behind said cover member and provided with an opening for the removal of bags, said cover member and base being formed as shallow troughs registering with each other.

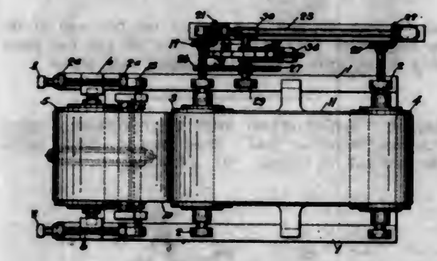
1,636,921. PIEZO AUDION. ALEXANDER MCLEAN NICOLSON, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 11, 1926. Serial No. 147,750. 10 Claims. (Cl. 250—27.5.)



6. A piezo audion comprising an evacuated vessel, a plurality of electrodes, a centrally extending support for said electrodes and a piezo electric device mounted between the extremity of said support and one wall of said evacuated vessel and connected to certain of said electrodes whereby sound vibrations incident upon the exterior of said evacuated vessel operate to impress electrical charges from said piezo electric device upon said electrodes.

1,636,922. CIGAR-MAKING MACHINE. ALLEN NOEL, Columbus, Ohio. Filed Mar. 8, 1921. Serial No. 450,780. 2 Claims. (Cl. 131—44.)

1. In a cigar rolling machine and the like, a main frame, a series of three rollers mounted therein in parallel spaced relation, an endless traveling apron extending about the outermost rollers with its upper run engaging the intermediate roller, a supporting guide for the lower run of the apron extending substantially from one extreme roller to the other whereby such bottom run will be supported without sag, a supporting guide for the upper run of the apron between one of the extreme rollers and the intermediate roller to eliminate sag, the top run of the apron being formed into a bight between the intermediate roller and the other extreme roller to receive the material to be rolled, a swinging guide frame located intermediate the medial and the extreme roller contiguous to said bight and over which the apron passes, said swinging frame being adjustable toward and from the intermediate roller to contract and release said bight, means for actuating the guide frame and means for advancing said apron.

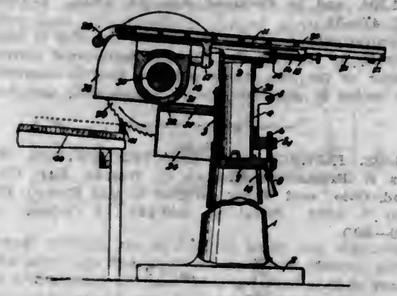


1,636,923. ELECTRIC HAMMER AND DRILL. NICHOLAS PISCIONERE, South Weymouth, Mass. Filed Mar. 12, 1925. Serial No. 14,993. 4 Claims. (Cl. 172—126.)



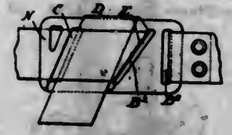
1. In an electric hammer embodying a split field casing, a field winding in the casing, a wound reciprocating piston within the casing, a tool holder in the lower end of the casing, electric switches and reversing elements in said casing; a steadying post, corresponding to a quadrate cross in cross section, mounted longitudinally through the center of the casing, and upon which the said piston is slightly mounted; means in the casing for absorbing the shock of the upward movement of the reciprocating piston; a tool holder adapted to be engaged by the piston in the lower portion of said casing; and means for rotating the tool-holder thru the reciprocating movement of said piston.

1,636,924. CUT-OFF SAW. THOMAS EARLE PORTER, Grand Rapids, Mich. Filed Apr. 28, 1924. Serial No. 709,334. 7 Claims. (Cl. 143—6.)



1. In a machine of the class described, a vertical support, a cylinder mounted in and extending above the upper end of the support, means for raising or lowering the cylinder, a guide carried by the upper end of the cylinder and having a downward inclination from front to rear, a table reciprocably mounted on said guide and movable in the same inclined plane therewith and a saw carried at the forward end of the table.

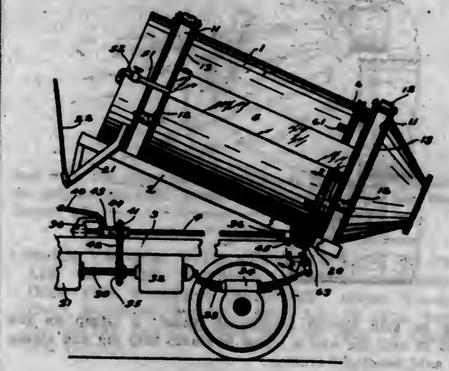
1,636,925. CLOSING DEVICE FOR BELTS. POL RAVIONEAUX, Neuilly-sur-Seine, France. Filed Nov. 10, 1924, Serial No. 748,962, and in France Nov. 23, 1923. 1 Claim. (Cl. 24—200.)



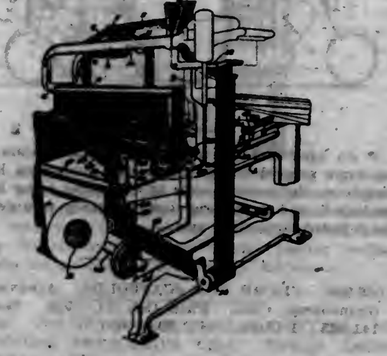
A buckle adapted to join the two ends of a belt, the said buckle comprising an input aperture adapted for the insertion of the said belt, an output aperture having a straight internal edge and adapted for the insertion of the said belt, an output aperture having a straight internal edge and adapted for the insertion of the end of the belt issuing from the said input aperture, a straight edge of the buckle making with the internal edge of the said output aperture such an acute angle that the free strand of the belt, after having been folded around the said edge has such a direction that it directly proceeds in the space comprised between the said apertures, the external edge of the said input aperture being straight, making an acute angle with the internal edge of the said output aperture and having an inclination which is substantially parallel to the free strand of the belt.

1,636,926. DRIVE FOR TRANSIT CONCRETE MIXERS. CHARLES L. REYNOLDS, Seattle, Wash., assignor to himself and William E. Smith, Seattle, Wash. Filed Oct. 20, 1926. Serial No. 142,874. 6 Claims. (Cl. 83—73.)

1. The combination with a road vehicle having a source of power mounted thereon, a dumping frame pivoted by its rear end upon the vehicle frame, a mixer including a movable mixer element supported upon said dumping frame, a rotary member coaxial with but movable independently of the pivot of said dumping frame, means operatively connecting said rotary member with the power source, and power transmission means operatively connecting said rotary member with said mixer element, and including a shaft journaled on the dumping frame.



1,636,927. HARNESS STOP MOTION FOR LOOMS. GEORGE RHEAULT, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 31, 1926. Serial No. 158,248. 12 Claims. (Cl. 139—337.)

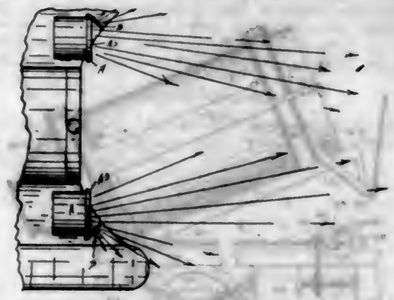


1. In a harness stop mechanism for looms, the combination of the shedding mechanism including harness connectors, a toothed detector member having a detecting movement in the direction of its length, a stop finger normally held out of engagement with the toothed detector member, means for effecting loom stoppage when the lengthwise movable detector member is arrested in its detecting movement, and means for causing the stop member to engage a tooth of the detector member and arrest its lengthwise movement when an abnormal condition occurs in the harness mechanism.

1,636,928. VEHICLE LIGHT LENS. OTTO STENZEL, Salt Lake City, Utah. Filed Apr. 24, 1926. Serial No. 104,206. 1 Claim. (Cl. 240—41.)

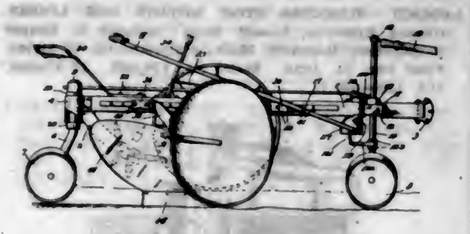
In a safety light for vehicles, the combination of a headlight; a frame on said headlight; another smaller frame to be secured to said first mentioned frame at an

angle of forty-five degrees to the front of said frame; a colored lens carried in said second mentioned frame; a



lug on said second mentioned frame; a clamp on the end of said lug and a screw to clamp said lug and clamp to said headlight frame.

1,636,929. AGRICULTURAL MACHINE. THOMAS M. THOMPSON, Great Falls, Mont., assignor of one-half to Archie B. Wilson, Great Falls, Mont. Filed Mar. 31, 1926. Serial No. 98,876. 6 Claims. (Cl. 97—121.)



1. An agricultural machine comprising a beam, carrying arms secured to the beam and converging laterally therefrom, the meeting ends of said arms being hingedly connected, and a turning disk rotatably mounted upon the forward supporting arm.

1,636,930. CLAMP FOR SCAFFOLDS. ALFONSO VILA, Guanabacoa, Cuba. Filed Oct. 14, 1926. Serial No. 141,625. 1 Claim. (Cl. 304—40.)



A clamp for scaffolds comprising two plates extending in parallel and each having straight portions at its ends, one of which is longer than the other, and having at the middle a portion bent in a U-shape, and said U-shaped portions being oppositely located in regard to each other in order to leave an open space between them, said longer straight portions having raised projections oppositely located, screws loosely mounted through holes in the straight end portions of said plates and provided with tightening nuts, and screws mounted through threaded bores in projecting portions of said raised projections.

1,636,931. METHOD TO INCREASE THE CROPS OF PLANTS AND FRUITS. ALEX WENDLER, Charlottenburg, Germany, assignor to Julius Falck, Berlin-Tempelhof, Germany, and Charles Henry Huberich, the Hague, Netherlands. Filed Apr. 15, 1926, Serial No. 102,304, and in Germany Apr. 22, 1925. 1 Claim. (Cl. 47—58.)

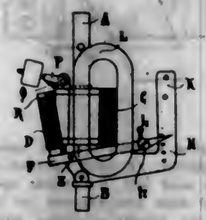
Improvements in method to increase the crop of plants and fruits by covering the soil with waterproof material as paper or the like, which contains electric conducting wires loaded by generators or by atmospheric electricity.

1,636,932. INTERLOCKING ELECTRIC SWITCH. WILBUR B. BURKE and EDWARD G. WEILER, East Cleveland, Ohio; said Weiler assignor to said Burke. Filed July 5, 1923. Serial No. 649,448. 3 Claims. (Cl. 200—50.)



1. In mechanism of the character described, the combination of an electric switch of the knife type, a pivotally hung door, a plunger adapted to project into the path of movement of said door, a link connecting said plunger with said switch, a stop on said door arranged to lie in the path of said plunger except in closed position of said door, and a latch adapted to engage with said link to retain said switch closed and said plunger projected.

1,636,933. RELAY. LOUIS JEAN GIRARD, Thionville at Suresnes, France. Filed Nov. 6, 1925, Serial No. 67,284, and in France Dec. 12, 1924. 10 Claims. (Cl. 175—336.)

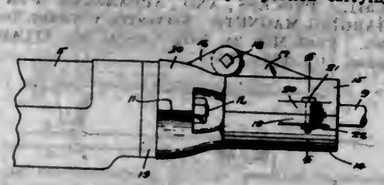


1. An electro-magnetic relay, comprising a stationary body portion; a magnet carried thereby and embodying an annular core provided with a lateral opening, and a winding encircling said core; an armature shaped to fit conformably in the core opening; a lever pivoted intermediate its ends to the stationary body portion of the relay below said core and carrying the armature on one end thereof; and an adjustable stop carried by said body portion for engagement by the other end of the lever to determine the normal position of the armature with relation to the core.

1,636,934. ROCK-DRILL HOLDER. WALTER H. GOODLAND and JOHN H. GOODLAND, Butte, Mont. Filed Feb. 9, 1921. Serial No. 443,561. 1 Claim. (Cl. 121—32.)

In a rock drill, a substantially annular head provided at its ends with internal shoulders and having diametrically opposite outstanding ears provided with holes for passage of fastenings for securing the head to the

cylinder of a machine, said head being further provided on its top with upstanding spaced lugs and being also equipped with a reduced forwardly projecting transversely curved portion forming one-half of a drill holder, a correspondingly shaped curved portion co-acting with said first named curved portion to complete the drill holder, said correspondingly shaped portion carrying an



external vertical rib having its inner end disposed between said lugs and pivotally connected thereto, both of said drill holding portions being provided at their meeting edges with lateral ears having alined holes for passage of fasteners for securing the two portions together, and a sectional longitudinally split bushing fitted into the drill holding portions and bearing against the outer one of the aforesaid shoulders.

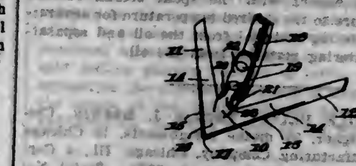
1,636,935. ONE-PIECE PLUNGER BODY. HENRY M. GREEN, Los Angeles, Calif.; Pacific Southwest Trust & Savings Bank, administrator of said H. M. Green, deceased, assignor to Patrick H. Bray. Filed July 20, 1925, Serial No. 44,851. Renewed May 31, 1927. 3 Claims. (Cl. 74—109.)



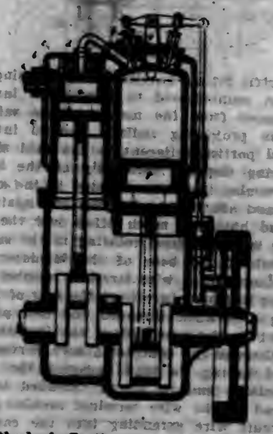
1. A pump plunger having a one piece tubular body having cylindrical portions provided with longitudinally spaced, annular, external shoulders and conical base portions opposed to the shoulders, and stacks of packing arranged between the shoulders and expansively acted upon by the said conical portions under load; said packing being free to work between the shoulders as the packing wears down.

1,636,936. CULTIVATOR. FRANCIS GERMAN GREGOR, Rosetown, Saskatchewan, Canada. Filed Nov. 21, 1925. Serial No. 70,601. 1 Claim. (Cl. 97—207.)

A cultivator blade comprising a substantially V-shaped plate formed with a flat under surface and an outwardly and downwardly slanting upper surface, a curved central shank integral with the plate and having formed adjacent the blade in the forward surface thereof at each side substantially semi-circular recessed portions and a rounded ridge between said recesses whereby, in combination with the outwardly slanting top surface of the plate, the soil in operation is more readily and with less draft thrown off.

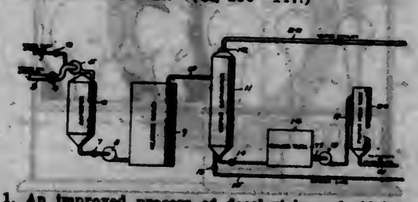


1,636,937. MOTOR WITH EXTRA COOLING OF THE AIR OR FUEL MIXTURE BEFORE ADMISSION INTO THE WORKING CYLINDER. OSCAR WALFRID HULT, Stockholm, Sweden. Filed July 25, 1924, Serial No. 728,232, and in Sweden Nov. 28, 1923. 5 Claims. (Cl. 123—70.)



1. The method of effecting a double cooling of a gaseous mixture to be used in an internal combustion engine, consisting in first compressing said mixture and simultaneously subjecting the same to a cooling action, then allowing the mixture to expand during further cooling and finally introducing the mixture into the engine.

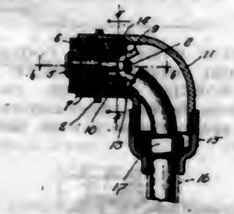
1,636,938. ART OF DECOLORIZING, CLARIFYING, AND PURIFYING PETROLEUM OILS. HAROLD LESTER KAUFFMAN and IRWIN ARTHUR CLARK, Denver, Colo., assignors, by mesne assignments, to said Kauffman. Filed Nov. 11, 1924, Serial No. 749,353. Renewed Feb. 25, 1927. 6 Claims. (Cl. 196—147.)



1. An improved process of decolorizing, clarifying and purifying petroleum oils which consists in mixing the oil by any suitable means with untreated, finely divided clays containing enough water to form a viscous, cohesive mass sufficiently fluid to be pumped through pipes, passing the mixture through a suitable heating device without heating the mixture to a temperature in excess

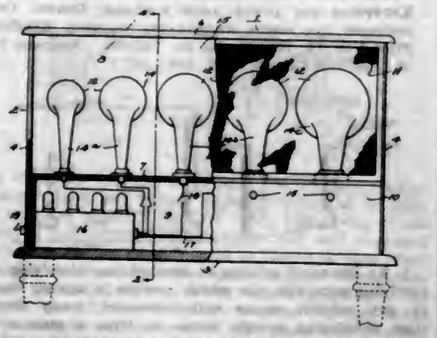
of the boiling point of the oil being treated, then steaming down the hot oil and clay mixture to a temperature somewhat in excess of the boiling point of water and drawing off the vapors with the spent steam, further cooling the mixture to the desired temperature for separating the spent filtering material from the oil and separating the spent filtering material from the oil.

1,636,939. ANGLE PLUG. THOMAS J. KERWIN, Chicago, Ill., assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,733. 1 Claim. (Cl. 173—328.)



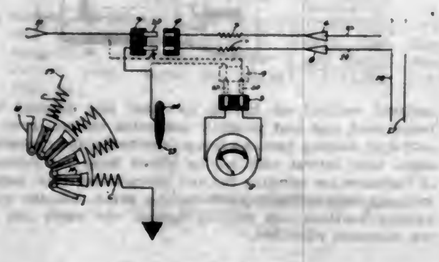
In an electric fitting, an elbow-shaped casing having its forward arm counterbored to provide an inner annular shoulder spaced from the mouth of the said arm and having a fin projecting radially inward into the said counterbored portion adjacent to the said shoulder, the shoulder being disposed forwardly of the bend of the casing; a tubular insulator socketed in the said counterbored arm and abutting at its rear end against the said shoulder and having a notch fitted over the said fin to prevent the insulator from rotating in the said arm, the forward part of the bore of the insulator being contracted in diameter; a wire terminal member slidably inserted in the insulator bore from the rear of the insulator and having a forward threaded end and presenting an eye adjacent to the rear end of the insulator; a screw extending through the contracted bore portion of the insulator and having its head engaging the forward end of the insulator and its shank threaded into the said threaded end of the wire terminal member; and an insulated circuit wire extending into the casing through the other arm of the casing and having a bared end extending through the eye of the terminal member and clamped against and kinked into the rear end of the insulator bore.

1,636,940. REPRODUCER FOR RADIO RECEIVING APPARATUS. THEODORE LINDENBERG, Columbus, Ohio. Filed Jan. 13, 1926. Serial No. 80,917. 3 Claims. (Cl. 181—27.)



1. A reproducer for radio receiving apparatus comprising a plurality of reproducing units, said units being formed to include amplifying sections, one of said sections having the walls thereof formed from wood, another section from metal and a third from a moulded composition material, and means permitting said units to be simultaneously energised.

1,636,941. PROCESS AND APPARATUS FOR RECHARGING MAGNETS. SYLVESTER V. LOSBY, Detroit, Mich. Filed May 24, 1926. Serial No. 111,449. 2 Claims. (Cl. 175—21.)



1. In a process of recharging magnets of magnetos of the Ford type, the herein described steps which consist in passing through the field coil circuit an impulse from an alternating current to de-energise the magnets, and subsequently passing an impulse from the same alternating current to energise the magnets.

1,636,942. PROCESS FOR PREPARING WATER-SOFTENING MATERIALS. GEORGE W. PRATHER, Des Moines, Iowa. Filed Aug. 10, 1916. Serial No. 114,271. 4 Claims. (Cl. 23—111.)

1. The process for forming a filtering and water softening material which consists of drying a mineral having for its base a hydrated silicate of aluminum until practically all the uncombined moisture is driven off, reducing such mineral to particles of suitable size by mechanical means, then baking such mineral at a high temperature in the presence of sodium hydroxide (NaOH) until the hydroxide melts and thoroughly permeates the mineral and the particles are rendered hard and finally washing the mineral free of excess sodium hydroxide.

1,636,943. KNIT FABRIC. ROBERT ROTHMAN, Brooklyn, N. Y. Filed Feb. 5, 1925. Serial No. 7,006. 5 Claims. (Cl. 66—194.)



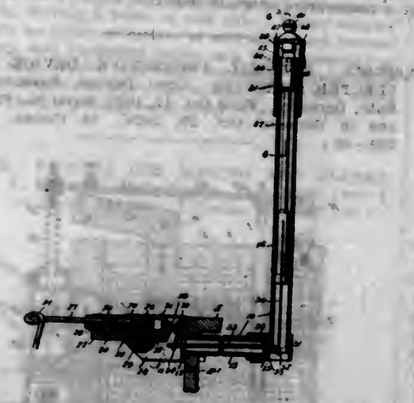
1. A knit fabric comprising a series of wales each consisting of interknitted loops, the thread from a loop of one wale being extended over at least one wale of the same course to form a float and interknit with a loop in a wale of the same course at least two loops distant from the first loop, the thread from a loop of the wale in the same course next the first wale being arranged in like manner and floated over the second loop to which the first thread is interknit whereby each loop is crossed by a plurality of float threads, each course also having a backing thread engaging all of the loops of the next succeeding course.

1,636,944. ANCHOR DAVIT. BEOR MAX SCHAUMAN, New York, N. Y., assignor to Margaret Woolman Cantwell, New York, N. Y. Filed July 6, 1926. Serial No. 120,774. 9 Claims. (Cl. 114—210.)



1. In combination, a carriage mounted for horizontal travel upon the deck of a vessel, a davit pivotally supported at one of its ends on said carriage, a sheave mounted in the other end of the davit, an anchor, and a flexible element trained over the sheave and connected with said anchor, means for locking the davit against tilting movement on the carriage during the travelling movements of the carriage but releasing the davit at the end of the movement of the carriage in one direction, means controlled by the weight of the anchor when the davit is released for pivotal movement to swing the davit upon the carriage to a horizontally extended position with respect thereto, means for actuating the carriage, and means for operating said flexible element to lower and raise the anchor relative to the davit.

1,636,945. STOP-MOTION DEVICE FOR SPINNING FRAMES. HENRY E. VAN NESS, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y., a Corporation of New York. Filed Sept. 17, 1925. Serial No. 56,794. 29 Claims. (Cl. 117—32.)

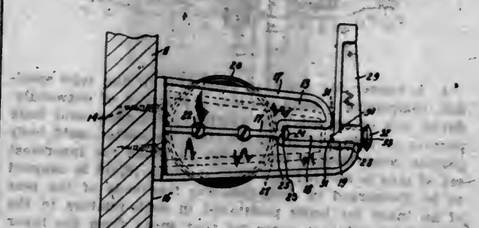


1. A stop-motion device, which comprises a pipe-like frame, a trigger and a breaker at opposite ends of the frame, and elements located within the frame and movable longitudinally thereof to connect the trigger with the breaker.

1,636,946. PURIFICATION OF OILS. FRIEDRICH W. WEBER, Hackensack, N. J. Filed Mar. 18, 1926. Serial No. 95,900. 5 Claims. (Cl. 196—44.)

5. The method of purifying crude petroleum and the various distillates obtained therefrom by means of sulfuric acid, said method comprising agitating the oil, adding sulfuric acid to said oil forming a sludge thereby, separating the sludge from the acid oil mixture, agitating the acid oil mixture, adding to the agitated acid oil mixture a colloidal ferric chloride liquor, containing basic ferric chloride and the basic chlorides of rare earth metals, thereby precipitating ferric hydroxide, adding an excess of a practically saturated solution of sodium silicate to the reaction mixture, thereby immediately causing a voluminous heavy precipitate of silicon hydroxide and of the hydroxides of the rare earth metals, causing the combined metal hydroxides and the excess of the aforesaid sodium silicate solution to settle out from the oil, separating the aforesaid mixture of metal hydroxides and the excess of the sodium silicate solution from the oil, and distilling the same in any of the well known ways.

1,636,947. DOOR FASTENER. ARNOLD ZUKOR, New York, N. Y. Filed July 24, 1926. Serial No. 124,655. 1 Claim. (Cl. 292—194.)



The combination with a door frame and a door hinged thereto, of a bracket attached to the door adjacent its free vertical edge, said bracket being provided with a horizontal slot extending from the free end thereof toward its attached end, a ledge on said bracket forming a continuation of the lower edge of said slot and projecting beyond the body portion of said bracket, a bracket secured to the door frame in alignment with said first mentioned bracket, a latch pivotally mounted upon said second-mentioned bracket and adapted to rest on said ledge and to enter said slot when said door is partially opened, and coacting means on said second-mentioned bracket and said latch for keeping said bracket both in its operative and inoperative positions, at will.

1,636,948. TIRE PROTECTOR. HIRAM C. ANDERSON, New York, N. Y. Filed Dec. 3, 1924. Serial No. 753,644. 5 Claims. (Cl. 152—33.)



4. In a tire construction, the combination with a pneumatic tire, of an outer wheel structure supported thereby comprising a rim structure and cushioning means carried thereby, said rim structure comprising an outer rim member having a pair of annular flanges one of which is arranged to abut against a side of said tire when the other flange is slipped axially thereover, and an auxiliary

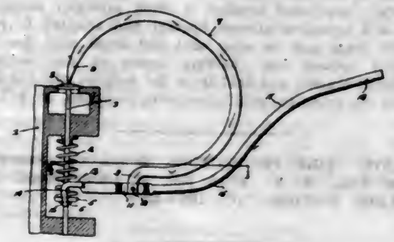
rim member comprising a pair of annular flanges and forming in conjunction with said outer rim member a substantially triangular section to act as a supporting abutment in co-operation with the outer rim member for said tire at the opposite side thereof and adjacent to the central plane of the tire.

1,636,949. SPRAYING APPARATUS. EDWIN M. BASSLER, Milwaukee, Wis. Filed Apr. 17, 1924. Serial No. 707,080. 11 Claims. (Cl. 299—63.)



1. A runner for spraying apparatus of the type specified, comprising a body portion, a plurality of outwardly-flared sets of spaced pins which project from said body portion at different distances from its center, said body portion comprising a central disk in which the innermost set of pins is secured and against which liquid is adapted to be discharged in operation, the free ends of the pins of an inner set being positioned in such relation to the pins of an adjacent outer set that spray from the inner set of pins will be discharged across the path traversed by the pins of said adjacent outer set.

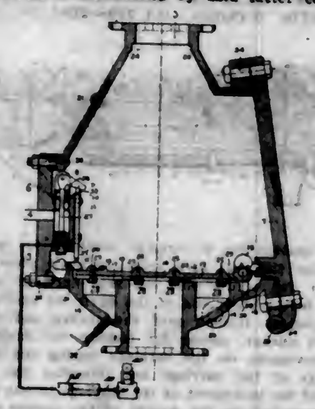
1,636,950. VALVE-SPRING LIFTER. RYNERR E. BROWN, Holdenville, Okla., assignor of one-half to Albert Stanley Bailey, Holdenville, Okla. Filed Aug. 19, 1926. Serial No. 130,233. 1 Claim. (Cl. 29—86.3.)



A valve spring lifter comprising a substantially C-shaped suspension member having a pointed end at its top adapted to rest upon a valve head, the opposite end of the member terminating in a downturned extremity, and said extremity being located at a point spaced from a line extending in alignment with the first named end, an operating lever pivotally connected at a point between its ends to the downturned extremity of said suspension member, said lever having means on its outer end for engaging a valve spring cup, the opposite end of the lever being directed upwardly, and terminating on a plane opposite the central portion of said C-shaped suspension member.

1,636,951. PIPE VALVE. HARRY CAMPBELL, Mariners Harbor, N. Y., assignor of twenty-five per cent to Roger Thompson Butts, twenty per cent to Ernest Wilson Butts, and twenty per cent to Robert Starr Allyn, New York, N. Y. Filed June 1, 1923. Serial No. 642,853. 13 Claims. (Cl. 169—23.)

1. A dry pipe valve comprising a casing having a water inlet at the bottom and a water outlet at the top, a water valve hinged in the casing for said inlet, said casing having openings on opposite sides, a cover plate for one of said side openings to permit access to said water valve, a cover plate for the opposite side opening, an air supply valve carried by said latter cover plate

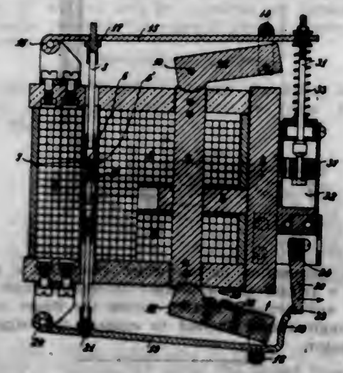


normally admitting air pressure on top of said water valve and means actuated by the opening of the water valve to close said air supply valve.

1,636,952. PROCESS OF PRODUCING ACETALDEHYDE. AUGUSTUS E. CRAVER, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed Mar. 13, 1922. Serial No. 543,493. 6 Claims. (Cl. 260—138.)

1. The process of producing acetaldehyde, which comprises passing ethyl alcohol in the vapor phase and an oxygen-containing gas into contact with vanadium oxide at a temperature of about 300° C.

1,636,953. THERMAL PROTECTIVE DEVICE FOR ELECTRIC CIRCUITS. OTTO DREYER, Essen-on-the-Ruhr, Germany. Filed Oct. 17, 1925, Serial No. 62,979, and in Germany Oct. 20, 1924. 18 Claims. (Cl. 200—88.)

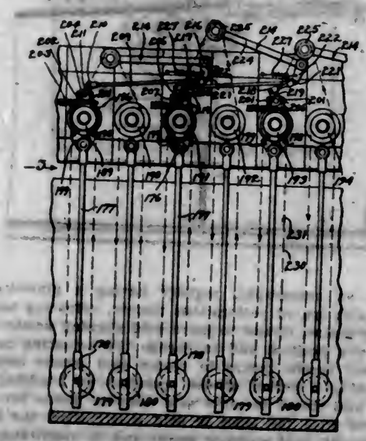


1. A thermoelectric controller for electric circuits embodying an electro-magnet, an armature influenced thereby, thermally controlled means for locking and releasing said armature, and a retarder governing the movement of said armature upon the release thereof.

14. A thermoelectric controller for electric circuits comprising a pair of comparatively strong and weak electro-magnetic coils, armatures influenced thereby, thermally controlled means for locking at least the armature of said comparatively strong electro-magnetic coil from action

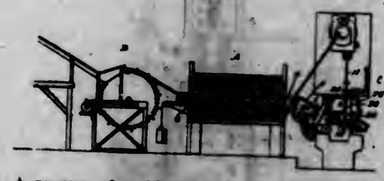
and releasing the same so as to be attracted by its coil, a retarder governing the action of the armature of said comparatively strong coil, and a mechanical locking device for holding from action the armature of said comparatively weak coil, said mechanical locking device being releasable by the movement of the armature of said comparatively strong coil upon the release thereof.

1,636,954. AUTOMATIC FILM-TENSIONING MECHANISM. FRANK E. GARBUTT, Los Angeles, Calif. Filed Mar. 2, 1926. Serial No. 91,697. 6 Claims. (Cl. 271—2.3.)



1. In a film apparatus, the combination of: pairs of upper and lower rollers having a film wound thereabout; means for driving a roller of said pairs; brakes adapted to operate on rollers of certain of said pairs; and tensioning levers, said tensioning levers each being connected to two of said brakes, and said tensioning levers being operated by said film when the tension of said film varies so as to change the rotational speed of said rollers.

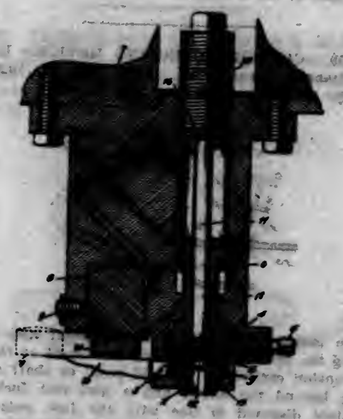
1,636,955. PROCESS FOR MAKING NUT BLANKS. JOHN F. GOLDING, Philadelphia, Pa. Filed Oct. 2, 1924. Serial No. 741,267. 7 Claims. (Cl. 10—86.)



1. A process of making nut blanks from metal, which consists in heating the metal to make it sufficiently soft to be cut smoothly, and then cutting the metal along all the vertical sides of the nut blank to be produced and removing the exterior trimming to form the desired smooth faces of the blank and also, during the restrainment of the metal from outward flow by the side cutting means, cutting the metal from the middle of the blank to form a smooth perforation.

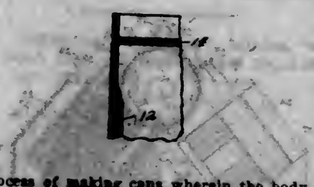
1,636,956. PROCESS OF MAKING NUT BLANKS. JOHN F. GOLDING, Philadelphia, Pa. Filed Apr. 24, 1926. Serial No. 104,477. 3 Claims. (Cl. 10—86.)

2. A process of making nut blanks from metal, which consists in heating the metal to make it sufficiently soft to be cut smoothly, and then cutting the metal along all the vertical sides of the nut blank to be produced and removing the exterior trimming to form the desired faces of the blank, and removing the metal from the middle of the blank to form a perforation, and restrict-



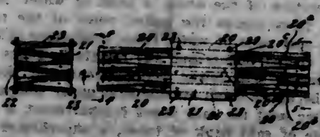
ing the outflow of the metal from within the blank, and regulating the amount of metal in the body of the blank by causing the cutting of the sides of the blank to begin prior to the beginning of the formation of said perforation.

1,636,957. CREASED FLANGE. JAMES A. GRAY, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a Corporation of New York. Filed June 11, 1920. Serial No. 388,121. 6 Claims. (Cl. 113—116.)



1. A process of making cans wherein the body and end are provided with flanges adapted to be interfolded to form an hermetic seam, which consists in forming a cylindrical body of sheet metal with the edges secured together in a side seam, creasing the material across the side seam at the point of flange-bend whereby the inner overlapping part may stretch in being bent to provide the body-flange, forming a flange on said body, and seaming the end in place on said body.

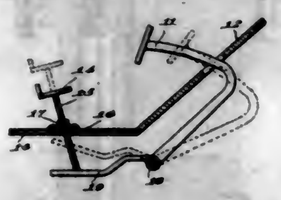
1,636,958. HEAT-TRANSFER DEVICE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 580,002. 18 Claims. (Cl. 257—166.)



4. A heat-transfer device comprising a pair of symmetrically and oppositely disposed channels separated by a heat-conducting wall, each of said channels having each

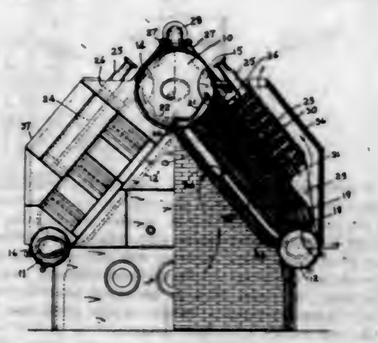
end generally triangular in cross-section and progressively changing to a rectangular cross-section for a portion of the length of channel between the ends, one of the channels having an entrance at one end and an exit at the other end, each located on the side of the channel at the base of the triangular section.

1,636,959. CLUTCH-PROTECTING DEVICE. CHARLES M. HIBBETS, Claude, Tex. Filed Aug. 23, 1926. Serial No. 131,069. 8 Claims. (Cl. 74—81.)



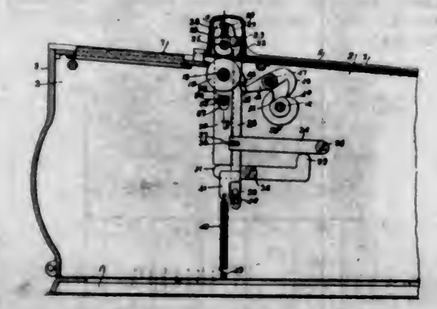
1. In combination with a clutch pedal and a shaft forming the fulcrum of swinging movement of the pedal, an extension carried by the said pedal or shaft and projecting beyond the shaft, and a heel rest including a rest plate disposed in line with the foot pedal to receive the heel of a foot when the forward portion of the foot rests on the foot pedal, and a rigid stem depending from said plate, said stem being shiftable lengthwise with the heel plate and resting at its lower end upon the said extension of the clutch pedal or shaft.

1,636,960. WATER-TUBE BOILER. WILLIAM D. HOXIE, Westerly, R. I., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 20, 1920. Serial No. 431,975. 2 Claims. (Cl. 122—478.)



1. A steam boiler comprising an upper drum having a compartment therein and shorter than the length of the drum and smaller in cross-section than the cross-section of the drum, a lower drum having a compartment therein extending longitudinally of the drum for substantially the full length thereof and smaller in cross-section than the cross-section of the drum, a bank of water tubes arranged in rows across the boiler, some of the tubes of one of the rear rows of water tubes connecting said upper and lower compartments and the remaining tubes of said row connecting said lower compartment and the water space of the upper drum outside said upper compartment, a feed water inlet for said upper compartment, a furnace on one side of said bank of tubes, a superheater on the side of said bank opposite the furnace, said superheater having tubes longer than the length of said upper compartment and extending transversely across the water tubes, and baffling arranged to direct the furnace gases into and across the upper end of said bank, then across the superheater tubes and then again across the water tubes.

1,636,961. AUTOGRAPHIC REGISTER. PHILIP A. JACKSON, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed May 27, 1926. Serial No. 112,145. 7 Claims. (Cl. 282—21.)



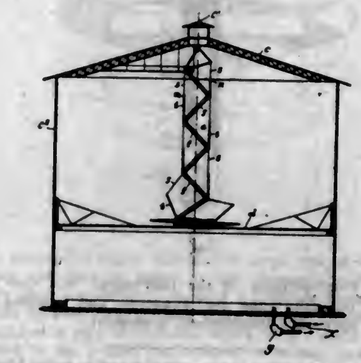
1. In an autographic register having a plurality of sheets with spaced perforations therein, actuating means, aligning means, means to move said aligning means into inoperative position and to engage the actuating means with said sheets, means to render said means inoperative during a period of the operation of handling the sheets, and means to move said aligning means into engagement with the holes in said sheets when the holes pass beneath said aligning means and to simultaneously render said actuating means inoperative, and a common actuator for operating said several means.

1,636,962. HYDRAULIC MOLDING PRESS. CONRAD C. JACOBSON, Glen Ridge, N. J., assignor to John Robertson Co. Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 2, 1926. Serial No. 99,284. 3 Claims. (Cl. 25—91.)



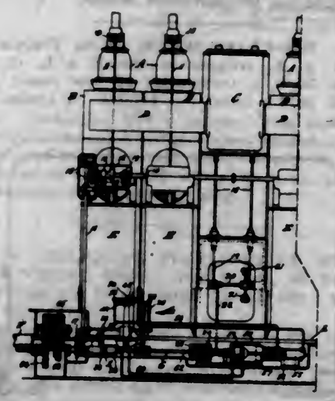
1. A hydraulic molding press comprising a molding chamber open at opposite ends, plungers adapted to enter such ends, and hydraulic cylinders and rams for moving said plungers, combined with indicating means comprising indicators connected to move with the respective plungers, and a stationary part traversed by said indicators, whereby to show the movements within the molding chamber of the respective plungers.

1,636,963. SCALING MEANS FOR USE IN GASOMETERS INCLOSING A VERTICALLY-SLIDABLE BODY. KONRAD JAOSCHITZ, Mainz, Germany, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuremberg, Bavaria, Germany, a Corporation of Germany. Filed July 7, 1923, Serial No. 650,020, and in Germany Feb. 5, 1923. 10 Claims. (Cl. 48—176.)



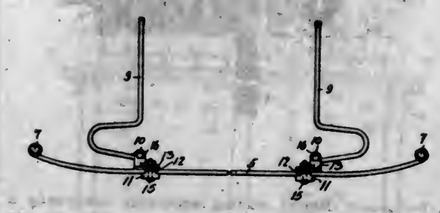
10. A scaling means for a gasometer consisting of a tank having a crown provided with a manhole, and a slidable closure within said tank arranged to rise and fall therein; comprising a collapsible member depending from said crown to said closure and automatically extensible and foldable as said closure moves downwardly and upwardly within said gasometer, and tread members on said collapsible member to provide access to said closure through said manhole at all times.

1,636,964. REVERSING AND STARTING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. OLAV ESKIL JORGENSEN, Forest Hills, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 26, 1924. Serial No. 752,492. 12 Claims. (Cl. 60—16.)



1. In a reversible internal combustion engine, the combination with operating devices that are actuated at different crank angles in the reverse operation, of a rotating shaft controlling the crank angle at which such devices are operated, said shaft being mounted to move longitudinally, and means by which the longitudinal movement of said shaft rotates said shaft to change the operating crank angle of said devices for reverse operation of the engine.

1,636,965. VEHICLE BUMPER. WILLIAM R. MCGOWEN, McKees Rocks, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Apr. 10, 1926. Serial No. 101,083. 2 Claims. (Cl. 293—55.)



1. The combination with a pair of vertically spaced bumper bars, of a fitting comprising a face plate having flanges engaging an edge of each of the bars to hold the same against relative vertical movement in one direction, a backplate having a projection engaging the other edges of the said bars, the said projection being shorter in length than the thickness of said bars, an offset portion on said backplate in position to engage the rear surfaces of the bars, vertically spaced perforated lugs on said offset portion for supporting a pivot bolt, and a bolt extending between said bars and through said plates for holding the plates in clamping engagement with the bars.

1,636,966. PEDESTAL. DARIUS V. MARTIN, Wildwood, N. J. Filed June 29, 1926. Serial No. 119,290. 7 Claims. (Cl. 273—102.)



1. In a game in which a ball is thrown with the object of knocking targets from a support, a pedestal adapted when hit by a thrown ball to deflect the ball downwardly or to one side including a standard having its side faces

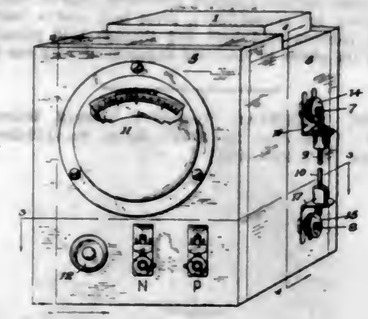
diverging from the front toward the rear, and a platform on the standard adapted to support the targets on its upper face and having its under face diverging from the edge of the upper face.

1,636,967. PERMANENT-MARCEL-WAVE APPARATUS. ELSIE PERRY, New York, N. Y. Filed May 13, 1926. Serial No. 108,756. 6 Claims. (Cl. 132—33.)



1. Permanent Marcel waving apparatus comprising a flat support having notches along its opposite edges in combination with a tape tightly securing a strand of hair in wavy form against the support.

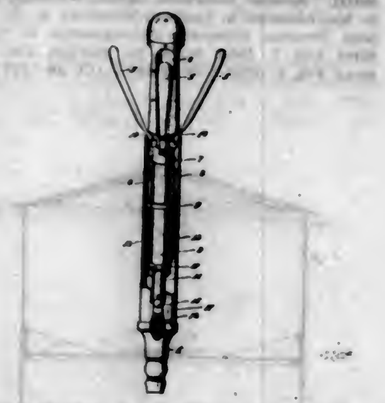
1,636,968. COIL TESTER. FRANK PUCILLO, Bridgeport, Conn. Filed Mar. 7, 1924. Serial No. 697,450. 1 Claim. (Cl. 175—183.)



A spark gap as an article of manufacture, comprising a support, a pair of studs projecting laterally in spaced relation from one side wall of said support, a pair of angle brackets adjustably mounted on said studs for rotative and lateral sliding adjustment, the free ends of said brackets extending laterally from said support, rod members adjustably mounted in the free ends of said brackets, and a spark plug holding clamp mounted on said support between and at one side of the plane of the said studs.

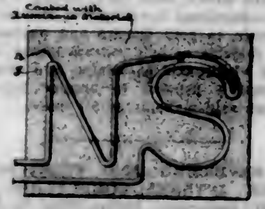
1,636,969. DOUCHE NOZZLE. JAY ROSE, Brooklyn, N. Y., assignor, by mesne assignments, to Henry Eisenstadt, Brooklyn, N. Y. Filed May 14, 1919. Serial No. 297,062. Renewed Mar. 3, 1927. 17 Claims. (Cl. 128—244.)

1. A douche nozzle comprising a tube, a plurality of dilators movably supported on said tube in position to lie wholly within the cavity to be irrigated and terminating short of the end of the tube, an actuating member for said dilators carried by said tube in position to lie wholly without said cavity, connections between said dilators and said actuating member comprising means for shifting the



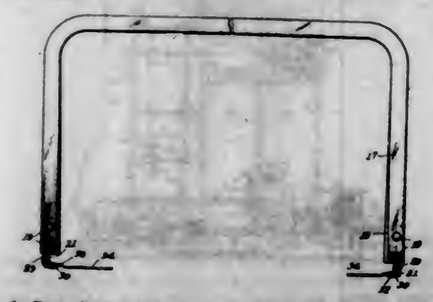
dilators longitudinally of the instrument, and cam projections on said tube for engaging and opening the dilators upon said longitudinal movement.

1,636,970. PROCESS AND APPARATUS FOR LIGHTING. NATHAN SULZBERGER, New York, N. Y. Filed May 12, 1922. Serial No. 560,500¼. 2 Claims. (Cl. 176—16.)



1. A process for producing displays, comprising subjecting to the influence of light a luminescent surface and maintaining certain parts of said surface at different temperatures whereby a greater or less luminescity is produced at the points subjected to varying temperatures, thus bringing out pre-determined designs.

1,636,971. BAG-FRAME HINGE. HUGO TUECKMANTEL, Newark, N. J., assignor to The T. & L. Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Oct. 12, 1926. Serial No. 141,044. 4 Claims. (Cl. 16—128.



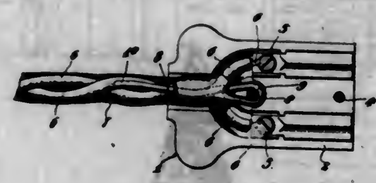
1. Bag frame hinges comprising two plates having right angled extensions on portions of their outer edges, a joint plate pivotally engaging said plates intermediately, and stops on said joint plate limiting the movement of the plates to a parallel position.

1,636,972. GARMENT HANGER. SENA MAE WARD and EUNICE S. SUTTON, New York, N. Y. Filed May 29, 1925. Serial No. 33,699. 1 Claim. (Cl. 223—62.)



A garment hanger having one edge contoured to fit within and hold in shape a yoke garment, and the opposite edge contoured to support a yokeless garment, and having between said edges a longitudinally extending slot to support a pair of trousers, and a hook having a shank pivoted to the hanger and adapted to extend transversely thereof beyond either of the said edges to support the said plate with either of the edges at the top, the hook pivoted to the hanger between the slot and the first named edge so that when the last named edge is uppermost the hook shank will extend across the slot to prevent the insertion of trousers in the slot, thus serving as an indication of the proper arrangement of the hanger for yoke garments.

1,636,973. EXTENSION CORD FOR ELECTRICAL APPLIANCES. JESSEE M. WHITE, Philadelphia, Pa. Filed Feb. 10, 1925. Seial No. 8,116. 3 Claims. (Cl. 173—322.)

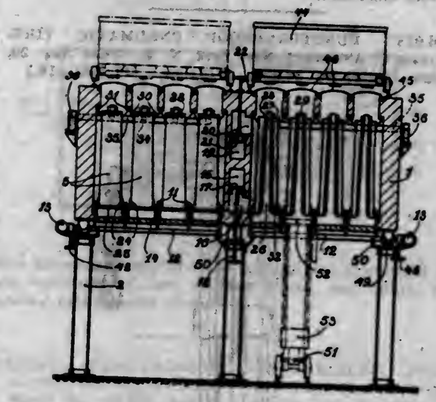


1. In combination with a terminal plug having wires connected thereto, a covering braided around the wires; a looped cord having one end connected with the covering and having an end secured within the same, and means for connecting the loop to the plug.

1,636,974. SELECTIVE FLOTATION OF MINERALS FROM CRUDE ORES. OBA WISER, El Paso, Tex. Filed June 21, 1926. Serial No. 117,639. 6 Claims. (Cl. 209—167.)

1. The process of selective flotation of ores containing lead, zinc and iron sulfides, which consists in first subjecting the ore pulp containing ore in divided condition to the action of a dulling agent comprising sulfurous acid, in proportion corresponding to less than one and one-half pounds and more than one twentieth pound of sulfur per ton of ore, and then subjecting the ore pulp while in approximately neutral condition, to flotation and to float the lead sulfide while retaining the zinc and iron sulfides largely in the pulp.

1,636,975. RETORT OVEN FOR LOW-TEMPERATURE CARBONIZATION. PIERRE CHARLES ZUYDERHOUDT, Brussels, Belgium; Madam Fanny Zuyderhoudt executor of said Pierre Charles Zuyderhoudt, deceased. Filed Sept. 27, 1924, Serial No. 740,238, and in Belgium Oct. 22, 1923. 19 Claims. (Cl. 202—9.)

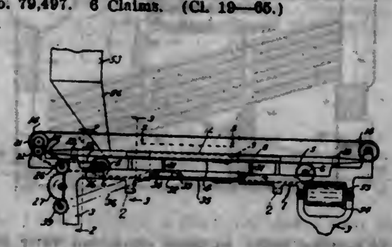


1. In a retort oven for low temperature carbonization, the combination of a plurality of chambers connected in an endless series, means for heating said chambers, a battery of retorts in each of said chambers, means for connecting each chamber with the two adjoining chambers, an air inlet and a gas outlet for each chamber, and under said chambers a discharging room at least as high as said retorts.

1,636,976. LUBRICATING COMPOSITION AND PROCESS FOR MAKING THE SAME. STEPHEN RENÉ ADLER, New York, N. Y. Filed May 27, 1925. Serial No. 33,293. 3 Claims. (Cl. 87—9.)

2. A composition of matter for lubricating the screw posts of musical instruments and similar devices, the constituent ingredients of said composition consisting of a vegetable oil, petroleum jelly, precipitated chalk and powdered graphite, and sodium hydroxide solution, the vegetable oil being saponified by the sodium hydroxide solution and partly precipitated by the calcium compound formed by the double decomposition between the powdered chalk and the sodium hydroxide solution.

1,636,977. METHOD AND APPARATUS FOR SUPPLYING FIBROUS MATERIAL IN ALIGNED CONDITION. EVALD ANDERSON, Alhambra, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 5, 1926. Serial No. 79,497. 6 Claims. (Cl. 19—65.)



1. The method of supplying fibers of nonconducting material in aligned condition, which comprises subjecting a fibrous aggregate of such material in divided con-

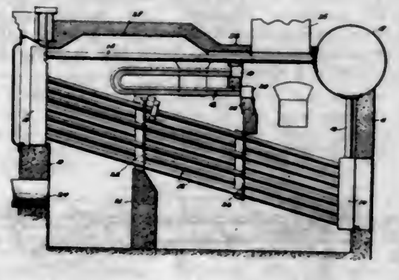
dition to an electrostatic field so as to effect alignment of the fibers in a direction substantially parallel to the lines of force of such field, and then removing such fibers from the region of the electrostatic field and delivering the fibers while maintaining their aligned condition for subjection to a subsequent operation requiring such alignment.

1,636,978. PUNCTUREPROOF PNEUMATIC TIRE. HIRAM C. ANDERSON, New York, N. Y. Filed Aug. 29, 1925. Serial No. 53,337. 2 Claims. (Cl. 152—18.)



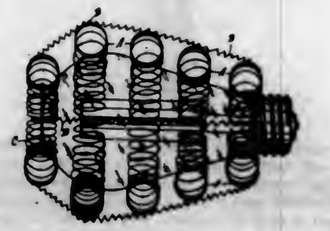
1. A tire casing consisting of a resilient member reenforced at its inner surface adjacent to its tread by an annular member bearing securely against the resilient member, said annular member being substantially of arcuate cross section adjacent to said tread portion, the tread portion being relatively heavy and the sides of the casing being hollowed out to provide inwardly opening annular side pockets disposed between said sides and the circle formed by extending the arc of the annular member, the annular member having annular side flanges entering the pockets and bearing against the body of the casing and in the direction of the tread portion thereof.

1,636,979. WASTE HEAT BOILER. HARRY SPENCER BENNETT, Bethlehem, Pa., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed May 14, 1920. Serial No. 381,332. 8 Claims. (Cl. 122—7.)



1. In a steam boiler, an upper steam and water drum, horizontally inclined water tubes and connections between the same and said steam and water drum and comprising horizontal water and steam circulators, a baffle extending across the tubes, a roof located above said circulators, the portion of the roof above said baffle being elevated substantially above the circulators and providing a free unobstructed space between the circulators and the roof, and a superheater entirely located beneath said circulators, but not extending across the space above the first pass, whereby the gases from the first pass sweep upwardly over the circulating tubes into said space and thence downwardly over said circulating tubes and over the superheater tubes to the second pass.

1,636,980. LIGHT-GLOBE PROTECTOR. LA FAYETTE BENNETT, Salt Lake City, Utah. Filed Dec. 7, 1925. Serial No. 73,620. 2 Claims. (Cl. 240—102.)



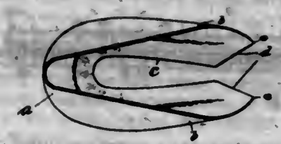
1. A light globe protector consisting of pieces of fine spring wire formed as coil springs with the ends of the wire fastened together giving each coil spring an annular band form; other pieces of fine spring wire formed as spiral springs, with some of the convolutions of the spiral springs engaging some of the convolutions of the coil springs to space them apart; and a wire band within the annular coil spring at one end of the protector.

1,636,981. ARTIFICIAL TREE. HARRY L. BERMAN, Baltimore, Md. Filed Feb. 1, 1927. Serial No. 165,189. 4 Claims. (Cl. 41—15.)



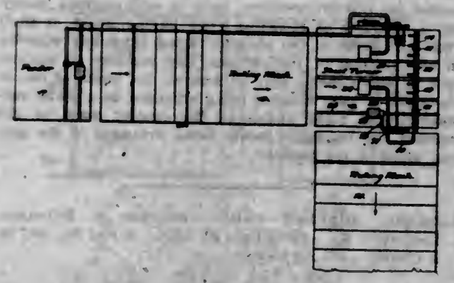
1. An imitation tree composed of a triangular form of corrugated board and a rope cover, said rope being attached to said form at the apex, tightly wound at the apex and wound less tightly and spirally from the apex to the bottom of the form, tucked in at the bottom of the form and unsecured to the form between the apex and bottom.

1,636,982. SHOE COUNTER. GEORGE E. BRITTAIN, Lynn, Mass., assignor to Louis H. Harriman, trustee, Haverhill, Mass. Filed May 3, 1920. Serial No. 106,266. 6 Claims. (Cl. 36—68.)



1. A shoe counter moulded in U-form corresponding to the heel part of a shoe having an oblique shank portion extending rearward from the ball portion, each of the side portions of the counter being formed to extend throughout a substantial portion of the length of said oblique shank portion and having an inturned flange portion formed for engagement with the shoe bottom and extending continuously with its lower edges, the end portions of said flange having their edges extending forwardly in divergent relation and being formed to meet the top edges of the sides of the counter at points corresponding to the edge of the bottom.

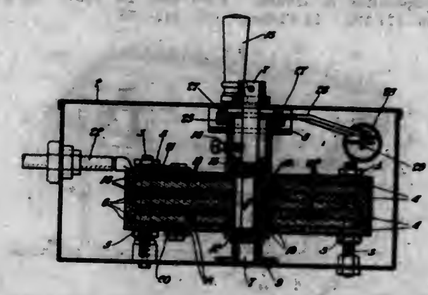
1,639,983. SHEET-STOP MECHANISM FOR RULING MACHINES AND THE LIKE. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Original application filed Apr. 8, 1926, Serial No. 100,699. Divided and this application filed July 19, 1926. Serial No. 123,577. 6 Claims. (Cl. 271—50.)



1. In apparatus of the character set forth, the combination with a sheet stop, of means for moving sheets to a position against the stop, normally inactive means located above the sheet moving means and in spaced relation thereto in advance of the stop for preventing the rebound of the sheets from the stop when carried thereagainst by the moving means, and means for causing the rebound preventing means to become active after a sheet has passed the same an engaged the stop.

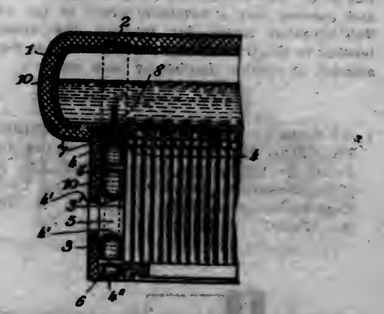
1,636,984. MULTIPLE-BREAK ELECTRIC SWITCH. LADURA ALEXANDER BROWN, Uniontown, Pa. Filed July 3, 1926. Serial No. 120,884. 5 Claims. (Cl. 200—145.)

1. A multiple-break electric switch, comprising a plurality of stationary plates formed of insulating material arranged parallel with and in contact with each other, said plates having their abutting faces relieved to form recesses, a plurality of movable plates formed of insulating material and mounted in said recesses, said movable plates being movable in a plane parallel with said stationary plates, metallic contact members mounted in each of



said plates and adapted to be engaged and disengaged by the movement of said movable plates, and means for moving said movable plates.

1,636,985. HIGH-PRESSURE STEAM BOILER. JACOB BUCHLI, Winterthur, Switzerland. Filed June 29, 1925, Serial No. 40,297, and in Germany Feb. 9, 1925. 3 Claims. (Cl. 122—94.)



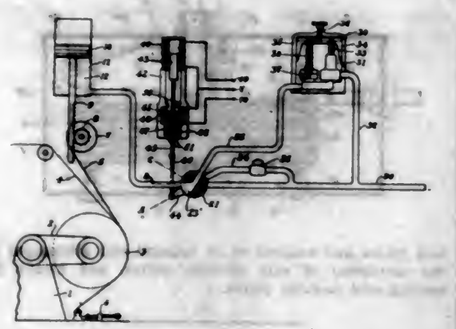
1. In a high pressure water tube boiler, in combination, an upper drum, and a rear wall for the firebox comprising a member embracing said upper drum and shrunk to the latter and provided with bores in its lower part registering with bores in said upper drum, and a hollow body consisting of two connected halves fixed to said member and having flat walls stiffened by stay tubes, the bores in said member registering with bores in said hollow body.

1,636,986. TRIPPER FOR DUPLEX BELT CONVEYERS. FRANK B. CALDWELL, Oak Park, Ill., assignor to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1926. Serial No. 133,793. 6 Claims. (Cl. 198—186.)



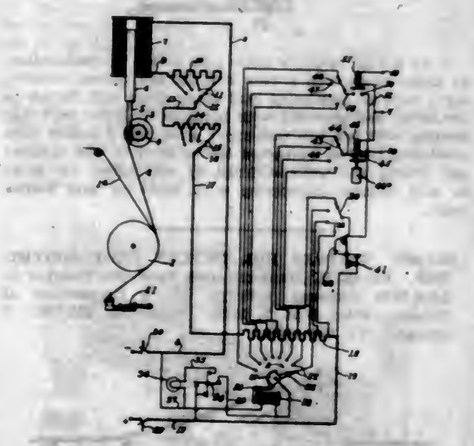
1. In a belt conveyer, a power belt and a wear sheet carried thereby and in frictional contact therewith, a tripper frame arranged intermediate the ends of the belt, and separate idler pulleys on the tripper frame over which the power belt and the wear sheet separately travel.

1,636,987. **FLUID-PRESSURE WEB CONTROLLER FOR PRINTING PRESSES.** ALLAN J. CLINE, Chicago, and JACOB A. HOLLANDER, Forest Park, Ill., assignors to Cline Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 26, 1927. Serial No. 171,130. 14 Claims. (Cl. 242—75.)



1. A web-tension regulator for printing presses or the like comprising a friction strap pressing against the web-roll to be controlled, such strap being secured at one end and passing over a rotatable drum at the other end, a fluid-actuated motor for rotating the drum to apply tension to the friction strap and means for regulating the amount of tension applied by such motor.

1,636,988. **SOLENOID WEB CONTROLLER FOR PRINTING PRESSES.** ALLAN J. CLINE, Chicago, and JACOB A. HOLLANDER, Forest Park, Ill., assignors to Cline Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 28, 1927. Serial No. 171,497. 11 Claims. (Cl. 242—75.)



1. A web-tension regulator for printing presses or the like comprising a friction strap pressing against the web-surface to be controlled, such straps being secured at one end and passing over a rotatable drum at the other end, a solenoid-motor for rotating the drum to apply tension to the friction straps and means for regulating the current-flow through the solenoid.

1,636,989. **OVEN.** RUDOLPH BICKWORTH, Dortmund, Germany. Filed Aug. 24, 1921, Serial No. 494,973, and in Germany Dec. 11, 1913. 4 Claims. (Cl. 263—28.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an annealing oven a movable partition composed of a plurality of blocks of refractory material connected to form a flexible curtain and rotary means for winding and unwinding such curtain.

1,636,990. **ANTISKID CHAIN FOR AUTOMOBILES.** ROBERT O. FRONTS, Juniata, Pa., assignor of one-half to George A. Melson, Juniata, Pa. Filed Jan. 27, 1927. Serial No. 164,049. 2 Claims. (Cl. 24—232.)



1. A connector for the cross side chains of automobile anti-skid chains comprising a pair of sections connected for relative rotation, each of said sections including a plurality of radiating arms having hooks at their ends, the hooks of the sections facing oppositely whereby in one position of the sections they combine to produce eyes in which chains may be secured, the hooks of one of the arms of each member being arranged in a plane substantially at right angles to the general plane of the member, the remaining hooks being arranged in the general plane of the member.

1,636,991. **DISPLAY CARD.** BERNARD A. FUEGLEIN, Louisville, Ky. Filed Feb. 20, 1926. Serial No. 89,729. 3 Claims. (Cl. 211—34.)



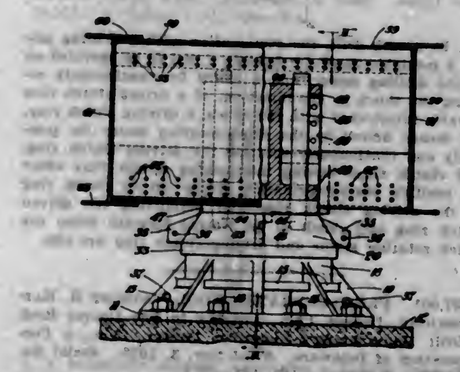
2. A display card consisting of an upper and lower disc concentrically pivoted to each other, the lower disc having colored sections on one side, the reverse side divided into corresponding sections with indicia of color, the said indicia corresponding to the color on the obverse side, the upper disc provided with a segmentary cut away section, shoulders projecting from said upper disc on each side of the said section, said shoulders projecting beyond the under disc and indicating the location of said section in the upper disc relative to the reverse side of the lower disc.

1,636,992. **TRAVELER FOR TWISTER RINGS.** GEORGE H. GILLIGAN, New Bedford, Mass., assignor to U. S. Ring Traveler Company, a Corporation of Rhode Island. Filed Nov. 22, 1926. Serial No. 149,837. 1 Claim. (Cl. 118—61.)



In a traveler for vertical twister rings, a substantially flat shank having its opposite ends bent outwardly at an oblique angle to said shank in directions opposite to each other and forming substantially flat bearing surfaces across the width thereof which in use prevent canting of the traveler, and terminal lips integral with said bearing portions oppositely directed upon the same side of the shank and laterally inclined relatively thereto.

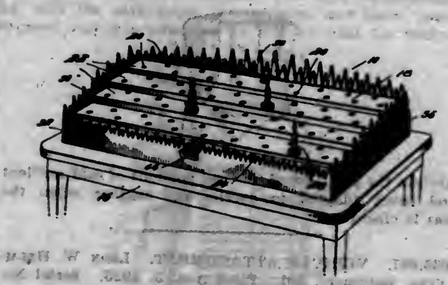
1,636,993. **TURNTABLE CENTER.** CHAUNCEY MARSH GOODRICH, Windsor, Ontario, Canada. Filed Dec. 28, 1926, Serial No. 156,686, and in Canada Dec. 14, 1926. 18 Claims. (Cl. 104—46.)



1. In a turntable center structure, including the combination with a turntable proper and a rotatable center bearing member adapted to be vertically removed from its operable position without first lifting or jacking up the turntable proper, of vertically removable or insertable centering and locking pins extending through the turntable proper and into said center bearing member.

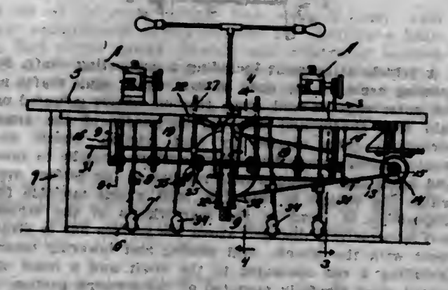
1,636,994. **VOTIVE STAND.** JAMES B. GERRNAN, Ashton, R. I. Filed Aug. 20, 1926. Serial No. 131,060. 14 Claims. (Cl. 67—36.)

1. A votive stand or candelabrum comprising, in combination, a substantially air tight container having a plurality of spaced holes through the top thereof to receive the candles or rigid light holders, a fence around the top to catch falling candles and an air tight door, a drip pan normally contained with the said container underneath said holes and removable through said air tight door, a coin box concealed within the container



having a coin slot accessible from without the container, and a candle receptacle concealed within said container accessible other than through said drip pan door.

1,636,995. **DRIVING MECHANISM FOR SEWING-MACHINE BATTERIES.** JOHN R. HANSON, Alexandria, Minn. Filed June 29, 1926. Serial No. 119,340. 1 Claim. (Cl. 74—26.)



In a driving mechanism for sewing machine batteries, a supporting table of elongated construction upon which machines are arranged on opposite sides of the center thereof, a pair of brackets supported by the table top and depending downwardly therefrom having their upper and lower ends secured together in abutting relation and their intermediate portions in spaced parallel relation, a master gear disposed between the spaced parallel portions, means for journaling the master gear between said spaced parallel portions so that its axis extends horisontally and transversely of the table, horizontal shafts, one for each machine, having their inner ends journaled in the brackets, other brackets depending from the table for supporting the outer ends of the shafts, gears on the inner ends of the shaft for engaging both faces of the master gear, driving connections between the shafts and their respective machines, said means for journaling the inner ends of said shafts being in the form of cams, means for rotating the cams to normally hold the gears on the shafts out of engagement with the master gear, and manual control means for forcing said shaft gears in contact with the master gear.

1,636,996. **BOTTLE CLOSURE.** WILLIAM EDWARD HASKELL, Jr., Springfield, Mass. Filed Apr. 1, 1924. Serial No. 705,462. 11 Claims. (Cl. 215—96.)

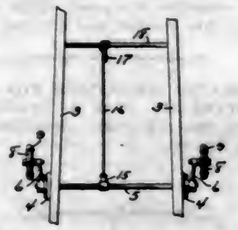
1. A bottle closure of flexible material comprising a top part and a depending flange or skirt portion, the skirt portion having a pleat therein providing for expanding the same, and a split resilient band extending about and

fixedly secured to the material of the skirt portion at either side of said pleat with its end portions located adjacent the pleat, said resilient band acting to yieldably



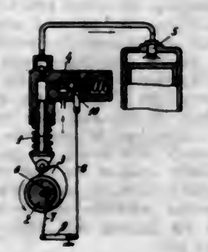
maintain the pleat closed, the end portions of said resilient band being adapted to overlie one another when the pleat is closed.

1,636,997. VEHICLE ATTACHMENT. LEON W. HELMLING, Baltimore, Md. Filed Aug. 3, 1925. Serial No. 47,901. 1 Claim. (Cl. 180—15.)



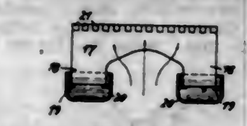
A vehicle attachment including a supporting shaft, depending arms at the ends of said shaft, stub shafts at the outer ends of said arms, friction wheels mounted on said stub shafts and disposed outwardly of the arms, peripheral calks carried by said friction wheels and means having connection with the shaft whereby to raise and lower the friction wheels relative to the surface over which the vehicle is traveling, said wheels movable for disposition in front of the rear wheels of the vehicle and inoperatively disposed above the surface but in alinement with the wheels, said raising and lowering means including a rod connected to the shaft and a hand operated lever pivotally mounted at the forward portion of the vehicle and in close proximity to the steering mechanism.

1,636,998. FUEL CONTROL IN INTERNAL-COMBUSTION ENGINES. HUGO JUNKERS, Dessau, Germany. Filed Nov. 17, 1921, Serial No. 515,987, and in Germany, June 1, 1921. 9 Claims. (Cl. 123—140.)



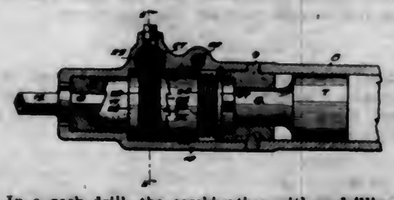
1. Means for regulating the delivery of fuel in internal combustion engines comprising a fuel pump cylinder and piston, controlling means in said pump for causing the end of the effective strokes to coincide with the end of the pump stroke, an engine crank shaft, a rotating member driven by said crank shaft for driving said pump piston and shiftable in its plane of movement, a regulating device, means connecting said member and regulating device for shifting said member in the plane of its movement so as to drive said pump piston with strokes of varying ends with regard to the engine crank circle, and means for keeping the commencement of delivery of said pump constant with respect to the engine crank circle.

1,636,999. LIQUID-FUEL FURNACE. HUGO JUNKERS, Aachen-Frankenburg, Germany. Filed Jan. 15, 1925, Serial No. 2,599, and in Germany Mar. 7, 1924. 5 Claims. (Cl. 158—96.)



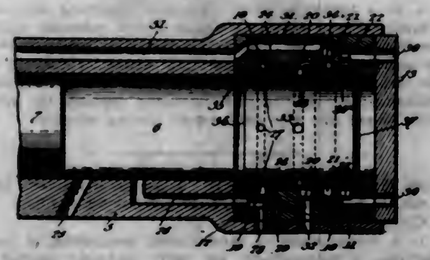
1. Liquid fuel burner comprising a liquid fuel supply and a grate bar of capillary structure extending substantially in horizontal position above and spaced from said fuel supply, a substantially vertical extension of said bar also having capillary structure extending into said fuel supply and serving to feed liquid fuel to said bar.

1,637,000. ROCK DRILL. AUGUST H. KATTERJOHN, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Feb. 2, 1922. Serial No. 533,555. 4 Claims. (Cl. 121—7.)



1. In a rock drill, the combination with a drilling motor, a rotatable chuck for holding a tool to be operated on by the drilling motor, and a motor for continuously rotating the chuck in one direction, of a driven clutch ring movably interlocked with the chuck, a driving clutch ring, and means driven by the chuck-rotating motor for positively and continuously rotating the driving clutch ring, said clutch rings having interlocking means that effect the positive constant rotation of the driven clutch ring by the driving clutch ring and permitting the driven clutch ring and chuck to be rotated forward when the clutch rotating motor and driving clutch ring are idle.

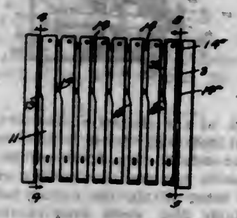
1,637,001. FLUID-OPERATED TOOL. AUGUST H. KATTERJOHN, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Nov. 3, 1925. Serial No. 66,578. 6 Claims. (Cl. 121—26.)



4. In a fluid operated tool, the combination with a cylinder member and a reciprocatory piston hammer therein, of a valve chest having a valve chamber and an annular

groove surrounding it, and a reciprocatory automatic tubular distributing valve located in the chamber and having a flange located and reciprocating in the groove, said cylinder member having a passageway opening into the groove on one side of the flange and said valve having a port opening into the groove on the same side of the flange as the passageway, and said piston hammer having its rear end successively movable across and closing and opening the passageway and port, said groove also having an exhaust port opening therefrom on the same side of the flange as the passageway and port and having a cross sectional area less than that of the passageway and port.

1,637,002. SPACING ARRANGEMENT OF BEE FRAMES. HERMAN KOEPP, Wallowa, Oreg. Filed Nov. 12, 1923. Serial No. 674,354. 2 Claims. (Cl. 6—10.)



1. A bee frame having end bars, each bar being cut away at its lower part on one edge to reduce its width to the thickness of honeycomb, the unreduced portion of the bar providing a cheek, and means projected from the opposite edge at its upper part for spacing one frame from another frame.

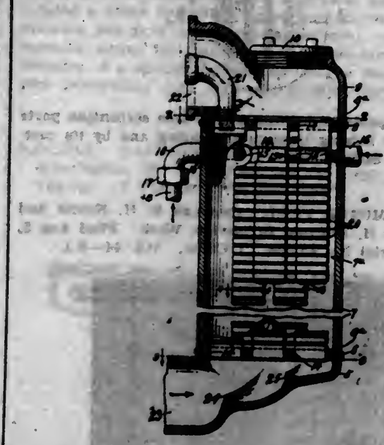
1,637,003. SAXOPHONE CORD. ALBION SLAYTON LANG, Jamaica Plain, Mass. Filed Dec. 9, 1925. Serial No. 74,251. 3 Claims. (Cl. 224—5.)



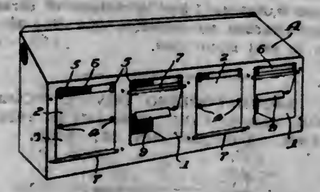
1. A saxophone support comprising a flexible supporting member constructed to present an upper loop to encircle the neck of the player, and a lower loop, one of said loops being a double loop, a hook supported by the lower loop on which a saxophone is adapted to be hung, a cord-locking slide at the junction of the loops, by the adjustment of which the length of the cord is changed, said slide comprising two telescopic members, each having an aperture extending transversely therethrough, the cord passing through both apertures three times, and a spring acting on said members and tending to disalign said apertures and thereby grip the cord.

1,637,004. HEAVY-OIL VAPORIZER. FREDERICK C. LINDSEY, Milwaukee, Wis. Filed Apr. 25, 1923. Serial No. 634,629. 2 Claims. (Cl. 48—102.)

1. In an oil vaporizer, the combination of a hollow body comprising an upper compartment, a lower compartment, and an intermediate compartment, the latter having an oil inlet and an oil vaporizer outlet, the latter provided with an oil vapor conducting tube, this intermediate compartment having a tubular oil vaporizing member extending therethrough into open communication with the said upper compartment and lower compartment and into proximity to said oil inlet for receiving oil on its outer surface from said oil inlet; said lower compartment having an inlet for receiving a heating fluid which passes through said vaporizing member into said upper compartment; said upper compartment having a heating outlet which forms part of a heat-retaining passage and surrounds and encloses a part of said gas-conducting tube for the purpose specified.



1,637,005. TRAP NEST AND FRONT THEREFOR. EDWARD H. MITCHELL, Quincy, Ill. Filed Nov. 13, 1924, Serial No. 749,759. Renewed June 10, 1927. 10 Claims. (Cl. 119—49.)



1. A trap nest front having an entrance opening, an upper door section loosely pivoted at its upper edge near the upper edge of said opening, a lower door section loosely pivoted at its upper edge to the lower edge of the upper door section, the lower door section being adapted to swing upwardly against the outer side of the upper door section to set the door in trapping position, and a trigger secured to said lower door section and projecting downwardly therefrom adjacent the aforesaid entrance opening when the door is in said trapping position.

1,637,006. FRESH-AIR HEATER FOR INTERNAL-COMBUSTION ENGINES. ARTUR NOLDEN, Ronsdorf, Germany, assignor to the Firm: Bergische Elektrizitäts-Gesellschaft Gebr. Nolden, Ronsdorf, Germany. Filed Mar. 6, 1926, Serial No. 92,795, and in Germany Sept. 29, 1925. 1 Claim. (Cl. 219—38.)

In an internal-combustion engine, the combination of a casing of short length forming part of the fresh-air conduit for the engine, a serpentine pipe of elongated round cross-section arranged like a grate in and surrounded by

said pipe, and an electric resistance non-conductively mounted in said pipe, the latter being cast at its ends as well as at its serpentine arcs in the body of said casing



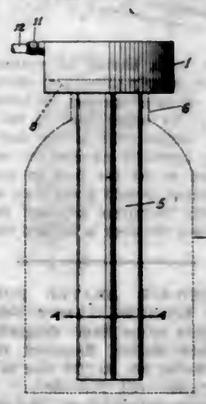
and thus capable of heating by its free serpentine parts the fresh-air flowing through the casing and by its cast-in parts the casing itself.

1,637,007. MOTOR FUEL. CHARLES E. H. NORTH and AUGUSTUS H. HUDSON, Bremerton, Wash. Filed Aug. 5, 1925. Serial No. 48,393. 1 Claim. (Cl. 44—9.)



A motor fuel comprising in combination a mixture of gasoline and 0.05% to 1.5% by volume of carbon tetrachloride, said carbon tetrachloride operating to suppress detonation in said motor fuel.

1,637,008. LIQUID-COOLING DEVICE. CLARENCE E. OLMSTEAD, Modesto, Calif. Filed July 26, 1926. Serial No. 124,939. 3 Claims. (Cl. 257—199.)



1. A liquid cooling device comprising a pan, said pan consisting of an outer ring, a bottom plate disposed intermediate the top and bottom of the ring, and a skirt depending from around the plate to the lower edge of the ring and arranged relative to the ring to form spaced vertical passages therebetween, a well closed on the bottom, open to and depending from the plate, and a pipe extending from one side of the pan into the well to adjacent the bottom thereof, the lower end of the pipe being open and the upper end being adapted for connection to a hose.

1,637,009. COMBINATION LOCK. GEORGE B. POINDEXTER, Seattle, Wash., assignor of one-half to George E. Miller, Bremerton, Wash. Filed Apr. 6, 1925, Serial No. 20,993. Renewed Apr. 20, 1927. 2 Claims. (Cl. 200—45.)



1. In a lock of the character described, a cylindrical casing, a dial rotatably fitted within one end of the casing, a non-rotatable disk fitted within the casing in spaced relation to the dial, a plurality of relatively rotatable disks fitted within the casing between the dial and non-rotatable disk, studs fixed to the dial and rotative disks whereby rotative movement of the dial may be communicated to the rotative disks; said rotative and fixed disks having eccentric openings adapted to be brought into alinement, a switch stem disposed co-axially of the casing to extend through the disks and dial and operable to rotate the dial, a plate fixed to the stem and a stud fixed to the plate normally retaining the stem against longitudinal movement except when said disk openings have been alined to receive the stud.

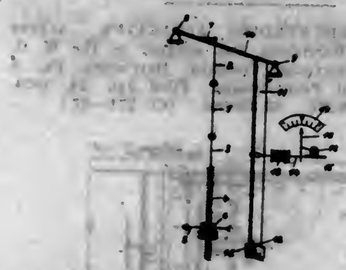
1,637,010. GAME APPARATUS. ALFRED ARNOLD REES, New Haven, Conn. Filed July 14, 1926. Serial No. 122,899. 6 Claims. (Cl. 273—161.)



1. In a device of the character described, a support designed to be influenced by the movement of an operator's hand, a pendulum mounted on the support, a member carried by the pendulum and extending above the support to respond to movement of the pendulum, and a dial bearing symbols toward which the pendulum is adapted to swing under the influence of the movement of the operator's hand.

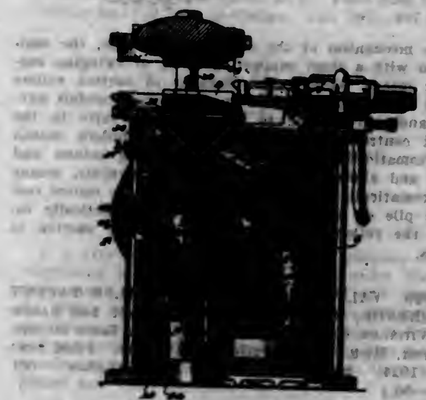
1,637,011. TESTING OF MECHANICAL STRENGTH. ALFRED SCHOPPER, Leipzig, Germany. Filed Dec. 2, 1925, Serial No. 72,783, and in Germany Apr. 12, 1924. 1 Claim. (Cl. 265—19.)

Testing device comprising test piece straining means, an elastic rod-shaped member, one end of said member being secured against longitudinal motion, the other end being free to move longitudinally, means for securing said other end against movement in a transverse direction, means adapted to transmit power from said straining means onto a point near the first mentioned end of



said member in such manner as to exert a bending action on said point and registering means connected with said member substantially midway between the ends of said member.

1,637,012. LUBRICATING SYSTEM FOR ROCK-DRILL SHARPENERS. ARTHUR H. SKAER and OMAR E. CLARK, Denver, Colo., assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Aug. 11, 1923. Serial No. 656,984. 11 Claims. (Cl. 76—5.)



1. In a drill sharpening apparatus, the combination with a base or support, of relatively movable coacting dies mounted on the support, a lever fulcrumed on the support, a motor, an operating connection between the motor and the lever, including a link having a bearing on the lever, an operating connection between the lever and one of the dies, including a link having a bearing on the lever, means for supplying lubricant to the fulcrum of the lever, and passageways for transmitting lubricant from the fulcrum to the bearings of both links.

1,637,013. METAL-PUNCHING APPARATUS. GEORGE P. THOMAS, Glenshaw, Pa. Filed July 1, 1925. Serial No. 40,821. 12 Claims. (Cl. 164—115.)



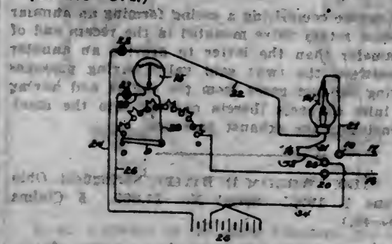
1. In a metal punching apparatus, the combination of a reciprocable punching head provided with a punch, means for reciprocating said head, a work table, a carriage borne by said table for moving a blank transversely of the path of reciprocation of said punching head, a perforated templet attached to and movable with said carriage, a finder-pin manually movable into engagement with a perforation of said templet, mechanical driving connections extending from said head-reciprocating means to said carriage adapted after said punch has perforated a blank to initially meve said carriage a limited distance less than a full spacing interval, and manually operable means for further moving said carriage the remainder of a spacing interval to bring a succeeding templet perforation into registration with said finder-pin.

1,637,014. GAS BURNER. AUGUSTUS F. THOMPSON, Huntington, W. Va. Filed Dec. 2, 1926. Serial No. 152,151. 2 Claims. (Cl. 158—104.)



1. In a burner of the type set forth, an elongated mixing-chamber consisting of two tubes joined at their ends, one of these tubes being provided with a series of burner-holes along its length and the other being provided with a gas-and-air inlet at a point in its length, and a gas-and-air injector-tube connected with said inlet, this tube at the point of juncture with the inlet being laterally enlarged to form a chamber, for the purpose set forth.

1,637,015. CURRENT RECTIFYING AND CONTROLLING SYSTEM. BRUCE THOMAS UNDERS and EDWARD NATHANIEL HARRIS, Jackson, Tenn.; said Harris assignor of forty-five one-hundredths of the entire right to John H. Johnson and Sons, Jackson, Tenn., a Firm. Filed Apr. 27, 1923. Serial No. 635,164. 8 Claims. (Cl. 171—274.)

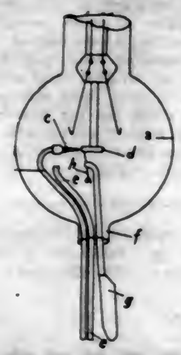


1. In a battery charger, comprising an electron tube having a filament and an electrode, and a battery placed in circuit with said tube and a source of alternating current, means for initially exciting the filament from the battery.

1,637,016. PROCESS OF REPLACING BROKEN OR MOLTEN HOLDING WIRES INSIDE OF INCANDESCENT ELECTRIC LAMPS. FRANZ VOGLHUT, Augsburg, Germany. Filed Sept. 17, 1925, Serial No. 56,842, and in Germany Oct. 11, 1924. 6 Claims. (Cl. 176—7.)

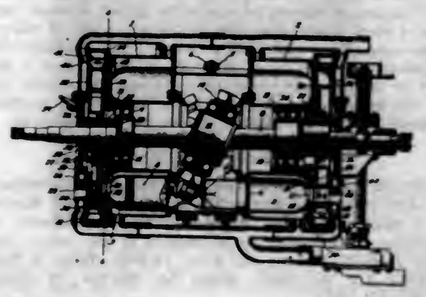
1. The method of replacing holding wires in the glass button of an incandescent lamp comprising a bulb having a lower anchoring glass button and a similar upper button

positioned interiorly thereof, said buttons being arranged on the longitudinal axis of the lamp bulb, which consists



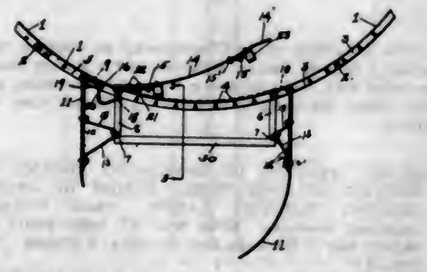
in opening said bulb at substantially its lowest point and in line with said axis, and directing a flame upon a button at right angles to said axis.

1,637,017. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JOHN O. ALMEN, Seattle, Wash., assignor to Almen-Crosby Motors Company, Inc. Filed Aug. 10, 1920. Serial No. 402,565. 7 Claims. (Cl. 123—58.)



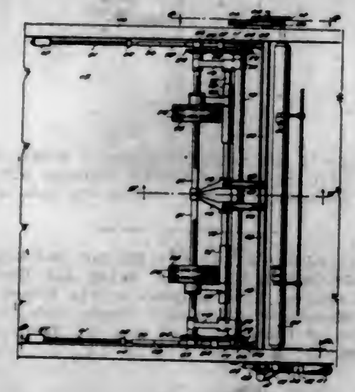
1. In an engine comprising a casing forming an annular valve recess, a rotary valve mounted in the recess and of smaller diameter than the latter to provide an annular manifold between the two; said valve having passages for delivering exhaust gases from the engine and having circuitous inlet channels therein opening into the manifold and enclosing the exhaust passages.

1,637,018. SILO. WILLIAM D. BAYLEY, Springfield, Ohio. Filed June 1, 1925. Serial No. 34,002. 5 Claims. (Cl. 189—46.)



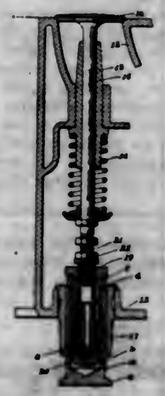
1. In a door structure for silos, a curved door frame, a flexible door formed on a shorter curve than said door frame, means for hinging the inner edges of said door to said frame, the outer edge of said door being slightly bent toward said frame, and means for drawing the edges of said door against said frame and locking the same in that position.

1,637,019. SHEET-FEEDING APPARATUS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Jan. 24, 1924. Serial No. 688,275. 35 Claims. (Cl. 271—27.)



1. In mechanism of the character set forth, the combination with a sheet supporting table, of swinging supporting means thereover, a plurality of suction rollers carried by the supporting means, a suction conduit having branches connected to the rollers, a valve in the conduit controlling the suction on both rollers, means for automatically elevating the supporting means and rollers and allowing them to move downwardly, means for automatically opening the valve when the rollers rest on the pile of sheets, and means for automatically rotating the rollers when elevated and while suction is thereon.

1,637,020. VALVE MECHANISM AND VALVE TAPPET THEREFOR. STEPHEN I. FERETS, Detroit, and RALPH H. WHISLER, Halfway, Mich., assignors to Essex Motors, Detroit, Mich., a Corporation of Michigan. Filed June 21, 1921. Serial No. 479,568. 10 Claims. (Cl. 123—90.)



4. A poppet valve mechanism having one of its moving elements composed of a plurality of parts some of which are of metals having different coefficients of expansion,

said parts being constructed and arranged to cause said element to remain a substantially constant length under the expansion and contraction of the several parts.

1,637,021. METHOD OF MAKING MULTIFOCAL LENSES. FRANK FRASER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 7, 1924. Serial No. 730,614. 3 Claims. (Cl. 49—82.1.)



1. The process of making a multifocal lens comprising making a cavity having a curved contour in a piece of glass having a relatively low fusing temperature, making a segment having a curvature on one side that is different in its two major meridians and having a relatively high fusing temperature, placing the segment in the cavity with the curved surfaces opposite each other, and applying heat to fuse the surface of the curved cavity to conform and adhere to the unfused segment.

1,637,022. PAPER GUIDE FOR TYPEWRITERS. VINCENT GAGE, Washington, D. C. Filed July 24, 1926. Serial No. 124,708. 3 Claims. (Cl. 197—127.)



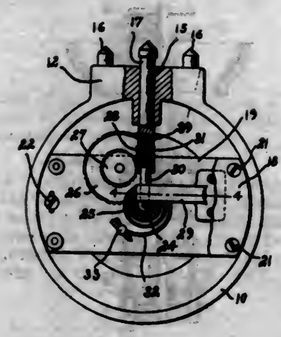
1. A typewriter paper guide for the purpose described comprising a member having an open-sided clamp for engagement with the pressure roller rod of a typewriter, the clamp being provided with a rib for engagement in the usual groove in the lower side of such rod, and an inclined guiding member supported by the first mentioned member to extend over the space between the typewriter platen and the said rod.

1,637,023. REACTION PRODUCT OF SULPHUR DICHLORIDE AND PRIMARY ARYLAMINES. RICHARD HERZ, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 31, 1921, Serial No. 497,435, and in Germany Apr. 11, 1914. 8 Claims. (Cl. 260—23.)

5. Process for the production of aromatic substances containing sulphur, nitrogen and chlorine which comprises reacting upon a primary arylamine compound having at least one amino group and one unsubstituted hydrogen in ortho position thereto with a quantity of disulphur dichloride amounting to from two to ten molecules thereof for each amino group at a temperature below the boiling point of the disulphur dichloride.

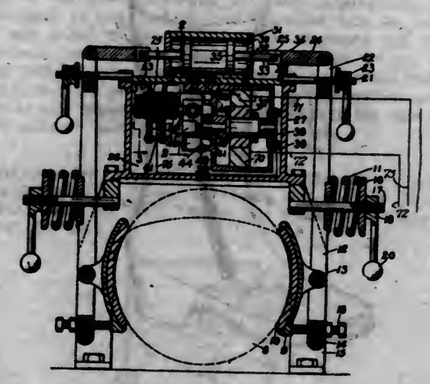
1,637,024. LENS MEASURE. ALBERT E. MAYNARD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 25, 1925. Serial No. 25,785. 5 Claims. (Cl. 33—172.)

1. In a device of the character described, a casing, an indicator carrying shaft mounted within said casing, a reciprocating plunger carried by said casing and having a recess in one end thereof, means for changing the reciprocating movement of the plunger to rotary movement in said shaft, a bracket within said casing, a pin



secured to said bracket and partially received within said recess and spring means contained within said recess and bearing against said pin for normally urging the said plunger away from said bracket.

1,637,025. BRAKE MECHANISM. HAROLD V. MCCORMICK, Cincinnati, Ohio, assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 7, 1925. Serial No. 73,629. 8 Claims. (Cl. 188—170.)

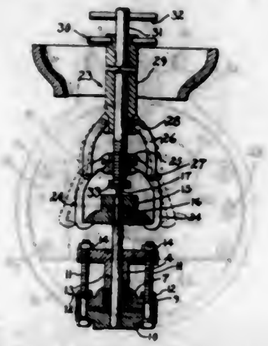


5. In a device of the class described the combination with a cylinder and piston of a fluid tank, a body of fluid in the tank, conduit means providing communication between said body of fluid and the cylinder, a normally open valve permitting discharge of the cylinder into the tank, a fluid pump operable for moving fluid from the tank to the cylinder, electrically operated means for actuating the pump and electrically operated means in continuous electrical connection with the pump actuating means for closing the valve when the pump actuating means is energized.

1,637,026. MEANS FOR REPACKING VALVES. GEORGE F. MERRILL, Ware, Mass. Filed June 25, 1926. Serial No. 118,545. 1 Claim. (Cl. 29—84.)

The method of repacking a valve from a distance comprising removing the glands and holding nuts by means that loosen them and hold them from dropping, placing

a guide extension over the end of the valve stem, and sliding an annular packing member and gland along the



extension and valve stem into the packing recess and replacing the nuts with means that will prevent their dropping while they are being inserted in place.

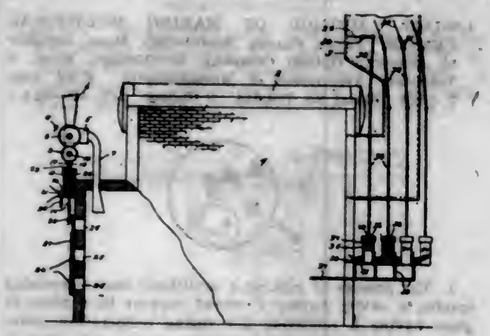
1,637,027. OVERSHOE. WALTER E. PIPER, Sudbury, Mass. Filed Mar. 12, 1926. Serial No. 94,295. 2 Claims. (Cl. 36—5.)



2. That improvement in the art of manufacturing rubber overshoes, which consists in making the upper with a smooth, unbroken surface over the instep and front portion, and positioning an interlocking metallic slide fastener along the inner side portion of the upper on a diagonal line extending from a point over the forward part of the arch of the overshoe up to a point substantially midway of the front and rear portions of the top of the overshoe and in such a position that the flexing of the shoe during walking will be without a breaking strain on the interlocking metallic portions of the fastener.

1,637,028. FUEL-FEEDING MECHANISM. CHARLES H. QUINN, San Francisco, Calif. Filed Oct. 9, 1924. Serial No. 742,727. 6 Claims. (Cl. 110—101.)

2. In furnace feeding mechanism, a series of fuel and air feeding units and means for throwing said units into operation and actuating them conjointly, each unit comprising a fuel feeding device, a secondary air supplying device, a stack draft control device, an operative connection between said air supplying device and said means



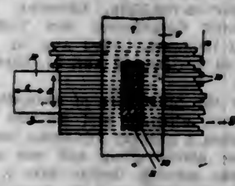
for throwing the unit into operation, and an operative connection between the former connection and the stack draft control device.

1,637,029. COMPOSITION RIM FOR OPHTHALMIC MOUNTINGS. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Original application filed Jan. 24, 1925, Serial No. 4,526. Divided and this application filed May 28, 1925. Serial No. 33,437. 2 Claims. (Cl. 88—41.)



2. A blank for a composition lens rim for an ophthalmic mounting comprising a disc of flat composition stock having a central opening and a marginal opening between its end portions, the portion surrounding the openings being in the form of a spiral strip having its end portions substantially concentric.

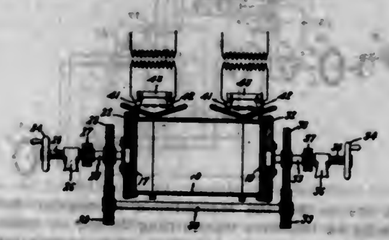
1,637,030. METHOD AND MEANS FOR FEEDING ARTICLES. CONRAD THYSSEN, Aachen, Germany. Filed June 18, 1924. Serial No. 720,879. 11 Claims. (Cl. 163—1.)



1. The combination with a track for feeding cylindrical articles in a row to a working place, of a device for alining the ends of the articles to be worked upon, comprising pressure members arranged on both sides of the row of cylindrical articles, one of the pressure members being formed by one of the track walls and the other pressure member consisting of a plunger adapted to be moved through a recess of the other track wall into and out of engagement with the cylindrical articles and designed to yieldably press and hold the articles against the first-said track wall, and means for imparting an endwise shifting motion to some or all of the articles held between the pressure members for bringing the ends to be worked upon into one common line.

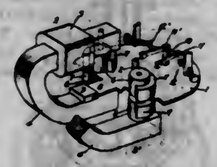
3. A method of aligning particular ends of cylindrical articles where such articles are being fed in a continuous row in mutual contact, consisting in providing a relative lateral movement between successive groups of articles and an aligning member to simultaneously align the similar ends of the articles of a group while exerting a pressure upon the articles of the group to a degree sufficient to prevent movement of the articles of that group as a result of their frictional contact with each other.

1,637,031. ELECTRIC WELDING. HARRY W. TOBEY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 10, 1923. Serial No. 656,730. 1 Claim. (Cl. 219—4.)



A machine for welding together sections of a metallic vessel flanged at their meeting edges, comprising a pair of shafts having their adjacent ends spaced apart, a pair of vessel supporting members one on each of said adjacent ends, a pair of rotatable electrodes arranged to contact with opposite sides of the raised seam formed by said flanges and to roll along said flanges in response to rotation of said vessel by said supporting members, and means for moving said supporting members to clamp the sections of said vessel together and to aline said seams with said electrodes.

1,637,032. PROTECTIVE DEVICE. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 18, 1922. Serial No. 560,687. 8 Claims. (Cl. 175—294.)



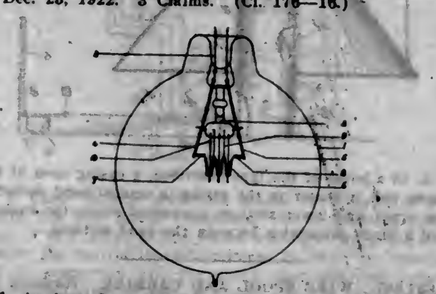
7. A protective system comprising two transmission lines, means for interrupting the circuits of said lines, circuit controlling means adapted to be operated to control said interrupting means, a disk rotatable in each of two directions to control said circuit controlling means selectively, a plurality of shaded pole electromagnetic elements inductively associated with said disk and arranged to exert opposing torques thereon, one of said elements comprising an energizing winding in series relation with one of said lines and another of said elements comprising an energizing winding in series relation with the other of said lines, said elements being adapted upon the occurrence of a change in the intensity of the current in one of said lines such that the ratio of the greater of the currents in the two lines to the smaller thereof exceeds a predetermined value to rotate said disk in a direction to move said circuit controlling means to control the circuit interrupting means in the line carrying the greater current.

1,637,033. COMPOSITE ELECTRIC CONDUCTOR. DAVID BASCH, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 5, 1925. Serial No. 35,262. 3 Claims. (Cl. 173—13.)



1. An article of manufacture, comprising a foundation metal, a coating of nickel thereon and a coating of aluminum superimposed on said nickel coating.

1,637,034. COILED-FILAMENT INCANDESCENT LAMP. JAN BERGMANS, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, a Corporation of New York. Filed Dec. 4, 1923, Serial No. 678,515, and in the Netherlands and France Dec. 23, 1922. 3 Claims. (Cl. 176—16.)



1. An incandescent lamp comprising a sealed envelope containing a pair of leads, a coiled metal filament, and a pair of cylindrical mandrels of metal substantially as refractory as said filament and telescoped into the ends of said coiled filament, each of said mandrels and the adjoining end of said filament being welded to one of said leads whereby said mandrels project from said leads end to end and in the plane thereof, an intermediate portion of said filament being suspended between the ends of said mandrels and in the plane of said leads.

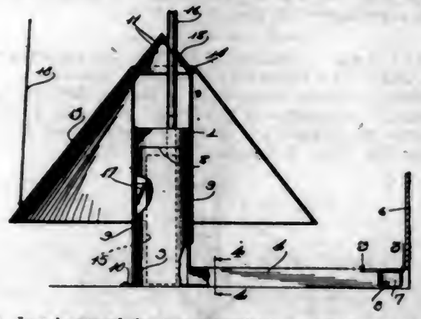
1,637,035. APPARATUS FOR TREATING THE HAIR AND SCALP. JAMES C. CASEY, Cedar Falls, Iowa. Filed Mar. 12, 1927. Serial No. 174,877. 4 Claims. (Cl. 34—26.)



1. In a device of the character described, an open ended chamber, means within said chamber for creating a spirally progressive current of air while passing under pressure therethrough abutting the inner wall thereof, a hollow open ended flexible chamber having one open end closely mounted upon the open delivery end of the first-

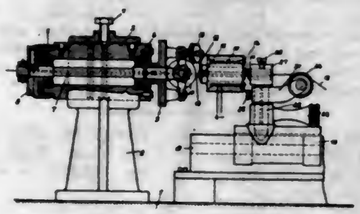
mentioned chamber, and means for closely adjustingly fitting the other open end of the second-mentioned chamber around the head of a person to inclose the scalp within it, and whereby the second-mentioned chamber is inflated with air under greater than atmospheric pressure.

1,637,036. CHICKEN BROODER AND HOVER. PETER C. CLEMMENSEN, Atlantic, Iowa, assignor of one-third to George G. Jeck, Atlantic, Iowa. Filed Apr. 19, 1926. Serial No. 102,994. 2 Claims. (Cl. 119—32.)



1. In a hover of the type described, a casing open at its upper end, a heater in the casing, a conical hood embodying upper and lower sections supported above the casing, and a hinge connection between the hood sections.

1,637,037. WIRE SPOOL AND CARRIER. HENDRIK DE JONG, Eindhoven, Netherlands, assignor to General Electric Company, a Corporation of New York. Filed Dec. 2, 1924, Serial No. 753,521, and in the Netherlands Jan. 25, 1924. 8 Claims. (Cl. 153—64.)



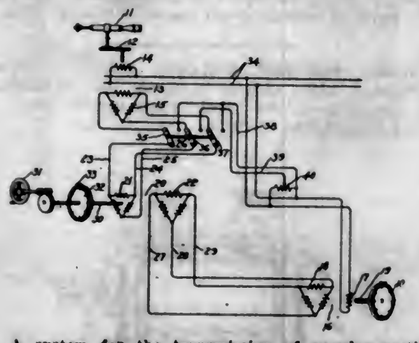
1. A coil winding machine comprising a rotary winding head, a wire spool having a spindle with a tapered pivot at one end and a conical bearing at the other end, a bearing on said head for said pivot, and a resiliently mounted pivot on said head to engage the bearing in said spindle.

1,637,038. ROTARY SWITCH. FRANK C. DE REAMER, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Nov. 30, 1925. Serial No. 72,123. 4 Claims. (Cl. 200—63.)



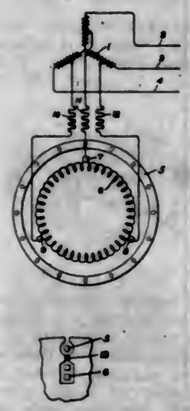
1. An electric switch comprising an insulating base with a central chamber having ratchet notches in the inner wall thereof, stationary contacts detachably seated in alternate notches, a movable pole piece adapted to engage said stationary contacts, and an insulating disk disposed in said chamber transversely thereof and pressing radially outward at its periphery against the said stationary contacts to bind them in place against the walls of their respective notches.

1,637,039. SYSTEM FOR THE TRANSMISSION OF ANGULAR MOTION. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Dec. 5, 1924. Serial No. 754,226. 5 Claims. (Cl. 177—351.)



1. A system for the transmission of angular motion comprising an inductive transmitting device, an inductive receiving device, a source of alternating current supply connected to said devices, connections between said devices including inductive means for introducing corrections, said inductive means being provided with relatively adjustable windings, and means for disconnecting said transmitting device and for connecting said inductive means to said supply source.

1,637,040. SELF-EXCITED INDUCTION MOTOR. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 9, 1924. Serial No. 691,795. 4 Claims. (Cl. 172—280.)



1. An induction motor comprising primary and secondary core members, a primary winding on said primary core member, a secondary winding wound in a set of slots near the periphery of said secondary core member, and an exciting winding inductively associated with said primary winding for supplying the magnetising current of said motor and wound in a set of slots located beneath said peripheral slots, the radial slots in the two sets being interconnected by slits to increase the magnetic reluctance of the core therebetween.

2. An induction motor comprising primary and secondary core members, a primary winding on said primary

core member, a secondary winding wound in a set of slots near the periphery of said secondary core member, and a commutator winding inductively and conductively associated with said primary winding for supplying the magnetising current of said motor, said commutator winding being wound in a set of slots located beneath said peripheral slots, said commutator winding being connected only to and supplying magnetising current only to said primary winding.

1,637,041. INDUCTION MOTOR. JOHN I. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 9, 1924. Serial No. 691,796. 4 Claims. (Cl. 172—280.)



1. An induction motor comprising cooperating relatively movable primary and secondary members, a commutated winding on said primary member, said secondary member comprising a slotted magnetic structure carrying a pair of squirrel cage windings and an exciting winding, the latter being excited from said commutated winding, the windings on the secondary being placed at different radial depths in the slots thereof with the exciting winding beneath and separated from each other by intermediate air gaps in the magnetic structure.

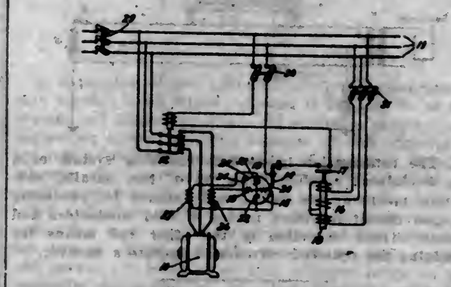
2. An induction motor comprising cooperating relatively movable primary and secondary members, a commutated winding on said primary member, said secondary member comprising a slotted magnetic structure carrying a squirrel cage winding and an exciting winding, the latter being excited from the commutated winding on the primary member, the windings on the secondary member being placed at different radial depths in the slots thereof with the exciting winding beneath and spaced apart by intermediate air gaps in the magnetic structure.

1,637,042. COMBINED AUTOMATIC AND MANUAL CIRCUIT CONTROLLER. LEONARD P. HUTT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 13, 1926. Serial No. 154,606. 18 Claims. (Cl. 200—70.)



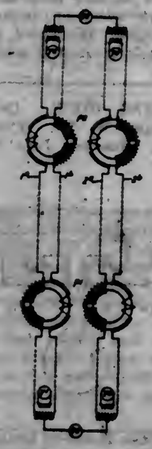
1. In a circuit controlling device, the combination of movable means for controlling the circuit, at least three separate operating means therefor, and connections between each operating means and the movable circuit controlling means for effecting movement of the circuit controlling means from one circuit controlling position to another circuit controlling position, the connections of at least a plurality of said operating means being arranged to permit the said operating means to effect return movement of the circuit controlling means from said other circuit controlling position to said one circuit controlling position.

1,637,043. PHASE-FAILURE PROTECTION. BENJAMIN W. JONES, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 28, 1925. Serial No. 53,176. 6 Claims. (Cl. 175—294.)



1. Phase failure protective means for polyphase circuits, the said means comprising two cooperating parts, one of said parts having series windings and mechanism under the control thereof arranged to effect the opening of the connection with the circuit upon less than normal phase excitation of said windings, and the other of said parts having windings connected in shunt relation with said circuit which control the closing of the connection with the cricuit when normal phase energization of the circuit is restored.

1,637,044. LOADING SYSTEM FOR TELEPHONE LINES. HANS JORDAN, Karlshorst, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 15, 1923, Serial No. 625,869, and in Germany Mar. 28, 1922. 3 Claims. (Cl. 178—45.)



1. A loading system for phantomed telephone lines comprising coils, each of which has two windings of unequal number of turns, the sum of the number of turns in the two windings being such as to give the desired inductance for the main circuit when the two coils are connected in opposite sides thereof and act in

the same sense, and the difference in the number of turns of the two windings being such as to give the desired inductance for one side of the phantom circuit when the two coils are acting in opposite senses in the two conductors constituting one side of the phantom circuit.

1,637,045. RADIO RECEIVING SYSTEM. EDWARD W. KELLOGG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 15, 1922. Serial No. 552,868. 6 Claims. (Cl. 250—11.)



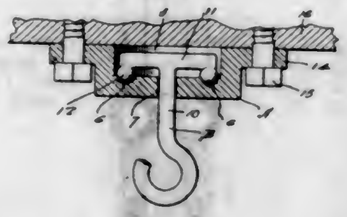
1. The combination in a radio receiving system of a long horizontal antenna made up of two parallel conductors, means at one end of said antenna for producing an open circuit reflection in one of said conductors and a short circuit reflection in the other and means for combining the reflected currents to operate a receiver.

1,637,046. DECORATIVE LIGHTING OUTFIT. VINCENT M. MONTSINGER, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 22, 1922. Serial No. 556,086. 2 Claims. (Cl. 173—263.)



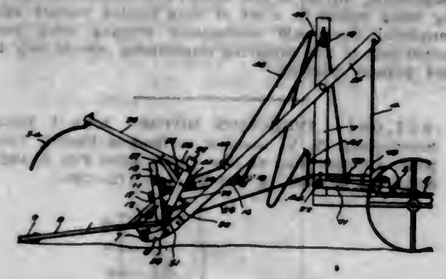
1. An electrical connection comprising a double wire trunk conductor, double wire branch conductors crossing said trunk conductors and with wires of like polarity electrically connected at said crossing, insulating means disposed between the wires of unlike polarity at said crossings, and insulating compound molded about said crossed conductors and insulating means.

1,637,047. SWINGING HOOK. BENJAMIN FRANKLIN MOORE, Parkersburg, W. Va. Filed Mar. 13, 1926. Serial No. 94,465. Renewed June 11, 1927. 1 Claim. (Cl. 248—64.)



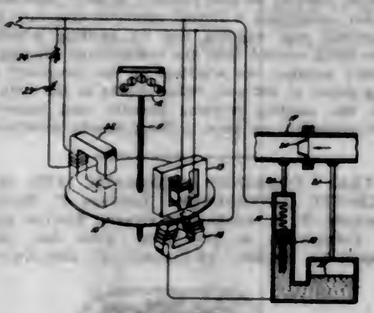
A device of the class described including a bracket having a recess, the bottom of which is provided with a slot and a pair of dished out seats aligned transversely of the slot and spaced therefrom, and a hook comprising a T-shaped shank to include a stem and a cross head, the cross head terminating in depending balls restable in the seats, said head being insertable into the recess through the slots.

1,637,048. HAY-HARVESTING APPARATUS. OLE B. PAULSON, Great Falls, Mont. Filed Jan. 5, 1926. Serial No. 79,349. Renewed June 20, 1927. 6 Claims. (Cl. 214—131.)



1. The combination of a rake having an upright back portion, a rock shaft journaled on said back portion, swingable retaining means carried by said rock shaft and disposed and movable above the rake, an arm fixed to and extending laterally from the rock shaft, movable means on the rake constructed and arranged to automatically engage the rock shaft arm when the retaining means is raised and thereby detachably secure said retaining means in raised position, and means connected with said movable means whereby the latter may be moved for the release of the retaining means by a person remote from the rake.

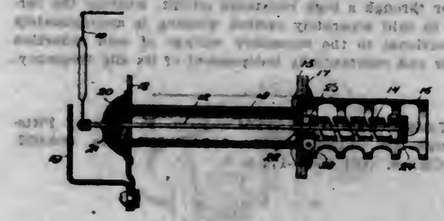
1,637,049. ELECTRIC METER. WILLIAM H. PRATT, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 17, 1926. Serial No. 155,498. 6 Claims. (Cl. 171—264.)



1. An integrating meter of the induction type in which the damping force is supplied by electromagnetic means energized from an alternating current supply and means for automatically controlling the damping force thus supplied in response to changes in frequency for compensating the meter for frequency errors.

1,637,050. TEMPERATURE INDICATOR. WILLIAM A. RANKIN, Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc., a Corporation of New York. Filed Apr. 12, 1921. Serial No. 460,727. 3 Claims. (Cl. 73—118.)

1. An oven thermometer comprising a hollow support adapted to be secured in an aperture in an oven wall, a spindle extending through said support, thermo-responsive means mounted on the inner end of said support connected to turn said spindle, indicating means including an arm fastened to and extending radially from the outer end of said spindle, an index member attached to and extending angularly from the free end of said arm, a casing attached to the outer end of said support enclosing said arm and index member, said casing having a curved edge wall provided with an opening adjacent which said index member is movable.

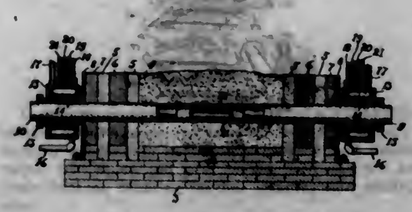


1,637,051. DIAL FOR RADIO APPARATUS. FREDERICK W. RENWICK, Camden, N. J. Filed Feb. 16, 1925. Serial No. 9,906. Renewed Feb. 12, 1927. 9 Claims. (Cl. 74—38.)



1. As a new article of manufacture, a radio apparatus dial having a projecting bushing portion, and a weighted body mounted on the projecting portion of the bushing.

1,637,052. PROCESS OF PRODUCING METALLIC CARBON. CONWAY ROBINSON, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y., a Corporation of Pennsylvania. Filed Aug. 1, 1921. Serial No. 489,107. Renewed Dec. 15, 1925. 6 Claims. (Cl. 204—64.)



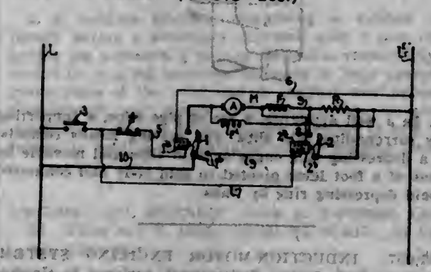
1. The process of producing elemental metallic carbon, which consists in subjecting a substance containing carbon to a high temperature in the presence of cellulose, removing all substances except the true elemental carbon thus produced, and subsequently working said elemental carbon into a dense, coherent, homogeneous mass in an inert environment.

1,637,053. TILTING TRAY. JOHN SCHUMACHER, Sr., Los Angeles, Calif. Filed Nov. 26, 1921. Serial No. 517,624. 4 Claims. (Cl. 105—270.)



1. Apparatus of the character disclosed, comprising a tray member upon which material is adapted to be supported, and supporting means for said tray member; said supporting means including separate pivotal supports respectively disposed eccentrically of the tray member, whereby the tray member may be supported in one position by both of said supports, and supported in another and tilted position by one of said supports; said supporting means including uprights and said tray member having arbors revolubly received by said uprights, and means for locking the tray member either in substantially horizontal or in tilted position; said tray member comprising a frame and a tray provided with an edge rail to maintain the material in position upon the tray when the tray is in tilted position; said uprights being spaced apart and each comprising two members, and said means for releasably locking said tray being disposed between the members of said uprights.

1,637,054. CONTROLLER FOR ELECTRIC MOTORS. EDWIN W. SEDGWICK, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 5, 1925. Serial No. 54,641. 4 Claims. (Cl. 172—288.)

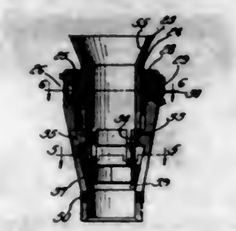


1. In a motor control system, the combination with an electric motor, of an electro-responsive line switch for controlling the circuit of said motor, an electro-responsive accelerating switch for said motor, means for controlling the energizing circuit of said line switch and for also establishing a maintaining circuit therefor upon closure thereof, and a plurality of operating windings associated with said accelerating switch and controlled by said means to provide for delayed closure of said accelerating switch upon closure of said main switch and for immediate opening of said accelerating switch upon opening of said main switch.

1,637,055. CASING HEAD. AUGUST L. SEGELHORST, Whittier, Calif. Filed June 12, 1923. Serial No. 644,868. 6 Claims. (Cl. 166—14.)

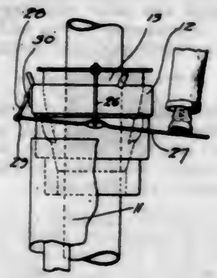
1. In a packing organization comprising an upwardly-expanding sleeve carrying circumferential threads, the combination of: a body constituting a casing head which is directly engageable by said sleeve and has a down-

wardly diminishing opening through which a shaft may extend; a compressible member composed of cooperating and resiliently disposed annular slip segments, also downwardly diminishing within said body, and disposed concentrically with respect to said shaft, and arranged to be



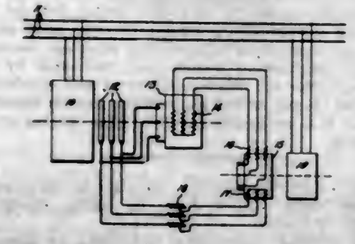
compressed into gripping contact with said shaft; and means at the end of said sleeve for compressing said member in said downwardly diminishing opening, the lower end of said sleeve being provided with means causing an inward slippage of said compressible member relatively thereto during compression.

1,637,056. SLIP HANDLER. AUGUST L. SEGELHORST, Whittier, Calif. Filed Apr. 7, 1924. Serial No. 704,743. 10 Claims. (Cl. 24—263.)



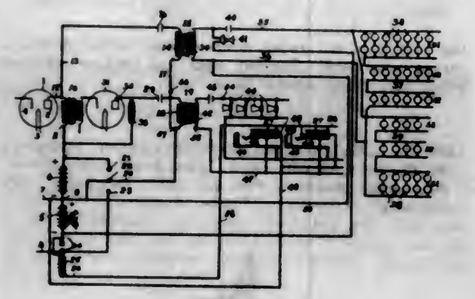
4. In a well appliance, a set of pipe slips, a supporting body surrounding said slips, and moving means comprising a depressing ring engaging said slips and movable by means of a foot lever pivoted to said body and connected to said depressing ring by links.

1,637,057. INDUCTION-MOTOR EXCITING SYSTEM. WALTER SEIZ, Baden, Switzerland, assignor to General Electric Company, a Corporation of New York. Filed Apr. 6, 1926, Serial No. 100,154, and in Germany May 14, 1925. 3 Claims. (Cl. 172—274.)



2. In combination, an induction motor, a commutator machine connected in cascade therewith, an exciter for furnishing the excitation of said first mentioned commutator machine, said exciter comprising a commutator machine having a series compounding winding and a separately excited winding, said last mentioned winding being excited from the secondary voltage of said inducton motor through a high resistance circuit, whereby the current in said separately excited winding is approximately proportional to the secondary voltage of said induction motor and substantially independent of its slip frequency.

1,637,058. RADIO SYSTEM. PAUL F. SHUBY, Pittsburgh, Pa. Filed Nov. 10, 1922. Serial No. 600,057. 3 Claims. (Cl. 179—171.)



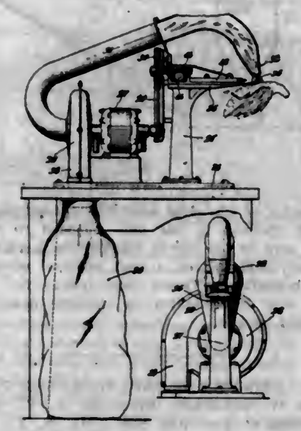
1. In a radio receiving system a relatively large number of receiving elements, and a transformer having the said receivers in circuit therewith, the receivers being grouped in series and parallel relations to make the impedance they impose in the circuit approximate that of the secondary of the transformer.

1,637,059. ELECTRIC CONNECTER. ALBERT H. SIMMONS, Oak Park, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill., a Corporation of New York. Filed Mar. 25, 1924. Serial No. 701,850. 6 Claims. (Cl. 173—332.)



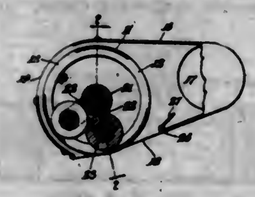
1. An electric connecter comprising cooperating insulating members, contacts secured between said insulating members, a cylindrical cross bar, conductors connected to said contacts and wrapped around said cross bar, flexible supporting means for said conductors pivotally engaging said cross bar, and plates securing said cross bar and supporting means to said insulating members while providing for rocking movement of said supporting means on said bar.

1,637,060. APPARATUS FOR PLUCKING FOWLS. AARON SIMONS, New York, N. Y., assignor of one-fourth to Nathan Weinberg and one-fourth to Issay Weinberg, Brooklyn, N. Y. Filed Sept. 5, 1925. Serial No. 54,643. 25 Claims. (Cl. 17—11.)



1. A fowl plucking device including a reciprocatory member, a pair of relatively movable feather gripping members carried thereby, and means for opening said gripping members when said first mentioned member is in open position and closing them when it is in another position.

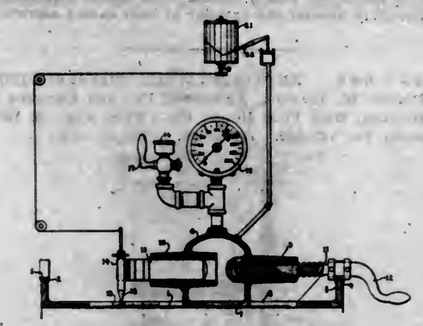
1,637,061. FOWL-PLUCKING DEVICE. AARON SIMONS, New York, N. Y., assignor of one-fourth to Nathan Weinberg and one-fourth to Issay Weinberg, Brooklyn, N. Y. Filed Feb. 12, 1926. Serial No. 87,733. 16 Claims. (Cl. 17—11.)



1. A fowl plucking device including a curved blade rotatable about the approximate center of curvature, and a member adapted to be engaged thereby and disposed between said blade and said center, said member and said blade forming coacting feather gripping and pulling members.

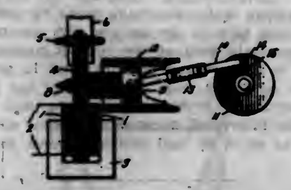
1,637,062. TESTING APPARATUS FOR SOLENOIDS AND THE LIKE. HERMAN J. TAYLOR, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 18, 1920. Serial No. 428,866. 3 Claims. (Cl. 265—2.)

1. Apparatus for testing solenoids and other power devices comprising an indicator, means for subjecting the same to influence in accordance with the force developed by such device tending to effect relative move-



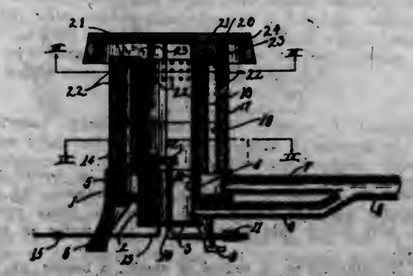
ment of its parts and adjustable means associated with said last-mentioned means for controlling the degree of reative movement of such parts.

1,637,063. ELECTRIC WELDING. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1924. Serial No. 745,890. 4 Claims. (Cl. 219—4.)



2. A welding machine comprising a welding transformer having a secondary provided with a pair of projecting leg members, a pair of electrodes respectively connected to said leg members arranged to bear against opposite sides of the work and to conduct welding current therethrough and means comprising a core movable between the secondary projecting leg members of said transformer to control the reactance of the welding circuit.

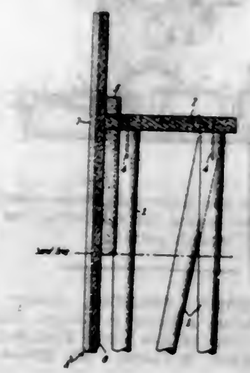
1,637,064. OIL BURNER. OLOF A. TOPPTEEN, Chicago, Ill. Filed Nov. 5, 1925. Serial No. 66,917. 11 Claims. (Cl. 158—86.)



1. An oil burner comprising a chambered end section, fuel supply means connected therewith, air supply pipes connected with said end section to supply air to the chambers of said end section, a hollow apertured casing section connected with said end section to receive the air

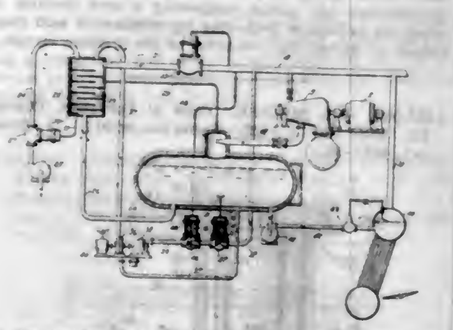
from said end section chambers, and a closed baffle end section adjacent the apertured end of said casing section to direct the flames issuing from said casing section downwardly around the exterior of said casing section.

1,637,065. RETAINING-WALL CONSTRUCTION. SAMUEL W. TRAYLOR, Allentown, Pa., and CHARLES H. RUGGLES, West Palm Beach, Fla. Filed Aug. 25, 1926. Serial No. 131,352. 6 Claims. (Cl. 61—39.)



1. A retaining wall comprising posts forming pilasters at the exposed face of the wall, a slab construction extending along said wall at the rear of and attached to said posts to support and to hold them in position and to serve as an upper wale to determine the position of the wall structure between said posts, and preformed curtain slabs interposed between said posts and engaging said posts so as to be held thereby against the slab construction.

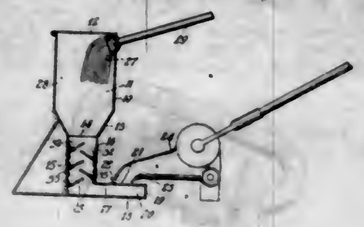
1,637,066. STEAM ACCUMULATOR PLANT. FRITZ WETTSTEIN, Summit, N. J., assignor to Ruths Accumulator Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed Mar. 4, 1926. Serial No. 92,161. 23 Claims. (Cl. 122—35.)



1. In combination, a source of steam, a heater, an accumulator, means to circulate water between the accumulator and the heater, and means to bring steam from said source into contact with said water in said heater.

7. In combination, a source of steam, a heater, an accumulator, means to conduct steam from said source to said heater, means to circulate water between the heater and the accumulator and means to control the rate of circulation in response to variations in pressure of steam in said source and in response to variations of temperature in said accumulator.

1,637,067. VACUUM CLEANER. HERMAN WIECKHORST, Brooklyn, N. Y. Filed May 18, 1926. Serial No. 109,835. 3 Claims. (Cl. 15—104.)



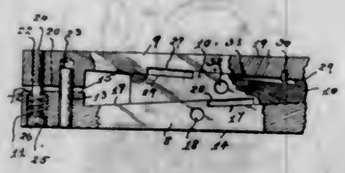
1. A device of the class described comprising a hopper having an opening in one side adapted to receive the head of a mop or the like, a hinged door normally closing said hopper, baffle plates, a neck integral with said hopper and beneath the same, and means for detachably mounting said baffle plates in inclined position in the neck of said hopper.

1,637,068. PROCESS OF TREATING FOOD PRODUCTS. WALTER W. WILLISON, Brooklyn, N. Y., assignor to Thermokept Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 2, 1924. Serial No. 690,297. 5 Claims. (Cl. 99—8.)

1. The method of preparing food products which comprises subjecting the selected food product to a high degree of vacuumization and while so subjected supplying liquid to immerse said food product, then breaking said vacuum to cause the liquid to penetrate and surround the cell structure of the food product, and thereafter subjecting said liquid filled product to a high temperature for conversion of the starch content.

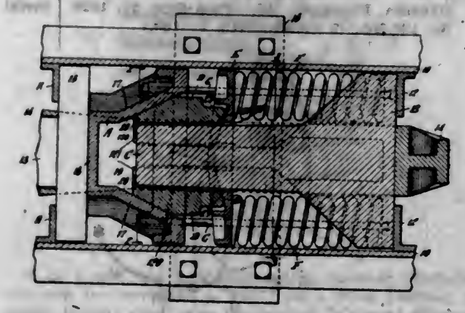
5. A food product consisting of a vacuum treated starchy food compound wherein the starch has been hydrolyzed, the air removed from the food product and the product self-sealed by a portion of the starch.

1,637,069. LOCKING DEVICE FOR PRINTING FORMS. ADOLPH J. BLAZEK, Baltimore, Md. Filed Jan. 25, 1923. Serial No. 614,719. 3 Claims. (Cl. 254—42.)



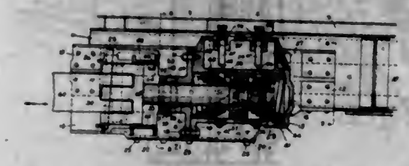
1. In a locking device for printing forms the combination with two bars each having a series of longitudinally-extending inclined bearing-faces on their confronting inner sides, and at the end beyond said series of inclined faces one of said bars having a pin-recess and a bolt and the other bar having a bolt-head recess and a pin,—said pin entering the pin-recess of the first named bar and the head of said bolt being confined in the bolt-head recess of the second-named bar, one of said two bars having perforations for an operating tool and a wedge-bar having longitudinally extending inclined faces at its opposite sides to engage the inclined faces on the two bars and said wedge-bar also having perforations for engagement by an operating tool.

1,637,070. FRICTION SHOCK-ABSORBING MECHANISM. ABILD M. BRENNE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 21, 1925. Serial No. 51,607. 2 Claims. (Cl. 213—36.)



1. In a friction shock absorbing mechanism, the combination with a follower having a longitudinally disposed friction post thereon, said post having friction surfaces on the opposite sides thereof, each surface comprising two longitudinally disposed flat faced sections, said sections converging laterally outwardly; a follower having a pair of opposed interior flat wedge faces, said followers being movable relatively toward and away from each other; friction shoes at each side of the post, each having a friction surface composed of two flat faced sections correspondingly disposed to the flat sections of the surface of the post at the same side of the mechanism and co-operating therewith, and each also having a flat wedge face co-operating with said follower wedge face at the same side of the mechanism; and twin arranged spring resistance means at opposite sides of the post opposing movement of the friction shoes.

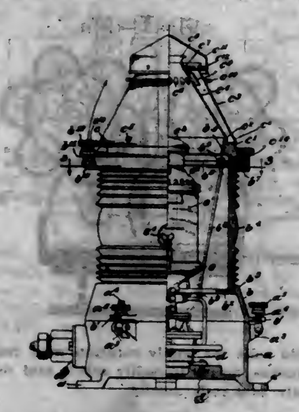
1,637,071. DRAFT GEAR. EDWARD F. CAREY, Chicago, Ill. Filed Oct. 10, 1925. Serial No. 61,717. 20 Claims. (Cl. 213—43.)



1. A draft gear comprising a housing containing a piston chamber, a piston reciprocable in said chamber, springs on opposite sides of said piston, an air and liquid chamber, ports connecting both chambers and in communication with opposite sides of said piston, and manually operable valve means within said liquid and air chamber adapted to control one of said ports.

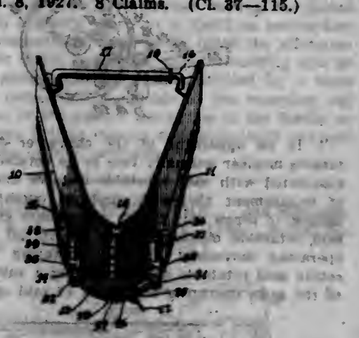
1,637,072. BEACON LAMP. ARTHUR V. CONOVER, New York, N. Y., assignor to Interflash Signal Corporation, New York, N. Y., a Corporation of New York. Filed June 5, 1926. Serial No. 113,843. 4 Claims. (Cl. 240—7.5.)

1. In a beacon lamp, a base section, means to secure the section to a support, means to mount a source of light in the base section, an intermediate section removably secured to the base section comprising top and bottom portions, a lens carried therebetween, stays extending between the top and bottom portions and securing the lens therebetween, a top section pivoted to the intermediate section to provide ready access to the light



source, a chimney carried by the top section and a baffle carried by the chimney to prevent the flow of water into the lamp.

1,637,073. SCRAPER. ALFRED B. ESSELTINE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1924, Serial No. 752,292, and in Canada Mar. 24, 1924. Renewed Jan. 8, 1927. 8 Claims. (Cl. 37—115.)



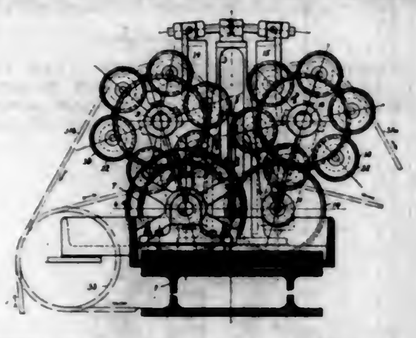
1. A scraper provided with forwardly extending walls movable laterally with respect to each other, toggle means at the rear end of the scraper having connection with both of said walls, and a tail rope having movable connection with said toggle adapted to produce balanced draft on said walls in one position of said toggle means, and to produce unbalanced draft in another position of said toggle means.

1,637,074. EDGING MACHINE. HENRY J. GAISMAN, New York, and CONRAD SCHUMACHER, Lynnbrook, N. Y., assignors to Autostrop Patents Corporation, Dover, Del., a Corporation of Delaware. Filed Mar. 23, 1923. Serial No. 627,093. 10 Claims. (Cl. 51—37.)

1. An edging machine comprising a rubbing medium, means to rotate said medium bodily at one side of an article to be edged into and out of contact therewith, and means to rotate said medium axially in contact with the article during bodily rotation of the medium, the said bodily and axial rotations of said rubbing member being continuous before, during and after contact with the article.

8. An edging machine comprising means to guide a strip to be edged, an arm movably supported adjacent to

said guiding means, means to adjustably retain said arm with relation to said guiding means, edging rolls, means



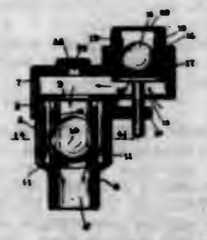
to support said rolls for bodily rotation with respect to said guiding means, means to bodily rotate said rolls, and means to rotate said rolls axially.

1,637,075. COPYHOLDER. PETER GRABLER, Rocky River, Ohio, assignor of one-half to Charles E. Day, Lakewood, Ohio. Original application filed Jan. 16, 1925, Serial No. 2,720. Divided and this application filed Mar. 11, 1926. Serial No. 94,075. 18 Claims. (Cl. 192—12.)



1. In an apparatus of the character described, a rotatable member normally free to be rotated, clutch means associated with said rotatable member and normally out of engagement therewith, and an operating means arranged to throw said clutch means into engagement with said rotatable member during the initial portion of the operating movement of said operating means and to rotate said rotatable member during a subsequent portion of the same operating movement of said operating means.

1,637,076. SAFETY VENT VALVE. JULIUS P. HEIL and ARTHUR BORCHARDT, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 618,165. 4 Claims. (Cl. 277—61.)



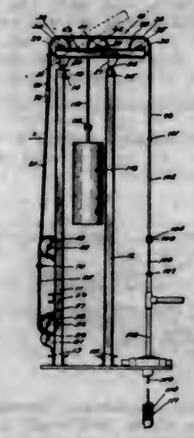
1. A safety vent valve, comprising a main valve casing open at its upper and lower ends, a supplemental valve casing mounted on the upper end portion of said valve casing and having a valve outlet opening above the main casing and an inlet valve opening offset therefrom and an outlet opening above the offset opening, a valve positioned in the main casing for closing the valve opening adjacent thereto but being normally in open position, a comparatively light weight valve closing the inlet opening, a valve plug mounted in the supplemental casing opening above the inlet opening and having an outlet opening formed therein and a valve closing said outlet opening.

1,637,077. FACIAL-STEAMING APPARATUS. ANNA E. HERRERA, Baltimore, Md. Filed Sept. 21, 1926. Serial No. 136,765. 5 Claims. (Cl. 4—165.)



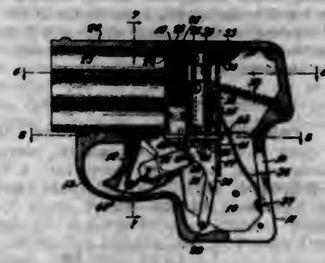
1. A facial steaming device comprising a veil of a shape to be folded about the body, and providing an upper part arranged to fit and be sustained about the forehead of the user, said veil carrying a transparent portion arranged when in position to permit of inspection of the face of the wearer, the lower portion of the veil being extended sufficient to enclose a steaming appliance.

1,637,078. LONG-STROKE PUMPING MECHANISM. FRANK F. HILL, Los Angeles, Calif. Filed Aug. 3, 1925. Serial No. 47,773. 8 Claims. (Cl. 74—14.)



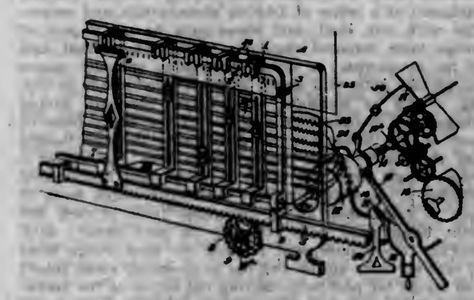
1. An apparatus of the class described comprising: a supporting structure adapted to be mounted in a derrick substantially to one side of the well axis thereof; a flexible reciprocator movably supported by said supporting structure, said flexible reciprocator comprising a plurality of flexible members adapted to travel over pulleys supported by said supporting structure; means for attaching one end of said flexible reciprocator to a polish rod in said derrick; mechanism for reciprocating said reciprocator supported by said supporting structure, said mechanism comprising a rotatable drive member, a rotatable driven member, an endless member extending around said drive and driven members, and means for driving said drive member in order to continuously move said endless member; and means for poising said reciprocator to said endless member, said reciprocator being reciprocated by said endless member.

1,637,079. GAS GUN. JOSEPH W. KARNER, Jr., New York, N. Y. Filed Nov. 7, 1924. Serial No. 748,316. 9 Claims. (Cl. 42—1.)



6. In a gun, the combination of a hammer pivotally mounted for movement to and from a firing position, a spring bearing directly on the hammer in spaced relation to its pivotal mounting for swinging the same about its pivotal mounting and for moving the hammer on its firing movement, said hammer having a plurality of firing positions and trigger actuated mechanism operatively connected for placing the spring under tension and for moving the hammer successively into its several firing positions and means controlled by the movement of said mechanism into its final position for releasing the same automatically from the hammer and for permitting the spring to react on the hammer and move the same into its firing position.

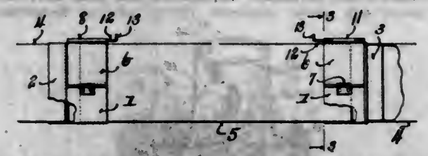
1,637,080. ELECTRIC SIGNAL TRANSMITTER. CHARLES H. KESSEE, New York, N. Y. Filed Dec. 16, 1924. Serial No. 756,262. 4 Claims. (Cl. 177—380.)



1. In a variable signal transmitter having in combination a means arranged to start and to stop the operation of said transmitter, a series of switches arranged in a straight path, each one of said switches consists of a member carrying one contact, a second member slidably arranged in said first named member carries a second contact, a spring button, provided to move and to adjust said second member in said first named member to various selective positions to provide means to change the distance between said first and said second named contact and a bridging contact carried by a suitable driving mechanism in said straight path to bridge said members by the starting of said signal transmitter with said means.

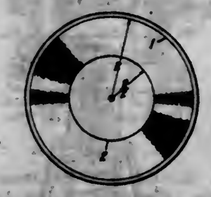
1,637,081. COUPLING. JOSEPH L. LEMMOND, Green Bay, Wis. Filed Feb. 14, 1927. Serial No. 168,005. 3 Claims. (Cl. 285—194.)

1. A coupling for a pipe comprising a body portion having an outwardly projecting pipe receiving member, said body portion being semi-cylindrical and having a narrow continuation thereof extending from one edge of the semi-cylindrical body portion to the other edge thereof,



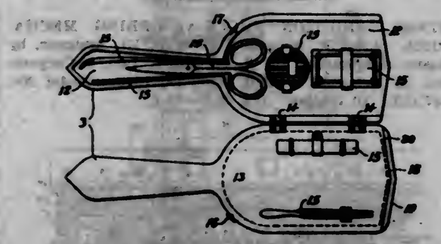
a pair of gate sections hinged to the body portion and extending part way around the coupling, and means for drawing the gate sections towards each other.

1,637,082. SOUND-RECORDING METHOD. JOSEPH P. MAXFIELD, Wyoming, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Jan. 17, 1925. Serial No. 2,971. 8 Claims. (Cl. 274—46.)



1. A method of increasing the time of effective run of a phonograph record which comprises cutting the sound variations into a record blank at a speed in revolutions per minute substantially equal to 60 times the minimum linear speed at which successful sound recording can be effected in a given recording material divided by π times the radius in inches of the outside of the recording cut from the center of the record, the radius of the inside recording cut being limited thereby to substantially one-half the radius of the outside recording cut.

1,637,083. HAIRBRUSH WITH COMB. ABE MELTZER, New York, N. Y. Filed Sept. 16, 1926. Serial No. 135,743. 11 Claims. (Cl. 132—85.)

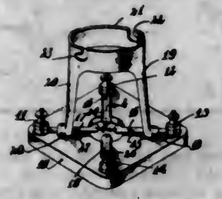


1. A hair brush having a body for the brush, a brush member having an elongated auxiliary back, said body having a channel wider at its bottom and of the width of said back, and said back being configurated to fit said channel and adapted to slide longitudinally into and out of said channel for mounting and demounting the brush member.

1,637,084. RADIO TUBE SOCKET. GUADALUPE MENDEZ, Dawson, N. Mex. Filed Jan. 22, 1926. Serial No. 88,008. 5 Claims. (Cl. 173—328.)

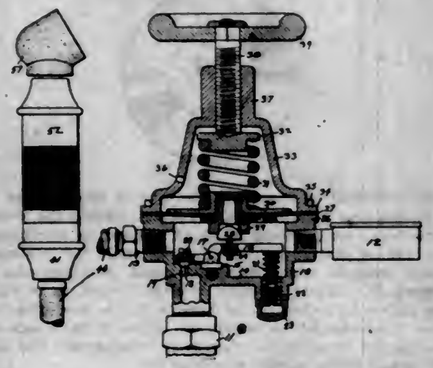
1. In a vacuum tube socket, a base of suitable material, electric terminals secured to the said base, and contact clips extending from the said terminals to points concentric thereto, the said clips supported on adjusting bars

which rest within grooves in the said base and are adapted to be moved therein to regulate the tension of the said clips, standards secured to the said base and



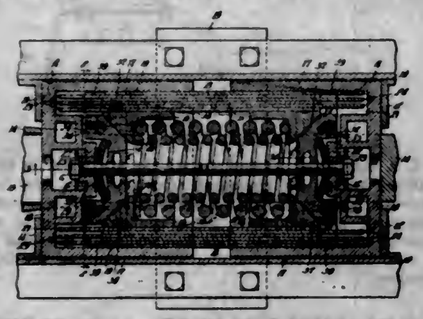
free from current carrying contact with the clip members, the said standards supporting a collar centrally located over the free ends of the said contact clips.

1,637,085. PRESSURE REGULATOR. ARTHUR M. NICHOLS, Tigard, Oreg. Filed Jan. 4, 1926. Serial No. 79,083. 3 Claims. (Cl. 50—10.)



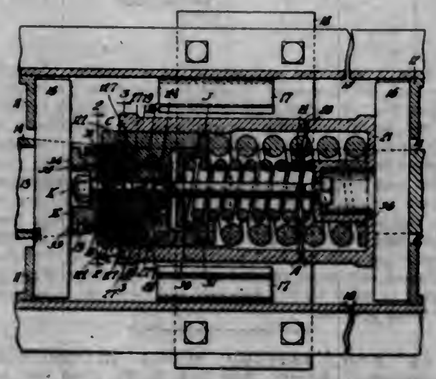
2. The combination of a pressure reducing valve and a vibrating valve in series with said reducing valve having a pressure resisting element therein adapted to establish a differential between the reduced pressure and the delivered pressure.

1,637,086. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed June 25, 1923. Serial No. 647,433. 10 Claims. (Cl. 213—33.)



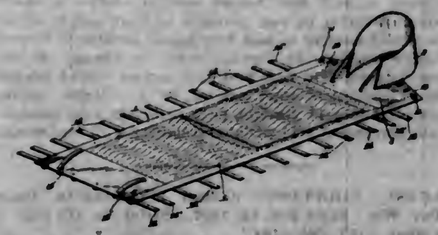
1. In a friction shock absorbing mechanism, the combination with a follower acting member; of friction means held against lateral movement, said friction means and follower member being relatively movable longitudinally of the mechanism; a spring resistance; a friction wedge pressure creating system including a plurality of wedge friction shoes co-operating with said friction means, a sectional wedge and spreading means interposed between said follower and wedge for effecting expansion of the latter upon relative approach of the follower and wedge, said spreading means being held against collapse between said follower and wedge during compression of the mechanism, and co-acting means on said wedge and follower for limiting the relative movement thereof, whereby, the expansion of the wedge is limited.

1,637,087. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Aug. 23, 1923. Serial No. 658,874. 7 Claims. (Cl. 213—34.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a series of friction shoes within and cooperable with said shell, said shoes each having a pair of wedge faces disposed angularly to the longitudinal axis of the mechanism; a spring resistance; spreader means co-operable with said shoes, said spreader means including a pair of elements, one of said elements having wedge faces co-operating with one of the wedge faces of each of said shoes, and correspondingly inclined thereto and the other element having wedge faces disposed at a keener angle than the wedge faces of said first named element co-operating with the remaining wedge faces of each of said shoes, all of the wedge faces of each element being fixed with reference to each other; antifriction rollers interposed between the keen wedge faces of said spreader means and the co-operating shoes faces; and means for positively limiting the action of the keener wedge faces when a predetermined frictional resistance is encountered.

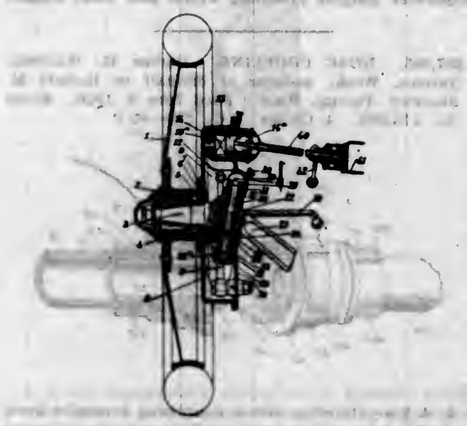
1,637,088. PAD FOR INFANTS. BESSIE PADOLSKY, Philadelphia, Pa. Filed Mar. 2, 1925. Serial No. 12,589. 1 Claim. (Cl. 5—343.)



A pad for infants comprising a sheet of suitable material having substantially parallel rows of fastenings adjacent to the longitudinal edges thereof and a shoulder

portion at the upper end thereof, the lower portion of said sheet being adapted to be folded over varying amounts and transverse to the length of the pad to enclose the feet and cover the body of an occupant and forming an overlay section of variable length attachable in several positions by said fastenings to the underlying section of the pad, an open pocket formed on the underlying section of the pad and containing a removable impervious member, padding disposed between said impervious member and the inner surface of the pad, and cooperating fastening means on said shoulder portion and the opposite end of the pad for securing them together.

1,637,089. FRONT-WHEEL MOUNTING. HENRI PERROT, Paris, France, assignor to Bendix Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1922, Serial No. 584,324, and in France Dec. 7, 1921. 5 Claims. (Cl. 280—96.1.)

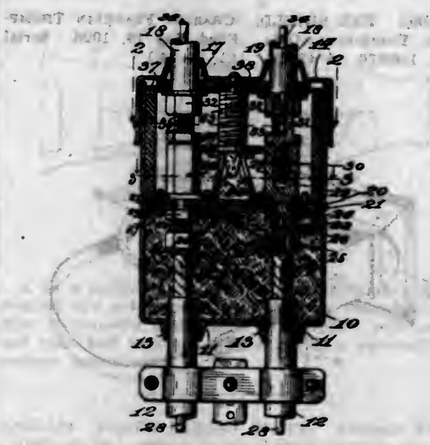


1. In a front wheel for motor vehicle, the combination of a wheel spindle, a disc provided on said wheel spindle, two symmetrical bosses on said disc and provided with long inner bushings having the same inner diameter, a cylindrical steering spindle rotatably mounted in said bushings, a tight plug on the lower part of the lower bushing, a thrust bearing upon the said lower bushing and means comprising a disc constituting in combination with said first named disc a tight casing around said thrust bearing and a brake housing, said last disc having an opening leading to the upper bushing, a cap pivotally mounted on the upper bushing, an oiler secured to said cap, a cover arranged between said oiler and said cap and closing the opening and an axial conduit in said steering spindle and connecting the inside of said cap with the inside of the said plug.

1,637,090. AUTOMATIC DISCONNECTING POT HEAD. ALEX C. RUMBLE, Los Angeles, Calif., assignor of one-half to William Edward Lauer, Los Angeles, Calif. Filed Nov. 5, 1926. Serial No. 146,374. 10 Claims. (Cl. 200—51.)

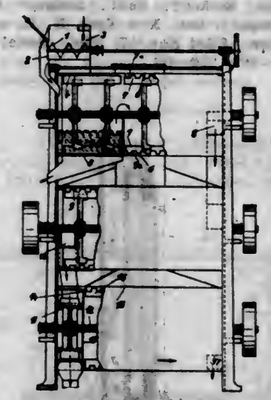
1. In a disconnecting pot-head, a housing formed in two parts, each of which is adapted to receive a pair of cables, means within the pot-head for detachably connecting the terminals of the conductors in said cables and means associated with said pot-head for normally exerting pressure on the parts thereof tending to separate the same and effect a disconnection of the parts that connect the conductors within said cables.

3. In a disconnecting pot-head, a housing, a cover therefor, said housing and cover being provided with openings for the accommodation of cables, socket members secured to the conductors of the cables entering the housing, contact plugs secured to the cables entering the cover, which contact plugs are adapted to be removably positioned in the socket members when the cover is



properly positioned on the housing, short-circuiting springs arranged within the housing and connected to the socket members therein and means carried by the cover for normally holding said contact members out of engagement with each other.

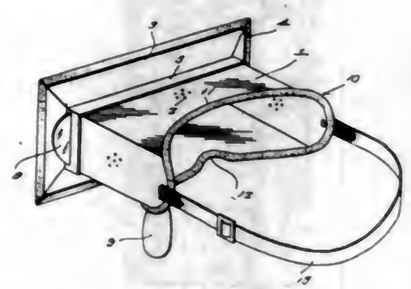
1,637,091. PROCESS FOR THE REMOVAL OF THE CEREALINS AND DRYING OF GRAIN MOISTENED FOR THIS PURPOSE. STEFAN STEINMETZ, Berlin, Germany. Filed Nov. 6, 1926, Serial No. 146,697, and in Germany Oct. 19, 1925. 1 Claim. (Cl. 83—28.)



A process for removing the "cerealine" from grains, which consists in soaking the grains in a single uninterrupted process and during positive motion of the same, washing said grains, thereupon exposing said grains under exclusion of ventilation to an interior friction, so as to raise the temperature in the vicinity of the grains to such an extent, that the water carried along with the grains will become lukewarm and thus be able to soften the cerealin and partly dissolve the same, thereupon rubbing and sucking off the so loosened and detached shells
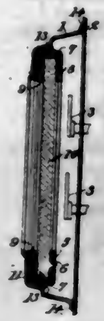
in the known way from the grains, again washing the grains with pressure water, polishing said grains in a polishing machine; and liberating said grains by action of centrifugal force from the moisture adhering thereto.

1,637,092. EYE SHIELD. CHARLES FRANKLIN THOMPSON, Youngstown, Ohio. Filed May 19, 1926. Serial No. 110,176. 1 Claim. (Cl. 2—14.)



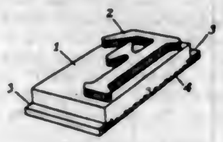
As a new article of manufacture, an eye shield of the class described comprising a substantially rectangular member forming a passage, the inner end of said rectangular member being shaped to bear against the forehead and upper portion of the face of the wearer, cushioning means associated with said inner end, an outwardly flared member connected with the outer end of said rectangular member, said flared member being provided with a marginal protecting strip, a guide carried by said flared member, a glass slide mounted in said guide, a handle carried by said rectangular member, and a head strap also carried by said last named member.

1,637,093. INDEX-GLASS INCLOSURE. KENNETH C. TOMLINSON, Berkeley, Calif., assignor to American Meter Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Nov. 17, 1926. Serial No. 148,947. 1 Claim. (Cl. 220—82.)



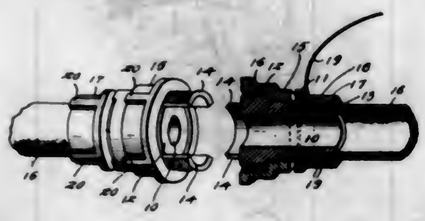
An index glass inclosure for meters comprising an index box frame; oppositely interfitting flanged frames, the flange of one frame being crimped down upon the back of the other frame; an index glass confined between said frames; gaskets associated with said glass and frames, and means for holding and hermetically sealing said frames with said index box frame.

1,637,094. PRINTING DIE. HAROLD R. WADE and LEE M. HARLEY, Pittsburgh, Pa., assignors to Jas. H. Matthews & Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 15, 1927. Serial No. 168,316. 1 Claim. (Cl. 101—379.)



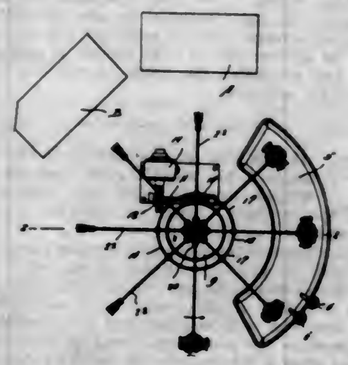
A printing die consisting of a block of rubber containing an inlay of metal, such block bearing on its face the character to be printed, and being formed at its ends with opposite basal flanges, and said inlay being of attenuated form, with opposite folded-over margins, such folded-over margins extending within said basal flanges.

1,637,095. HOSE COUPLING. OLIVER H. WALTERS, Tacoma, Wash., assignor of one-half to Herbert M. Shockley, Tacoma, Wash. Filed June 3, 1926. Serial No. 113,560. 4 Claims. (Cl. 285—82.)



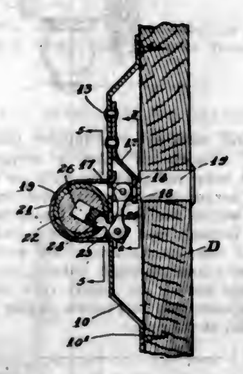
1. A hose attaching means comprising a coupler head, a flexible hose end engaged on the coupler head, means rotatable on the hose end for winding a flexible element on the hose end within the said rotatable means, and means for holding the end of the flexible element with respect to the hose end.

1,637,096. POULTRY-DIPPING MECHANISM. JOHN ALLEN, Greensburg, Ind. Filed Apr. 26, 1927. Serial No. 186,704. 6 Claims. (Cl. 17—11.)



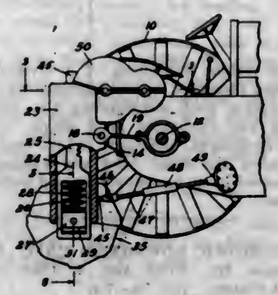
1. In a fowl dipping apparatus of the character described, a dipping tank, a plurality of movable and pivotal arms arranged adjacent said dipping tank, the outer ends thereof adapted for receiving the fowl to be dipped, means for moving the arms with respect to the tank and means for normally supporting the fowl carrying ends of the arms in position above the tank, said means being constructed to permit the downward movement of the fowl carrying ends of the arms when within the confines of the tank resulting in the dipping of the fowl within the tank.

1,637,097. LOCK. ARTHUR E. ANAKIN, Long Beach, Calif., assignor, by mesne assignments, to Safeway Lock Company, a Corporation of Nevada. Filed Jan. 15, 1925. Serial No. 2,530. 11 Claims. (Cl. 70—46.)



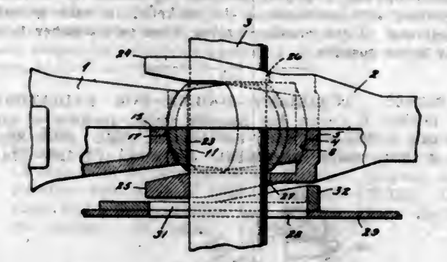
1. A lock comprising a sliding bolt, a rotatable shank, a crank pivoted to said shank, means forming a universal connection between said crank and said bolt, and a keeper for said bolt.

1,637,098. PULVERIZER. THOMAS J. BARNES, Azusa, Calif. Filed Feb. 6, 1925. Serial No. 7,317. 1 Claim. (Cl. 97—40.)



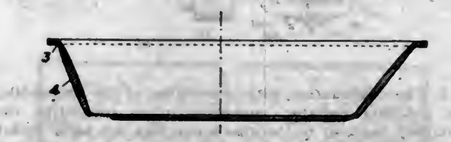
In combination with a tractor, a transverse brace secured to the draw bar attaching means of the tractor, brackets secured to the axle housing of the tractor and to said brace, supporting boxes for pulverizing devices rigidly secured to said brace, a shaft journaled in said supporting boxes, and pulverizing devices mounted upon said shaft.

1,637,099. DRAFT RIGGING. DONALD S. BARROWS, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Jan. 30, 1925. Serial No. 5,763. 17 Claims. (Cl. 213—69.)



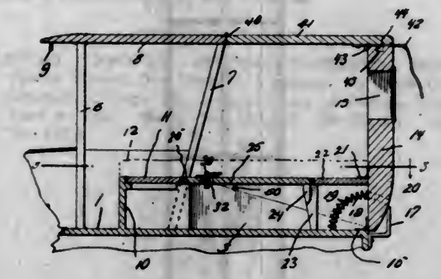
1. In a railway draft rigging, the combination with a coupler, of a yoke, and a key connecting the coupler and yoke to transmit draft forces and support said coupler and yoke, said yoke and coupler having a universal connection therebetween.

1,637,100. PAPER BAKING PLATE. ANDREAS BOTHE, Oreland, Pa., assignor to Kleen Products Company, Inc., North Wales, Pa., a Corporation of Delaware. Filed Aug. 11, 1926. Serial No. 128,667. 1 Claim. (Cl. 53—6.)



A baking plate consisting of a single rectangular sheet of paper compressed into dish shape and having a bowl, a rim rectangular in outline, a smooth interior surface, and rounded corners, the fibers of the paper by redistribution affording the smooth interior surface and the rectangular shape and the rounded corners.

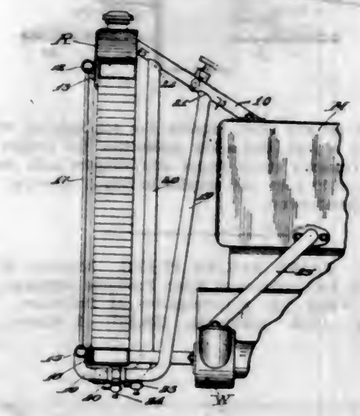
1,637,101. CONVERTIBLE AUTOMOBILE BODY. FRANK BUNEVAC, South Bend, Ind. Filed Aug. 16, 1926. Serial No. 129,419. 2 Claims. (Cl. 296—23.)



1. An automobile body having a top, an auxiliary top hinged to said top, a hinged and swingable rumble member having arcuate apertures and adapted in one position to cooperate with the auxiliary top in forming a rear coachlike portion, and spring means for facilitating up-

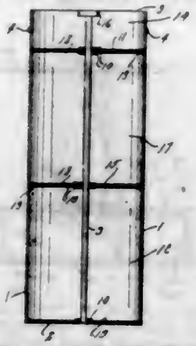
ward movement of the rumble member; the said spring means comprising coiled springs abutting against the bottom of the body and the inner side of the rumble member, and arcuate supports carried by the bottom of the body and retaining said spring means in working position and arranged to be socketed in said arcuate apertures of the rumble member when said member is in its lower position.

1,637,102. AUXILIARY COOLER FOR RADIATORS. ROBERT J. COALE, Los Angeles, Calif., assignor of one-half to Henry Kimber, Los Angeles, Calif. Filed Sept. 4, 1924. Serial No. 735,831. 4 Claims. (Cl. 123—174.)



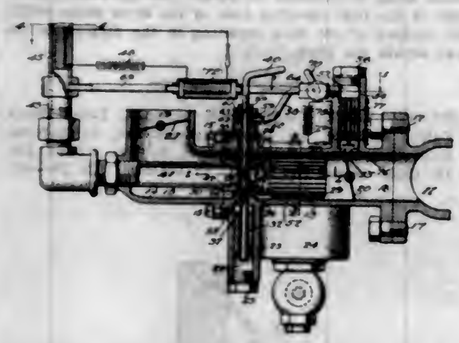
1. The combination with a radiator of an automobile, an auxiliary radiator, connecting pipes connecting the auxiliary radiator to the pipe connecting the water jacket to the automobile radiator of the automobile motor, and a valve disposed in the pipe connecting the water jacket to the automobile radiator between the points of connection of said connecting pipes, whereby water may pass directly from the water jacket into the automobile radiator or be caused to flow through the auxiliary radiator and then into the automobile radiator.

1,637,103. EGG BEATER. FRANK E. CORWIN, Toledo, Ohio. Filed Sept. 20, 1926. Serial No. 136,524. 3 Claims. (Cl. 259—72.)



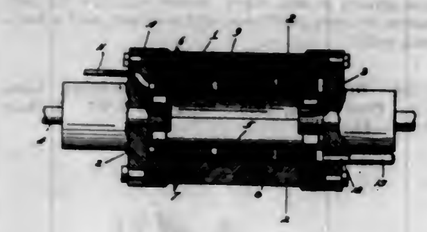
1. A vessel having a receiving section, an agitation section, and a classifier diaphragm therebetween, said agitation section including intermediate its extent a foraminous interceptor.

1,637,104. CARBURETOR. FRANCIS G. CRONE, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 25,255. 3 Claims. (Cl. 261—41.)



1. A carburetor comprising a tubular body, having a mixture outlet, a main air inlet, a bridge across the interior of said body and provided with an opening, and a fuel chamber arranged in line with said bridge, a choke tube arranged within the opening of said bridge, a fuel nozzle passing through said body, bridge and choke tube and having the inlet at its lower end arranged within said fuel chamber and provided within said choke tube with jet openings and an air supply tube communicating with said choke tube, said fuel nozzle having a screw connection with said choke tube.

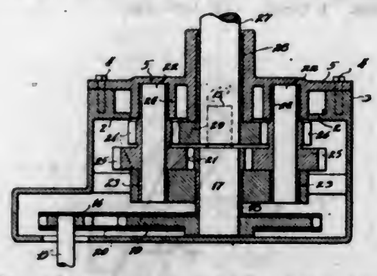
1,637,105. TURBINE. WALTER M. CROSS, Kansas City, Mo. Filed Aug. 20, 1924. Serial No. 733,082. 2 Claims. (Cl. 253—69.)



1. A steam turbine consisting of a divided casing, a rotor positioned therein, a second supplementary pressure-tight reenforcement shell surrounding the complete turbine assembly and fabricated as a single unitary shell having end enclosures, bearings in the end enclosure adapted to carry the rotor, inlet and exhaust ports in the reenforcement shell for supplying and exhausting the power medium.

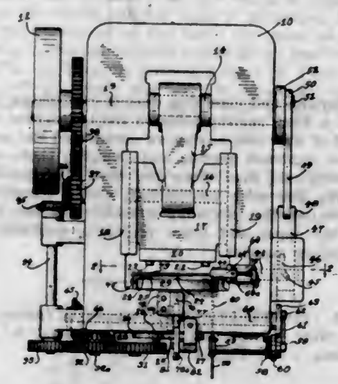
1,637,106. ELECTRIC LOW-SPEED UNIT. OTTO CULLMAN, Chicago, Ill. Filed Aug. 4, 1926. Serial No. 127,074. 4 Claims. (Cl. 74—7.)

1. A housing, a plurality of central shafts rotatably journaled in said housing, a plurality of additional shafts rotatably journaled in said housing, a sprocket wheel and a gear pinion rigidly mounted on one of said central shafts, gear wheels and gear pinions rigidly mounted on said additional shafts, said gear wheels arranged to mesh with said gear pinion, a gear wheel rigidly mounted on the remaining one of said central shafts and arranged to mesh with the gear pinions on said additional shafts, in combination with a motor shaft arranged to extend into said housing, a sprocket pinion rigidly mounted on said motor shaft, a sprocket chain arranged to connect said sprocket pinion and said sprocket wheel, and means



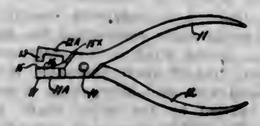
to adjust said sprocket pinion laterally and means to adjust it to a determined distance from said sprocket wheel.

1,637,107. RIVET-MAKING MACHINE. MARTIN DWYER and RICHARD J. BOYLE, Waterbury, Conn. Filed Mar. 18, 1926. Serial No. 95,594. 13 Claims. (Cl. 10—11.)



6. In a machine for heading and trimming rivets, a body member, a dial rotatably mounted in said body member, means for intermittently rotating said dial to carry a rivet successively into heading and trimming positions, a reciprocating member for heading and trimming said rivets, means for quenching said rivet between the heading and trimming operations, said dial having a plurality of inner dies for holding the rivets while being headed, quenched, and trimmed, said dial having a plurality of outer dies extending through said dial, means for delivering a strand of rivet wire through said outer dies, and a cam-operated reciprocating slide co-acting with said outer dies for shearing off rivet blanks from said rivet wire.

1,637,108. WATCHMAKER'S PLIERS. SIDNEY GRUBER, St. Paul, Minn. Filed July 19, 1926. Serial No. 123,343. 2 Claims. (Cl. 81—6.)



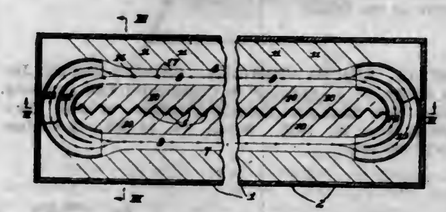
1. A plier of the class described comprising two pivotally connected members each comprising an integral handle and a jaw, one of said jaws formed with a wedge-shaped extremity directed toward the other jaw, the other jaw having a slitted portion to receive said wedge when the pliers are closed, an upright longitudinal flange on the outer part of the slitted jaw in spaced parallel relation to the slit, said flange having a transverse extension across the jaw to form a square corner for insertion of the end of a watch spring while the jaws are open, and means for selectively spreading or closing the slitted part of the lower jaw.

1,637,109. DIE FOR WIRE DRAWING, ETC. FRANK HONIG, Oak Park, Ill., assignor to Cyclo Corporation, Chicago, Ill., a Corporation of Illinois. Original application filed June 9, 1921, Serial No. 476,115. Divided and this application filed Oct. 16, 1924. Serial No. 743,968. 17 Claims. (Cl. 205—29.)



1. A die comprising a steel supporting body and a tungsten body containing a hardening agent press-cast onto and consolidated with the supporting body.

1,637,110. STORAGE BUILDING. HENRY HORNBOSTEL and WILLIAM J. STRASSBURGER, Pittsburgh, Pa. Filed June 13, 1925. Serial No. 36,768. 4 Claims. (Cl. 20—1.13.)



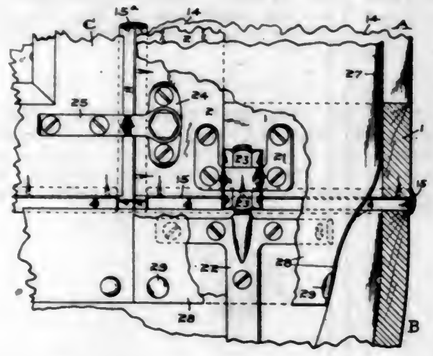
1. A multiple-story storage building for vehicles provided with a plurality of concentric interrupted spiral ways in spaced apart relation and relatively long intermediate levels connecting said ways to constitute runways for a single line of traffic between the cooperating terminals of said spiral ways, the run-ways connecting the opposite terminals of said spiral ways being in staggered relation, and having a zig-zag partition wall extending longitudinally of said building.

1,637,111. PROCESS OF MANUFACTURING DIES. FRANK HONIG, Oak Park, Ill., assignor to Cyclo Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 9, 1921. Serial No. 476,115. 23 Claims. (Cl. 76—107.)



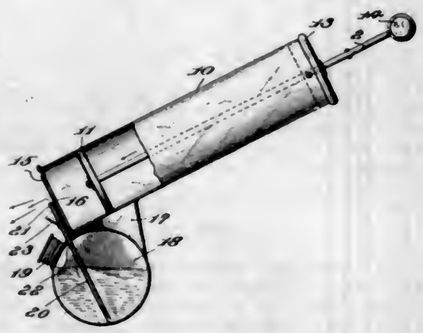
1. The process of making a die which comprises bringing a molten body comprising tungsten and a hardening agent into contact with a supporting body of steel and welding the two together and subjecting the tungsten body to pressure during the period of solidification.

1,637,112. AUTOMOBILE TOP. CHARLES C. HULL and MATTHEW R. HULL, Connersville, Ind. Filed Mar. 22, 1920. Serial No. 367,771. 16 Claims. (Cl. 296—103.)



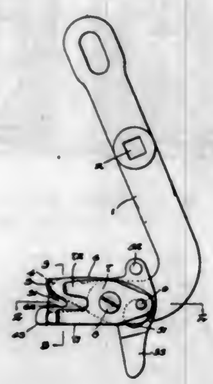
1. A new article of manufacture consisting of a demountable L shaped wooden frame made up of longitudinal and transverse roof struts and vertical side struts nbutting against said longitudinal struts and rigidly and permanently joined thereto, and T shaped metal reinforcements overlapping the joints between the roof and the side struts and cooperating therewith to resist distortion of the frame.

1,637,113. LIQUID ATOMIZER. CHARLES HURLEY, Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 24, 1925. Serial No. 71,133. 2 Claims. (Cl. 299—88.)



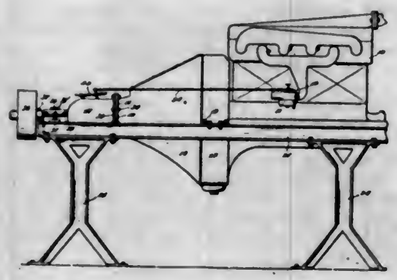
1. In an atomizer for liquids including a substantially closed container for the liquid to be atomized, a liquid delivery tube open at both ends and passing through the wall of said container and constituting the only opening of said container while in use, said tube extending substantially across the container to opposite sides thereof, and having a relatively small continuously open aperture through the wall at a point within the container and in close proximity to the point where said tube passes through the wall of said container, and means to create a liquid-delivering suction in said tube and to atomize the liquid delivered at the outer open end thereof.

1,637,114. WEFT-PARTER DEVICE FOR LOOMS. SIMEON S. JACKSON, Hyde Park, Mass., assignor to The Stafford Company, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1923. Serial No. 674,836. 1 Claim. (Cl. 139—264.)



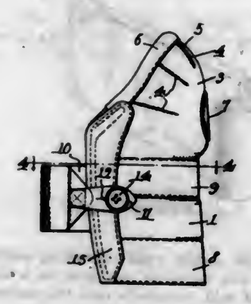
Weft-parting and clamping devices comprising, in combination, a fixed parting blade, a fixed clamping member composed of fiber and having an open-ended slot or notch, a movable combined parting and clamping blade or member between said fixed blade and fixed fiber member and cooperating therewith respectively, and a tension spring having rearwardly extending branches bearing laterally against the upper and lower projecting portions of the fiber clamping member.

1,637,115. POWER PLANT. WILLIAM L. JEFFREYS, Riverton, Nebr. Filed Aug. 21, 1925. Serial No. 51,719. 4 Claims. (Cl. 123—1.)



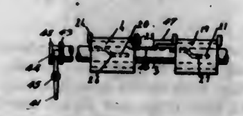
1. In a power plant, the combination of an engine having a drive shaft, a transmission housing enclosing said shaft, a throttle valve controlling the flow of fuel to the engine, a casing fixed to the rear end of said housing, a power take-off shaft journaled through said casing and engaged with said drive shaft, a power transmitting device carried by the latter shaft, a governor mounted within the casing upon said take-off shaft and operable by said shaft, and an operative connection between the governor and said valve for regulating the speed of the engine.

1,637,116. KNEE PAD. MILTON W. KELLEY, Austin, Tex. Filed Mar. 8, 1927. Serial No. 173,695. 3 Claims. (Cl. 2—24.)



1. A knee pad comprising a trough-shaped body folded upon itself and stitched together along a longitudinal line near its lower end to form a projecting knee-cap cup at the upper end of the body, the upper end of the body being folded upon itself and stitched together along a plurality of inwardly extended lines to form a rearwardly inclined upper wall for the knee cap cup; and means for securing the pad on the knee of the wearer.

1,637,117. MOTOR BRAKE. JOHANN KIRCHENSTEINER, Wetzikon, Switzerland. Filed Nov. 19, 1923, Serial No. 675,752, and in Germany May 29, 1923. 2 Claims. (Cl. 123—97.)



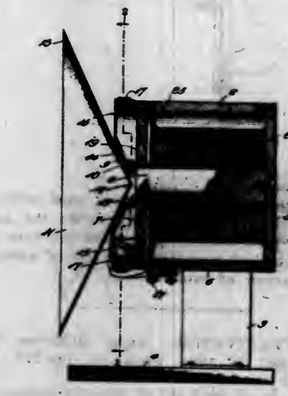
2. In an engine of the type in which the engine acts as an explosion engine and a motor brake, the combination of a plurality of cylinders, overhead valves, a shaft with grooves movable lengthwise, levers for operating the valves mounted on the shaft, eccentrics with pins, guided inside of the grooves of the shaft, the eccentrics mounted inside of the hubs of the levers for operating the exhaust valves, means for shifting the shaft lengthwise whereby the exhaust valves are kept open more or less for relieving the resistance of the compression of the motor brake, a cam shaft movable lengthwise, cams to actuate the inlet and outlet valves, while the engine is operating as a motor, auxiliary cams adapted to in turn actuate the exhaust valves to make said engine act as brake, as soon as the cam shaft is shifted lengthwise.

1,637,118. MOTOR-BRAKE FOR AUTOS. JOHANN KIRCHENSTEINER, Wetzikon, Switzerland. Original application filed Nov. 13, 1923, Serial No. 675,752, and in Germany May 29, 1923. Divided and this application filed Feb. 17, 1925. Serial No. 9,801. 1 Claim. (Cl. 123—97.)

The combination in an explosion engine, comprising an exhaust valve, a cam to actuate said valve while the engine is operating as a motor, auxiliary cams adapted to in turn actuate the exhaust valve to make said engine act as brake, plate with offsets catching the exhaust levers so that the exhaust valves cannot be closed if decreasing resistance is required, a wedge-shaped slide as rest for the plate for the purpose of regulating the resistance of one cylinder.



1,637,119. ELECTROMAGNETIC SOUND REPRODUCER. FREDERICK A. KOLSTER and SIGURD A. SOLLIE, Palo Alto, Calif., assignors to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Jan. 18, 1927. Serial No. 161,824. 6 Claims. (Cl. 179—115.)



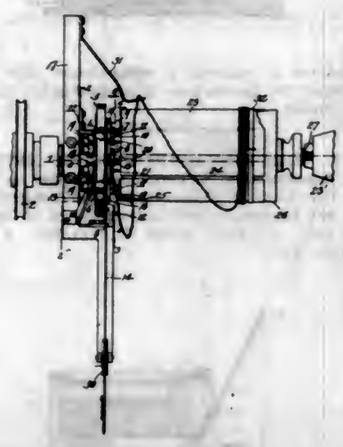
1. An electromagnetic sound reproducer comprising an electromagnetic driving mechanism including a field magnet and an armature winding arranged to cooperate with said field magnet, a conical shaped sound reproducing diaphragm, a frame member surrounding the apex portion of said conical shaped sound reproducing diaphragm, and an annular flexible membrane extending between said frame member and said conical shaped sound reproducing diaphragm in a position intermediate the apex and free peripheral edge thereof for suspending said conical shaped sound reproducing diaphragm.

1,637,120. HOLDER FOR FLATIRONS. ANNA J. LARSON, Naugatuck, Conn. Filed Feb. 23, 1927. Serial No. 170,145. 1 Claim. (Cl. 68—27.)



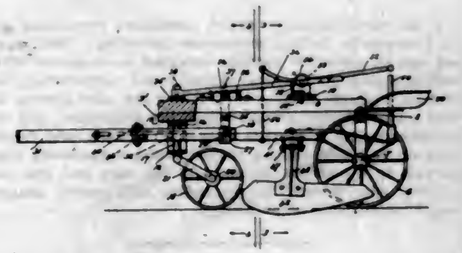
A holder for a flat iron handle comprising an elongated pad of soft flexible material, said pad being folded lengthwise in overlapping relation adjacent its longitudinal central axis and having its front and rear end edges each separately connected together to enclose the front and rear end portions of the handle and separable coacting fasteners for securing the longitudinal side edges of the pad.

1,637,121. COIL-WINDING METHOD AND APPARATUS. DIMMITT ROSS LOVEJOY, New York, N. Y., assignor to Lovejoy Development Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 25, 1925. Serial No. 58,570. 6 Claims. (Cl. 140—92.2.)



1. The method of winding helical wire coils, comprising, winding and crimping the wire in the form of a turn with an even number of sections per turn and then winding it in helical form, the perimeter of which is equal to an odd number of said sections.

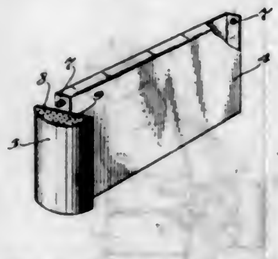
1,637,122. CULTIVATOR. AMBY MCENTEE, Westfield, Me. Filed Oct. 28, 1926. Serial No. 144,778. 5 Claims. (Cl. 97—237.)



1. In a cultivator, a wheeled frame, a loop-shaped braket secured to the front end portion of the frame, a vertical shaft mounted in the said bracket, a slidable bar mounted on the frame to the rear of the said bracket and having end portions which project below the frame, a draft pole pivotally connected with the said end portions and projecting freely through the loop-shaped bracket and engaging pivotally with the said vertical shaft, said draft pole being free to move vertically and longitudinally in the loop-shaped bracket, and two beams for supporting cultivator blades arranged one on each side of the draft pole and operatively connected with it.

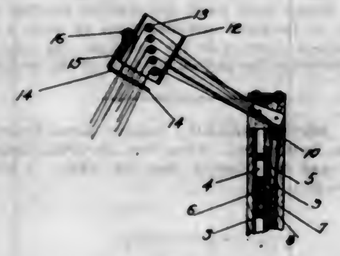
1,637,123. HUMIDIFIER. JOHN L. MCKAY, Minneapolis, Minn. Filed May 22, 1926. Serial No. 111,076. 1 Claim. (Cl. 237—78.)

A humidifier comprising a thin, deep water receptacle having at its top a vent, and a wide water supply tank secured to one end of said receptacle and having a filling opening and a conduit connecting said receptacle and tank at the bottoms thereof, said receptacle being adapted to be inserted into a radiator between the columns of



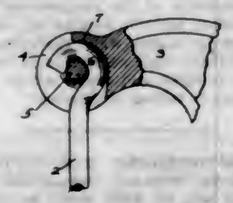
its coils with the supply tank extending across one end of the radiator and engaging the same as a stop to limit the movement of said receptacle into the radiator.

1,637,124. AMUSEMENT DEVICE. LEON J. MORIN, Taunton, Mass. Filed Feb. 10, 1927. Serial No 167,309. 2 Claims. (Cl. 273—138.)



1. A game comprising a frame having a plurality of runways therein, indicia-bearing blocks slidably disposed within said runways, said blocks having strangs attached thereto and leading therefrom, and means associated with said frame for commingling said strands, said indicia-bearing blocks being resiliently connected to said frame.

1,637,125. ROD CONNECTION FOR PUMP HANDLES AND THE LIKE. HARRY B. NELSON, Saginaw, Mich., assignor to Nelson Brothers Co., Saginaw, Mich., a Corporation of Michigan. Filed Mar. 27, 1928. Serial No. 628,013. 1 Claim. (Cl. 287—103.)



In a joint for the handles and plunger rods of pumps, a bifurcated head on said pump handle, said head having side walls spaced apart, a pintle cast integral with the walls of said head and spanning the space therebetween, an interiorly curved shoulder member connecting the upper parts of said walls and spanning part of said space

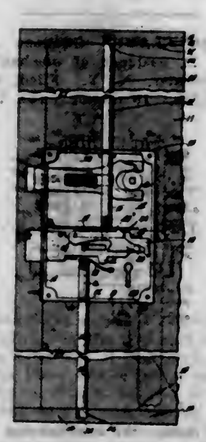
to a point directly above said pintle, a pump rod and a U-shaped hook on said rod partly surrounding said pintle, and abutting against and actuated by the curved under side of said shoulder member when the handle is in use.

1,637,126. HAT BANDEAU. JENNIE M. NELSON, St. Paul, Minn. Filed May 27, 1925. Serial No. 33,143. 1 Claim. (Cl. 2—185.)



A hat bandeau comprising a substantially quadrangular shaped section of netting material having a head contacting surface which is convex between its upper and lower edges and concave between its opposite side edges, and in which the upper portion is spaced from the hat when the lower edge portion is attached to the hat.

1,637,127. THREE-WAY DOOR LOCK. STANLEY L. ORNOSKI, Throop, Pa. Filed Mar. 19, 1926. Serial No. 95,963. 1 Claim. (Cl. 70—29.)



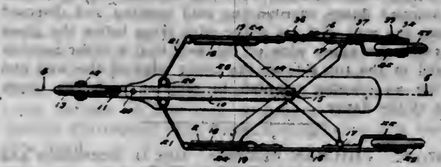
In a three-way door lock, the combination with a keeper plate for fixed attachment to the jamb of a door opening, of a lock casing for mortised attachment to the edge of the door, a key operable bolt operatively mounted in the casing and adapted to engage with the keeper plate, vertical bolts mounted in the lock casing with very remote extremities positioned to penetrate into the upper and lower jambs of said door opening, yieldable means to which the adjacent ends of said vertical bolts are connected to retain the remote ends thereof from penetration into said upper and lower jambs, and gravity lever pivoted in said casing and having a heel in the path of the wing carried by the key for the purpose of actuating the lever, said lever having a lateral lug overlying the key operated bolt and provided with means engaging under the yieldable means of one of the vertical bolts for actuating it when the lever is tilted, the key operated bolt having means to ride under the lateral lug when the lever is tileted, and means on the lower edge of the key operated bolt for operating against the yieldable means of the other vertical bolt for actuating the latter into the lower jamb.

1,637,128. NAIL PACKAGE. WILLIAM B. PALMER, Highwood, Ill. Filed July 29, 1926. Serial No 125,784. 2 Claims. (Cl. 206—46.)



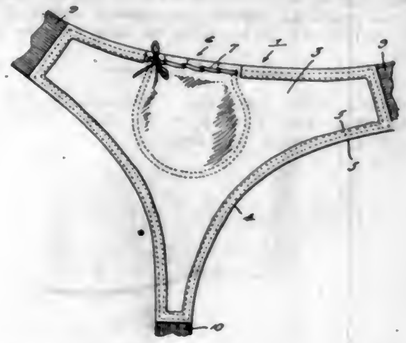
1. A package of nails to be held in the mouth, comprising a number of nails grouped in compact form, and free from any interspacing and separating means, and a contractible binder confining and maintaining the nails in frictional contact as the package dwindles by withdrawal of the nails therefrom.

1,637,129. WHEELED TOY. GEORGE E. PRITCHETT, Butte, Mont., assignor of one-fifth to Joseph A. Sampson, Butte, Mont. Filed Mar. 8, 1926. Serial No. 93,289. 3 Claims. (Cl. 280—87.5.)



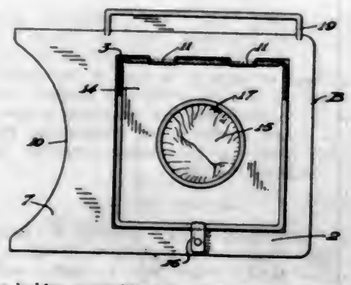
3. A wheeled toy including a frame, a steering wheel mounted on one end of the frame, a platform mounted on the frame, bars disposed at the sides of the platform, a link pivotally connected to an end of a bar and pivotally connected to the frame, ground wheels on the other ends of the bars, and crossed levers pivotally connected to the frame and each having an end pivotally connected to a side bar and the other end slidably engaged with the opposite side bar.

1,637,130. TRUSS. WILLIAM D. RAY, La Fayette, Ga. Filed May 11, 1926. Serial No. 108,324. 2 Claims. (Cl. 128—96.)



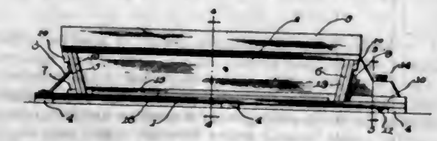
1. As a new article of manufacture, an appliance of the class described comprising a pliable body including an adjustable pad in the form of a pocket adapted to receive a quantity of absorbent material, said body being of a configuration to form a plurality of radiating extensions, to the top ones of which the ends of a body encircling belt may be connected, and to the lower one of which, a leg strap may be connected.

1,637,131. BAG HOLDER. JOHN RIGBY, New Bedford, Mass. Filed Apr. 7, 1927. Serial No. 181,756. 1 Claim. (Cl. 83—26.)



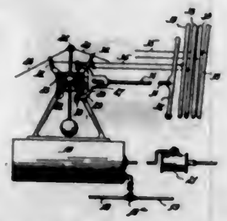
A bag holder comprising a casing open at its front and having the intermediate portion of its top side depressed forming a well, the top side being provided with an opening which communicates with the interior of the casing, an annular flange surrounding said opening and disposed within the well with its upper edge lying below the plane in which the upper edge of the well lies, a cover member hinged to the top side at the upper edge of the well and having an opening adapted to register with the upper edge of the flange.

1,637,132. CHICKEN FEEDER. REX O. SCHROEDER and GUST FORSLUND, Yankton, S. Dak. Filed June 29, 1926. Serial No. 119,401. 9 Claims. (Cl. 119—53.)



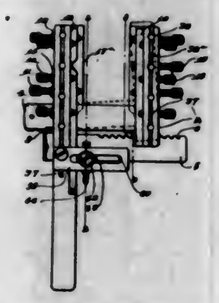
1. A feeder comprising end walls converging downwardly, one being adjusted towards and away from the other, side walls between said end walls and having their ends parallel thereto, and means to releasably secure the movable end wall stationary with the side walls wedged between the end walls and thereby held in a set position with their lower ends in predetermined spaced relation to each other.

1,637,133. SAFETY DEVICE FOR VEHICLES. WILLIAM W. TEW, Brundidge, Ala. Filed June 7, 1926. Serial No. 114,242. 1 Claim. (Cl. 244—25.)



Safety devices for vehicles operating automatically when the vehicle assumes an inclination beyond a predetermined angle, comprising a set of motor-driven propellers and valves for supplying fluid pressure to the motors, the propellers being mounted on the vehicle and arranged thereon to bring the vehicle to a balanced position on operation of said propellers, a weighted pendulum fulcrumed intermediate its ends in a supporting frame, wires connecting the upper end of the weighted pendulum to the aforesaid valves for operating the latter, a sliding yoke-frame having shoes engaging the pendulum above and below the fulcrum, and auxiliary wire connections to levers for operating the valves independent of the pendulum.

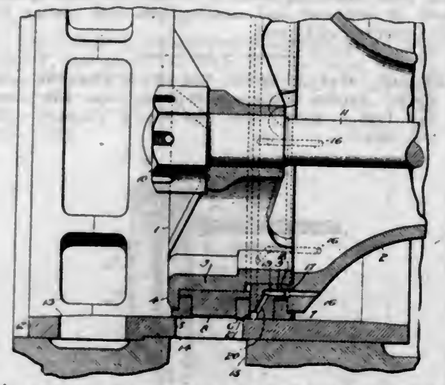
1,637,134. WORK CLAMP. CHARLES A. VIDINGHOFF, Rochester, N. Y., assignor of one-half to Arthur R. Patterson, Rochester, N. Y. Filed June 20, 1923. Serial No. 646,628. 16 Claims. (Cl. 77—62.)



1. In a work clamp, the combination with a pair of clamping jaws, means adjustably connecting said jaws, and a tie piece for the ends of said jaws, of means for adjustably connecting said tie piece to the jaws embodying screws passing through the tie piece and into the jaw ends, the tie piece being provided with a longitudinally extending slot through which one of the screws passes, and an adjustng screw carried by the tie piece and engaging the screw in the slot.

1,637,135. VALVE MECHANISM. WILLIAM B. WHITSITT, Baltimore, Md. Filed Dec. 4, 1924. Serial No 753,871. 2 Claims. (Cl. 121—142.)

1. In a valve construction for steam engines, the combination with a valve chamber, of a piston valve therein, a plurality of main ports connecting said valve chamber to the adjacent cylinder, said piston valve being adapted to control admission and exhaust of steam to and from said main ports, said piston valve comprising a spool member, follower members, and ring members interposed between the spool and each of said followers, said spool



and adjacent ring members being perforated to provide for the admission of supplemental steam to one of said main ports when the same is closed by said piston valve.

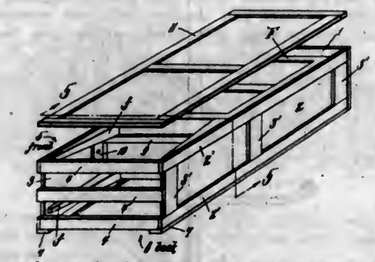
1,637,136. FENCE. ARTHUR H. BALL, Buffalo, N. Y. Substitute and continuation of application Serial No. 412,425, filed Sept. 24, 1920. This application filed Aug. 30, 1926. Serial No. 132,648. 4 Claims. (Cl. 256—52.)



1. A fence comprising a post, a support having a neck projecting laterally from the post and an enlarged head arranged at the outer end of said neck, and a clamping plate between the inner side of which and the outer side of the post a fence wire is adapted to be clamped and which is provided with a slot having a narrow longitudinal portion adapted to receive said neck, and a wide part at one end of said longitudinal portion and adapted to be traversed by said head and said plate being provided on opposite sides of the longitudinal portions of said slot with inclined faces which are adapted to engage with the inner side of said head and produce a wedging effect for pressing the fence wire against said post.

1,637,137. METHOD OF PACKAGING ARTICLES OF FURNITURE AND THE LIKE AND PACK OR SHELL INCASEMENT THEREFOR. RALPH M. BUCK, Richford, Vt., assignor to Atlas Plywood Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 16, 1924. Serial No. 732,459. 6 Claims. (Cl. 217—52.)

1. A shipping pack for an article having a plurality of finished faces and at least one unfinished face, comprising a shell enclosing corresponding finished faces of the article and open from front to rear, means carried by and adjacent the open back of said shell and attached to and supporting the article within the shell with its unfinished face disposed towards the open rear of the



shell, and constituting a partial rear closure of said shell, and a front closure adapted to be removably fastened over the open front of said shell.

1,637,138. METHOD OF PRODUCING A POLISHED SURFACE ON GRANITE BLOCKS. ELROY ALBERT CHASE, Northfield, Vt. Filed May 24, 1922. Serial No. 563,414. 7 Claims. (Cl. 51—278.)

1. The method of producing a polished surface on granite blocks which consists in providing each granite block with an approximately plane regular surface coextensive with one face thereof, in subjecting said single granite block as a complete unit separately and successively to a coarse grinding operation, and a fining-up operation over said entire surface, said coarse grinding operation being carried out in a machine especially adapted for coarse grinding and said fining-up operation being carried out in a different machine especially adapted for fining-up, said granite block being moved from the first machine to the second machine after the coarse grinding operation thereon, and each granite block being individually and firmly supported as a separate unit in each machine and throughout each operation thereon, and the edges of said block being at all times free from embedding material.

1,637,139. PROCESS OF MAKING YARN AND THE LIKE. HENRY B. CLOW and HARRY L. CLOW, Lakeport, N. H. Filed Apr. 16, 1926. Serial No. 102,570. 8 Claims. (Cl. 19—105.)

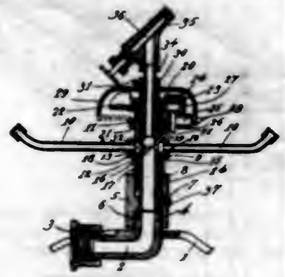


1. The process of making yarn, or the like, which comprises providing a plurality of slivers each of a different color, laying said plurality of slivers together in parallel relation to form a lap of slivers having a repeated longitudinal color pattern, carding said lap to form fleece that is definitely striped transversely in the color pattern of said lap, forming rovings from longitudinal slittings of said fleece, and spinning said rovings into yarn.

1,637,140. LAWN SPRINKLER. WALTER H. COLES, Troy, Ohio, assignor to The Skinner Irrigation Company, Troy, Ohio, a Corporation of Ohio. Filed July 16, 1923. Serial No. 651,806. 2 Claims. (Cl. 299—70.)

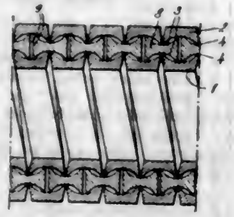
1. In a lawn sprinkler, an axial tube capable of conveying water, rotatable sprayer members journaled on said tube and receiving water therefrom, the sprayer members being rotated by means of water pressure so conveyed, an adjustable sleeve member on said axial tube, a spring member under tension actuated by said sleeve member, a movable bearing member receiving resistance

energy from the tension of said spring, a hub member on said tube and carrying the sprayers and having a bearing surface in contact with said movable bearing member, a fixed bearing member in contact with an opposite bearing surface on said hub member, said hub member being rotatable between said fixed and movable bearing



members, tension between all these bearing surfaces being adjustable by means of said sleeve member to prevent leakage of water between these members under varying pressure and also to regulate the speed of rotation of said sprayer members under varying water pressure, for the purpose described.

1,637,141. FLEXIBLE TUBING. HERBERT COOPER, Brooklyn, N. Y. Filed Aug. 9, 1922. Serial No. 580,626. 5 Claims. (Cl. 137—75.)



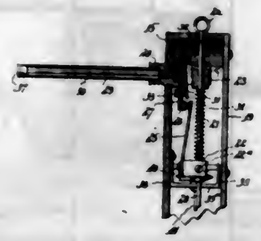
1. Flexible tubing composed o a plurality of coils provided in their opposed faces with channels of arcuate cross section having edges of tapering cross section, said coils being so related that the edges of the channel of each turn of each coil lie in contact with the edges of the channel of contiguous turns of the same coil and also in contact with the central portion of the channel of two adjacent turns of an adjoining coil.

1,637,142. GEARING. CHARLES M. EBERLING, Cleveland, Ohio, assignor to The Eberling Machines Sales Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 2, 1926. Serial No. 91,724. 1 Claim. (Cl. 74—41.)



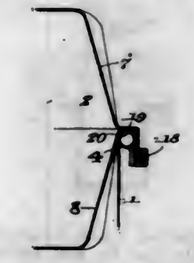
A gear for the purpose described consisting of a one-piece metal casting comprising a relatively thin circular web having its peripheral edge symmetrically beveled from opposite sides thereof, radially extending teeth of greater width than said web arranged in spaced relation around the edge of said web with the connected ends of said teeth extending inwardly beyond the limit of said bevel of said edge and merging into said casting for strengthening said teeth.

1,637,143. GAS-BURNER VALVE-OPERATING DEVICE. ALFRED J. FRASER, El Paso, Tex. Filed Jan. 21, 1926. Serial No. 82,828. 4 Claims. (Cl. 126—351.)



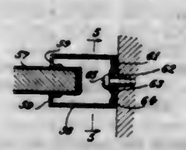
1. Valve operating mechanism for the gas burner of a water-heater comprising a reciprocating valve operating rod having a lug thereon, a spring actuating the rod to close the valve, a lever for operating the rod against the action of the spring to open the valve, and means for operating said lever; together with a catch carried by the lug on the valve-rod and engaging a fixed member for holding the valve open, a spring-finger engaging the catch for releasing the same, and a thermostat operating the spring-finger.

1,637,144. ALUMINUM DINNER PAIL. JOHN C. FRITZGES, Parsons, Pa. Filed Dec. 15, 1926. Serial No. 154,931. 7 Claims. (Cl. 220—23.)



1. In a sheet metal dinner pail, the combination with a body, of a combined top and receptacle comprising sections having an outstanding seamed joint overlying and embracing the edge of the body.

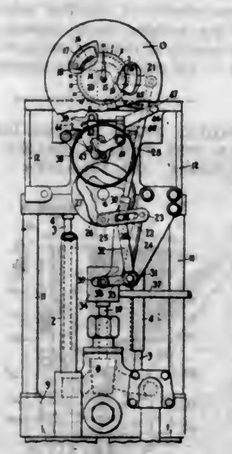
1,637,145. TOILET INCLOSURE. MAXWELL S. HART and LOGAN E. PAGE, New Britain, Conn., assignors to The Hart & Hutchinson Company, a Corporation of Connecticut. Original application filed Nov. 11, 1925. Serial No. 68,328. Divided and this application filed Apr. 20, 1926. Serial No. 103,360. 5 Claims. (Cl. 189—34.)



1. In a partition construction, a panel member, a hollow wall post adapted to fit against the wall of a room, said wall post having a flat base to be secured in

contact with said wall, said base having a pair of slots, and a pair of rotary locking clips secured to said wall and adapted to be rotated in said slots to lock said post to said wall.

1,637,146. LIQUID-DISPENSING APPARATUS. WILLIAM T. HATMAKER and EARL E. EICKMEYER, Dayton, Ohio, assignors to The National Recording Pump Company, Dayton, Ohio, a Corporation of Ohio. Filed June 21, 1924. Serial No. 721,484. 22 Claims. (Cl. 221—103.)



7. In a dispensing apparatus the combination with a pumping mechanism, a register associated therewith, and an actuating device for said register, of means for connecting said actuating device with said pumping mechanism comprising a part movable into a position to render said connecting means inoperative, and means for actuating said part.

1,637,147. TUBE FOR PERMANENT WAVING. WILBUR S. LEWIS, Cleveland, Ohio, assignor to The Le Mur Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 6, 1925. Serial No. 48,590. 13 Claims. (Cl. 132—36.2.)



1. A container, for enclosing a strand of hair during the application of heat in a permanent waving process, comprising a sheet of paper, a sheet of metal foil, said sheets being secured together in tubular form, and heat insulating means for enclosing the edge of one end of said metal foil.

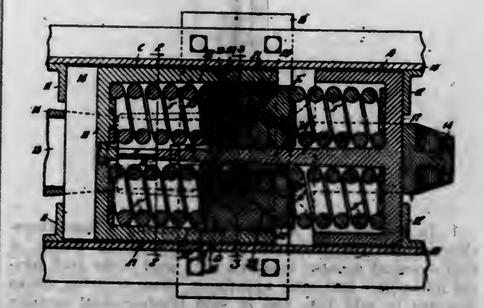
1,637,148. RESILIENT SHACKLE. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Sept. 12, 1923, Serial No. 662,214. Renewed Jan. 12, 1927. 8 Claims. (Cl. 213—208.)

1. In a resilient shackle of the character described, the combination with yoke means adapted to be connected with one vehicle to transfer the pulling and buffing strains thereto, said yoke means being adapted to abut said vehicle at a place other than at its point of connection thereto; of another yoke means adapted to be connected to an adjacent vehicle to transmit pulling and buffing strains thereto; cushioning means operatively interposed between said two yoke means; and connecting elements for effecting connection of said shackle to said vehicles, each of said elements extending through both of



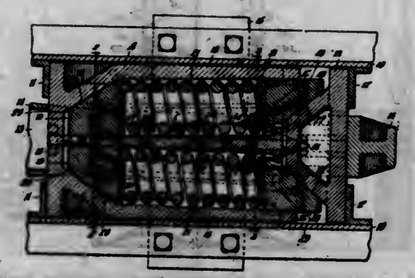
said yoke means, said yoke means being movable relatively to said connecting elements to compress said cushioning means in buff and draft.

1,637,149. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 21, 1925. Serial No. 51,602. 6 Claims. (Cl. 213—31.)



1. In a friction shock absorbing mechanism, the combination with a pair of relatively movable shells, one of said shells having interior curved friction surfaces and the other having a fixed friction element thereon disposed centrally of the mechanism; of a set of friction elements co-acting with said interior friction surfaces; a second set of friction elements co-acting with said central element, said sets of friction elements having co-acting wedge faces; and a spring resistance element co-operating with each set of friction elements.

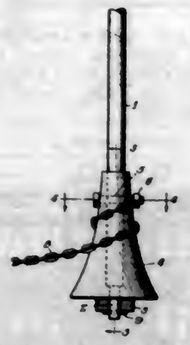
1,637,150. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 12, 1925. Serial No. 55,917. 12 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with front and rear relatively movable follower acting elements, one of said elements having exterior

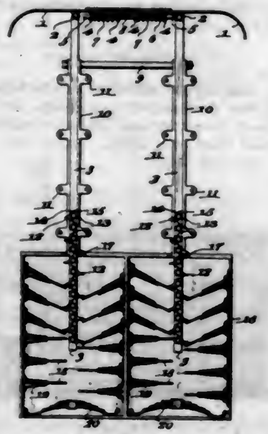
wedge faces thereon and the other element being provided with interior wedge faces; of a friction shell adapted to move with one of said follower elements; a friction post relatively to which said last named follower element is movable; friction shoes having wedge faces, certain of said shoes having frictional engagement with said post and having the wedge faces thereof co-operating with the wedge faces of one of said follower elements, the remaining friction shoes having frictional engagement with the shell and having the wedge faces thereof co-operating with the wedge faces of the other follower element; and means for yieldingly resisting movement of the friction shoes.

1,637,151. BRAKE-CHAIN-OPERATING MEANS. MARTIN L. HOWELL, Freedom, Pa. Filed Jan. 16, 1926. Serial No. 81,669. 5 Claims. (Cl. 254—149.)



1. In combination, a brake staff having a hole therethrough for the insertion of chain securing means, a frusto-conical member mounted upon said brake staff having its smaller extremity uppermost, chain securing means disposed in said hole and in said frusto-conical member to cause said brake staff and frusto-conical member to turn as a unit, and a chain secured to said chain securing means.

1,637,152. AUTOMOBILE BUMPER. JOHN ADAM KEHARR, Rockport, Ind. Filed Dec. 14, 1926. Serial No. 154,676. 4 Claims. (Cl. 293—55.)



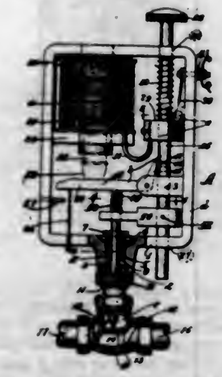
1. A slidably mounted bumper for automobiles, provided with spring actuated wings or plates arranged to progressively resist the movement of the bumper to compensate for the blow or impact.

1,637,153. MEDICAMENT CARRIER. JAMES A. LAWTON, Middletown, Conn. Filed Oct. 23, 1926. Serial No. 143,685. 6 Claims. (Cl. 132—84.)



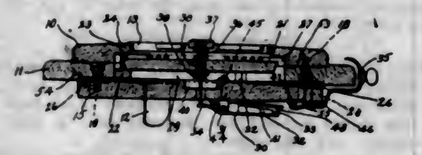
1. As an article of manufacture, a dental cleaner which comprises a carrier adapted to be drawn into the interproximal spaces between the teeth and having a pocket carrying a medicament or cleaning material, a wall of the pocket being adapted to be broken by pressure so that the medicament or cleaning material will be carried by the carrier to the surfaces to be cleaned.

1,637,154. VALVE. FRANK R. MARK, Los Angeles, Calif. Filed June 8, 1923, Serial No. 644,251. Renewed June 6, 1927. 5 Claims. (Cl. 137—139.)



3. A device of the character disclosed, including a latch stem, a valve stem adapted to open and close a valve, a pivoted latch member adapted to cooperate with the latch stem to maintain the same in a given position, a rigid connection between the latch stem and the valve stem, and a resilient connection between such latch arm and such rigid connection aforesaid; there being a no voltage release solenoid above such latch arm, such solenoid being provided with a drop core, said solenoid being in a normally closed electrical circuit when the valve stem is unseated, an opening of such electrical circuit dropping the solenoid core to strike the latch arm, releasing the latch stem and seating the valve stem.

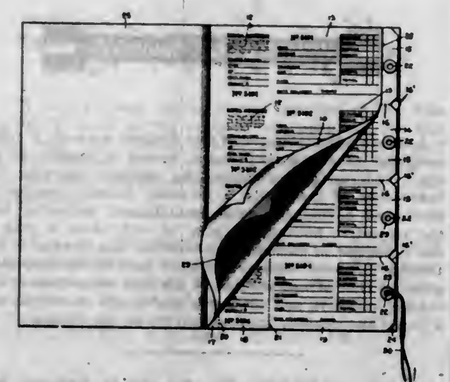
1,637,155. ELECTRIC STOVE. JOHN E. MARSDEN, Philadelphia, Pa. Filed Jan. 14, 1926. Serial No. 81,178. 4 Claims. (Cl. 219—37.)



1. An electric stove comprising a body having a plurality of coaxial rings of refractory material, one of the rings being below the other and supporting the same, there being a space disposed centrally of said rings, legs supporting the lower ring, a plate of refractory material positioned below the lower ring and co-operating therewith to form a plurality of air ducts therebetween and

leading to said central space, an electrical heating coil in the space aforesaid, a switch for said coil positioned below the refractory plate and supported thereby, said switch comprising a member movable vertically under actuation of an article placed upon the upper ring to be heated by the heating coil, and a metallic guard cooperating with the upper ring to support said article and prevent damage to the upper ring, said guard permitting heat to pass from the heating coil to the article, the vertically movable member projecting above the plane of the guard.

1,637,156. MANIFOLD RECORD BOOK. AARON J. MIRSKI, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,057. 1 Claim. (Cl. 282—23.)



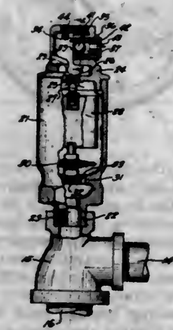
A bound book comprising a group of pages made up of a sheet divided by a plurality of weakened lines of fold into units comprising a binding strip, an owner's receipt check and an identifying tag having a reinforced eyelet and a superimposed duplicate sheet for permanent binding therewith in the form of a book, said duplicate sheet being of a shorter width than said first mentioned sheet, to permit said eyelets to nest beyond the edge thereof.

1,637,157. BATHING SUIT. WILLIAM OSBORNE, Jr., Philadelphia, Pa. Filed Sept. 12, 1924. Serial No. 737,258. 1 Claim. (Cl. 2—67.)



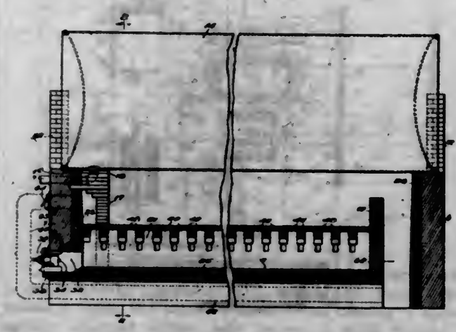
In a one-piece bathing garment, an upper body portion provided with a trunk portion, a central gusset of the same length at the front and rear of the garment for the crotch portion thereof and extended to the garment waist-line at front and back at which waist-line portion the gusset is both fore and aft of a width smaller than at its place of juncture with the crotch part of the trunk portion, the inner edges of the trunk legs and the edges of the said gusset converging upwardly with the outer edges of the trunk legs also converging upwardly, the said gusset being arranged to yield or stretch in a vertical direction in contradistinction to the lateral yield or stretch of the trunk legs, said gusset being secured at its edges throughout its entire length front and back to the contiguous trunk legs to form a garment permanently closed at its front and rear.

1,637,158. VENT VALVE. LEWIS F. OSTRANDER, Milwaukee, Wis. Filed May 22, 1926. Serial No. 111,044. 10 Claims. (Cl. 236—62.)



1. In a venting device of the character described including a casing having an outlet opening and valve mechanism for opening and closing said opening, an auxiliary air exhaust chamber communicating with the interior of said casing by way of the outlet opening thereof, a ball valve associated with said chamber and opening upon a predetermined rise in the pressure therein to provide a communication between the same and the atmosphere, and guiding means for said ball valve, said means being inclined upwardly in the direction of the opening movement of said ball valve a relatively slight amount with respect to the horizontal.

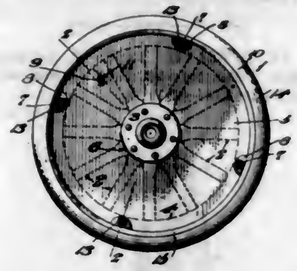
1,637,159. FURNACE. IVON S. PIETERS, Chicago, Ill., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 9, 1925. Serial No. 67,844. 7 Claims. (Cl. 196—116.)



1. In combination, a furnace setting having an internal chamber, a still shell exposed to said chamber, and a pair of fire boxes disposed within said chamber and

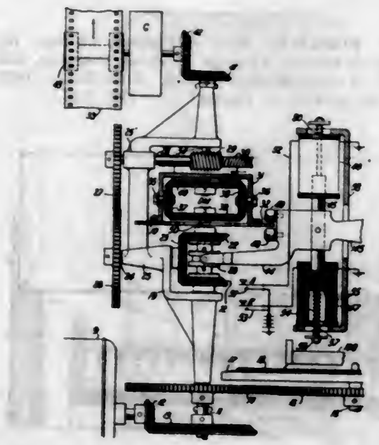
having side walls provided with openings into the furnace chamber therethrough for directing the flames from said fire boxes against each other and into said internal chamber without direct impingement upon the still shell.

1,637,160. WHEEL CONSTRUCTION FOR MOTOR VEHICLES. WILLIAM H. RAPEPORT, Philadelphia, Pa. Filed Aug. 22, 1925. Serial No. 51,762. 1 Claim. (Cl. 301—37.)



In a device of the character stated, a motor vehicle wheel, including a hub, apertured felly and spokes, a rim carrying a tire fitted to said felly, a thin, flat, rectilinear disc having an unbroken, outer periphery fitting within said rim, and circumferentially apertured to register with said felly apertures and centrally apertured for insertion over said hub, annular concentric stiffening ribs formed upon said disc and arranged concentric with said central aperture, bolts passing through said felly and disc for clamping said disc against the outer wall of said felly in perpendicular alignment with said spokes, lugs on the outer ends of said bolts for holding said disk and rim on said felly, and nuts on said bolts, said disc being clamped between said lugs and felly, and being disconnected from said hub.

1,637,161. SYNCHRONIZING MECHANISM. CHARLES D. RICHARD, West New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1924. Serial No. 758,788. 8 Claims. (Cl. 74—7.)



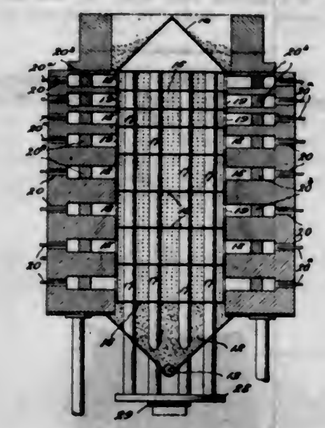
1. In a reproducing machine, a sound record, a picture record adapted to be moved in synchronism therewith, a gear mechanism therefor, including a normally ineffective driving member, a pair of electromagnets successively operable for moving said member in positions for imparting movement to said mechanism in opposite directions, a pair of keys for controlling the energization of said magnets, circuits each including one of said magnets and one of said keys, and means for automatically returning the driving member in position ineffective with respect to the gear mechanisms for controlling the extent of the synchronizing movement of said picture record.

1,637,162. ROLLER SUSPENSION FOR SHADE AND DRAPERY SUPPORTS. LULA H. ROBINSON, Dallas, Tex. Filed Dec. 26, 1925. Serial No. 77,705. 2 Claims. (Cl. 156—27.)



1. In an adjustable shade and drapery support, a roller composed of alined shells each having a housing at its outer end, a tubular connecting member receiving the inner ends of the shells, a rotatable tubular member in each shell having the outer ends thereof extending into the respective housings, a plug in each shell, a plug in the outer end of each tubular member, coil springs in the tubular members connected at their ends to the respective plugs, flexible straps secured to the said outer ends of the tubular members and at points within the housings, and a shade and drapery support carried by the straps.

1,637,163. ORE FURNACE. FRANCIS M. SIMONDS, New York, N. Y., assignor of one-half to A. Fillmore Hyde, New York, N. Y. Filed Feb. 19, 1925. Serial No. 10,164. 1 Claim. (Cl. 263—29.)



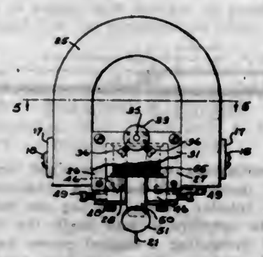
1. In an ore treating furnace, a number of separate distributing chambers arranged in a vertical series and having perforated peripheral walls, means for supplying different qualities of gas to the various distributing chambers, a second perforated ore confining wall surrounding the distributing chambers to form a space for descending ore, and means for conveying gases away from said second wall.

1,637,164. SCORED VENEER AND METHOD AND MEANS OF MAKING SAME. GEORGE W. TALBOT, Bloomington, Ind. Filed May 22, 1925. Serial No. 32,220. 4 Claims. (Cl. 144—309.)



1. A scored veneer having cutout channels on one side and cutout beads on the other of corresponding size and shape, said veneer having straight unscored and unbeaded portions between said channel-beads of suitable areas to form container members when the veneer is bent at the channel-beads.

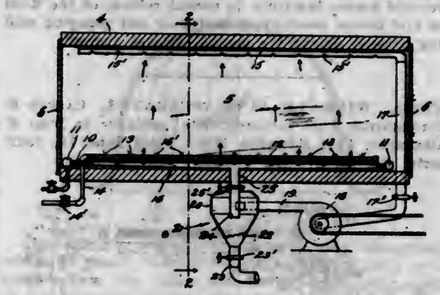
1,637,165. ELECTRICAL PICK-UP DEVICE FOR PHONOGRAPH RECORDS. LINCOLN THOMPSON, Naugatuck, and JOSEPH B. MARSHALL, Westport, Conn., assignors to The Bristol Company, Waterbury, Conn., a Corporation of Connecticut. Filed Apr. 13, 1927. Serial No. 183,377. 5 Claims. (Cl. 179—100.1.)



1. An electrical transmitter for phonographs, comprising: a magnetized metal frame having an interruption at one end, and a pair of separated pole pieces at the opposite end; a transmitting coil of wire carried by the magnetized frame; a reed member torsionally secured at the interrupted portion and extending outwardly through the coil and the air gap between the pole pieces and adapted to be attracted thereby but maintained normally substantially equidistant therefrom by its torsion support, said reed terminating at its outer end in a socket for retaining a stylus whereby said reed may be vibrated as a whole between the said poles when the stylus is engaged by the grooves of a phonographic record.

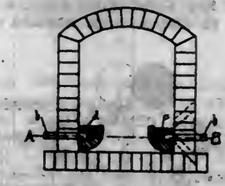
1,637,166. DRY KILN. CARL G. ULLIN, Centralia, Wash. Filed Aug. 18, 1926. Serial No. 129,931. 2 Claims. (Cl. 34—46.)

1. In a dry kiln, the combination of air inlet and outlet conduits provided in spaced apart relation within the kiln chamber, pipe connections between the conduits, a blower to effect the circulation of air between said conduits within the chamber and said pipe connections, means to moisten the air within the chamber, a separator associated with said pipe connections for removing moisture from the air passing through the pipe connections, said separator having an exhaust opening into the



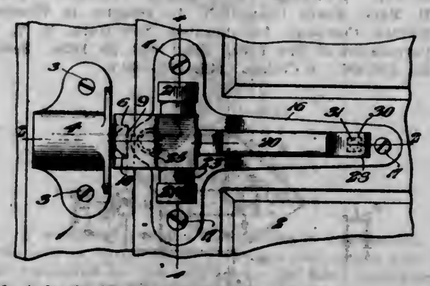
atmosphere exteriorly of the kiln, and valves for regulating the passage of air through said pipe connections and into the external atmosphere, selectively.

1,637,167. ELECTRICAL HEATING BODY FOR HIGH TEMPERATURES ESPECIALLY FOR CERAMIC METALLURGICAL PROCESSES AND CHEMICAL PROCESSES. FERDINAND WECKERLE, Munich, Germany, assignor to Studiengesellschaft für Wirtschaft u. Industrie m. b. H., Munich, Germany. Filed Aug. 24, 1925, Serial No. 52,198, and in Germany Aug. 28, 1924. 1 Claim. (Cl. 204—64.)



In an electric furnace, an open gutter for receiving a heating body of silicate adapted to be reduced by heat to a liquid conductor, and taps communicating with said gutter and extending into said liquid body to permit of the volume thereof being changed at will to vary its resistance.

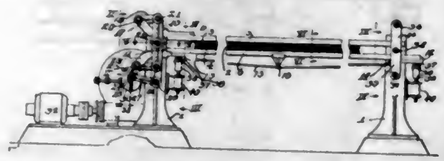
1,637,168. DOOR FASTENER. GUNTHER PHILIP WILD, Philadelphia, Pa. Filed Apr. 9, 1925. Serial No. 21,780. 5 Claims. (Cl. 292—254.)



1. A latch device of the character stated comprising a keeper having opposed bevelled edges, said keeper being mounted upon the jamb of a door and having a spiral spring arranged within said keeper, a plate having a fixed detent carried by a door and normally adapted to abut against the inner bevelled face of said keeper, a spring pressed detent mounted upon a vertical axis of

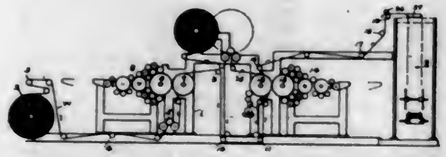
said plate and adapted to swing in a horizontal manner and normally abutting against the opposite face of said keeper whereby outward movement of said detent will move said keeper inwardly to permit release of the fixed plate and means penetrating said door and engaging said spring pressed detent for manual release thereof.

1,637,169. WIRE-CLEANING APPARATUS. CASPER E. YOUNGCHILD, Port Edwards, Wis., assignor to John E. Alexander, Port Edwards, Wis. Filed June 13, 1925. Serial No. 36,857. 12 Claims. (Cl. 92—50.)



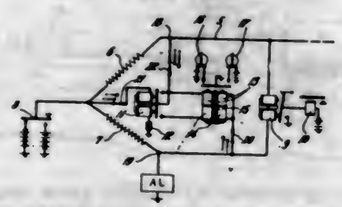
12. The combination with the wire of a Fourdrinier paper machine, of a brush mechanism extending transversely of said wire and adapted to contact both faces of said wire, and means for causing relative movement transversely of said wire between said brush mechanism and wire to effect a scrubbing action.

1,637,170. ASSOCIATING AND DELIVERY MECHANISM. ADOLPH M. ZUCKERMAN, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1926. Serial No. 115,721. 12 Claims. (Cl. 270—10.)



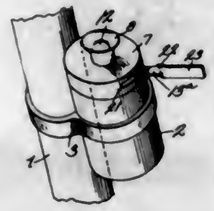
1. In a delivery, the combination of means for forwarding folded products, of a pair of receivers to which the products are forwarded, and means for operating the receivers to deliver the products so that the fold line of a plurality of products is in reverse position relatively to the fold line of a plurality of adjacent products.

1,637,171. DUPLEX TELEGRAPH SYSTEM. JOHN H. BELL, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1924. Serial No. 740,487. 6 Claims. (Cl. 178—69.)



1. In a telegraph system, a pair of ratio arms, a real and an artificial line connected to opposite ends of said ratio arms, transmitting and receiving mechanisms associated therewith, a relay having a pair of windings, each of said windings being normally disconnected from its associated circuit, indicating means controlled by said relay, and switching means responsive to each reversal of said transmitting mechanism for alternately connecting the windings of said relay between the points of connection of said real and artificial lines.

1,637,172. CIGARETTE EXTINGUISHER. RAYMOND E. BURRESS, Crockett, Calif. Filed Aug. 17, 1926. Serial No. 129,837. 3 Claims. (Cl. 131—51.)



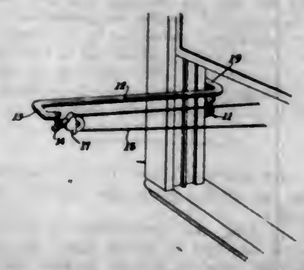
1. A cigarette extinguisher comprising a receptacle, a cap removably mounted on said receptacle, a cigarette receiving spout carried by said cap, a knife pivotally mounted within the cap and movable across the spout, a limiting plate within the cap beneath the knife, spring means for normally forcing said knife to closed position and a plate carried by said knife and extending downwardly, said plate forming means whereby upon the movement of the knife to closed position the severed end of a cigarette will be moved off the limiting plate.

1,637,173. ARMATURE SECURING AND CENTERING MEANS. MARCEL R. CAMORS, New Orleans, La. Filed Nov. 29, 1926. Serial No. 151,579. 3 Claims. (Cl. 64—29.)



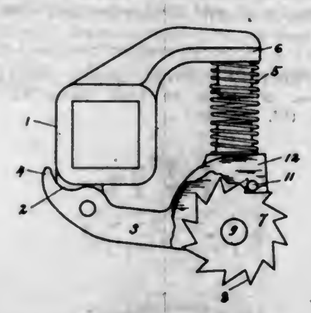
1. The combination with a combined armature and generator or motor shaft having a transverse aperture therein, of a tubular member having one end slotted to aline with the aperture in said shaft, the other end of said member presenting a conical recess and a spring-tensioned element having a conical projection and adapted to constantly abut said conical recess for centering said tubular member on said shaft.

1,637,174. LINE ATTACHMENT. FRANK B. CARLAND, Elmhurst, N. Y. Filed Jan. 12, 1925. Serial No. 1,797. 5 Claims. (Cl. 68—3.)



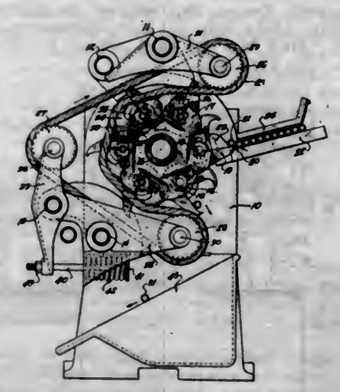
1. In a line attachment, the combination of a bracket having a pivot receiving member, a portion of which is removed to form an open space having limiting side walls; a movable member pivotally mounted in said pivot receiving member; the pivot of said movable member having an element affixed thereto and projecting through the open space in said pivot receiving member; means for attaching a line to the free end of said movable member; means for holding said movable member in adjusted positions relative to the bracket; said element cooperating with the sides of the open space in said pivot receiving member to define the limiting positions of said movable member.

1,637,175. FEED DEVICE FOR JOINTERS. EDGAR D. CHURCH, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed July 17, 1925. Serial No. 44,320. 3 Claims. (Cl. 144—242.)



1. In combination, a spring-pressed finger for finger-jointers, a circularly adjustable tooth-carrying member on said finger, and releasable means carried by said finger and adapted to engage said member to normally prevent rotation thereof, for the purposes set forth.

1,637,176. WORK FEEDING AND CLAMPING MEANS FOR METAL-WORKING MACHINES. FRANK M. DAVIS, Milwaukee, Wis. Filed Nov. 3, 1924. Serial No. 747,527. 8 Claims. (Cl. 10—166.)



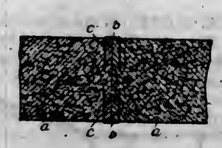
1. In a metal-working machine, the combination of a movable work carrier, toggle clamping mechanism movable with the work carrier, a cutting tool, and a yieldable tension band travelling with the work carrier during the cutting operation and operatively engageable at intervals with the toggle clamping mechanism for clamping the work on the carrier.

1,637,177. BANDEAU. NELLIE EICHEL, St. Louis, Mo. Filed Aug. 21, 1925. Serial No. 51,565. 1 Claim. (Cl. 2—190.)



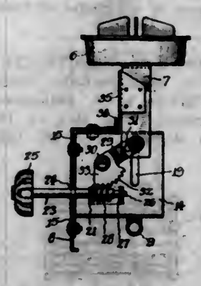
A pliable non-resilient bandeau for hats, comprising a casing of pliable textile material, a pliable strip of material within the casing and having substantial rigidity in the direction of its width, and pin members passing through one wall of the casing and each secured to the strip at two points one above the other, the hat engaging portions of the pins extending upwardly adjacent to the outer face of the casing.

1,637,178. HINGED EXPANSION JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed Oct. 19, 1925. Serial No. 63,365. 1 Claim. (Cl. 94—18.)



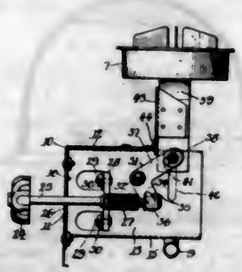
An expansion joint comprising sections of preformed strips of compressible material joined with their ends in confronting and abutting relation by staples, said staples being imbedded in the crown and base of the sections, the prongs thereof bridging the ends of the sections substantially as/and for the purpose described.

1,637,179. BURNER-REGULATING MECHANISM. CHARLES M. FITCH, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 21, 1925. Serial No. 63,815. 7 Claims. (Cl. 158—42.)



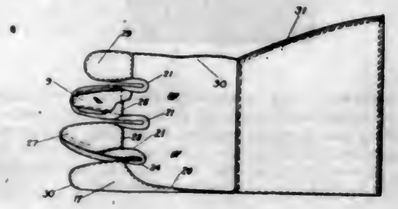
1. A wickless oil burner comprising, in combination, a stove body, a burner bowl, a vertical fuel supply pipe, a pipe connected to and carried by the bowl telescoping with the vertical supply pipe, a vertically movable support for the bowl, a pivoted arm having a pin and slot connection with said support, a shaft rotatable in the stove body, a worm on said shaft, and a worm-wheel segment rigid with said pivoted arm, said segment being formed about the pivot center of the arm, and said segment being in mesh with the worm.

1,637,180. BURNER-REGULATING DEVICE. CHARLES M. FITCH, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Nov. 2, 1925. Serial No. 66,136. 2 Claims. (Cl. 158—42.)



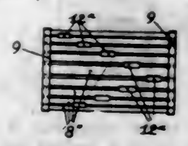
1. A wickless oil burner comprising, in combination, a stove body, a burner bowl, a vertical fuel supply pipe, a pipe connected to and carried by the bowl telescoping with the vertical supply pipe, a vertically movable support for the bowl, a pivoted lever having a pin and slot connection with said support and a shaft having rotatable screw-threaded engagement with a fixed portion of said stove body and having operative connection with said pivoted lever.

1,637,181. WORK GLOVE. HERMAN GILLIAN, Columbus, Ohio. Filed Mar. 1, 1926. Serial No. 91,405. 1 Claim. (Cl. 2—161.)



A glove lining unit having integral front, back and digit portions, a palm facing having integral digit fronts, facing fourchettes at the finger crotches connected to the finger front facing to terminate intermediate of the length of the fingers, and facing finger back tips connected to the finger front facing and extending away from the tips of the fingers to the fourchettes and short of extending to the region of the finger crotches.

1,637,182. ROTOR FOR ELECTRICAL MACHINES. ARTHUR GLAUBITZ, Mulheim-Ruhr, Germany, assignor to the Firm: Thyssen & Co. Aktiengesellschaft, Mulheim-Ruhr, Germany. Filed May 17, 1926, Serial No. 109,679, and in Germany Dec. 28, 1922. 6 Claims. (Cl. 171—206.)



1. In a rotor for electrical machines, the combination of a slotted core, coil holders inserted in the periphery of the latter, keys extending between the heads of said coil holders, pole-pieces and coils inserted between said coil holders, and a damping-winding inserted between said keys and coils and consisting of a damper cage of which at least large sections are prepared previous to its mounting in the rotor.

1,637,183. VANITY BOX. JAMES B. GRIFFIN, Waterbury, Conn. Filed May 20, 1926. Serial No. 110,389. 8 Claims. (Cl. 132—83.)



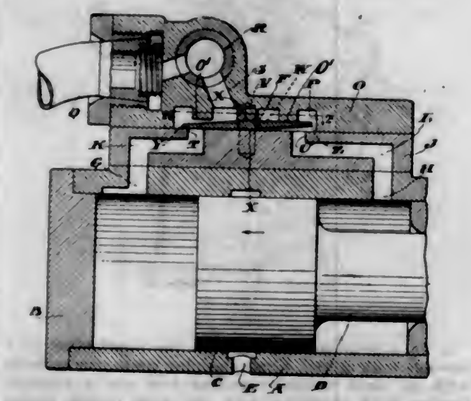
6. In a vanity box, a hollow base member, a ring member located therein, said ring member and the rim of said base member defining a powder-containing chamber, a sliding plate having a depending outer flange fitting within said ring member, spring means for pressing said plate upwardly, said ring member having openings normally closed by said plate to permit powder to pass out upon the top of said plate when the latter is depressed.

1,637,184. FRICTION CLUTCH. JOSEPH ARTHUR GUAY, Lynn, Mass. Filed Oct. 19, 1925. Serial No. 63,397. 7 Claims. (Cl. 192—68.)



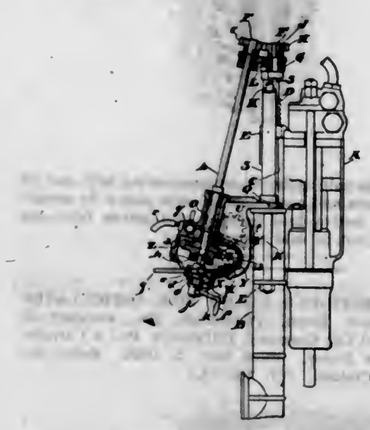
1. A clutch plate comprising two spaced parallel disks, interleaving fingers on the peripheries of the disks which connect said disks together, the ends of said fingers projecting beyond the surfaces of the disks, clutch facings held by the projecting ends of said fingers, and yielding means located between said disks.

1,637,185. DISK VALVE FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 20, 1925. Serial No. 31,486. 1 Claim. (Cl. 121—22.)



A fluid actuated rock drill comprising a cylinder and reciprocating piston, a free exhaust port located centrally of the cylinder and controlled only by the piston, a valve box having a valve seat and a shallow circular bore forming a valve chamber located at the side of the cylinder, said valve box being formed with a flange forming a stop for the valve, a plate valve in the form of a thin flat oscillating circular disk having a relatively broad area in said box, said valve disk having clearance at opposite edge portions and being uniformly tapered from its median diameter towards said opposite edge portions, the valve lying in direct contact with the valve seat along said median line to form a fulcrum, said valve having notches at the ends of its median diameter, pins entering said notches to hold the valve against rotation about its longitudinal axis, and to locate the valve box with respect to the cylinder, and inlet ports for the cylinder controlled only by said valve.

1,637,186. FEED-SCREW MOTOR FOR ROCK DRILLS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 19, 1926. Serial No. 82,272. 2 Claims. (Cl. 121—9.)



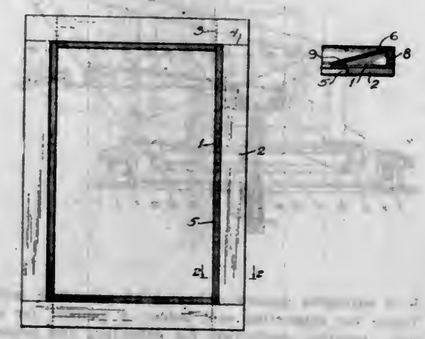
1. The combination of a rock drill, a shell therefor, a feed screw rotatable in the shell and operatively connected to the rock drill, rods supported by the shell and extending rearwardly thereof, a bearing bracket on the free end of the rods to support one end of the feed screw, a rotary motor, a motor bracket supported by the rods, a shaft adapted to be rotated by the motor and supported at one end by the bearing bracket, and gears on corresponding ends of the feed screw and the shaft meshing with each other to transmit the rotary movement of the motor to the feed screw for imparting retrograde movement to the rock drill with respect to the shell.

1,637,187. GASEOUS FUEL. JOHN HARRIS, Cleveland, Ohio, assignor to James R. Rose, Edgeworth, Pa. Filed May 28, 1923. Serial No. 642,090. 1 Claim. (Cl. 48—3.)

A gaseous fuel for cutting and welding purposes, consisting of a mixture of acetylene with not materially less than 5% and not materially more than 20% by volume of benzine vapor.

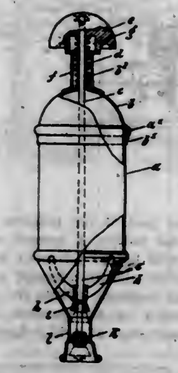
1,637,188. PICTURE-FRAME CONSTRUCTION. VALDEMAR E. HANSEN, Chicago, Ill. Filed June 7, 1926. Serial No. 114,206. 1 Claim. (Cl. 40—152.)

A picture frame comprising a plurality of pairs of strips joined at their ends to form a polygonal frame and having each side member composed of back and front rectangular strips of cardboard glued together face to face, said front strips being wider than said back strips, the outer side edges of said strips being in registry so as to form a recess at the inner sides of said edges for a glass, a mat, and a picture, one strip of each pair being as much shorter than the other strip as the width of the adjacent corresponding strips, said side members being joined by overlapping and gluing together the protruding



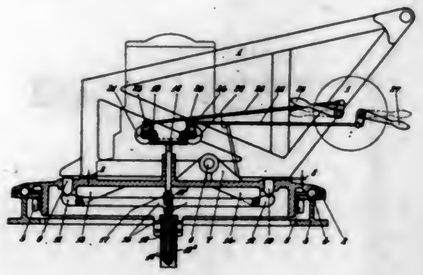
ends of opposite strips so that the end edges of the shorter strips abut against the side edges of the adjacent longer strips, a beveled facing of cardboard on said front strips for imparting rigidity thereto, and a flexible covering material surrounding said frame members and glued thereto for holding said beveled front and back strips securely together.

1,637,189. POWDERED-SOAP-DISPENSING DEVICE. HUGO HELBERGER, Munich, Germany. Filed Jan. 26, 1927, Serial No. 163,634, and in Germany Oct. 22, 1925. 4 Claims. (Cl. 221—62.)



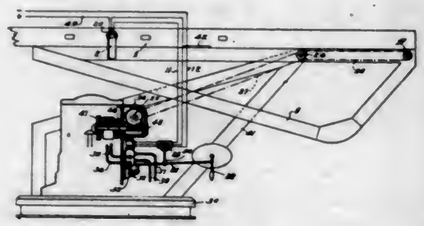
1. A powdered soap dispensing device, comprising a container, a removable cover for the container said cover having a tube projecting therefrom, a plunger operable in said container and guided in said tube, a button at one end of the plunger said button having a cavity therein, and a spring encircling said tube and having one end engaging the cover and its other end within said cavity.

1,637,190. SAFETY DEVICE FOR PORTABLE POWER-OPERATED FIRE ESCAPES. FRANZ HETZELBERGER, Ulm-on-the-Donau, Germany, assignor to C. D. Magirus, Aktiengesellschaft, Donau, Germany, a Corporation of Germany. Filed Aug. 29, 1925, Serial No. 53,443, and in Germany May 12, 1925. 7 Claims. (Cl. 228—8.)



1. A salvaging apparatus having an extensible ladder, a frame for supporting said ladder, a support for said frame, operating mechanism for extending and telescoping said ladder, operating mechanism for elevating and lowering said ladder, and means operated by movement of the supporting frame out of its normal position for stopping said operating mechanisms.

1,637,191. AUTOMATIC CONTROL FOR VEHICLE SUPERSTRUCTURES. FRANZ HETZELBERGER, Ulm-on-the-Donau, Germany, assignor to C. D. Magirus, Aktiengesellschaft, Donau, Germany, a Corporation of Germany. Filed Aug. 29, 1925, Serial No. 53,444, and in Germany June 3, 1925. 10 Claims. (Cl. 228—8.)



1. An electrical control for ladders, comprising a contact carried by the ladder, a second contact pendulously suspended from said ladder adjacent said first mentioned contact, an etlectric circuit adapted to be closed by the contacting of said contacts, means for rotating the ladder and means actuated by the current in said circuit for controlling the operation of said rotating means.

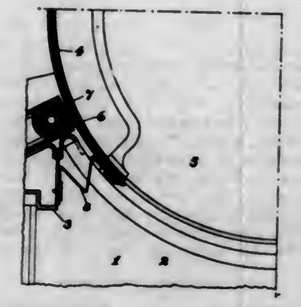
1,637,192. PERCUSSIVE TOOL. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Aug. 26, 1926. Serial No. 131,651. 2 Claims. (Cl. 121—11.)

1. A pneumatic percussive tool comprising a cylinder having motive fluid supply ports communicating with the front and rear ends of said cylinder and centrally disposed exhaust ports, a hammer piston adapted to reciprocate in said cylinder, a front head to receive the shank of a tool to be struck by said hammer piston, means controlled by the shank of said tool to permit escape of motive fluid from the end of said cylinder and a centrally



disposed port in said cylinder communicating with one of said supply ports and controlled by said piston to permit the escape of motive fluid back of said piston from one of said ports and to said exhaust port.

1,637,193. VESTIBULE GUARD FOR ARTICULATED CARS. FELIX KOCH, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Mar. 2, 1926. Serial No. 91,826. 8 Claims. (Cl. 105—4.)



1. In an articulated car comprising a plurality of bodies, a vestibule member between the adjacent ends of two of said bodies, weather proofing means between said member and bodies, and guard means extending between said member and bodies across the point of contact of said weather proofing means interiorly of said bodies.

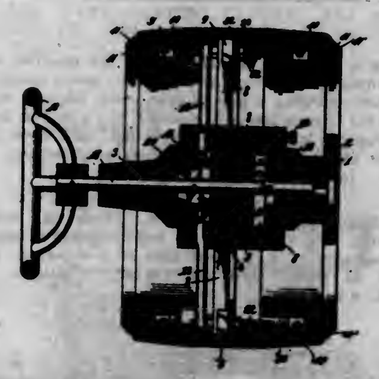
1,637,194. SUPPORT FOR FOLDING DOORS. JOSEPH C. KOOP, Newark, N. J. Filed Nov. 2, 1923. Serial No. 672,332. 2 Claims. (Cl. 16—88.)

1. A guide for folding doors, said doors comprising a socket including a top plate and a bushing, a sleeve passing through in screw threaded engagement with the bushing, a stem slidable in the sleeve and having a shoulder to abut on the lower end of the sleeve, a spring abutting on the top plate and extending into the sleeve



and held thereby in engagement with the top of the stem, a rail with a groove therein, and a ball in the groove and seated in the shoulder of the stem.

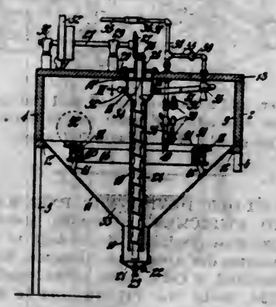
1,637,195. TIRE-BUILDING MACHINE. JOHN W. KUHN, Akron, Ohio. Filed Apr. 13, 1926. Serial No. 101,758. 14 Claims. (Cl. 154—10.)



1. In a machine of the class described, a wheel including a tire building band, and a ring of lesser external diameter than said band disposed at each edge of said band and partly within its periphery.

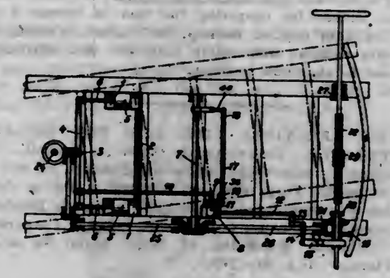
1,637,196. SAND-BLASTING MACHINE. FREDERICK LAU, Carmel, N. Y. Filed Nov. 21, 1923. Serial No. 676,073. 7 Claims. (Cl. 51—15.)

6. An apparatus of the character described comprising, a container for the sand, said container having downwardly tapered walls and a cylindrical portion at the bottom thereof, a tube within the container and projecting into said cylindrical portion, a screw within the tube for moving the sand upwardly therein to a discharge point, a ring fixed in said container surrounding said tube, an annulus mounted to travel on said ring,



a rack gear carried by said ring, an article support on said annulus, a pinion on said article support engaging said rack gear, a worm gear on said annulus, a worm engaging said worm gear, and common power means for actuating said worm and said screw.

1,637,197. MECHANICAL LADDER. HERMANN MATTES, Ulm-on-the-Donau, Germany, assignor to C. D. Magirus Aktiengesellschaft, Ulm-on-the-Donau, Germany, a Corporation of Germany. Filed June 29, 1925, Serial No. 40,205, and in Germany Feb. 2, 1925. 10 Claims. (Cl. 228—8.)

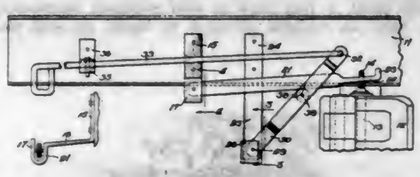


1. In a mechanical ladder, a frame, a ladder pivotally mounted thereon, a threaded shaft journaled in said frame, a pair of gears on said shaft, a pinion adapted to selectively engage said gears, a nut mounted on said shaft, and engaging said ladder, and means actuated by movement of the ladder for automatically disengaging the pinion from the gears when the nut has reached a predetermined position on said shaft.

1,637,198. UNCOUPLING DEVICE. JOHN MCMULLEN, Buffalo, N. Y. Filed May 22, 1920. Serial No. 383,390. 12 Claims. (Cl. 213—166.)

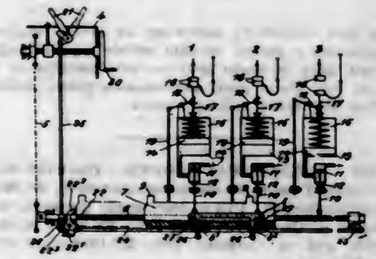
1. In an uncoupling device for railway cars, the combination with a car coupler and its coupling pin, of a pin-

operating lever pivotally carried by the car independently of the coupler, a pivoted lift lever for actuating said pin-



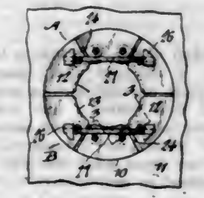
operating lever, and a hand-operated pull rod connected to said lift lever and adapted when pulled outwardly from the side of the car to actuate said lift lever.

1,637,199. CUT-OUT DEVICE FOR PNEUMATICALLY-OPERATED SWITCHES. GOTTLIEB MEYFARTH, Geneva, Switzerland, assignor of one-half to the Firm: Société Anonyme des Ateliers de Sécheron, Secheron, Geneva, Switzerland, a Corporation of Switzerland. Filed Nov. 4, 1924, Serial No. 747,712, and in Switzerland Nov. 22, 1923. 6 Claims. (Cl. 200—18.)



1. In an apparatus of the class described, a plurality of control members, a movable carriage, a cam associated with the carriage and adapted to actuate the said control devices, means for operating the cam to release a plurality of said control devices, and means whereby the said cam remains inoperative until the said carriage is returned to an initial position.

1,637,200. FLEXIBLE PIPE SLIP FOR DRILLING APPARATUS. FREDERICK J. O'BRIEN, Titusville, Pa., assignor, by direct and mesne assignments, of one-half to Titusville Forge Company, Titusville, Pa., a Corporation of Maryland, and one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 18, 1926. Serial No. 82,070. 3 Claims. (Cl. 24—263.)



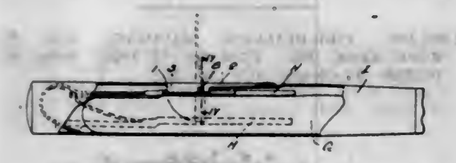
3. A casing slip of the character described, comprising a plurality of radially-spaced sectors, upper and lower horizontal links pivotally connecting adjoining sectors, and plates arranged in the spaces between said sectors, the upper and lower edges of said plates having notches engaging the corresponding links.

1,637,201. SHOULDER STRAP. AUGUST OBERSTEBRINK, Brooklyn, N. Y., assignor to Mohawk Textile Mills, Inc., Newark, N. J., a Corporation of New Jersey. Filed Feb. 8, 1926. Serial No. 86,897. 3 Claims. (Cl. 241—12.)



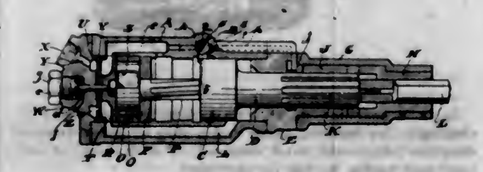
1. As a new article of manufacture, a shoulder strap for women's undergarments comprising a body portion of warp knitted fabric adapted to rest on the shoulder of the user, and integral knitted splayed ends for attachment to the garment at the front and back of the shoulder.

1,637,202. SELF-FILLER LEVER DEVICE FOR FOUNTAIN PENS. WILLIAM A. RAPPEPORT and CHARLES HARDY, New York, N. Y. Filed Dec. 30, 1922. Serial No. 609,871. 7 Claims. (Cl. 120—46.)



1. In a self-filling fountain pen, an ink reservoir shell, a self-filler lever carried by said shell, means carried by the shell providing a pair of open ended bearings within which the lever is pivotally mounted, and a squeeze spring engaging the lever to at all times hold said pivot parts against dislodgment from said open ended bearings.

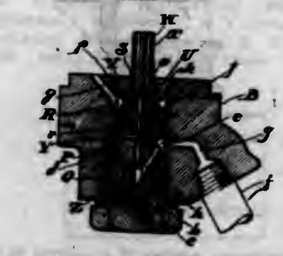
1,637,203. BLOWING DEVICE. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 26, 1926. Serial No. 144,335. 2 Claims. (Cl. 121—6.)



1. In a fluid actuated rock drill, the combination of a cylinder having inlet passages and a free exhaust port, a hammer piston in the cylinder controlling the exhaust port, a fluted extension on the hammer piston, a valve chamber, a valve in the chamber controlling the inlet passages, a conduit in the cylinder leading from an inlet passage to communicate with the flutes of the extension

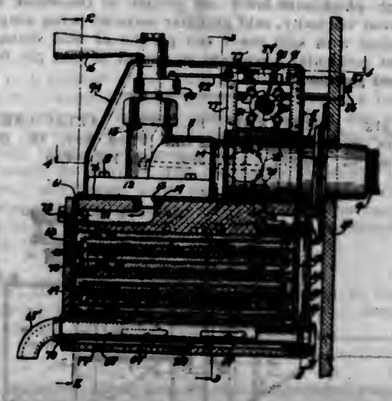
forwardly of the cylinder, and means in the cylinder for closing the exhaust port and for simultaneously permitting an uninterrupted flow of pressure fluid through the conduit and through the fluted extension.

1,637,204. TUBE CONNECTION FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 18, 1926. Serial No. 149,127. 1 Claim. (Cl. 121—10.)



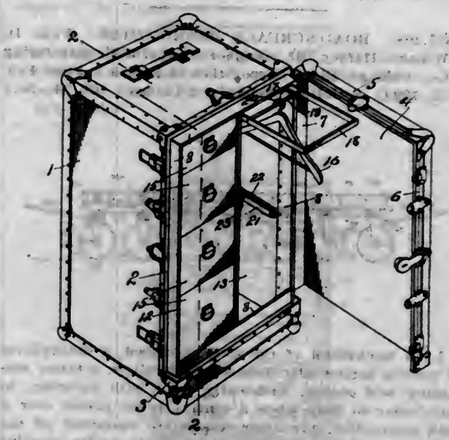
In a fluid actuated rock drill, the combination of a cylinder, a back head for the cylinder having a recess, a tapered seat in the bottom of the recess, a pair of concentrically arranged tubes extending through the cylinder and into the recess, a flared portion on the outer tube to cooperate with the tapered seat for forming a fluid tight joint, a flange on the inner tube, a tapered plug seated in the flared end of the outer tube and loosely encircling the inner tube, a packing between the tapered plug and the flange, and a water plug screwed in the recess bearing on the flange to compress the packing and to hold the tapered bore and the flared portion of the outer tube firmly on their seats, said water plug having an aperture to receive the rearward end of the inner tube for holding said inner tube concentrically with respect to the outer tube.

1,637,205. FLUID-HEATING FAUCET. KARL TRAMP, Chicago, Ill. Filed June 2, 1926. Serial No. 113,161. 5 Claims. (Cl. 219—30.)



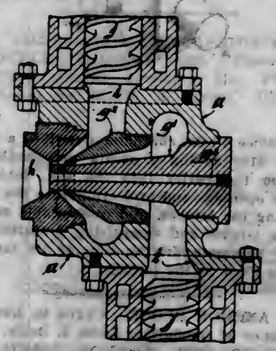
1. A fluid heating faucet comprising faucet mechanism including a standard tubular rear portion having a valve ball therein, a front portion detachably mounted on said rear portion and having fluid outlet means and handle means for sliding said ball longitudinally in said tubular rear portion, and heating mechanism mounted on said front portion and having a channel for conducting fluid from said outlet means to and fro through said heating mechanism.

1,637,206. WARDROBE TRUNK. VIRGIL WEEKS, Kansas City, Mo. Filed Aug. 10, 1925. Serial No. 49,299. 1 Claim. (Cl. 190—28.)



In a wardrobe trunk, a body having a side opening, an outwardly projecting ledge portion at the lower end of said opening, flanges extending outwardly from the front edge of the body of the inner sides respectively of the upper end and sides of said opening, the side flanges extending to said ledge portion, and a flange extending upwardly from the inner side of said ledge portion between said side flanges, and a cover for said opening adapted to cover said ledge portion flange and having at its upper end and side edges flanges adapted to respectively overlap and cover said end and side flanges of the body, the cover being hinged to said body and having the edges of its flanges abutting against the adjacent edges of said body, when the cover is closed.

1,637,207. RUBBER AND LIKE FORCING MACHINE, EXTRUSION PRESS, AND THE LIKE. WALTER PERCY WHITEHOUSE, Gravesend, England. Filed May 21, 1923, Serial No. 640,559, and in Great Britain May 31, 1922. 2 Claims. (Cl. 18—14.)



1. A machine for the manufacture of sheet materia. i.. tubular or flat form from plastic material such as rubber, comprising a series of grooved conical extrusion nozzles, spiral grooves in the faces of said nozzles for extruding the plastic material in strip form, the grooved nozzles be-

ing concentric, whereby the strips may be extruded in concentric layers, means for supplying the plastic material to the nozzles, and means for uniting the strips edgewise as they leave the nozzles.

1,637,208. ROAD-SURFACE RESMOOTHER. FRED D. WILSON, Harvey, Ill., assignor to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1924. Serial No. 694,527. 2 Claims. (Cl. 94—50.)



1. In mechanism of the class described, a multiplicity of tandem horizontally disposed road rollers, a frame sustaining said rollers, sufficiently rigid with reference to each other so that when a central roller passes over a road obstruction, the other rollers are sustained off the road thereby throwing the weight of the entire machine on the one roller, means pivoting certain of the rollers on vertical axes and a series of diagonally disposed connecting rods between said pivoted rollers so arranged that manually rocking one pivoted roller on its vertical axis simultaneously so rocks all the pivoted rollers that the machine can move in a curve.

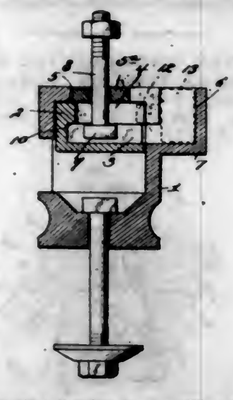
1,637,209. ELEVATOR. BERT WOODS, Tulsa, Okla. Filed May 16, 1925. Serial No. 30,796. 2 Claims. (Cl. 294—91.)



1. In a device of the character described a body having a slot and also having a cavity and inclined opening leading from the cavity into the slot, latches slidably fitted in the openings and projectible into the slot, springs for projecting the latches, and controllable means for retracting the latches and comprising a shiftable latch releasing rod having a driving cam at its inner end and driven cams fixed to the latches.

1,637,210. ANCHOR BLOCK. CLYDE G. BETTS, Warren, Pa., assignor of one-half to Louis J. Betts, Warren, Pa. Filed July 27, 1926. Serial No. 125,278. 9 Claims. (Cl. 72—105.)

1. An anchor block including relatively movable members, one embracing the other, said members together being provided with a key-hole slot, the wider portion of said slot being in the embracing member and the narrower portion in the embraced member, the walls of said narrower portion being undercut to form a channel having overhanging flanges, communicating with the wider portion of said slot, said embraced member being rotatable



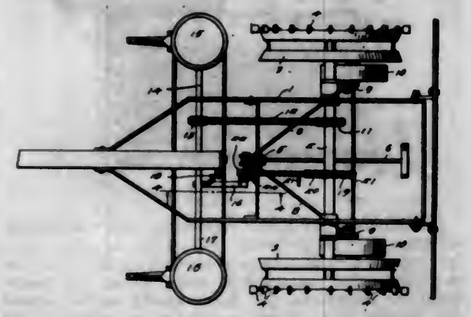
within the embracing member to a position in which said channel is out of registry with the wider portion of said key-hole slot.

1,637,211. TALLY. BENJAMIN BERNARD BLEY, Waco, Tex. Filed July 3, 1926. Serial No. 120,410. 1 Claim. (Cl. 35—90.)



In a tally, a block having a top member having a chamber underneath said top member, said top member having a vertical perforation formed therein, a pin having a shank movable vertically in said perforation and having a head at the upper end of the shank, the lower end portion of said shank being turned laterally in said chamber, and granular material within said chamber through which said lower end portion of the shank may be moved vertically, said granular material being adapted to engage with said lower end portion of said shank to prevent accidental downward movement of said pin from a raised position.

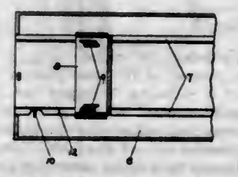
1,637,212. CHECKROW PLANTER ATTACHMENT. JOHN P. BODDIGER, Polo, Ill. Filed Nov. 19, 1926. Serial No. 149,371. 3 Claims. (Cl. 111—42.)



1. A check row attachment comprising in combination with a planter having an axle with the ground engaging wheels fixed thereto, an arm fixed to the seed dropping

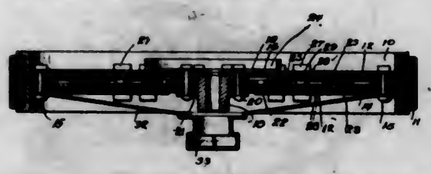
shaft of the planter, a bracket fixed to the intermediate portion of the planter, upper and lower sprocket wheels journaled upon the bracket, a sprocket wheel fixed to the axle of the planter, a sprocket chain trained around said sprocket wheels, and having a vertical run disposed between said upper and lower sprocket wheels, buttons carried by the sprocket chain, said arm having a free end portion extending into the path of movement of the buttons at the vertical run of the chain.

1,637,213. FOCUSING INDICATOR FOR CAMERAS. CARL BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed May 13, 1926. Serial No. 108,871. 1 Claim. (Cl. 95—45.)



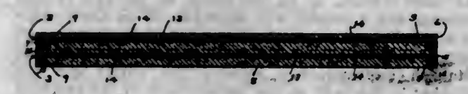
A camera comprising a body adapted to receive a sensitized medium in either one of two parallel planes, a platform, and a front slidable thereon for focusing, stop means on said platform for said front at a single predetermined point of fixed focus in relation to one of said planes, and an indicator mark on said platform for said front at a single predetermined point of fixed focus in relation to the other of said planes.

1,637,214. ELASTIC SUSPENSION WHEEL. DENIS P. J. BURGUIÈRES, Louisa, La., assignor of one-fourth to Godfrey Christ, Louisa, La. Filed Sept. 9, 1926. Serial No. 134,536. 2 Claims. (Cl. 152—28.)



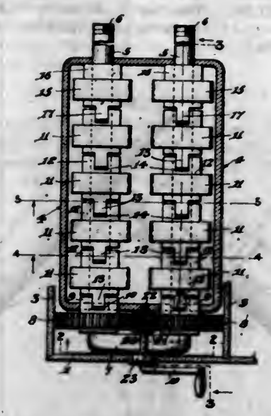
2. A resilient wheel comprising a rim having spaced inwardly extending flange plates, a hub having a hub plate lying between the flange plates, a resilient disc connecting the rim and hub to normally support the latter centrally in the wheel, and a circular row of bolts secured through the resilient disc, the flange plates and the hub plate, said flanges plates and hub plates having alternate large and small openings about the bolts for connecting alternate portions of the resilient disc to the flange plates and the hub plate.

1,637,215. CONCRETE SLAB. FREDERICK D. COPPOCK, Greenville, Ohio. Filed Nov. 23, 1926. Serial No. 150,269. 3 Claims. (Cl. 94—12.)



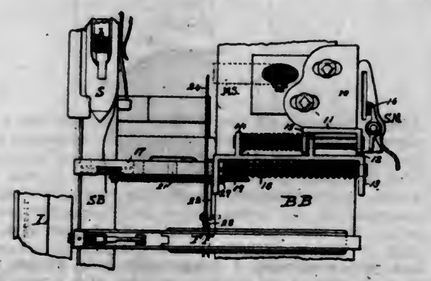
1. A slab comprising a metallic armor in the form of a frame having the sides and ends thereof provided with spaced pairs of superposed slits and with the material freed by each pair of slits extended inwardly to provide a coupling piece, reinforcing bars having depending ends positioned between the coupling pieces and the frame whereby the bars are connected in position, said bars arranged within the frame inwardly with respect to the top and bottom edges thereof, and a non-metallic plastic body surrounded by said frame, having said bars embedded therein and further flush with the top and bottom edges of the frame.

1,637,216. WATER-COOLED GRATE. WILLIAM H. CUNNINGHAM and JAMES T. ROWAN, Pittsfield, Mass. Filed Jan. 12, 1926. Serial No. 80,849. 1 Claim. (Cl. 122—374.)



In a furnace grate structure a plurality of spaced, stationary, parallel tubes constituting water heating conduits extending through the fire box of the furnace and having a communicating connection therebetween at their front ends positioned forwardly of the fire box of the furnace, a shiftable set of grate dogs mounted on each tube within the fire box, each dog of a set consisting of an inverted equilateral triangular shaped body portion having an axial opening for the passage of a tube and further including oppositely extending tubular extensions axially aligning with the opening thereof, said extensions having means providing radial intermeshing connections between adjacent dogs, meshed gears mounted upon the tubes outside of said fire box and each including a hub extended inwardly through the front fire box wall and provided with means for engaging the forward intermeshing connection of the tubular extension of the adjacent dog, and means for oscillating one of said gears whereby to operate the sets of grate dogs.

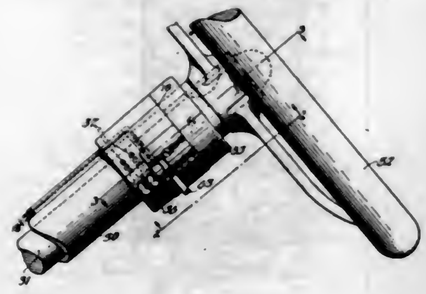
1,637,217. THREAD CUTTER AND STOP MOTION FOR WEFT-REPLENISHING LOOMS. DÉSIRÉ DACKMINE and HECTOR MONIER, Lewiston, Me. Filed Jan. 30, 1926. Serial No. 84,880. 9 Claims. (Cl. 139—264.)



1. The combination in a thread cutter and holder for weft replenishing looms, of a movable carrier frame for a cutter bar, a cutter bar maintained in reciprocal engage-

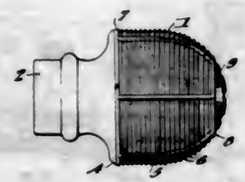
ment with the frame, a spring which engages the cutter bar and the frame, a thread cutter pivoted on the cutter bar, a rod which engages with the cutter, a spring and a stop on the rod for engagement with the movable carrier frame, a latch pivoted on the movable carrier frame for engagement with the cutter bar, and means for releasing the latch operatively connected with the weft replenishing mechanism of the loom.

1,637,218. SIGNAL-CONTROL MECHANISM FOR AUTOMOBILES. WILLIAM A. ECKERT, Buffalo, N. Y. Filed July 9, 1924. Serial No. 725,060. 14 Claims. (Cl. 200—59.)



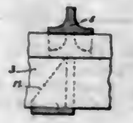
1. A direction signaling mechanism for automobiles having a rotary member and a stationary support adjacent to said member, comprising a carrier adapted to be mounted on said rotary member and provided with a circumferential locking channel, and an enlarged clearance chamber in a part of said channel, a switch lever adapted to control a signal circuit and pivoted on said support and having an outer arm adapted to be operated manually and an inner arm adapted to swing through said clearance chamber and to be held against turning in one direction or another direction by engagement of its inner arm with the bottom of said channel on one side or the other of said clearance chamber, and a restoring dog yieldingly mounted within said chamber and adapted to clear said lever and permit said carrier to turn in one direction relatively to said lever but to engage said lever and eject the same from said clearance chamber upon moving the carrier in the opposite direction.

1,637,219. HYDROMETER BULB. LEO EDELMANN, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1925. Serial No. 49,673. 5 Claims. (Cl. 230—169.)



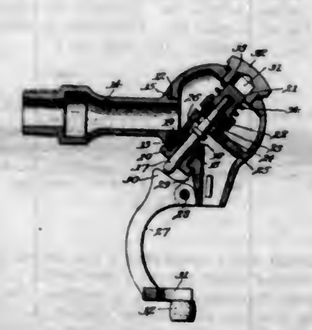
1. A bulb comprising a compressible body having attachment means at one end and provided with a plurality of circumferential and longitudinal ribs over its outer surface with the longitudinal ribs crossing and breaking the circumferential ribs.

1,637,220. CROSS-JOINTED METAL BAR. STEPHEN J. GARY, New York, N. Y., assignor of one-half to John E. Lewis, New York, N. Y. Original application filed Mar. 18, 1925, Serial No. 16,450. Divided and this application filed Aug. 28, 1925. Serial No. 53,156. 5 Claims. (Cl. 287—51.)



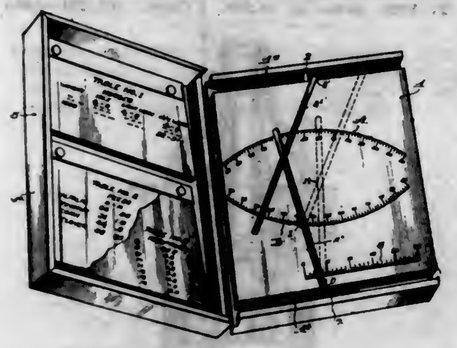
1. In a cross-joint for metal bars, a T-shaped bar formed with a portion of the base pressed out for receiving the base of a co-acting T-shaped bar, and a pair of pressed out braces formed with a gripping channel member at their meeting edges, the material forming the braces being pressed out of the web from the base and at an angle thereto to a point near the edge of the web whereby all of the material of the bar will be retained for bracing the web of the bar at the crossing and also the co-acting crossing bar fitted into the openings provided by the pressed out portions.

1,637,221. RECEPTACLE-ACTUATED FAUCET. CHESTER W. HATHAWAY, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Oct. 17, 1925. Serial No. 63,123. 1 Claim. (Cl. 251—116.)



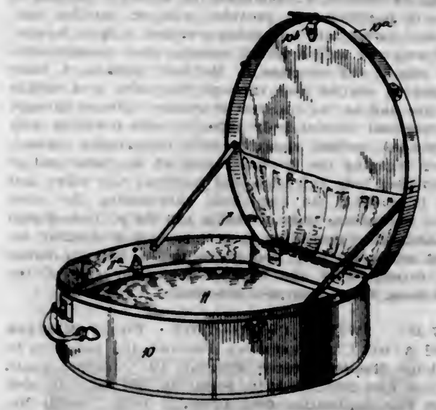
A faucet comprising a body of substantially spherical form having an integral depending nozzle and an inlet opening, the axis of which is substantially at right angles to the length of the nozzle, the interior of the body being divided into two chambers, communicating, respectively, with said inlet and nozzle, by a partition including a wall which extends inwardly from the edge of the inlet opening, at an inclination to the axis of said opening, and a second wall extending at an acute angle to said first wall across the inner end of the nozzle, said second wall being provided with an opening adapted to establish communication between the nozzle and the chamber in the body on the opposite side of the partition from the nozzle, a valve controlling flow through said opening and having its stem projecting from the body, a spring acting to maintain the valve in position to close said opening in the partition, and means adapted to be engaged by a vessel positioned beneath the nozzle for moving the valve in opposition to the spring.

1,637,222. CALCULATING DEVICE. LYNN H. HEMPLEMAN, Twin Falls, Idaho. Filed Aug. 12, 1926. Serial No. 128,732. 6 Claims. (Cl. 235—89.)



2. A calculating device for the purpose described, comprising a board having two degree scales marked thereon, with the geometric centers thereof located at opposite edges of said board, grooves extending along said edges, blocks slidably mounted in said grooves, indicators associated with said degree scales and pivotally mounted on said blocks.

1,637,223. HATBOX. JOSEPH A. HOLTZMAN, Baltimore, Md. Filed Mar. 5, 1926. Serial No. 92,608. 3 Claims. (Cl. 206—8.)



1. A hat box comprising a tubular open ended body portion, a permanent horizontal partition dividing the same into upper and lower compartments, independent lids supported by hinges at the free ends thereof, and fastened by the conventional suit case locks, the upper compartment adapted to receive a removable spacer to support a tray, and the lid thereof adapted to carry the tray to form an independent compartment, the partition adapted to detachably support a hat from on its bottom face whereby the lower compartment may be used as a hat box and container for other articles.

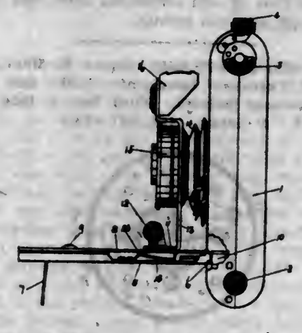
1,637,224. MANUFACTURE OF SCREW PROPELLERS. HENRY LEITNER, Croydon, England. Original application filed Apr. 24, 1926, Serial No. 104,449, and in Great Britain July 9, 1924. Divided and this application filed Dec. 8, 1926. Serial No. 153,411. 6 Claims. (Cl. 29—148.)

1. A process of manufacture of a screw-propeller blade from a solid block or blank of metal of approximately the shape of the blade, consisting in machining one side of the blank flat, securing the blank with the machined surface downward on the bed of a shaping machine with the end designed to form the tip of the blade higher than



the other end, shaping the upper surface of the blade by cutters travelling longitudinally of the blade and at the same time rocking the blade by a corresponding movement of the machine bed.

1,637,225. CAMERA-FRONT CATCH. LEW W. LESSLER, Johnson City, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Feb. 24, 1926. Serial No. 90,832. 4 Claims. (Cl. 95—46.)



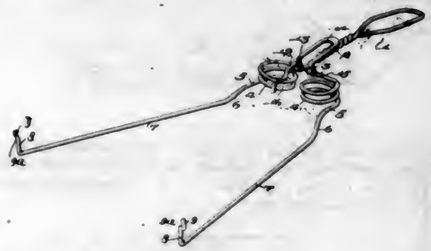
1. In combination with the platform of a camera, a slidable rail thereon, a sliding front on said rail, a spring catch on said platform engageable with said front when said rail is extended, and means on said rail for disengaging said catch from said front when said rail is returned.

1,637,226. WIRE-SPLICING TOOL OR WRENCH. ALBERT J. LEWIS, Burr Oak, Mich. Filed Jan. 21, 1926. Serial No. 82,706. 1 Claim. (Cl. 140—119.)



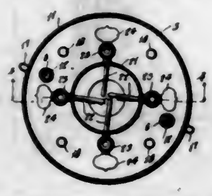
In a wire splicing tool or wrench for applying a splice sleeve connector to wires, the combination of a handle made up of symmetrical sides with head embracing portions open at the outer ends, a twisting head with hubs extending into said embracing portions provided with a ratchet at its periphery and a radial slot to cooperate with said open head embracing means, said slot being enlarged into engaging slots at its inner end to slide lengthwise of a connector sleeve, a pawl or dog pivoted between the sides of said handle with a laterally projecting thumb piece, and a spring for holding the same into engagement with the ratchet wheel, coacting substantially as described for the purpose specified.

1,637,227. PAN LIFTER. ALBERT R. MCDANIEL, Johnstown, Nebr. Filed June 18, 1926. Serial No. 116,925. 8 Claims. (Cl. 294—33.)



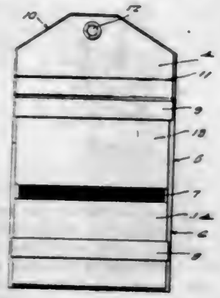
1. A pan lifter comprising a pair of supporting arms adapted to extend across the bottom of a pan underneath the pan, means at the outer ends of said arms for engaging with the rim edge of the pan, coil springs joined to the inner ends of said supporting arms, and a handle connected with said coil springs.

1,637,228. OIL DISPENSER. CLYDE E. MELVILLE and AUSTIN C. PETERSON, Sacramento, Calif.; said Peterson assignor to said Melville. Filed Feb. 2, 1926. Serial No. 85,577. 4 Claims. (Cl. 221—74.)



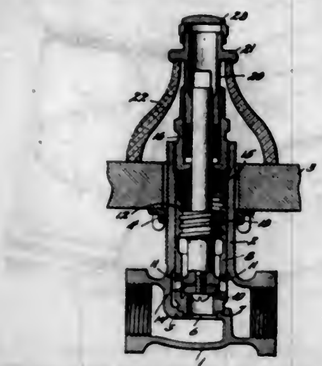
1. In an oil dispenser, a base embodying a storage tank divided vertically into a plurality of oil compartments, an oil delivery pipe extending upwardly from each compartment, a dispensing nozzle for each pipe disposed above the tank, and a compressed air supply pipe having a horizontal portion in the upper end of the tank communicating with each compartment.

1,637,229. CASE FOR CIGARETTE PAPERS. FELIX MERENSKY, Leavenworth, Kans., assignor of fifty per cent to George Merensky, Detroit, Mich. Filed Apr. 26, 1926. Serial No. 104,716. 1 Claim. (Cl. 150—39.)



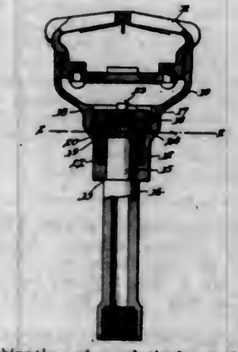
As a new article of manufacture, a container for a book of cigarette papers, said container comprising hingedly connected backing members of symmetrical design and closing flap, said container being constructed from an inner ply of relatively stiff material, water proofed sheet material placed against the outer side of the stiff material, a facing and covering for said water proofing material, and a lining for said stiff material.

1,637,230. VALVE FOR BUILT-IN PLUMBING FIXTURES. LUCIEN W. MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Oct. 21, 1925. Serial No. 63,929. 1 Claim. (Cl. 251—156.)



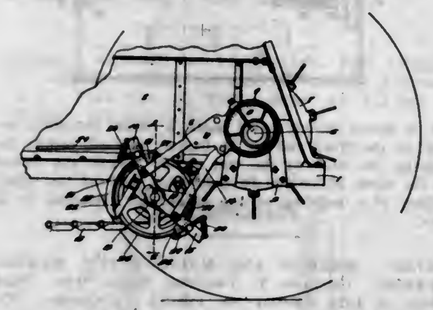
In a valve of the character described, the combination of a casing comprising a main body portion provided with inlet and outlet openings, separated by an interior partition provided with an opening, and a lateral tubular extension which is exteriorly threaded and provided adjacent its outer end with an interior thread, a nut engaging the exterior thread on said tubular extension and adapted to be turned thereon into close engagement with a wall or body, a tube within the lateral body extension having its inner end communicating with the opening in the said partition and provided with an interior compression thread, said tube being provided with an interior valve seat and with a lateral opening that communicates with one of the openings in the body portion, a valve adapted to control flow through the valve seat within the tube and having its stem extending outward through the tube and tubular body extension and provided with a threaded section engaging said compression thread, a plug engaging the interior thread at the outer end of the tubular body extension and confining the valve seat tube in position, an escutcheon surrounding the outer end of the tubular body extension and the portion of said retaining plug projecting therefrom, and a member engaged with said plug and providing an annular flange that extends over and engages the outer end of the escutcheon, for the purpose described.

1,637,231. SWIVEL CONNECTION. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Original application filed Nov. 12, 1919, Serial No. 337,492. Divided and this application filed June 12, 1924. Serial No. 719,555. 4 Claims. (Cl. 285—163.)



1. The combination of a relatively stationary member, a revoluble member mounted on said stationary member, a retaining nut threaded to said stationary member, and non-rotatable means interlocked with said stationary member directly beneath said nut to prevent turning contact of the revoluble member with the nut.

1,637,232. MANURE SPREADER. LEONARD B. NEIGHBOUR, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Apr. 3, 1924. Serial No. 703,920. 1 Claim. (Cl. 192—8.)



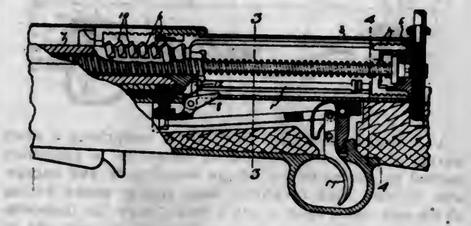
In a feeding device, the combination of a rotary shaft, a second rotary shaft mounted parallel therewith, a bearing for the second shaft, means to actuate the first shaft, mechanism connecting said shafts and operated by the first shaft to actuate the second shaft, a recess in said bearing adjacent said mechanism, a member secured rigidly on said second shaft having lugs extending from its periphery, lugs included in said mechanism extending into said recess in contact with the lugs on said member whereby said second shaft is rotated by operation of said mechanism, rolling elements within said recess adapted to automatically contact with the side thereof and momentarily check the rotation of said second shaft beyond its normal speed, and means to automatically release said contact when the normal speed of said second shaft is restored.

1,637,233. SMALL ARMS. GEORGE NORMAN, Small Heath, Birmingham, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Filed Nov. 17, 1926, Serial No. 148,953, and in Great Britain July 9, 1925. 8 Claims. (Cl. 42—3.)



1. In a firearm, a receiver having internal locking abutments, a locking bolt movable longitudinally in said receiver and having peripheral locking abutments, said locking bolt being also rotatable to cause engagement of its locking abutments with the locking abutments of the receiver, said bolt also having a peripheral projection and said receiver having a cam groove cooperative with said projection to cause rotary movement of the bolt during a part of the longitudinal movement of the latter, means tending to move said locking bolt forwardly, a member longitudinally movable in said receiver and associated with said bolt, a spring associated with said member and said bolt and tending to move said member and bolt in opposite directions, said member and said bolt having interengaging means adapted, during the rearward movement of the bolt under the influence of a firing recoil and consequent rotary movement of the bolt by engagement of its projection with said cam groove, to move said member toward the rear end of said bolt and compress said spring and lock said member to said bolt and, when said bolt is moved forwardly, to unlock said member from said bolt and permit said spring to expand.

1,637,234. AUTOMATIC FIREARM. GEORGE NORMAN, Small Heath, Birmingham, England, assignor to The Birmingham Small Arms Company, Limited, Birmingham, England. Filed Nov. 17, 1926. Serial No. 148,954, and in Great Britain July 9, 1925. 11 Claims. (Cl. 42—3.)



1. In a firearm comprising a breech body, a breech bolt in said body having means adapted, when said bolt is partially rotated on its axis, to engage complemental means in the breech body for locking said bolt in closed position and a firing pin longitudinally movable in the breech body, a sear for holding said firing pin in cocked position and trigger for releasing said sear, means for simultaneously locking the breech bolt against rotation and the sear against release, said means comprising a rod extending longitudinally of the breech body and mounted to rock at a right angle to its length, said rod having portions movable, respectively, into and out of the path of rotary movement of the breech bolt and into and out of the path of movement of a part of the sear when the locking means of the breech bolt are in engagement with the locking means of the breech body and said rod is rocked in opposite directions, and means projecting exteriorly of the breech body adjacent the trigger for rocking said rod.

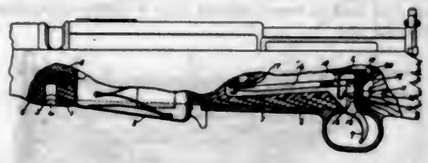
1,637,235. AUTOMATIC FIREARM. GEORGE NORMAN, Small Heath, Birmingham, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Filed Nov. 17, 1926, Serial No. 148,955, and in Great Britain July 9, 1925. 3 Claims. (Cl. 42—3.)



1. In an automatic fire-arm of the type herein referred to, comprising a breech body having an open rear end and interrupted threads in said end, a hollow breech bolt longitudinally slidable in said body, an end cap for the open end of the breech body having interrupted threads engageable with the interrupted threads in the body, and a return spring in the hollow breech bolt and having one end bearing against a portion of the bolt and its other end bearing against the cap, means whereby the return spring can be held or locked in compression within the hollow breech bolt, in order to facilitate the assembling and stripping of the parts of the gun, said means comprising internal lugs on the end cap and lugs formed on the outer end of the breech bolt, said latter lugs being adapted to engage with the former lugs, when

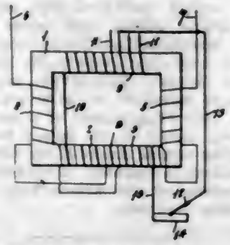
the said bolt is drawn to its rearward position and the end cap is turned to cause its interrupted threads to disengage from the interrupted threads in the breech body.

1,637,236. SMALL ARM. GEORGE NORMAN, Small Heath, Birmingham, England, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Filed Nov. 17, 1926, Serial No. 148,956, and in Great Britain July 9, 1925. 4 Claims. (Cl. 42—69.)



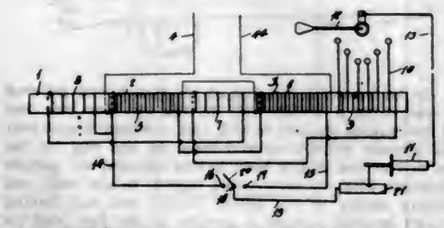
1. A trigger guard for small arms, comprising a plate having at its front end a hook formation, a projection carried by the underside of the breech body and engageable by said hook formation, said trigger guard having at its rear end a hook, a catch mounted on the underside of the breech body and engageable with the rear end of the trigger guard, and a trigger pivoted on said catch.

1,637,237. TRANSFORMER FOR ELECTRIC-ARC CUTTING AND WELDING APPARATUS. FREDERICK CARLISLE OWEN, Fayetteville, N. C. Filed Apr. 15, 1926. Serial No. 102,235. 7 Claims. (Cl. 171—119.)



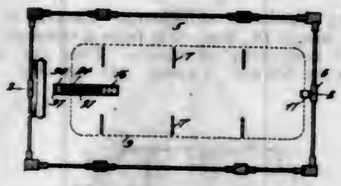
1. A transformer having a rectangular core providing but a single metallic magnetic path, a primary winding distributed around three adjacent legs of the core and having a reversed coil, and a secondary winding comprising two sections, one section being wound on the middle one of said three legs, and the other section being wound on the opposite or fourth leg of the core.

1,637,238. ELECTRICAL TRANSFORMER. FREDERICK CARLISLE OWEN, Fayetteville, N. C. Filed May 1, 1926. Serial No. 106,112. 2 Claims. (Cl. 171—119.)



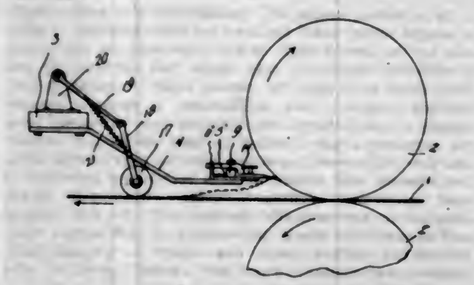
1. A transformer comprising a straight core providing an open magnetic circuit, a primary winding having coils arranged in spaced relation on the core, and a secondary winding having coils interlinked with the primary winding, a coil located between the coils of the primary winding, and coils located outwardly beyond the coils of the primary winding.

1,637,239. CASKET-RETAINING DEVICE FOR HEARSES. WILLIAM B. PARSELS, Pleasantville, N. J. Filed Oct. 1, 1926. Serial No. 138,930. 7 Claims. (Cl. 296—18.)



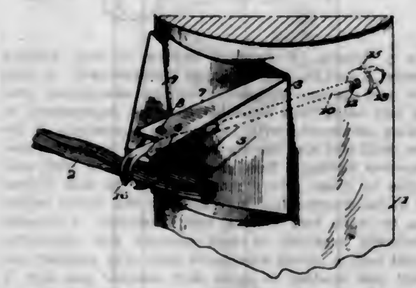
1. A hearse having panel posts, a casket retaining element in the front end of the hearse, a block, means for securing the block at the rear of the casket, and means on the block adjustable to embrace a part of the upper surface of a molding of the casket for clamping it in place.

1,637,240. METHOD AND MACHINE FOR MAKING PAPER. CHARLES V. PROCTOR, Biron, Wis. Filed Sept. 2, 1926. Serial No. 133,201. 4 Claims. (Cl. 92—38.)



1. In combination with a paper making machine having a web and rolls engaging said web, a support, a supporting arm projecting from said support, a cutter blade slidably and adjustably mounted on said supporting arm for contact with the periphery of said roll in a predetermined manner, a presser roller, and means movably and rotatably supporting said presser roller on said support for engagement with said web to press a paper strip into firm engagement with said web.

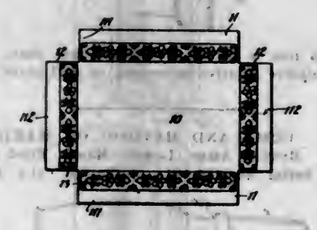
1,637,241. CABLE GUARD. IRVING E. QUIST, Warren, Minn. Filed Oct. 6, 1926. Serial No. 139,944. 4 Claims. (Cl. 256—55.)



1. A bracket for use in supporting a guard cable on a post comprising a body plate designed to snugly fit the post, converging side plates carried by said body and having a cable seat at their outer ends, and means for connecting said side plates.

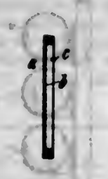
4. A bracket for use in supporting a guard cable on a post comprising a curved body plate designed to snugly fit the post, converging side plates integral with the body plate and tapering toward their outer ends, the outer ends of the side plates being formed with a cable seat, and integral wings formed on the upper and lower edges of the side plates, the wings of the opposed side plates overlapping and being secured together.

1,637,242. METHOD OF PRODUCING THE SHELLS OF METAL BOXES. ALFRED F. REILLY, Attleboro, Mass. Filed Nov. 29, 1926. Serial No. 151,493. 2 Claims. (Cl. 113—116.)



1. In a method of producing shells for vanity cases and similar articles, the steps of producing from sheet material a blank presenting panels along the edges thereof producing ornamental zones on said panels inward of the outer edges of the panels, removing the surplus material laterally outward of said ornamental zones and then bending up the said panels.

1,637,243. NONRESONANT DIAPHRAGM. EUGEN REISZ, Berlin-Dahlem, Germany. Filed Dec. 1, 1926, Serial No. 152,026, and in Germany Nov. 12, 1925. 6 Claims. (Cl. 179—122.)



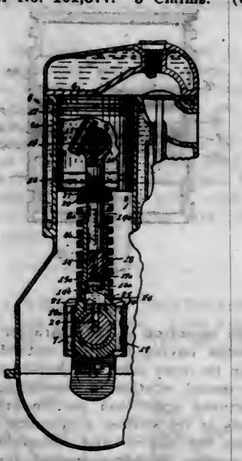
4. A non-resonant diaphragm, comprising a thin piece of elastic material having finely reduced conducting material secured to one face with the particles thereof disconnected from each other.

1,637,244. STOCKING AND THE MANUFACTURE THEREOF. ROBERT W. SCOTT, Babylon, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Jan. 14, 1925. Serial No. 2,407. 3 Claims. (Cl. 66—182.)

3. The mode herein described of knitting a stocking upon a circular knitting machine, said mode consisting in first producing the leg portion of the stocking by round-and-round knitting upon all of the needles, then putting out of action needles around one half of the machine and also a group of needles adjoining the same at each side of the machine, then producing the heel by to-and-fro knitting and narrowing and widening upon the remaining restricted segment of needles, then reintroducing the needles originally put out of action and producing the foot web by round-and-round knitting, then putting out of action needles around one half of the machine as before, and then producing the toe by to-and-fro knitting and narrowing and widening upon the remaining half of the needles.



1,637,245. IMPULSE EQUALIZER FOR INTERNAL-COMBUSTION ENGINES. GEORGE H. SCULLY, Los Angeles, Calif., assignor of one-third to Charles O. Middleton, sr., Beverly Hills, Calif. Filed Apr. 12, 1926. Serial No. 101,377. 5 Claims. (Cl. 123—78.)

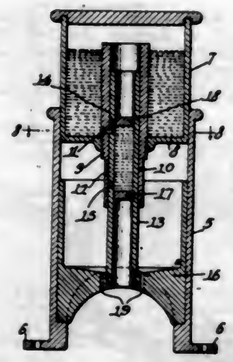


1. In an internal combustion engine, a crank, a piston, a fluid conveying connecting rod connecting said crank and piston; said rod comprising relatively movable parts providing a pumping chamber therebetween, and means whereby a sudden thrust imposed on said piston will cause said rod to pump oil through the rod to lubricate the piston.

1,637,246. EXTERMINATOR. ELLICK J. SEAVER, Beloit, Wis. Filed Sept. 11, 1926. Serial No. 134,858. 2 Claims. (Cl. 43—131.)

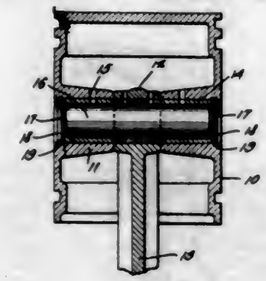
1. In a device of the character described, a body portion, a tank mounted in the upper portion of the body portion, a movable tank under the first mentioned tank,

a measuring pipe carried by the movable tank and adapted to receive material from the first mentioned tank,



said pipe adapted to deposit material into the movable tank, and said movable tank having openings to permit material to discharge therefrom.

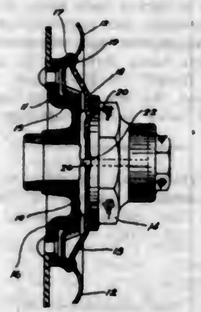
1,637,247. PISTON PIN. CALEB H. SNYDER, Winnsboro, La. Filed Oct. 26, 1925, Serial No. 64,884. Renewed June 13, 1927. 1 Claim. (Cl. 74—108.)



A wrist pin mounting of the character described comprising a piston having inwardly extending sleeves arranged within its inner sides and having their inner ends arranged in spaced relation, a connecting rod having a circular apertured upper end portion arranged between the inner ends of the sleeves, a plurality of bushings arranged within the sleeves and connecting rod and including registering oil ports therein for receiving the splashed oil, a pair of disks arranged at the opposite ends of the wrist pin within the bores of the sleeves, and split rings arranged immediately in advance of the disks for preventing their accidental displacement within the sleeve bores whereby the wrist pin will be floated within a bath of oil and preventing its end play whereby the cylinder walls of a motor may not be scored.

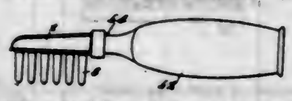
1,637,248. LOCKING MECHANISM. JOHN W. WHITE, Buffalo, N. Y. Filed Nov. 24, 1922. Serial No. 603,078. 3 Claims. (Cl. 301—9.)

3. Locking mechanism for connecting the disc of a disc wheel to the hub thereof comprising an annular plate and a nut on said hub contacting with said plate, means for holding said plate against rotation on said hub, comprising a tongue on said plate and a keyway in said hub with which said tongue engages and means functioning



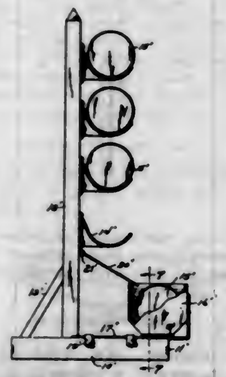
when said nut is tightened against said plate for preventing relative rotative movement of said plate and said nut.

1,637,249. COMB AND METHOD OF MAKING THE SAME. BUTLER AMES, Lowell, Mass. Filed Sept. 15, 1926. Serial No. 135,561. 8 Claims. (Cl. 132—13.)



1. A comb comprising a body portion divided longitudinally, a series of hollow teeth secured to one of said portions, a spring pressed valve mounted in each tooth independently of said body, each hollow tooth having a rib near its base constituting an exterior shoulder abutting against the body section and an abutment for the spring held by the interior of said rib in each tooth.

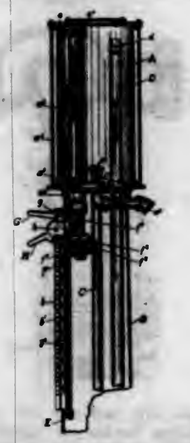
1,637,250. GRAIN SPROUTER. CHARLES W. ARHINO, Laurel, Iowa. Filed Aug. 7, 1925. Serial No. 48,891. 7 Claims. (Cl. 47—14.)



2. In a grain sprouter comprising supporting bases, standards carried upon the upper sides thereof, supporting brackets arranged upon the standards, sprouting receptacles carried by the brackets, and a soaking tray carried by the supporting bases.

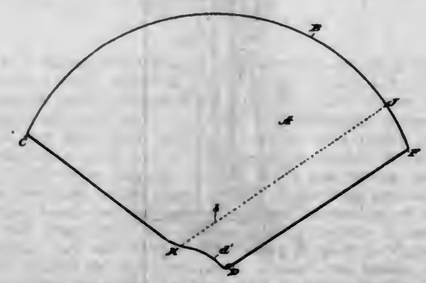
7. A grain sprouter of the character described comprising supporting bases, standards carried thereby, a plurality of companion arcuate shaped brackets arranged at spaced intervals and upon the forward sides of the standards, a multiplicity of perforated sprouting drums carried by the brackets, removable cover caps for the drums, a soaking tray supported upon the upper sides of the bases, angular supporting strips carried upon the bases slidably mounting the soaking tray thereon, and a drip plate hingedly secured to the forward sides of the bases and having its lower edge extended within the soaking tray at an inclination with respect to the adjusted position of the soaking tray.

1,637,251. LIQUID MEASURING AND DISPENSING APPARATUS. LINNAEUS E. BAKER, Fort Wayne, Ind., assignor to Wayne Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Jan. 5, 1926. Serial No. 79,338. 4 Claims. (Cl. 221—100.)



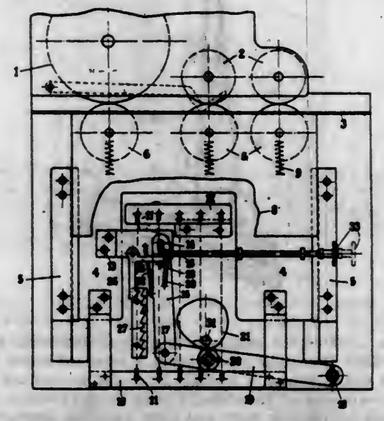
1. In combination with a liquid measuring and dispensing apparatus having an elevated container, means for supplying liquid to said container, a vertically slidable serve-tube whose upper end communicates with said container, stop means for setting the vertical height of said serve-tube from time to time before serving liquid from said container, and a serve-valve to control the flow of liquid dispensed; a lever to control said setting-means, a lever to open said serve-valve, and co-acting means on said levers adapted to so interlock them that the lever which opens the serve-valve can function only when the setting-means is set in a position to serve liquid and so that when in this position and the serve-valve open the setting-lever can not be shifted to change the position of the setting-means.

1,637,252. BLANK FOR CONICAL VESSELS. CECIL F. DAWSON, Easton, Pa., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1924. Serial No. 691,705. 2 Claims. (Cl. 229—1.5.)



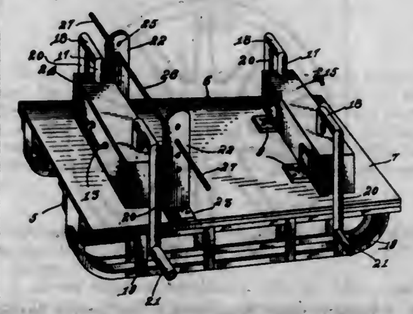
1. A blank for forming conical vessels, said blank having an arcuately curved edge and two substantially straight edges intersecting each other and said curved edge, the radial center of said curved edge lying within the blank, said substantially straight edges making substantially equal angles with radii to their respective points of intersection with the curved edge, and one of said substantially straight edges having an inward bend near and extending to the point of intersection of said edges, the blank being adapted to be bent to conical form about the radial center of the curved edge thereof as the central point of bending.

1,637,253. MECHANISM FOR FEEDING LETTERS OR OTHER MAIL TO PREPAYMENT MACHINES. WILHELM FRIEDRICHS, Berlin, Germany. Filed Apr. 10, 1924, Serial No. 705,641, and in Germany Apr. 19, 1923. 5 Claims. (Cl. 271—62.)



2. Mechanism for feeding mail matter to a pre-payment machine, comprising stamping means, a vertically reciprocable table beneath said stamping means, a pull rod for moving said table downwardly, and means for moving said table upwardly, the upward travel being limited in accordance with the thickness of the matter to be fed, a pawl on said table, a rack fixed relative to the main frame of the machine, and means forcing said pawl into engagement with said rack when said table reaches its upper limit for locking said table against further upward travel.

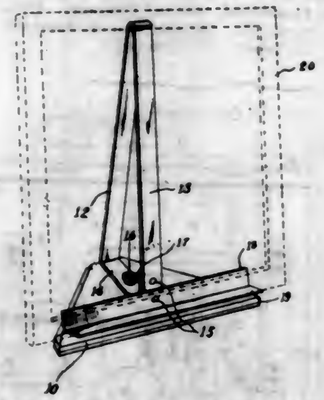
1,637,254. BOLL-WEEVIL EXTERMINATOR. ETIENE FRANK GOMEZ, New Orleans, La. Filed June 20, 1924. Serial No. 721,334. 3 Claims. (Cl. 43—127.)



1. A boll weevil exterminating machine comprising a metallic table, runners for supporting said table, a series of hollow chambers arranged upon the table at points adjacent the opposite ends thereof, ovens slidably mount-

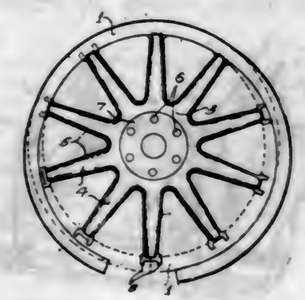
ed within said chambers, fume distributing pipes carried by each of said chambers and having the inlet ends thereof communicating with the ovens and the discharge ends thereof arranged beyond the opposite longitudinal edges of the table, and means interposed between said chambers for removing from the plants the insects.

1,637,255. EASEL. NOAH ELLSWORTH HARRIS, Dickinson, N. Dak. Filed Sept. 20, 1926. Serial No. 136,638. 1 Claim. (Cl. 40—146.)



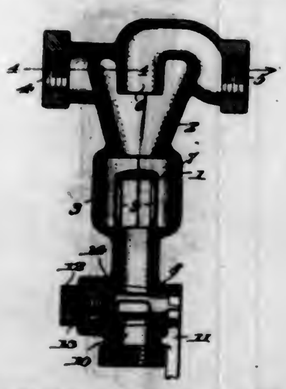
An easel of the character described comprising a substantially triangular shaped base, a standard rising therefrom and including a straight limb and an inclined limb, the lower end of the straight limb being extended transversely across the base and then extended upwardly at a point rearwardly of the forward edge of the base and against the inclined limb, fastening means connecting the adjacent ends of the limbs together, and an angle bar reposing on the base immediately in advance of the inclined limb and secured to the latter by the same means which connect the ends of the limbs together, the horizontal flange of said angle bar being inclined upwardly from its point of connection with the base for the purpose specified.

1,637,256. STEEL VEHICLE WHEEL. AMES ROWLES JAYNE, Chicago, Ill., assignor to American Steel Wheel Corporation, Chicago, Ill., a Corporation of Illinois. Filed Mar. 21, 1925. Serial No. 17,248. 5 Claims. (Cl. 301—67.)



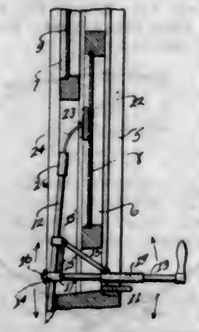
3. A metallic wheel comprising a rim section having a single line of elongated apertures around its circumference, a pair of abutting wheel-halves having radial spoke portions, each spoke portion of each wheel-half being provided at its outer end with a pair of elongated projecting lugs spaced apart the width of the outer end thereof and which extend through said elongated apertures of the rim section, each of said elongated apertures being sufficiently wide transversely to receive a pair of contacting lugs, one on each wheel-half, the free ends of said lugs of opposite wheel-halves being bent oppositely to each other upon the outer side of the rim section to clamp the rim section and wheel-halves together.

1,637,257. CENTRIFUGAL DIRT COLLECTOR. SYLVESTER L. JOINER, McGregor, Tex. Filed Apr. 7, 1926. Serial No. 100,465. 3 Claims. (Cl. 183—82.)



1. A centrifugal dirt collector for air brake systems comprising a casing having an upper dust separating chamber and a lower dust collecting chamber provided at the bottom with a central tubular outlet forming a discharge opening for the dust, a drain cock for controlling the discharge of the dust through the said outlet, and a substantially horizontal deflecting guard located in the upper portion of the dust collecting chamber below the mouth or inlet opening of the same and being of greater diameter than the mouth or inlet and provided with supporting means located beyond and out of line with the discharge opening so as not to obstruct with the free passage of the dust and dirt into the same, said guard permitting the dust to be discharged from the dust collecting chamber without removing the guard therefrom.

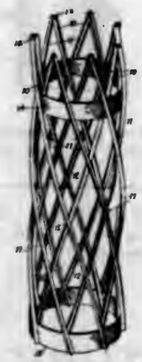
1,637,258. WINDOW-CLEANING DEVICE. WILLIAM ISIRO KATOW, Los Angeles, Calif. Filed Feb. 26, 1926. Serial No. 90,866. 1 Claim. (Cl. 15—220.)



In a device of the character described, a bar, an implement secured to said bar and contacting with the surface of a window, said implement comprising a plate, a

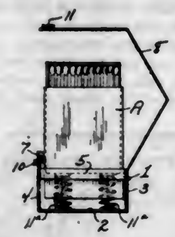
wiping element secured thereto, a lever pivoted to said bar, a handle secured to said lever, a tubular member slidable on said lever, a collar surrounding said bar, a link interposed between said collar and said tubular member, and a second link between said collar and the lever connected at one end to the pivotal connection of said bar and said lever.

1,637,259. METAL POLE. ADOLPH W. MALONE, Fillmore, Utah, assignor of one-third to Albert H. Vestal, Anderson, Ind., and one-third to Alvah M. Lockwood, Houston, Tex. Filed June 2, 1927. Serial No. 196,111. 5 Claims. (Cl. 189—24.)



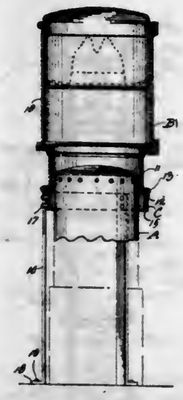
1. A post formed of two groups of spirally disposed members, one group wound right hand and the other group wound left hand, each member having legs whose edges are connected with the edges of the corresponding legs of the other members at crossing points, substantially as set forth.

1,637,260. MATCH-BOX HOLDER. CARL MARCH, Chicago, Ill. Filed Sept. 8, 1926. Serial No. 134,316. 2 Claims. (Cl. 206—31.)



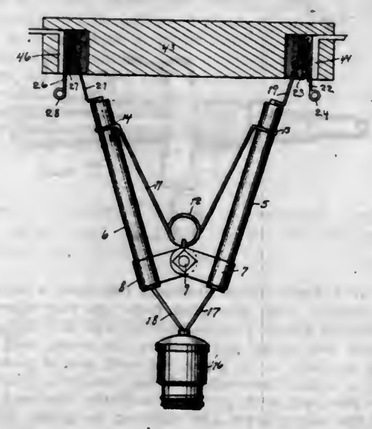
1. A match box holder of the character described comprising a body, including end walls, one of said end walls being of greater length than the other, guide means between said end walls, a match box interposed between said end walls and said guide means, said match box including a cover and a slidable match carrier therefor, a flexible strip covering the end walls and bottom with one end fixed to the upper portion of the long end wall, spring means between said bottom and the bottom of the carrier respectively for arranging said carrier to open position and said flexible strip being adapted to engage said carrier to retain the same against the tension of the spring in closed position, and fastening means for said flexible strip which when unfastened allows the spring means to eject the carrier to open position.

1,637,261. SUPPORTING MEANS FOR DRY ROOMS. SPIROS C. MARKATOS, New York, N. Y. Filed Feb. 18, 1926. Serial No. 89,204. 4 Claims. (Cl. 34—26.)



1. An attachment for steam boilers comprising a drying chamber arranged above and in axial alignment with the boiler and having a portion encircling and enclosing the boiler, and means for supporting the chamber from the floor and independent of the boiler.

1,637,262. ELECTRICAL APPARATUS. JOHN C. MARSHALL, San Francisco, Calif. Filed Jan. 2, 1926. Serial No. 79,002. 2 Claims. (Cl. 173—328.)

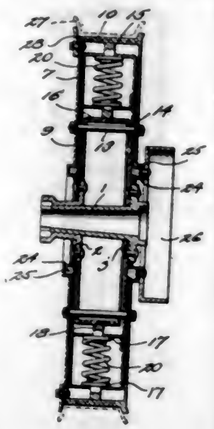


1. In an apparatus of the character described, a pair of pivoted handles, a terminal positioned on each of said handles, a contact member pivoted to each of said terminals, a spring interposed between each of said terminals and said contact members, and means for conducting current from said terminals through said handles to a remote point.

1,637,263. SPRING WHEEL. GEORGE H. MARTIN, Warm Springs, Mont. Filed May 1, 1926. Serial No. 106,067. 2 Claims. (Cl. 152—38.)

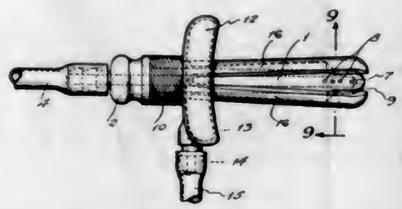
1. A spring wheel comprising a hub, an inner casing carried thereby, an outer casing, the casings having relative movement circumferentially, a ring located within the inner casing, means for fastening the ring to the outer casing, an outer row of members removably carried by the inner casing and engaging the inner circumference

of the outer casing, an inner row of movable members carried by the inner casing and engaging the outer circumference of the ring and a coiled spring arranged be-



tween each pair of members, said springs acting to resiliently space radially therefrom the respective flanges of the inner casing.

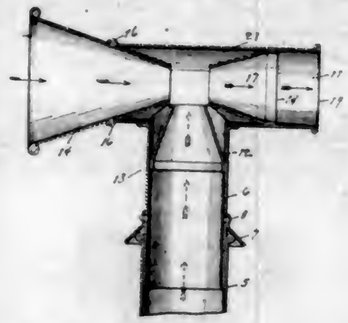
1,637,264. SYRINGE. JACOB MASONICK, GUSTAV STUEBNER, and JOHN STUEBNER, Chicago, Ill.; said Masonick assignor to said Gustav Stuebner. Filed Nov. 6, 1925. Serial No. 67,331. 3 Claims. (Cl. 128—242.)



1. In a device of the character described, a collar having resilient arms extending from one end thereof and disposed in spaced parallel relation, and a nozzle slidable through the collar and between the arms, said nozzle being provided at its inner end with spaced grooves extending longitudinally thereof, the arms being provided at their free ends with inwardly projecting elements engaging into said grooves and disposed to spread the arms apart when the head of the nozzle is positioned between the free end portions of said arms.

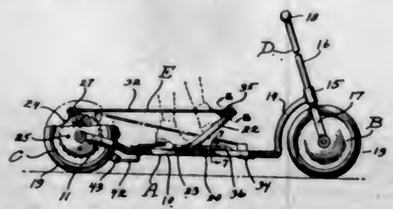
1,637,265. SUCTION HEAD. FRANK MASSON, San Francisco, Calif. Filed May 24, 1926. Serial No. 111,359. 1 Claim. (Cl. 98—78.)

In a device of the character described, a vertically disposed pipe, a horizontally disposed pipe secured thereto and communicating therewith, a funnel shaped member secured to one end of said horizontal pipe, the large end of said funnel being of a greater diameter than the diameter of said horizontal pipe, and having its small end of less diameter than the diameter of the horizontal pipe, a funnel shaped member disposed within said horizontal pipe, the small end of second said mentioned funnel member being of the same diameter as the small end of said first mentioned funnel and in axial alignment therewith, and a third funnel positioned within said vertically disposed pipe and having its small end positioned adjacent the small ends of said first mentioned funnel and



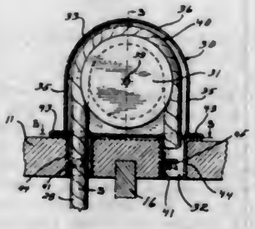
in such a manner that gases passing therethrough will pass between the small ends of said first mentioned funnel.

1,637,266. CHILD'S VEHICLE. JAMES A. MAXSON, Picher, Okla. Filed Nov. 4, 1926. Serial No. 146,228. 5 Claims. (Cl. 208—35.)



1. A child's vehicle comprising a frame embodying a platform having a way extending longitudinally at one side of the platform, steering and drive wheels mounted respectively and in alignment forwardly and rearwardly of the platform, a treadle hingedly connected at its rear end to the platform at the rear end of said way, a guard strip extending longitudinally of the platform at the inner edge of said way, a draw rod connected at its forward end to the treadle and extending rearwardly therefrom at the longitudinal center of the platform, and ratchet means connecting the rear end of the rod with the drive wheel for forward turning of the wheel upon depressing of the treadle.

1,637,267. SASH PULLEY. CLARENCE E. MCCALL, St. Augustine, Fla. Filed Apr. 12, 1926. Serial No. 101,524. 7 Claims. (Cl. 16—215.)



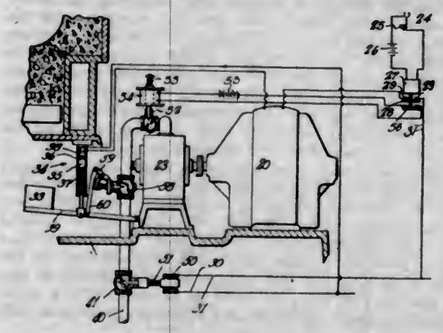
1. A sash pulley comprising a sheet metal hood having an integral outturned marginal flange at the lower end thereof, a sheave rotatably mounted in the hood, and a separate sheet metal anchoring section clamped to the outturned flange at each end of the hood and each embodying a depending sash cord receiving tubular section arranged below the outturned flanges.

1,637,268. EXPANSIVE DRILL BIT FOR CABLE TOOLS AND THE LIKE. JESSE PERKINS MILLER, Houma, La., assignor of one-half to J. H. Thatcher, Houma, La. Filed Aug. 5, 1922. Serial No. 579,851. 19 Claims. (Cl. 255—75.)



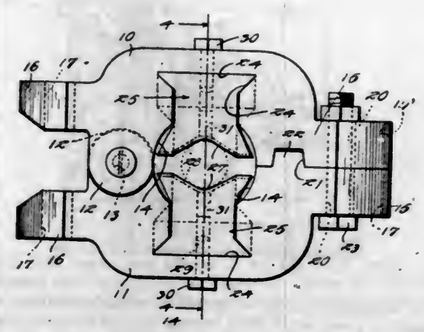
1. In drilling apparatus, a drill having expansive elements, and means for expanding said elements step by step to a permanent operative position by a series of up and down motions imparted to the drill.

1,637,269. OIL-BURNING FURNACE. FRANKLIN G. NEAL, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed June 3, 1924. Serial No. 717,646. 3 Claims. (Cl. 158—28.)



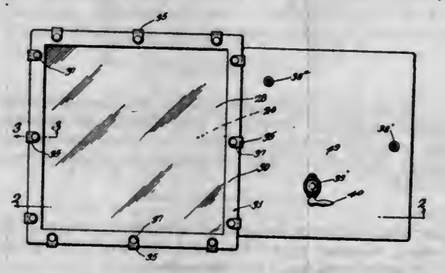
1. The combination with a power operated oil burner, of a normal and an independent driving means therefor, controlling means for both said driving means but normally effective only to start and stop said normal driving means, and means operable on failure of said normal driving means to render the independent driving means effective to be controlled by said controlling means whereby it is effective to operate the burner.

1,637,270. ELEVATOR FOR OIL-WELL DRILLING STEMS. KENNETH DONLEY NEELY, Rising Star, Tex. Filed Mar. 5, 1927. Serial No. 173,130. 1 Claim. (Cl. 294—90.)



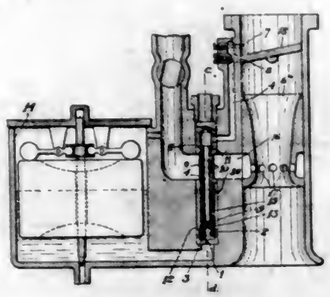
In a clamp of the character described, a pair of clamp sections having projecting from the adjacent faces thereof interdigitating lugs through which a pivot is passed, adjacent faces of the sections having vertically extending grooves for the reception of a drill stem, the ends of the body of the sections of the clamp having extensions, the extension adjacent the pivot being offset from the pivot to enable the sections of the clamp to be swung to open position, the extension at the opposite end of one of the sections having a vertically extending rib and the corresponding extension of the other of the sections having a groove, a securing element extended through the last named extensions for forcing the rib into the groove to thereby retain the sections against transverse movement which would apply strain to the pivot, there being dove tail grooves in the walls of the semi-circular grooves of the sections, slips mounted in said dove tail grooves and projecting into the semi-circular grooves and a threaded element extended through the wall of each section and having its inner end extended into a slot formed in the associated slip to thereby limit vertical movement of the slip in the groove.

1,637,271. CASKET. ALFRED H. NIEMEYER, Chicago, Ill. Filed Apr. 23, 1926. Serial No. 104,152. 3 Claims. (Cl. 27—6.)



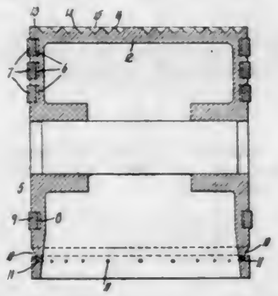
1. The combination with a casket shell, of sectional covers for the shell, a vacuum body receiving box confined in the casket shell, said box including at its head portion a slight opening, and a closure frame for the sight opening, said frame including supporting seats defined by wall portions of the box, transparent sheet compressible gasket disposed on opposite sides along the peripheral edges of the transparent sheet, a cap ring having inturned flanges disposed over one of the gaskets, and a sealing material between the other of the gaskets and the supporting seats.

1,637,272. CARBURETOR. AUGUST LEANDER NILSSON, Sodertalje, Sweden. Filed Mar. 8, 1923, Serial No. 623,789, and in Sweden Mar. 4, 1922. 1 Claim. (Cl. 261—41.)



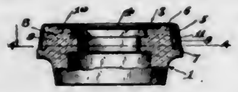
In a carburetor, in combination, a casing having an induction tube, an air duct leading to said induction tube and a well, means having a calibrated orifice at the bottom of said well, a fuel supply duct leading to said orifice, a sleeve within said well forming a chamber at the bottom thereof for which the orifice is an inlet and having a restriction within its bore, said restriction admitting fuel from said chamber to said sleeve, a second sleeve around said first sleeve and spaced to provide a normal fuel passage between said sleeves, an outlet from said chamber to said normal fuel passage, ports in said second sleeve communicating with said air duct, a port leading from said air duct to said first sleeve, and a duct leading from said sleeve to said induction tube.

1,637,273. PISTON. JOHN F. NORTON, Mattapan, Mass. Filed Feb. 7, 1923. Serial No. 617,474. 2 Claims. (Cl. 74—108.)



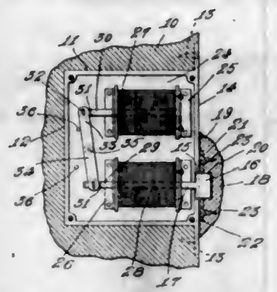
1. A piston for high-speed internal combustion gasoline engines embodying therein a closed end wall provided with a spiral corrugation upon the outer end surface thereof, the width of said corrugation being greater than its depth.

1,637,274. FUSE-PLUG-CAP ASSEMBLY. NORMAN W. NUTT, Trenton, N. J. Filed Jan. 25, 1927. Serial No. 163,468. 7 Claims. (Cl. 200—130.)



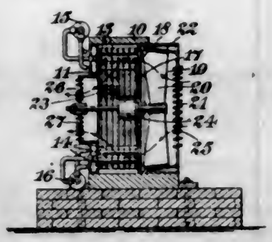
1. In a fuse plug cap assembly an insulating fuse plug body having a tapered extremity and an annular shoulder at the point of largest diameter of said extremity, said tapered extremity being serrated.

1,637,275. DOOR LOCK. VICTOR PETERSON, Chicago, Ill. Filed Nov. 22, 1926. Serial No. 150,014. 8 Claims. (Cl. 70—50.)



1. In combination, a keeper plate, two members movable relatively to each other, pivotally supported means for operative connection to corresponding end portions of said members, one of said members being adapted for latched engagement with the keeper plate, means for moving said members, and remote means for controlling operation of said moving means.

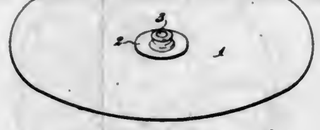
1,637,276. HEAT-EXCHANGING APPARATUS. JOHN FORGAN-POTTS, Brussels, Belgium. Filed Aug. 8, 1925, Serial No. 49,075, and in Belgium Aug. 18, 1924. 2 Claims. (Cl. 257—259.)



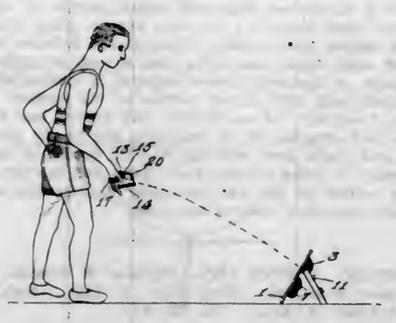
1. In heat-exchanging apparatus the combination of a casing, a bank of circularly-bent tubes disposed in a cylindrical formation therein and occupying a circumferential space betwen the internal periphery of the casing and the internal periphery of the bank of tubes, which casing has at one end a wall having an annular opening that registers with one end of said circumferential space, and at the other end a wall that closes the other end of the said circumferential space and has an outlet registering with said bank of tubes, a fan of the propeller or axial-flow type situated at the first end wall outside the casing, a second casing which surrounds said fan and is conical about the axis of rotation of the fan and is arranged to direct a whirling current of air delivered by the fan through the said annular opening to said circumferential space, and heat-transmitting vanes provided on said tubes and inclined each to the axis of its tube and also inclined to the longitudinal axis of the bank of tubes so as to lie in substantially spiral formation about the latter axis, substantially as described.

1,637,277. ACCESSORY FOR USE IN CONNECTION WITH HAIR WAVING OR CURLING APPLIANCES. BÉLA MAXIMILIAN RAY, London, England. Filed Jan. 14, 1927, Serial No. 161,139, and in Great Britain Dec. 17, 1926. 3 Claims. (Cl. 132—36.1.)

1. An accessory for use in connection with hair-waving and curling appliances comprising a flexible body portion having a central nipple portion for receiving a tress of hair, means for compressing said nipple about the tress of hair, said flexible body portion being adapted to surround and completely encase the end of a curling or waving appliance for the tress of hair and means for holding said flexible body portion about the end of the appliance.



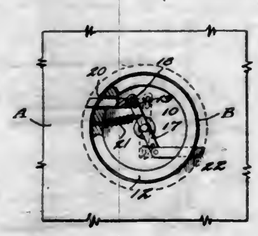
1,637,278. GAME. GEORGE H. RENS, Newark, N. J. Filed Oct. 29, 1926. Serial No. 145,042. 1 Claim. (Cl. 273—107.)



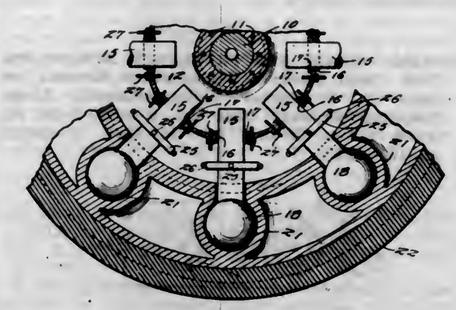
A holding means in which a sphere is to be received and from which the sphere is to be manually projected, said means including a cylindrical body having an elongated lip extension, the outer edges of the body at the opposite sides of the lip being flanged outwardly, the rear of the body being closed and having spaced slots therethrough, an endless elastic band passing through the slots and compressible members on the inner and outer faces of the body and said band designed to clamp the body on the hand or foot of a player who projects the sphere.

1,637,279. GASOLINE-TANK-CAP LOCK. CHARLES A. ROBERTS, Butte, Mont. Filed May 12, 1926. Serial No. 108,658. 1 Claim. (Cl. 220—57.)

A closure cap for a tank opening, the opening having an upstanding flange thereabout, comprising a body member of circular form having a depending inner flange portion adapted to be telescopically engaged within the filling opening and having an outer depending flange portion concentric with and spaced from the inner flange portion and adapted to telescopically engage about said first named flange, said inner flange having transverse guide openings therethrough, latch bolts slidably mounted through said openings and having their outer ends normally projecting beyond the first named flange and beveled at their lower sides, a bearing member located at the center of the cap, a cylindrical member rotatably mounted within said bearing member, an arm secured to said cylindrical member and having its ends formed with elongated slots, pins carried by said latch members and slidably received within said slots, a spring connected with said arm and normally holding the same in position with said latch bars extended, key operated means for rotating said cylindrical member, and means for limiting the rotation of said cylindrical member in both directions.



1,637,280. PUNCTUREPROOF CUSHION WHEEL. MARCEL A. ROBIN, Port-au-Prince, Haiti. Filed May 15, 1926. Serial No. 109,333. 3 Claims. Cl. 152—46.)



2. A wheel of the character described comprising a nondeformable air reservoir, pistons coacting therewith, means forming hermetic joints between the pistons and the reservoir, a felly carried by the pistons, abutment means on the reservoir, and a collar adjustable on each piston relatively to the abutment means for the purpose set forth.

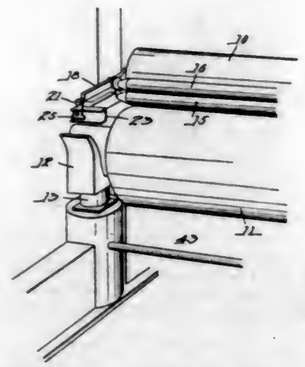
1,637,281. PRODUCTION OF COBALTOUS ACETATE. HERMANN SCHATZ, Schwanheim-on-the-Main, Germany, assignor to the Firm I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Oct. 28, 1926, Serial No. 144,920, and in Germany Nov. 27, 1925. 4 Claims. (Cl. 260—11.)

1. Process of producing cobaltous acetate from cobaltic hydroxid, consisting in heating cobaltic hydroxid with acetic acid in presence of a reducing agent in a closed vessel to a temperature above the boiling point of the solvent acetic acid.

1,637,282. PRESSURE-RELIEVING MEANS FOR HYDRAULIC CALENDERS. CARL SCHLATTER, Webster, Mass., assignor to S. Slater & Sons, Incorporated, Webster, Mass., a Corporation of Massachusetts. Filed Mar. 16, 1927. Serial No. 175,902. 14 Claims. (Cl. 26—39.)

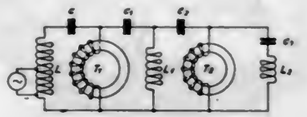
1. In a machine for calendering textile goods, the combination with a pair of calender rolls and hydraulic rams for pressing one roll toward the other, of a detector

in advance of the rolls, a low pressure cylinder, a piston therein, yielding means for holding the piston in opposition to liquid in the cylinder, and means operated by said



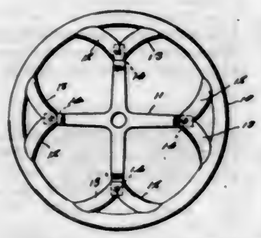
detector for controlling the flow of liquid from the hydraulic rams into said cylinder, whereby when the liquid from the source of pressure is cut off, the rolls will be capable of yielding.

1,637,283. MEANS FOR FREQUENCY MULTIPLICATION. KARL SCHMIDT, Berlin-Sudende, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Filed Mar. 9, 1925, Serial No. 14,259, and in Germany Feb. 15, 1924. 2 Claims. (Cl. 172—281.)



2. In a high frequency multiplication system of the character described for changing a fundamental frequency into another higher frequency comprising in combination an iron-cored frequency transformer having its input circuit fed by said fundamental frequency, a second frequency transformer having a multiplication ratio relatively small with respect to that of the first frequency transformer and means for coupling the output circuit of the first transformer with said input circuit of said second transformer.

1,637,284. STEERING WHEEL. GUSTAVE M. SCHWIERMAN, Detroit, Mich. Filed Feb. 11, 1925. Serial No. 8,548. 1 Claim. (Cl. 74—33.)



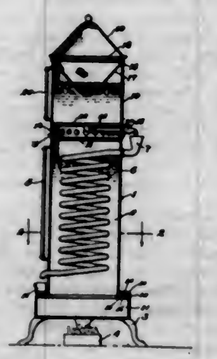
A steering wheel of the character described, including a rim, and radially extending spokes within the rim, converging hand holds extending inwardly from the rim and secured to the outer end of the spokes at the point of juncture of said hand holds.

1,637,285. BLISTER PREVENTIVE AND FOOT PAD. FRANK SHEEHAN, Ithaca, N. Y. Filed Mar. 19, 1924. Serial No. 700,321. 2 Claims. (Cl. 128—166.)



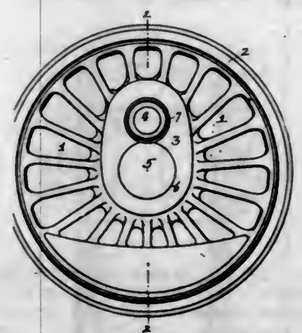
1. A device for preventing the formation or irritation of a blister on the tender central portion of the forward tread of the foot, comprising an elastic band of such size and tension as to encase the ball portion of the foot and prevent spreading of the heads of the metatarsal bones so that the forward part of the transverse arch of the foot is maintained with said central portion of the forward tread raised and protected against being contacted and rubbed with pressure when a shoe is worn on the foot, said elastic band being free of pads or projections capable of applying pressure against or causing rubbing contact with said central portion of the forward tread, and a soft mit for covering the ball portion and toes of the foot attached at its rear open end to the rear end of said elastic band, the ball covering portion of the mit forming a lining for the elastic band, and the toe covering portion of the mit preventing displacement of the band rearwardly towards the instep.

1,637,286. COFFEE URN. THOMAS W. TURNER, Newport News, Va. Filed Sept. 1, 1926. Serial No. 133,053. 2 Claims. (Cl. 53—3.)



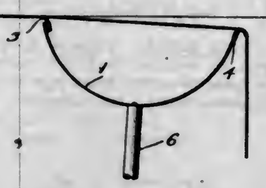
1. In a coffee urn, a heating chamber, a coil therein, a coffee reservoir supported upon the said chamber, an air ventilated chamber between the heating chamber and the reservoir, and means mounted in the air ventilated chamber for delivering coffee from the reservoir to the coil.

1,637,287. DRIVING WHEEL FOR LOCOMOTIVES, ETC. SAMUEL M. VAUCLAIN, Rosemont, Pa. Filed June 16, 1927. Serial No. 199,319. 2 Claims. (Cl. 295—2.)



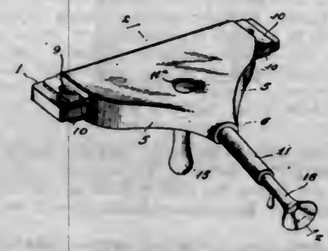
1. The combination in a driving wheel for locomotives, etc., of a hub in which are openings for the axle and the driving pin, the openings being connected; an axle and a driving pin driven into the respective openings and engaging one with the other.

1,637,288. WALL-PAPERING DEVICE. BRUCE D. WOOLLEY, Johnstown, Ohio. Filed Dec. 31, 1926. Serial No. 158,273. 2 Claims. (Cl. 216—7.)



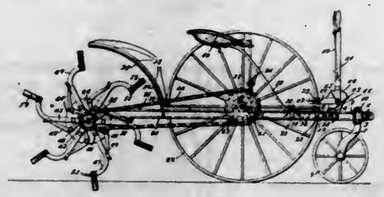
1. A paper hanger's tool of the character described comprising a handle, an elongated body formed of resilient material arranged in U-shaped configuration, a clamp secured to one end of said body, flexible material secured in said clamp, an arm formed in substantially inverted channel shaped formation and fixed to the opposite end of said body.

1,637,289. HARMONICA. WILLIAM BENJAMIN YATES, Ventura, Calif. Filed Oct. 22, 1924. Serial No. 745,219. 3 Claims. (Cl. 84—379.)



1. A device of the class described, comprising a substantially triangular shaped casing including a top, a bottom, and a pair of side walls, means for supporting a harmonica between said top and bottom at one side of the casing, a tubular member secured to and extending from the casing and having an enlarged portion, a rotatable handle having a hollow closed end extending through the top, the bottom, and said enlarged portion, and having a transverse passageway therethrough for alinement with said tubular member, the turning the handle operating to vary the extent of communication between the casing and the tubular member, and a second tubular member open at both ends and telescopically mounted within said first mentioned tubular member.

1,637,290. SOIL-BREAKING MACHINE. JOHN A. AYERS, Lima, Ohio. Filed Dec. 13, 1926. Serial No. 154,525. 4 Claims. (Cl. 97—216.)

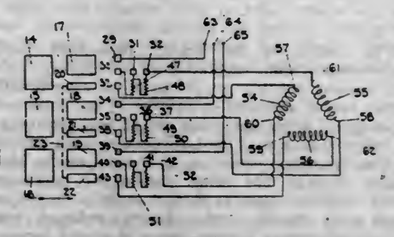


1. In a soil breaking machine a bodily revoluble ground breaking element comprising a hub provided intermediate its ends with an annular flange, a series of radially disposed shanks each pivotally connected at a point removed from its inner end to said flange, a bow shaped spring fixedly secured at a point between its transverse median and its inner end to said flange and having each of its ends bearing against a shank inwardly and outwardly with respect to the shank pivot, and a ground breaker member secured to the outer end of each shank.

1,637,291. METHOD OF PRODUCING GEM MATERIALS. LEON H. BARNETT, New York, N. Y. Filed Oct. 6, 1923. Serial No. 667,057. 10 Claims. (Cl. 23—209.)

1. The improvement in the method of producing gem materials by high pressure which comprises melting an iron having a composition which would cause it to expand during cooling providing for the presence within the molten iron of a material which changes its character when subjected to high pressure, confining the molten iron within a rigid shell not of appreciably greater capacity than that occupied by such iron just previous to solidification and then slowly cooling such iron, substantially as and for the purpose described.

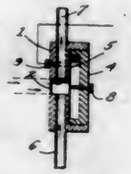
1,637,292. METHOD OF STARTING INDUCTION MOTORS AND APPARATUS THEREFOR. HELIER OSWALD BREE, Auckland, New Zealand. Filed July 15, 1926, Serial No. 122,655, and in New Zealand Aug. 19, 1925. 3 Claims. (Cl. 172—274.)



1. In combination with a polyphase alternating current motor, a source of current, a starter comprising limiting resistances, and means for connecting the stator windings

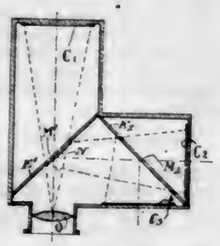
of said motor in "star" to said source of current supply and simultaneously inserting said limiting resistances in series with each of said windings, removing said resistances from said "star" connection, then connecting the stator windings of said motor in "delta" to said source of current supply and simultaneously inserting said limiting resistances in series with each of said stator windings, and then removing said resistances from said "delta" connection to permit the motor to run in straight "delta."

1,637,293. PHOTO-ELECTRIC CELL. MELCHOR CENTENO V., Caracas, Venezuela. Filed Nov. 6, 1926. Serial No. 146,794. 6 Claims. (Cl. 179—171.)



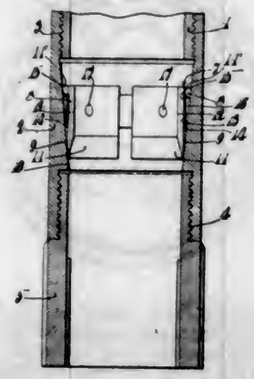
1. A photo-electric cell comprising a closed acid-proof chamber with a transparent opening therein, a microphone in the path of transmitted light, a current of hydrogen and chlorine passed through the chamber, and means for admitting intermittent light rays through the opening.

1,637,294. APPARATUS FOR OBTAINING THREE-COLOR PHOTOGRAPHS. GILBERT CUENIN, Paris, France, assignor to Compagnie Internationale Trichromia, Paris, France, a Corporation of France. Filed Dec. 26, 1923, Serial No. 682,784, and in France Dec. 27, 1922. 5 Claims. (Cl. 95—2.)



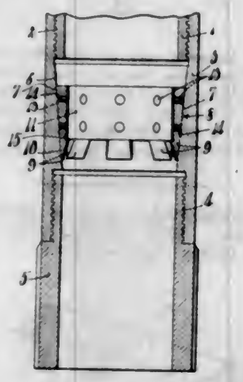
1. In apparatus for taking three-color negatives simultaneously, the combination of an objective, a pair of color screens meeting at an angle of substantially 90 degrees and so arranged in advance of the objective that the emergent beam falls upon one of said screens, means for positioning a sensitized element in such relation to the last mentioned screen as to directly receive the rays passing through the same, means for positioning a second sensitized element in such relation to the second screen as to directly receive the rays reflected from the first screen passing through the said second screen, and means for positioning a third sensitized element in such position as to directly receive the rays reflected from the second screen.

1,637,295. CORE DRILL. THOMAS L. DEE, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 30, 1924. Serial No. 710,116. 14 Claims. (Cl. 255—72.)



1. A core lifter comprising separate spaced wedge shaped supporting and core engaging elements having inclined external surfaces, a radially expansible split member encircling said elements, and means for rigidly securing each of said elements to the inner surface of said member.

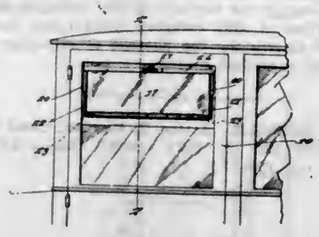
1,637,296. CORE DRILL. THOMAS L. DEE, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 30, 1924. Serial No. 710,117. 14 Claims. (Cl. 255—72.)



1. A core lifter comprising separate spaced wedge shaped supporting members, an annular core gripping member, and means for rigidly securing said core gripping member to the inner surfaces of said supporting members.

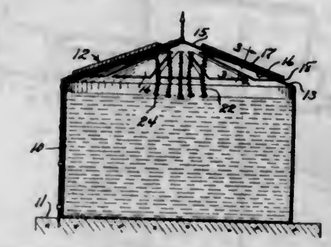
14. A core lifter comprising separate spaced wedge shaped supporting members each having an inclined external surface and a vertically disposed inner surface, a resilient split core gripping member, and means for rigidly securing said core gripping member to the inner surfaces of said supporting members.

1,637,297. VEHICLE CURTAIN. JAMES L. DAOHEN, Dunkirk, N. Y. Filed May 8, 1926. Serial No. 107,771. 1 Claim. (Cl. 296—95.)



A vehicle attachment comprising a pair of brackets adapted to be secured to the frame of a vehicle window, said brackets each comprising a vertically disposed attaching portion, a roller supporting arm secured to and extending at right angles from its upper end and an outwardly extending horizontal arm extending from its inner end, a spring roller mounted in the roller supporting arms, a substantially U-shaped frame including side arms, means pivotally securing the side arms to the horizontal arms of the brackets, bracket carried adjustable stops extending from the vertical arms and engaging the side arms to limit pivotal movement of said side arms in one direction, stops carried by the side arms to limit pivotal movement of the side arms in opposite directions and a curtain wound upon the roller and having its outer end secured to the frame, whereby the frame may be extended outward in unfolded position and maintained in such position by the tension of the curtain, or arranged in folded position and held in such position by the curtain.

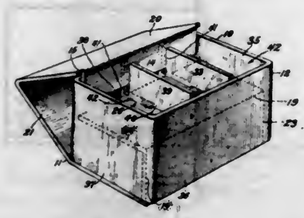
1,637,298. FIRE-PREVENTING COVER FOR FUEL TANKS AND THE LIKE. ENRIQUE GREGORIE GARCIA, Tampico, Mexico. Filed May 24, 1926. Serial No. 111,461. 1 Claim. (Cl. 220—88.)



A tank having a conical top provided with a plurality of trapezoidal shaped openings arranged radially and terminating short of the center, a plurality of trapezoidal shaped doors hingedly mounted adjacent the periphery of the tank for normally closing said openings in overlapping relation thereto, guide brackets mounted beneath the top and provided with openings, curved depending rods secured to said doors at the inner or free ends thereof and slidable through the openings in the brackets, and coil springs surrounding said rods and abutting against the undersides of the brackets.

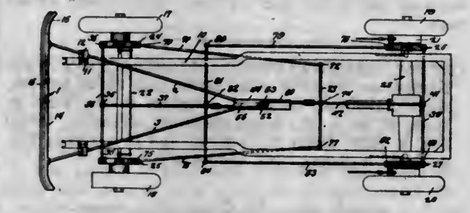
1,637,299. BOX. WILLIAM R. GRAHAM, Bronx, N. Y. Filed Nov. 19, 1926. Serial No. 149,421. 5 Claims. (Cl. 229—27.)

1. A folding box comprising a pair of coaction sections each formed of a single blank of relatively stiff foldable material, the blank of one of said sections being cut and scored to provide the cover, rear wall, bottom wall, and a horizontal partition, the blank of said other section being cut and scored to provide the end walls, front wall and a pair of vertical partitions, and interlocking



means between the horizontal partition and said vertical partitions for holding said sections in a set-up position and for dividing the interior of said box into a plurality of separate compartments.

1,637,300. BRAKE MECHANISM. JOSEPH GREENBERG and DAVID DWORKIN, Wilkes-Barre, Pa. Filed Feb. 4, 1927. Serial No. 165,890. 6 Claims. (Cl. 180—83.)



1. A braking mechanism for the wheels of motor vehicles comprising a braking device for each of the vehicle wheels consisting of a brake element adapted to be fixed to and revolve with the vehicle wheel, a pair of oppositely disposed, normally latched, spring controlled brake shoes connected together by the spring controlling means therefor, opposing, surrounding and normally spaced from said element against the action of said means and coacting, when released, with said element to apply a braking action to the wheel, and a bumper operated releasing mechanism for said shoes.

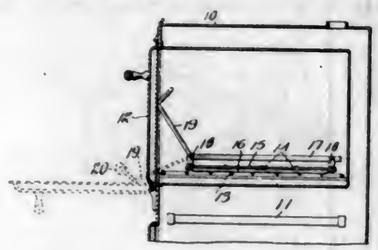
1,637,301. FLOORING TILE. GEORGE C. HANNAM, Freeport, and JULIUS W. SCHEDE, Mount Vernon, N. Y., assignors to Rubberstone Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1927. Serial No. 165,027. 1 Claim. (Cl. 106—31.)

A tile-composition, comprising gilsonite asphalt, vegetable pitch, and asbestos fiber, in substantially the proportions of twenty-five pounds of asphalt, twenty-five pounds of pitch, and one hundred and twenty pounds of asbestos fiber, in which mixture coloring matter is incorporated.

1,637,302. FLOORING TILE. GEORGE C. HANNAM, Freeport, and JULIUS W. SCHEDE, Mount Vernon, N. Y., assignors to Rubberstone Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1927. Serial No. 165,028. 1 Claim. (Cl. 106—32.)

A tile composition, comprising vegetable pitch, light "Cumar" gum (a coal tar derivative), and asbestos fiber in substantially the proportions of pitch thirteen and a third pounds, light "Cumar" gum three and two-thirds pounds, and asbestos fiber forty pounds.

1,637,303. OVEN GRATE. FRANK E. HEATH, Sherman Mills, Me. Filed Jan. 27, 1927. Serial No. 164,043. 2 Claims. (Cl. 126—337.)

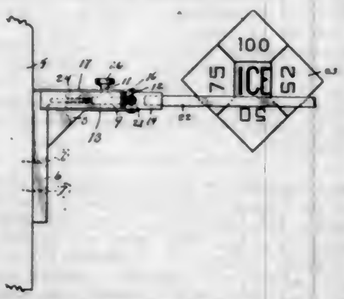


1. A rack or basket for supporting cooking utensils and the like in an oven comprising a framework, an upstanding retaining bar or guard rail on the sides and inner end of said framework for preventing cooking utensils and the like from sliding off the same and open at the front end to permit objects to be slid on and off the same, and a handle pivotally mounted at said open end and arranged to be held upright by an oven door when the same is in closed position but adapted when the door is opened to drop by gravity to a free substantially horizontal position where it may be readily engaged for removing the device from an oven, substantially as set forth.

1,637,304. TRAMWAY-SWITCH CONSTRUCTION. PAUL HEIDTKAMP, Schildow, near Berlin, and PETER MÜLLER, Berlin-Rosenthal, Germany, assignors to the Firm E. Hesse G. m. b. H., Berlin-Rosenthal, Germany. Filed Feb. 4, 1927, Serial No. 165,957, and in Germany Feb. 6, 1926. 5 Claims. (Cl. 246—442.)

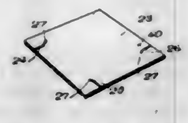
1. In a tramway switch construction a switch body or skeleton and a resilient switch tongue connected therewith, the interconnected elements provided each with a serration and the serrated parts being firmly locked together.

1,637,305. DISPLAYING DEVICE. HENRY H. HENDSCH, Bakersfield, Calif. Filed Jan. 28, 1927. Serial No. 164,290. 1 Claim. (Cl. 40—125.)



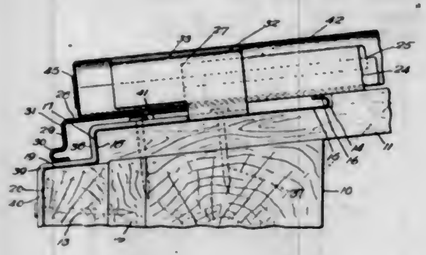
In a device of the character described, a vertical member, a horizontal member secured to said vertical member, a brace between said vertical and said horizontal members, a pair of plates secured to said horizontal member, a swinging member pivoted between said plates, recesses formed in said swinging member, a slider positioned in said horizontal member, the end of said slider being adapted to engage the recesses in said swinging member, an arm carried in said swinging member and having a slot formed therein for the purpose of retaining a display card in a vertical position.

1,637,306. SHINGLE. JAMES E. HOOKER, Coral Gables, Fla. Filed Mar. 5, 1927. Serial No. 173,075. 4 Claims. (Cl. 108—7.)



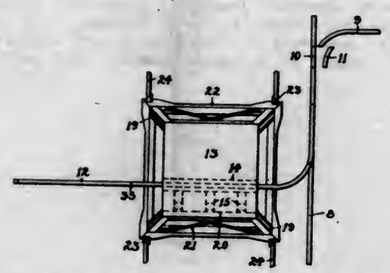
3. A shingle formed of a square sheet of roofing material being provided with a cut at three corners to form an interlocking flap at said corners, said shingles being provided with an additional cut at the inner end of the first-mentioned cuts with the second-mentioned cut extending towards an edge which forms a right angle through which the first-mentioned cut is made.

1,637,307. CAR ROOF. FRANCIS A. JACOBS, Warren, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 14, 1924. Serial No. 743,521. 12 Claims. (Cl. 108—5.)



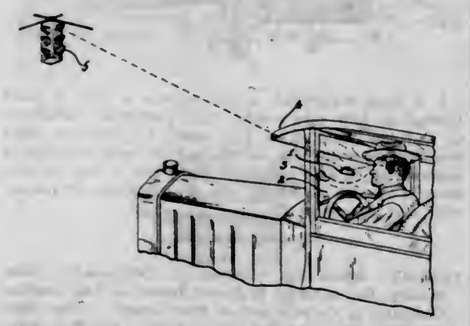
1. In a car roof, in combination, roof sheathing; a flashing secured on said sheathing and having a portion depending over the side of the car; roof sheets disposed on opposite sides of the ridge of the roof, said sheets having side flanges terminating in downwardly directed portions spaced from the body of the sheet, said flanges extending from the ridge to a point short of the eaves edge of the roof, the eaves edges of the roof sheets terminating in flanges depending over the side of the car, the unflanged portions of said sheets at their sides being extended to form ears, the ears of adjacent sheets being lapped; seam caps enclosing the side flanges of adjacent roof sheets; and anchors enclosed by said seam caps at the eaves ends thereof, said anchors having a top web and depending inwardly inclined sides spaced from each other that terminate in outwardly extending flanges spaced from each other and arranged on said flashing, one end of each of said flanges being bent downwardly and secured to the side of the car over said flashing, portions of said anchor sides being cut away to provide slots into which the ears of adjacent roof sheets extend.

1,637,308. TELPHER OR OVERHEAD TRANSPORTER SYSTEM. CLAUDE WARREN LOVERIDGE, Manchester, England. Filed Apr. 13, 1925, Serial No. 22,918, and in Great Britain June 19, 1924. 4 Claims. (Cl. 104—96.)



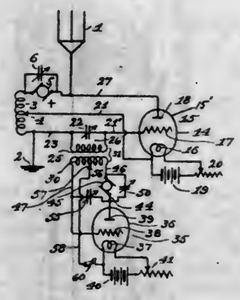
1. In a telpher system a fixed rail, a movable rail one end of which curves towards the fixed rail, and makes sliding contact therewith, a groove formed in the upper face of the fixed rail, a tongue formed on the lower face of one end of the movable rail and engaging in the said groove, such rail end and tongue being in articulated sections, and an extremity on the movable rail which extremity is bevelled off on its upper face to zero.

1,637,309. SIGNAL-VIEWING ATTACHMENT FOR AUTOMOBILES. BRUCE W. DAVID, Cleveland Heights, Ohio, assignor to The Moonbeam Manufacturing Company, a Corporation of Ohio. Filed Dec. 28, 1926. Serial No. 157,516. 3 Claims. (Cl. 88—1.)



2. A device of the class described, comprising a light refracting means secured to the inside surface of an automobile windshield or the like within the range of vision of the driver, said refracting means increasing in thickness towards its top edge, the angle of refraction of said refracting means being such that it will transmit to the eye of the driver, in normal position, an image of the traffic signal which occupies elevated position and which is otherwise obscured from view of the driver by overhanging top portion of the automobile, and said refracting means having an enlarged field of view so as to transmit to the eye of the driver an image of the signal which may be to one side or the other of the direct line of vision of the driver.

1,637,310. TRANSMISSION SYSTEM FOR RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Sept. 28, 1917, Serial No. 193,827. Renewed Aug. 1, 1924. 7 Claims. (Cl. 250—12.)



1. A system of radio transmission, comprising an aerial circuit including a source of current, means including a thermionic valve cooperating with said source to produce electrical oscillations in said circuit, and means including a thermionic valve arranged to impress periodic amplitude variations upon said oscillations.

1,637,311. METHOD OF TREATING MILK POWDER AND PRODUCT PRODUCED THEREBY. WILLIAM GERE HAWLEY, Syracuse, N. Y., assignor to Merrell-Soule Company, Syracuse, N. Y., a Corporation of New York. Filed Jan. 29, 1927. Serial No. 164,513. 10 Claims. (Cl. 99—8.)

1. The process of packing milk powder comprising enclosing milk powder in a container air-tight except for a minute opening, subjecting the milk powder in the container to high vacuum conditions, and then charging the container with a combination of carbon dioxide and nitrogen.

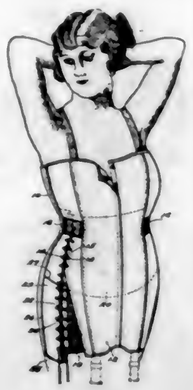
10. An article of commerce consisting of an air-tight container, milk powder within the container, the uncombined oxygen content of the powder and space within the container being less than five cubic centimeters per pound of powder, and a combination of carbon-dioxide and nitrogen within the container.

1,637,312. NONREFILLABLE COIN BANK. PHILIP O. HOAG, Newark, N. J., assignor to The Whitehead & Hoag Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 6, 1926. Serial No. 92,714. 1 Claim. (Cl. 232—4.)



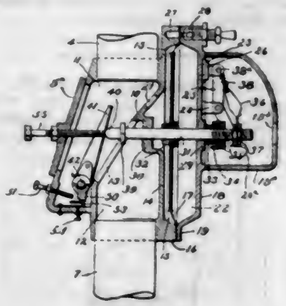
In a non-refillable toy bank, a coin receptacle having a coin inlet, and a laminated portion composed of inner, outer and intermediate layers of sheet material, the inner layer having a coin outlet, the outer and intermediate layers being continuous across the outlet, said intermediate layer being of less area than the outer layer and displaceable from across the outlet only by mutilation of the outer layer.

1,637,313. CORSET. JOSEPH LEONARD, Allentown, Pa., assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa., a Corporation of New York. Filed Sept. 5, 1925. Serial No. 54,761. 4 Claims. (Cl. 2—27.)



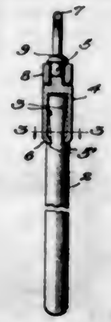
1. In a corset having a body portion split adjacent the sides and connected by lacings and having an abdominal belt also connected to said lacings, thigh controlling portions including elastic sections set into the front of the body portion and non-elastic sections over-lapping the lower portions of the sides of the garment, said non-elastic sections being connected to the body portion further around to the sides than the splits, and lacing connections independent of the first said lacings, connecting the sections of each thigh controlling portion together.

1,637,314. POWER CONTROLLER. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Mar. 26, 1926. Serial No. 97,562. 54 Claims. (Cl. 243—9.)



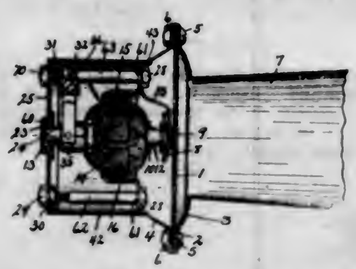
1. Power control apparatus for a pneumatic despatch system of the minimum flow type having a transmission tube and means for creating carrier propelling air flow therein, said apparatus comprising a normally closed controlling valve, a minimum flow through the tube being permitted when the valve is closed, and a pneumatic for opening the valve in response to reduction in pressure in the transmission tube due to introduction of a carrier therein, said valve closing by the direct action of the air current thereagainst when the carrier is delivered from the tube.

1,637,315. HOOK. FREDRICK W. NITTEL, Attleboro Falls, Mass., assignor to M S Company, Attleboro, Mass. Filed Mar. 19, 1927. Serial No. 176,626. 4 Claims. (Cl. 24—240.)



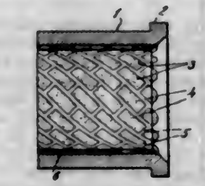
1. In a hook, a shank having an end of non-circular cross-section, a sleeve swaged over the said end of the shank and having a stud projecting outwardly from its opposite end, and a ring swivelled on the stud.

1,637,316. HORN. THEODORE J. SCOFIELD, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 7, 1922. Serial No. 580,262. 14 Claims. (Cl. 177—7.)



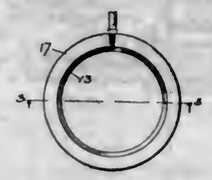
1. A horn comprising a case section, a pair of posts secured to said case section, and projecting therefrom, an end cap mounted on said posts, an armature shaft journaled in said case section and in said end cap, a commutator on said armature shaft, and a pair of commutator brushes carried by one of said posts for contact with said commutator.

1,637,317. BEARING. GEORGE A. SHOEMAKER, Philadelphia, Pa., assignor to Bound Brook Oil-Less Bearing Company, a Corporation of New Jersey. Filed Sept. 27, 1921. Serial No. 503,474. 1 Claim. (Cl. 308—239.)



In a bearing comprising a metallic shell divided longitudinally into separable sections having interior bearing webs or fins and pockets intermediate the webs or fins, continuous marginal pockets at the meeting edges of the bearing sections extending longitudinally thereof, and communicating with the aforesaid pockets and an alloy bearing metal cast into said pockets flush with the bearing surface of said webs or fins.

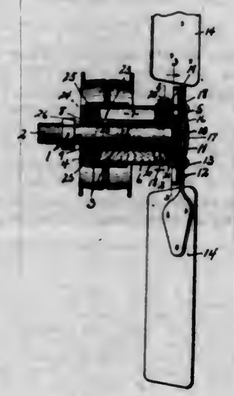
1,637,318. ELECTRICALLY-WELDED PIPE COUPLING AND METHOD OF MAKING THE SAME. RICHARD STRESAU, Wauwatosa, and HARRY WOODHEAD, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Dec. 20, 1922. Serial No. 608,111. 6 Claims. (Cl. 29—156.)



1. The method of making a pipe coupling, which consists in rolling a metal strip with longitudinally extending opposite slopes on one of its broader sides, converting the said strip into a tube with the sloped side upon its interior with the ends of the strip abutting, and electrically welding the abutting ends of the strip to constitute an integral tubular coupling having an inwardly tapering opening at each end.

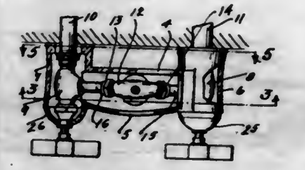
4. A pipe coupling made from a metal strip provided upon one of its broader sides with longitudinally extending surfaces which slope oppositely toward the edges of the strip, the said strip being formed into a tube with the sloped side disposed interiorly thereof, the meeting ends of the strip being welded to constitute an integral coupling having an inwardly tapering opening at each end, and the tapering openings being provided with screw threads.

1,637,319. FAN. GEORGE A. WHITE, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a Corporation of Ohio. Filed Nov. 3, 1925. Serial No. 66,525. 9 Claims. (Cl. 308—109.)



1. A fan comprising a spindle, a bearing mounted thereon, a hub secured to and having a portion spaced radially from a portion of the bearing to form an oil chamber, and means for feeding oil to said chamber comprising a passageway leading through the bearing opening into the oil chamber at a point more than 90 degrees removed from the inlet opening of the passageway.

1,637,320. SINK FIXTURE. FRANK F. BURFITT, Portland, Oreg. Filed May 17, 1926. Serial No. 109,789. 2 Claims. (Cl. 137—111.)



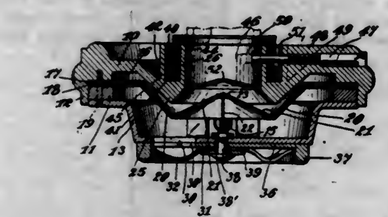
1. A sink fixture comprising a frame made from plastic material, a fitting within and disposed centrally of said frame, a valve disposed in said frame at each side of said fitting, nipples connecting the valves and fitting, gland nuts connecting the nipples with the fitting, and a soap container removably connected to said frame and adapted to form a closure to the frame.

1,637,321. METHOD OF AND COMPOSITION FOR TREATING CONCRETE. NATHAN C. JOHNSON, Englewood, N. J. Filed June 17, 1925. Serial No. 37,625. 30 Claims. (Cl. 25—154.)



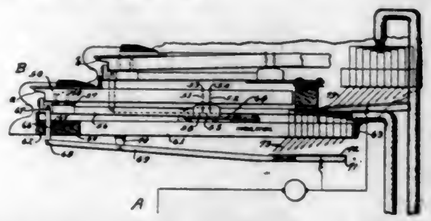
1. Process of treating concrete surfaces, which consists in applying to the concrete surface a layer of a colloidal composition containing a reagent material which will react upon the cement of the concrete to prevent or sufficiently retard the setting of such of the cement as it comes in contact with the colloid serving to provide a suitable coating or layer of the composition in contact with the concrete surface and to gradually feed the reagent from the composition to the cement.

1,637,322. SOUND REPRODUCER. MAXIMILIAN WEIL, New York, N. Y. Filed Aug. 14, 1926. Serial No. 129,144. 35 Claims. (Cl. 274—27.)



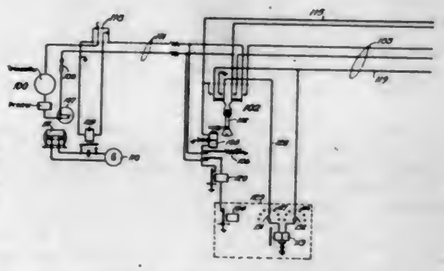
1. A sound reproducer comprising a casing having a diaphragm therein and affording a compression chamber at one face of the diaphragm and an impedance chamber at the other face of the diaphragm, said latter chamber having a wall enclosing said face and having openings in a part of said wall, said openings having cover portions associated therewith which permit emission of sound only by lateral diffusion.

1,637,323. ORGAN. CHARLES F. WINDER, Hollywood, Calif., assignor to The Symphonaer Co., a Corporation of Delaware. Filed Nov. 30, 1925. Serial No. 72,212. 3 Claims. (Cl. 84—347.)



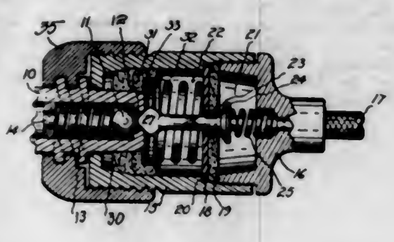
3. Improvements in organs having a console and a seat for the organist adjacent said console, and an organ chamber the expression of which is controlled by expression shutters, there being means controlled by the tipping of the seat to control opening or closing of the shutters; said means including a switch, and a motor coupled with the shutters, variable movement of the switch providing variable movement of the motor to provide variable movement of the shutters.

1,637,324. PRINTING-TELEGRAPH-EXCHANGE SYSTEM. DONALD B. PERRY, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 9, 1925. Serial No. 55,327. 22 Claims. (Cl. 178—2.)



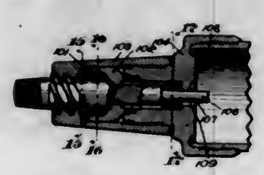
1. In a telegraph exchange system, a plurality of subscribers' stations, printing telegraph equipment and a source of power therefor at each station, said source being normally disconnected from the associated equipment, automatic interconnecting means common to all of said stations, means responsive to the operation of said automatic means for interconnecting one of said stations with another of said stations, means responsive to such interconnection for operatively connecting the power source at said other station with its corresponding printing equipment.

1,637,325. CONNECTER FOR LUBRICATING APPARATUS. RAYNALDO P. JACQUES, Woonsocket, R. I., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 13, 1922. Serial No. 552,395. 20 Claims. (Cl. 284—19.)



1. A quick detachable connecter for lubricating apparatus, having, in combination, a nipple and a nozzle detachably secured thereon, said nozzle comprising a casing having a bore with a conical outer end, a packing ring in said conical end having an opening to receive said nipple, and means to move said packing ring axially outward in said conical end by pressure of the lubricant, thereby forcing the ring between said end and said nipple to seal the connection.

1,637,326. PRESSURE LUBRICATING SYSTEM AND APPARATUS. HOWARD J. MURPHY, Reading, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 1, 1923. Serial No. 616,302. 24 Claims. (Cl. 284—19.)



1. In lubricating apparatus of the class described, a lubricant-expelling device for co-operation with a lubricant-receiving nipple, said device including a barrel having a front head and a coupling nozzle rigidly connected to said head, said nozzle comprising a female threaded portion for quick detachable connection with said nipple, sealing means for effecting a lubricant-tight connection with said nipple, a valve, and a seat for said valve all located forwardly of and detachably secured to said front head independently of said female threaded portion.

July 5, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Laboratories, North Chicago, Ill. Periodical. 229,698; July 5; Serial No. 245,239; published Apr. 26, 1927.

Advance Novelty Co., assignor, by mesne assignments, to Advance Candy Co. Inc., New York, N. Y. All kinds of candies. 61,839; renewed Apr. 9, 1927.

Aktiengesellschaft für Asphaltirung und Dachbedeckung vormals Johannes Jeserich, Charlottenburg, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Insulating and protective paints and varnishes. 58,700; renewed Dec. 25, 1926.

Alexander, Ernst, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Remedies for nerve weakness and sexual neurasthenia. 58,735; renewed Dec. 25, 1926.

All-American Radio Corporation, Chicago, Ill. All-metal Christmas-tree holders. 229,850; July 5; Serial No. 228,019; published Apr. 26, 1927.

Alonso, Blanch, doing business as Supreme Corset Co., New York, N. Y. Combination garments consisting of corsets, brassières, and sanitary belts. 229,606; July 5; Serial No. 236,152; published Apr. 19, 1927.

American Casting Company, Birmingham, Ala. Metal lock-joint culvert pipes and hub and spigot sewer pipes. 229,021; July 5; Serial No. 245,525; published Apr. 26, 1927.

American Chicle Company, Long Island City, N. Y. Chewing gum. 229,626; July 5; Serial No. 243,408; published Apr. 26, 1927.

American Journal of Clinical Medicine, Inc., The, North Chicago, Ill. Periodical. 229,778; July 5; Serial No. 244,342; published Apr. 26, 1927.

American Rayon Products Corporation, New York, N. Y. Knitted artificial-silk fabrics. 229,664; July 5; Serial No. 225,295; published Sept. 21, 1926.

American Register Company, Boston, Mass. Paper. 229,598; July 5; Serial No. 283,904; published Apr. 19, 1927.

American Smelting and Refining Company, New York, N. Y. Salts, acids, and compounds. 229,786; July 5; Serial No. 244,533; published Apr. 26, 1927.

American Smelting and Refining Company, New York, N. Y. Lead traps, bends, flanges, lead-lined pipe and fittings, etc. 229,812; July 5; Serial No. 244,534; published Apr. 26, 1927.

American Thermos Bottle Company, The, Norwich, Conn. Bottles, jars, decanters, carafes, hip flasks, coffeepots, etc. 229,816; July 5; Serial No. 241,199; published Apr. 26, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Wringers and parts thereof. 66,244; renewed Nov. 19, 1927.

American Wringer Company, The, New York, N. Y., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers. 66,245; renewed Nov. 19, 1927.

American Wringer Company, The, New York, N. Y., and Providence, R. I., assignor to American Wringer Company, Inc., Woonsocket, R. I. Clothes wringers. 66,417; renewed Nov. 26, 1927.

Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 229,646; July 5; Serial No. 241,254; published Apr. 26, 1927.

Andrews, Linwood M., Chicago, Ill. Mirrors. 229,710; July 5; Serial No. 244,647; published Apr. 26, 1927.

Aphrodite Mfg. Co., The. (See Cassalia, Ben.)

Atkins, E. C., & Co., Indianapolis, Ind. Machine knives. 229,629–30; July 5; Serial Nos. 237,646–7; published Apr. 26, 1927.

Atlas Publishing Co., Inc., New York, N. Y. Publication. 229,648; July 5; Serial No. 245,529; published Apr. 26, 1927.

Baer, William D., Detroit, Mich. Garters. 229,610; July 5; Serial No. 245,185; published Apr. 19, 1927.

Baldwin Refrigerator Co., The, Burlington, Vt. Refrigerators and ice boxes. 65,763; renewed Oct. 22, 1927.

Baldwin Refrigerator Co., The, Burlington, Vt. Refrigerators. 65,764; renewed Oct. 22, 1927.

Baldwin Refrigerator Co., The, Burlington, Vt. Refrigerators and ice boxes. 65,765; renewed Oct. 22, 1927.

Bass, Nathan, doing business as Pacific Kiddie Coat Company, New York, N. Y. Infants' and children's coats. 229,751; July 5; Serial No. 244,420; published Apr. 19, 1927.

Bassick Manufacturing Company, The, Chicago, Ill. Covers for tops of automotive vehicles. 229,803; July 5; Serial No. 245,688; published Apr. 26, 1927.

Batezel, Horace M., Chicago, Ill. Tomatoes. 229,781; July 5; Serial No. 244,421; published Apr. 26, 1927.

Bayne, Charles W., doing business as Bayne Laboratories, San Francisco, Calif. Face cream and lotion, shampoo, bay rum, hair tonic, astringent, etc. 229,885; July 5.

Bear Brand Hosiery Co. (See Paramount Knitting Company, assignor.)

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 229,795; July 5; Serial No. 244,041; published Apr. 19, 1927.

Bear Film Co., San Francisco, Calif. Photographs. 229,762; July 5; Serial No. 245,612; published Apr. 26, 1927.

Bellas Hess & Co., New York, N. Y. Wearing-apparel patterns. 229,876; July 5.

Benaderet, S., Inc., San Francisco, Calif. Cigarettes. 229,889; July 5.

Beverly Co., The, Louisville, Ky. Furniture. 229,680; July 5; Serial No. 242,702; published Apr. 26, 1927.

Bezosi, Adolph A., New York, N. Y. Infants', boys', and girls' headwear. 229,815; July 5; Serial No. 241,079; published Apr. 19, 1927.

Blodgett & Orswell Co., Pawtucket, R. I. Spool cotton or sewing thread. 66,382–3; renewed Nov. 26, 1927.

Blodgett & Orswell Co., Pawtucket, R. I. Spool cotton or sewing thread. 66,404; renewed Nov. 26, 1927.

Bobby Hood Co. Inc., New York, N. Y. Ladies' hats. 229,774; July 5; Serial No. 240,239; published Apr. 19, 1927.

Boker, Heinr., & Co., Solingen, Germany. Razors. 64,378; renewed Aug. 6, 1927.

Bond, Charles L., doing business as International Dundee Tailoring Co., New York, N. Y. Men's and young men's suits and overcoats. 229,653; July 5; Serial No. 244,740; published Apr. 19, 1927.

Bonwit Teller & Co., New York, N. Y. Hosiery. 229,782; July 5; Serial No. 244,423; published Apr. 19, 1927.

Booth Fisheries Company. (See Northwestern Fisheries Company, assignor.)

Borresen, Maridean A., Chicago, Ill. Publications. 229,701; July 5; Serial No. 245,137; published Apr. 26, 1927.

Bouma, Benjamin T., Lynnville, Iowa. Germicide and insecticide for the treatment of skin diseases, etc. 229,787; July 5; Serial No. 244,537; published Apr. 26, 1927.

Bowey's, Inc., Chicago, Ill. Nonalcoholic, maltless chocolate sirup used in the preparation of soft drinks. 229,632; July 5; Serial No. 237,775; published Apr. 19, 1927.

Brandt, Albert, Trenton, N. J. Healing ointment. 229,725; July 5; Serial No. 243,686; published Apr. 26, 1927.

Brokaw Brothers, New York, N. Y. Men's and boys' suits. 229,897–8; July 5.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 229,673; July 5; Serial No. 241,808; published Apr. 19, 1927.

Buck, Frank H., Company, San Francisco, Calif. Apples, apricots, cherries, grapes, peaches, pears, and plums. 229,692; July 5; Serial No. 237,720; published Apr. 26, 1927.

Bulletin Company, Philadelphia, Pa. Newspaper. 229,647; July 5; Serial No. 245,531; published Apr. 26, 1927.

Bush, Charles W., doing business as C. W. Bush Company, Hammond, Ind. Butter. 229,716; July 5; Serial No. 245,469; published Apr. 19, 1927.

California Canneries Co., San Francisco, Calif. Canned fruits. 63,694; renewed July 2, 1927.

Campbell, Dora E., doing business as D. Campbell, Paterson, N. J. Salve for treating wounds, cuts, scratches, bites, and burns. 229,858; July 5.

Canadian Fish & Cold Storage Co. Ltd., Prince Rupert, British Columbia, Canada. Fresh fish. 229,861; July 5.

Captain Kidd Products, Inc., Brooklyn, N. Y. Beverage and sirups and extracts for making the same. 229,625; July 5; Serial No. 245,891; published Apr. 26, 1927.

Carter, H. W., & Sons, Lebanon, N. H. Denim coats. 229,713; July 5; Serial No. 244,660; published Apr. 19, 1927.

Carver File Company, doing business as Delta File Works, Philadelphia, Pa. Files. 229,905; July 5.

Casa Anchorena, Inc., New York, N. Y. Rubber heels. 229,869; July 5.

Caspary, John, Glenham, N. Y. Cheese. 229,750; July 5; Serial No. 244,391; published Apr. 19, 1927.

Cassalia, Ben, doing business as The Aphrodite Mfg. Co., Syracuse, N. Y. Hair tonic. 229,615; July 5; Serial No. 245,335; published Apr. 26, 1927.

Catawba Candy Company, The, Sandusky, Ohio. Candy. 63,065; renewed June 4, 1927.

Caterpillar Tractor Co., San Leandro, Calif. Tractors. 229,711–12; July 5; Serial Nos. 244,662–3; published Apr. 26, 1927.

Caterpillar Tractor Co., San Leandro, Calif. Tractors. 229,714–15; July 5; Serial Nos. 244,664–5; published Apr. 26, 1927.

Cathcart, A. H., & James S. Thompson Company, doing business as Lustrine Laboratories, St. Paul, Minn. Shampoo. 229,676; July 5; Serial No. 242,530; published Apr. 26, 1927.

Cereal Soaps Co. Inc., New York, N. Y. Shampoo soap. 229,851; July 5; Serial No. 228,173; published May 4, 1926.

Chambers Printing Works, Kalamazoo, Mich. Publication. 229,721; July 5; Serial No. 243,415; published Apr. 26, 1927.
Chance & Hunt, Limited, Oldbury, England. Caustic soda. 66,212; renewed Nov. 19, 1927.
Chemical Foundation, Incorporated, The. (See Aktiengesellschaft für Asphaltirung und Dachbedeckung vorSchein, Johann E., assignor.)
Chemical Foundation, Incorporated, The. (See Alexander, Ernst, assignor.)
Chemical Foundation, Incorporated, The. (See Knofler, Dr. O., and Company, assignor.)
Chemical Foundation, Incorporated, The. (See Nicolay & Co., assignor.)
Chemical Foundation, Incorporated, The. (See Rosenberg, Hugo, assignor.)
Chemical Foundation, Incorporated, The. (See Stroschein, Johann E., assignor.)
Chicago Mail Order Company, Chicago, Ill. Dresses. 229,724; July 5; Serial No. 243,586; published Apr. 19, 1927.
Children's Vehicle Corporation, East Templeton, Mass. Children's wheel toys, doll carriages, velocipedes, scooters, etc. 229,604; July 5; Serial No. 235,800; published Apr. 26, 1927.
Chinese Canning Company. (See Lam, Tao.)
Chrome Alloy Tube Corporation, New York, N. Y. Metal-alloy tubes. 229,821; July 5; Serial No. 242,092; published Apr. 26, 1927.
Cincinnati Auto Specialty Co., The, Cincinnati, Ohio. Fabric door and seat covers for automobiles. 229,772; July 5; Serial No. 238,840; published Apr. 26, 1927.
Cluff Manufacturing Co., San Francisco, Calif. Birdseed, dried currants, chicory, coffee, farina, honey, etc. 229,883; July 5.
Coates, J. & P., Limited, Paisley, Scotland, assignor to J. & P. Coates (R. I.), Inc., Pawtucket, R. I. Sewing cotton on spools or reels. 65,099; renewed Sept. 10, 1927.
Cohn, Joseph, & Son, New York, N. Y. Leather shoes. 229,870; July 5.
Coles Company, The, Middletown, Conn. Stock and poultry feeds. 229,597; July 5; Serial No. 229,541; published Apr. 19, 1927.
Coles Company, The, Middletown, Conn. Stock and poultry feeds. 229,857; July 5; Serial No. 228,976; published Apr. 19, 1927.
Collins, Justus, Charleston, W. Va. Garters. 229,791; July 5; Serial No. 243,848; published Apr. 19, 1927.
Colman, Louis, West Hampstead, London, England. Stockings and socks. 229,768; July 5; Serial No. 244,915; published Apr. 19, 1927.
Columbia Mill & Elevator Company, Columbia, Tenn. Wheat flour. 66,386; renewed Nov. 26, 1927.
Continental Trunk & Bag Co., El Paso, Tex. Trunks, auto trunks, brief cases, hatboxes, suitcases, handbags, kit bags, etc. 229,639; July 5; Serial No. 239,845; published Apr. 19, 1927.
Cook, Robert C., doing business as The Current Science Review, McComb, Miss. Magazine. 229,697; July 5; Serial No. 245,257; published Apr. 26, 1927.
Coxie Company, The, Muncie, Ind. Chocolate-covered candy bars. 229,699; July 5; Serial No. 245,190; published Apr. 26, 1927.
Cudahy Packing Co., The, Chicago, Ill., and South Omaha, Nebr., assignor to The Cudahy Packing Company, Chicago, Ill. Lye and washing soda. 64,629; renewed Aug. 13, 1927.
Cudahy Packing Company, The, Chicago, Ill., and Los Angeles, Calif., assignor to The Cudahy Packing Company, Chicago, Ill. Lard substitute. 64,962; renewed Sept. 3, 1927.
Curlee Clothing Company, St. Louis, Mo. Coats, vests, trousers, etc. 229,789; July 5; Serial No. 242,779; published Apr. 19, 1927.
Current Science Review, The. (See Cook, Robert C.)
Deuco Mfg. Co., Peoria, Ill. Oil burners and parts thereof. 229,881; July 5.
Dek Sales Co. (See Shaffer, Cleve T.)
Dell Publishing Company, New York, N. Y. Magazine. 229,719; July 5; Serial No. 245,340; published Apr. 26, 1927.
Delta File Works. (See Carver File Company.)
De Ville, Augustus B., doing business as De Ville and Dangler, Cleveland, Ohio. Arch supports. 229,893; July 5.
Dexter-Carpenter Coal Company, Incorporated, New York, N. Y. Coal. 229,747; July 5; Serial No. 244,061; published Apr. 19, 1927.
Dexter-Carpenter Coal Company, Incorporated, New York, N. Y. Coal. 229,796–7; July 5; Serial Nos. 244,059–60; published Apr. 19, 1927.
Diamond Oil & Paint Co., Scranton, Pa. Paints, varnishes, enamels, etc. 229,726; July 5; Serial No. 243,691; published Apr. 19, 1927.
Diamond Rubber Co., The, assignor to The B. F. Goodrich Company, Akron, Ohio. Rubber goods. 65,292; renewed Sept. 17, 1927.
Diamond Rubber Co., The, assignor to The B. F. Goodrich Company, Akron, Ohio. Gaskets, oil-well packing, rubber tubing, rubber hose, belting, and packing. 65,341; renewed Sept. 17, 1927.
Dickinson, Laurel A., Detroit, Mich. Salad dressing. 229,735; July 5; Serial No. 244,141; published Apr. 19, 1927.
Dietzmann, Julius, doing business as Ironcraft Works, Los Angeles, Calif. Hand wrought-iron products. 229,830; July 5; Serial No. 243,596; published Apr. 26, 1927.
Dillion Export & Commission Co., Inc., High Point, N. C. Hosiery. 229,688; July 5; Serial No. 243,144; published Apr. 19, 1927.
Dold, Jacob, Packing Co., Buffalo, N. Y. Bacon, ham, sausage, and lard. 65,805; renewed Oct. 22, 1927.
Doré & Fils, Fontaine-les-Gres, France. Hosiery, underwear, gloves, hats, etc. 229,819; July 5; Serial No. 241,608; published Apr. 19, 1927.
Doubleday Page & Co. (See Short Stories Company Ltd., The, assignor.)
Draper-Maynard Company, The, Plymouth, N. H. Golf balls. 229,620; July 5; Serial No. 245,479; published Apr. 26, 1927.
Duncan, William D., Ottawa, Ill. Medicine. 66,265; renewed Nov. 19, 1927.
Dunwody, R. G., & Sons, Atlanta, Ga. Medicinal and pharmaceutical preparation. 229,907; July 5.
Dwight Company, The. (See Warren, Fred D.)
Dyrex Distributors, San Francisco, Calif. Floor mops, dusters, wet mops, brushes, etc. 229,783; July 5; Serial No. 244,434; published Apr. 26, 1927.
E. M. E. Corporation, doing business as Kemiko Mfg. Co., Newark, N. J. Chemical compound. 229,842; July 5; Serial No. 246,018; published Apr. 26, 1927.
E-Z Opener Bag Company, Decatur, Ill. Paper bags. 229,665; July 5; Serial No. 225,299; published Apr. 26, 1927.
Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Pencil sharpeners. 65,342; renewed Sept. 17, 1927.
Earley, G. F., & Son, doing business as Lander Mills, Lander, Wyo. Breakfast food, self-rising pancake flour, whole-wheat flour, etc. 229,616; July 5; Serial No. 245,343; published Apr. 19, 1927.
Ebsco Patents Proprietary Limited, Melbourne, Victoria, Australia. Machines for printing advertising matter and parts thereof. 229,728; July 5; Serial No. 243,850; published Apr. 26, 1927.
Eckel, Francis S., Los Angeles, Calif. Citrous fruits and fresh grapes. 229,852; July 5; Serial No. 228,231; published Apr. 26, 1927.
Eckel, Francis S., Los Angeles, Calif. Citrous fruits and fresh grapes. 229,854; July 5; Serial No. 228,600; published Apr. 26, 1927.
Economical Drug Co., Chicago, Ill. Ginger ale. 229,875; July 5.
Ehlenberger, George, & Company, Inc., New York, N. Y., and Miami, Fla. Eggs. 229,731; July 5; Serial No. 244,004; published Apr. 19, 1927.
Elco Paints Products, Inc., New York, N. Y. Varnishes. 229,633; July 5; Serial No. 238,258; published Apr. 19, 1927.
Elson and Elson, Chicago, Ill. Polish for automobiles, furniture, etc. 229,679; July 5; Serial No. 242,527; published Apr. 19, 1927.
Enrich, Henry A., doing business as Henry A. Enrich & Co., New York, N. Y. Ribbon novelties. 229,790; July 5; Serial No. 243,801; published Apr. 19, 1927.
Estate Stove Company, The, Hamilton, Ohio. Stoves and furnaces. 64,698; renewed Aug. 20, 1927.
Everett, Heaney & Co. Inc., New York, N. Y. Cotton print cloth piece goods. 229,739; July 5; Serial No. 170,572; published Apr. 26, 1927.
Faber, Eberhard, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers. 66,249; renewed Nov. 19, 1927.
Faber, Eberhard, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils. 66,358–62; renewed Nov. 26, 1927.
Faber, Eberhard, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 66,363; renewed Nov. 26, 1927.
Faber, Eberhard, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers. 66,364; renewed Nov. 26, 1927.
Fagan, D., & Sons, New York, N. Y. Hats. 229,683; July 5; Serial No. 243,044; published Apr. 19, 1927.
Fagan, D., & Sons, New York, N. Y. Hats. 229,824; July 5; Serial No. 243,045; published Apr. 19, 1927.
Feldman Bros., Inc., New York, N. Y. Ladies' hats. 229,693; July 5; Serial No. 245,087; published Apr. 19, 1927.
Ferris, F. A., & Company, assignor to F. A. Ferris & Company, Inc., New York, N. Y. Smoked and pickled meats. 56,718; renewed Oct. 16, 1926.
Film Booking Offices of America, Inc., New York, N. Y. Motion-picture films. 229,722; July 5; Serial No. 243,486; published Apr. 26, 1927.
Finchley Inc., New York, N. Y. Hats and caps. 229,832; July 5; Serial No. 243,696; published Apr. 19, 1927.
Finke, Alice L., doing business as Sherman-Williams Company, Tempie, Calif. Stock feed. 229,882; July 5.
Firestone Tire and Rubber Company, The, Akron, Ohio. Resilient vehicle tires. 229,868; July 5.
First National Bank in St. Louis, St. Louis, Mo. Books, booklets, etc. 229,676; July 5; Serial No. 242,240; published Apr. 26, 1927.
Fisher, Adela B. (See Shekter, Abraham, assignor.)
Flavor-Aid Sauces Corp., Richmond, Va. Food sauces. 229,903; July 5.

Flexement Corp., Muskegon, Mich. Adhesive cement. 229,644, July 5; Serial No. 245,540; published Apr. 19, 1927.
Flexement Corp., Muskegon, Mich. Adhesive cement. 229,765; July 5; Serial No. 245,541; published Apr. 19, 1927.
Fortune-Ward Drug Company. (See Gardner, Joseph A.)
Fostoria Screw Company, The, Fostoria, Ohio. Automobile steering-knuckle bolts and bushings, etc. 229,605; July 5; Serial No. 256,025; published Apr. 26, 1927.
Fourth Estate Publishing Company, The, New York, N. Y. Weekly publication. 229,637; July 5; Serial No. 238,499; published Apr. 26, 1927.
Frederick Laboratory, The, Toledo, Ohio. Unguent or salve. 66,365; renewed Nov. 26, 1927.
Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, four-in-hand ties, and bow ties. 229,654; July 5; Serial No. 244,768; published Apr. 19, 1927.
Frubauf & Musyl, Inc., New York, N. Y. Hats. 229,690; July 5; Serial No. 243,262; published Apr. 19, 1927.
Gallagher, William C. (See Home Hosiery Co.)
Gardner, Joseph A., doing business as Fortune-Ward Drug Company, Memphis, Tenn. Medicinal composition. 229,896; July 5.
Gargoyle Textile Corporation, New York, N. Y. Undergarments, collars, overalls, and raincoats. 229,738; July 5; Serial No. 125,616; published Nov. 9, 1920.
Gas-Trove Medicine Co. (See Slater, Richard.)
Gauld, Edith H., St. Paul, Minn. Eczema and skin preparation. 229,860; July 5.
Geometric Tool Company, The, New Haven, Conn. Threading dies. 229,804; July 5; Serial No. 245,706; published Apr. 26, 1927.
Giniger, Morris, New York, N. Y. Butter. 229,886; July 5.
Glas-Jar Coffee Co. (See Taffae & Bellion.)
Goetze, Otto, assignor to Otto Goetze Company, New York, N. Y. Dyed cotton fabrics. 62,724; renewed May 21, 1927.
Goodrich, B. F., Company, The. (See Diamond Rubber Co., The, assignor.)
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Belting and hose. 64,996; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Belting. 64,997–9; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Hose. 65,003–10; renewed Sept. 3, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Hose. 65,410–17; renewed Sept. 24, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Machinery packing. 65,419–21; renewed Sept. 24, 1927.
Goodrich, B. F., Company, The, assignor to The B. F. Goodrich Company, Akron, Ohio. Pneumatic tires. 65,422; renewed Sept. 24, 1927.
Go-Toy Mfrs. Inc., Brooklyn, N. Y. Mechanical toys. 229,593; July 5; Serial No. 232,561; published Apr. 26, 1927.
Grady Mfg. Co., The, Long Island City, N. Y. Cleaning, protecting, and polishing preparation for metals. 229,864; July 5.
Grasselli Chemical Company, The, Cleveland, Ohio. Insecticides. 229,844; July 5; Serial No. 246,092; published Apr. 26, 1927.
Grassphalte Hard Courts Limited, London, England. Preparation in the nature of a paint. 229,677; July 5; Serial No. 242,429; published Apr. 19, 1927.
Greco, Gaspare G., New Orleans, La., to Gaspare G. Greco, San Jose, Calif. Macaroni. 66,295; renewed Nov. 19, 1927.
Greenhill & Daniel, Brooklyn, N. Y. Sport coats. 229,748; July 5; Serial No. 244,072; published Apr. 19, 1927.
Greever-Lotspeich Mfg. Co., Knoxville, Tenn. Food-flavoring extracts. 229,736; July 5; Serial No. 244,153; published Apr. 19, 1927.
Greif, L., & Bro., assignor to L. Greif & Bro. Inc., Baltimore, Md. Clothing. 66,155; renewed Nov. 12, 1927.
Grierson, David, Buffalo, N. Y. Clothespin bags. 229,754; July 5; Serial No. 244,498; published Apr. 26, 1927.
Haartz, J. C., Company, New Haven, Conn. Raincoats 229,831; July 5; Serial No. 243,603; published Apr. 19, 1927.
Hadfield-Penfield Steel Company, The, Bucyrus, Ohio. Tractors, road graders, crawlers, etc. 229,672; July 5; Serial No. 241,412; published Apr. 26, 1927.
Hahn, William, & Co., Washington, D. C. Shoes. 229,891; July 5.
Hall, Gardiner, jr., Company, The, South Willington, Conn., and New York, N. Y. Thread. 229,800; July 5; Serial No. 245,631; published Apr. 26, 1927.
Halpern-Navison Shoe Co., Boston, Mass. Boots and shoes. 229,662; July 5; Serial No. 223,160; published June 15, 1926.
Harris-Polk Hat Company, St. Louis, Mo. Felt and straw hats. 62,691; renewed May 21, 1927.
Hart, Mary K., Gloversville, N. Y. Posture chart for the instruction of the blind. 229,859; July 5.
Hartman Wholesale Corporation, Chicago, Ill. Coal, wood, and gas burning cookstoves and ranges. 229,771; July 5; Serial No. 238,786; published Apr. 26, 1927.
Hasson, John E., Bath, N. Y. Medicines. 65,632; renewed Oct. 15, 1927.
Hays Manufacturing Company, Erie, Pa. Machines for tapping water and gas mains and parts thereof. 229,674; July 5; Serial No. 242,192; published Apr. 26, 1927.
Healy-Ruff Company, St. Paul, Minn. Radiator hangers and parts thereof. 229,805; July 5; Serial No. 245,714; published Apr. 26, 1927.
Heller, Ferle, Inc., New York, N. Y. Ladies' and misses' hats. 229,706; July 5; Serial No. 244,610; published Apr. 19, 1927.
Herriott Bros. & Co., to The Ollanshine Company, St. Louis, Mo., successor. Boot and shoe blacking. 64,088; renewed July 23, 1927.
Hersey Manufacturing Company, Portland, Me., and Boston, assignors to Hersey Manufacturing Company, South Boston, Mass. Sugar granulators, cube machines, driers, pumps, and presses. 65,724; renewed Oct. 22, 1927.
Hill, H. G., Stores, Inc., New Orleans, La. Coffee and coffee and chicory. 229,784; July 5; Serial No. 224,499; published Apr. 26, 1927.
Home Hosiery Co., Philadelphia, Pa., to William C. Gallagher, doing business as Home Hosiery Co., New York, N. Y., successor. Hosiery. 64,787; renewed Aug. 20, 1927.
Hoosier Manufacturing Company, The, Newcastle, Ind. Kitchen cabinets. 66,022; renewed Nov. 5, 1927.
Horowitz, Louis J., doing business as Kleen-A-Skin Laboratories, Brooklyn, N. Y. Mouth wash. 229,906; July 5.
Howes-Fahnestock, Peoria, Ill. Blank form—namely, insurance-policy and expiration-record forms. 229,823; July 5; Serial No. 242,833; published Apr. 12, 1927.
Hoyland Flour Mills Company, Kansas City, Mo. Cereal breakfast food. 229,822; July 5; Serial No. 242,231; published Apr. 19, 1927.
Hudnut, Richard, New York, N. Y. Perfume, toilet water, talcum powder, etc. 229,733; July 5; Serial No. 244,075; published Apr. 26, 1927.
Hurlock Bros. Company, Inc., Philadelphia, Pa. Cardboards for printers, lithographers, sign writers, and general display work. 229,752–3; July 5; Serial Nos. 244,445–6; published Apr. 12, 1927.
Ideal Novelty & Toy Co., Brooklyn, N. Y. Dolls. 229,836; July 5; Serial No. 245,987; published Apr. 26, 1927.
International Dundee Tailoring Co. (See Bond, Charles L.)
International Fire Equipment Corporation. (See Sloan, Roland H., assignor.)
International Milling Company, Minneapolis, Minn. Wheat flour. 229,764; July 5; Serial No. 245,559; published Apr. 19, 1927.
Ironcraft Works. (See Dietzmann, Julius.)
J. & P. Coats, Limited, Paisley, Scotland, assignor to J. & P. Coats (R. I.), Inc., Pawtucket, R. I. Sewing and crochet cotton. 64,523; renewed Aug. 13, 1927.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 229,742; July 5; Serial No. 207,379; published Feb. 16, 1926.
Jones, Emmet A., Atlanta, Ga. Overcoats. 229,671; July 5; Serial No. 227,521; published Apr. 19, 1927.
Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 229,879; July 5.
Kavata Brothers, Philadelphia, Pa. Negligees. 229,669; July 5; Serial No. 226,774; published Apr. 19, 1927.
KeHawKe Manufacturing Co., Minneapolis, Minn. Tire patches. 229,806; July 5; Serial No. 245,722; published Apr. 26, 1927.
Kelley-Connell Co., Berkeley, Calif. Metal valves. 229,807; July 5; Serial No. 245,723; published Apr. 26, 1927.
Kemiko Mfg. Co. (See E. M. E. Corporation.)
Kenny, C. D., Co., Inc., Baltimore, Md. Coffee. 229,612; July 5; Serial No. 245,275; published Apr. 26, 1927.
Kimberly-Clark Company, Neenah, Wis. Absorbent wadding made of paper stock. 229,755; July 5; Serial No. 244,502; published Apr. 12, 1927.
King, Robert C., & Co., New York, N. Y., assignor to Oppenheim, Oberndorf & Co., Inc., Baltimore, Md. Men's athletic underwear. 229,707; July 5; Serial No. 244,615; published Apr. 19, 1927.
Kleen-A-Skin Laboratories. (See Horowitz, Louis J.)
Kleinman, J., Sons & Friedlander Inc., New York, N. Y. Suits, coats, trousers, etc. 229,833; July 5; Serial No. 243,707; published Apr. 19, 1927.
Knecht, Louis, doing business as The Walser Manufacturing Company, Clifton, N. J. Knitted fabrics of silk and rayon and mixtures thereof. 229,689; July 5; Serial No. 243,220; published Apr. 26, 1927.
Knöfler, Dr. O., and Company, Plotzensee, near Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Certain chemicals. 60,607; renewed Feb. 12, 1927.
Kokomo Automotive Mfg. Co., Kokomo, Ind. Ventilating caves, windshield wings, and rear-view mirrors for automobiles. 225,820; July 5; Serial No. 242,009; published Apr. 26, 1927.
Kolos, Leo, Cleveland, Ohio. Publication. 229,649; July 5; Serial No. 245,499; published Apr. 26, 1927.

Kops Bros. Inc., New York, N. Y. Wide elastic webbing for use in garments. 229,655; July 5; Serial No. 244,828; published Apr. 26, 1927.

Krantz, Philip M., Brooklyn, N. Y. Toothbrushes and typewriter brushes. 229,808; July 5; Serial No. 245,729; published Apr. 26, 1927.

Kupferman, L., & Co., New York, N. Y. Men's and boys' suits. 229,814; July 5; Serial No. 240,267; published Apr. 19, 1927.

Lam, Tso, doing business as Chinese Canning Company, Chicago, Ill. "Tow foo," a Chinese bean custard; canned bean sprouts, soups, etc. 229,675; July 5; Serial No. 242,198; published Apr. 19, 1927.

La Manna, Azema & Farnan, New York, N. Y. Bottled olives, preserved fruits, and bottled capers. 229,617; July 5; Serial No. 245,354; published Apr. 26, 1927.

Lander Mills. (See Earley, G. F., & Son.)

Larry, W. M., Gary, Ind. Liniment. 229,909; July 5.

La Verne Orange Association, La Verne, Calif. Oranges, lemons, and grapefruit. 229,624; July 5; Serial No. 243,377; published Apr. 26, 1927.

La Verne Orange Association, La Verne, Calif. Oranges, lemons, and grapefruit. 229,737; July 5; Serial No. 243,374; published Apr. 26, 1927.

Lee, Lael C., El Centro, Calif. Fresh cantaloupes, vegetables, and fresh grapes. 229,603; July 5; Serial No. 235,149; published Apr. 26, 1927.

Lemon Grove Fruit Growers Association, Lemon Grove, Calif. Oranges, lemons, and grapefruit. 229,631; July 5; Serial No. 237,672; published Apr. 26, 1927.

Lester, Ltd., Chicago, Ill. Publication. 229,763; July 5; Serial No. 245,648; published Apr. 26, 1927.

Levy, Moe, & Son, New York, N. Y. Men's and young men's suits. 229,874; July 5.

Libert Macaroni Mfg. Co. (See Liberty Maccheroni Mfg. Co.)

Liberty Maccheroni Mfg. Co., assignor to Libert Macaroni Mfg. Co., Buffalo, N. Y. Macaroni and vermicelli. 65,534; renewed Oct. 8, 1927.

Lincrusta-Walton Company, Hackensack, N. J. Wall covering comprising plastic coated paper in sheet form. 229,625; July 5; Serial No. 243,381; published Apr. 19, 1927.

Lo Presti Bros., Chicago, Ill. Edible vegetable oil. 229,908; July 5.

Lord & Taylor, New York, N. Y. Hosiery, shawls, ruffs, collars, etc. 229,634; July 5; Serial No. 238,269; published Apr. 19, 1927.

Lucas, John, & Co., assignor to John Lucas & Co. Inc., Philadelphia, Pa. Green paint. 64,036; renewed July 23, 1927.

Ludw. Loewe & Co. Actiengesellschaft, Berlin, Germany. Measuring tools and instruments, standard gauges, limit gauges, etc. 229,729; July 5; Serial No. 243,817; published Apr. 26, 1927.

Lustrine Laboratories. (See Cathcart, A. H., and James S. Thompson Company.)

Lyon & Greenleaf, Wauseon, Ohio, and Ligonier, to Lyon & Greenleaf Co., Ligonier, Ind., successor. Wheat flour. 63,530–1; renewed June 25, 1927.

Lyon & Greenleaf, Wauseon, Ohio, and Ligonier, to Lyon & Greenleaf Co., Ligonier, Ind., successor. Wheat Flour. 63,815; renewed July 9, 1927.

Maass, Henry E., St. Louis, Mo. Hats for women and children. 229,873; July 5.

Macfadden Publications Incorporated, New York, N. Y. Cartoons or comic strips. 229,702–5; July 5; Serial Nos. 245,061–4; published Apr. 26, 1927.

Madelon Modes, Inc. (See Shirley Modes, Inc.)

Magill-Weinsheimer Company, Chicago, Ill. Envelopes. 229,657–8; July 5; Serial Nos. 244,876–7; published Apr. 19, 1927.

Maison Jenny, Société Anonyme, Paris, France. Women's tailor-made suits, dresses, mantles, etc. 229,602; July 5; Serial No. 234,718; published Apr. 19, 1927.

Major Fruit Products Company, Portland, Oreg. Beverages. 229,866; July 5.

Malito Bros. Inc., New York, N. Y. Coats, suits, and dresses. 229,792; July 5; Serial No. 243,867; published Apr. 19, 1927.

Marf Trudeau Co., St. Paul, Minn. Perfumes and toilet waters, face powders, etc. 229,835; July 5; Serial No. 245,796; published Apr. 26, 1927.

Marshall Field & Company, Chicago, Ill. Axminster rugs. 229,758; July 5; Serial No. 245,967; published Apr. 26, 1927.

Martins-Birmingham Limited, Birmingham, England. Waist belts, suspenders, garters, and braces. 229,627; July 5; Serial No. 237,180; published Apr. 19, 1927.

Maxwell, S. A., & Co. Inc., Chicago, Ill. Window shades. 229,900; July 5.

McCurrach, James, & Brother, New York, N. Y. Necktties. 229,902; July 5.

McDougall Company, Frankfort, Ind. Kitchen cabinets, domestic units in the nature of cupboard units. 229,590; July 5; Serial No. 231,625; published Apr. 26, 1927.

McElroy, Will T., doing business as W. T. McElroy Co., Ottumwa, Iowa. Corn flakes. 229,691; July 5; Serial No. 243,317; published Apr. 19, 1927.

McNeal, H. B., doing business as Pittsburgh Pretzel Co., Limited, Pittsburgh, Pa. Pretzels. 229,871; July 5.

Melachol Pharmacal Company. (See Moffit-West Drug Co., assignor.)

Mid-States Gummed Paper Company, Chicago, Ill. Textile fabric tape. 229,809–10; July 5; Serial No. 245,741–2; published Apr. 19, 1927.

Millers Falls Company. (See West Haven Mfg. Co., The, assignor.)

Model Mill Company, Johnson City, Tenn. Plain wheat flour and self-rising flour. 229,681; July 5; Serial No. 242,736; published Mar. 22, 1927.

Model Mill Company, Johnson City, Tenn. Plain wheat flour and self-rising flour. 229,848; July 5; Serial No. 227,592; published Apr. 13, 1926.

Moffit-West Drug Co., assignor to Melachol Pharmacal Company, St. Louis, Mo. Remedy for diseases of the liver. 62,929; renewed May 28, 1927.

Monarch Drug Co., The, San Diego, Calif. Treatment for venomous snake bites. 229,785; July 5; Serial No. 244,509; published Apr. 26, 1927.

Monmouth Rug Mills, Inc., Englishtown, N. J. Oval Axminster rugs. 229,757; July 5; Serial No. 246,108; published Apr. 26, 1927.

Moorman, C. P., & Company, Inc., to The Wheeler Company, Incorporated, Louisville, Ky., successor. Whisky. 62,714–17; renewed May 21, 1927.

Moorman, C. P., & Company, Inc., to The Wheeler Company, Incorporated, Louisville, Ky., successor. Whisky. 62,768; renewed May 21, 1927.

Morey, C. S., Mercantile Company, The, to The Morey Mercantile Company, Denver, Colo, successor. Dried fruits, olives, canned fruits and vegetables. 66,038; renewed Nov. 5, 1927.

Morey, C. S., Mercantile Company, The, to The Morey Mercantile Company, Denver, Colo., successor. Coffee. 66,165; renewed Nov. 12, 1927.

Morgan Company, The, Peoria, Ill. Varnishes. 229,700; July 5; Serial No. 245,156; published Apr. 19, 1927.

Morrill, Sarah C., to Chas. Morrill, Inc., New York, N. Y., successor. Certain edge tools. 63,023; renewed June 4, 1927.

Motor Registration News of California, Oakland, Calif. Statistical lists. 229,720; July 5; Serial No. 245,363; published Apr. 26, 1927.

Mueller Co., Decatur, Ill. Soldering nipples. 229,813; July 5; Serial No. 244,565; published Apr. 19, 1927.

Mulford, H. K., Company, Philadelphia, Pa. Preparation of bismuth. 66,102; renewed Nov. 12, 1927.

New York Corrugated Case Co., Inc., Brooklyn, N. Y. Pasteboard shipping containers having corrugated air-cushion pads. 229,663; July 5; Serial No. 225,027; published Mar. 16, 1926.

Nicolay & Co., Zurich, Switzerland, and Hanan, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Ferruginous preparation. 58,412; renewed Dec. 11, 1926.

Noe Equl Textile Mills, Inc., Reading, Pa. Underwear. 229,596; July 5; Serial No. 233,892; published Apr. 19, 1927.

Noe Equl Textile Mills, Inc., Reading, Pa. Hosiery. 229,769; July 5; Serial No. 238,069; published Apr. 19, 1927.

Norfolk Cereal and Flour Mills Company, Norfolk, Nebr. Wheat flour, shorts, bran, etc., and poultry foods. 229,853; July 5; Serial No. 228,259; published Apr. 19, 1927.

North America Mercantile Company, San Francisco, Calif. Canned crab. 229,867; July 5.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,054; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,056; renewed June 4, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 63,912; renewed July 16, 1927.

Northwestern Fisheries Company, Seattle, Wash., assignor to Booth Fisheries Company, Chicago, Ill. Canned fish. 64,068; renewed July 23, 1927.

Nu Bone Corset Company, The, Los Angeles, Calif. Ladies' corsets. 229,745; July 5; Serial No. 212,022; published Mar. 2, 1926.

Nurre Mirror Plate Company, Bloomington, Ind. Mirrors. 229,708; July 5; Serial No. 244,625; published Apr. 26, 1927.

O-U-Dust Corporation, Pasadena, Calif. Brushes, mops, dusters, and dusting cloths. 229,638; July 5; Serial No. 238,664; published Apr. 26, 1927.

Oak Press, The, New York, N. Y. Mailing wrappers. 229,694; July 5; Serial No. 245,103; published Apr. 26, 1927.

Oberman, D. M., Mfg. Co., Jefferson City, Mo., and New York, N. Y. Shirts, lumberjack shirts, pants, etc. 229,591; July 5; Serial No. 231,750; published Apr. 19, 1927.

Oilanshine Company, The. (See Herriott Bros. & Co.)

Old Time Mince Meat Corporation, Syracuse, N. Y. Mincemeat. 229,817; July 5; Serial No. 241,295; published Apr. 19, 1927.

Oliver Chilled Plow Works, South Bend, Ind. Farm cultivators for use prior to planting. 229,641; July 5; Serial No. 240,435; published Apr. 26, 1927.

Olympia Knitting Mills, Inc., Olympia, Wash. Swimming suits. 229,890; July 5.

Oppenheim, Oberndorf & Co., Inc. (See King, Robert C., & Co., assignor.)

Orbon Stove Co., Belleville, Ill. Heaters for burning coal, wood, and gas as fuels. 229,659; July 5; Serial No. 244,881; published Apr. 26, 1927.

Pacific Kiddie Coat Company. (See Bass, Nathan.)

Page, Wm. H., Boiler Co., The, Norwich, Conn., and New York, N. Y. Hot-water boilers and steam boilers. 64,673; renewed Aug. 20, 1927.

Page, Wm. H., Boiler Co., The, Norwich, Conn., and New York, N. Y. Hot-water and steam boilers. 64,691; renewed Aug. 20, 1927.

Palmer, N., Belting Co., The, Bridgeport, Conn. Leather belting. 229,801; July 5; Serial No. 245,652; published Apr. 26, 1927.

Paper Mills' Company, The, Chicago, Ill. Writing paper and mailing envelopes. 229,746; July 5; Serial No. 215,090; published Apr. 26, 1927.

Paramount Knitting Company, assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 66,340–1; renewed Nov. 19, 1927.

Paramount Paper and Specialty Company, Inc., New York, N. Y. Bond paper. 229,709; July 5; Serial No. 244,627; published Apr. 26, 1927.

Parker Brothers, Portland, Me., and Salem, Mass. Game. 229,660; July 5; Serial No. 244,882; published Apr. 26, 1927.

Passloff Bros. Inc., New York, N. Y. Ladies' hats. 229,743; July 5; Serial No. 208,419; published Apr. 19, 1927.

Payson Varnish Co., The, New York, N. Y. Paints, varnishes, enamels, etc. 229,780; July 5; Serial No. 244,412; published Apr. 19, 1927.

Pedersen, Johannes T., New York, N. Y. Fork-tine straighteners. 229,839; July 5; Serial No. 245,919; published Apr. 26, 1927.

Peerless Roll Leaf Co., Inc., New York, N. Y. Imitation gold and silver leaf. 229,670; July 5; Serial No. 226,968; published Apr. 26, 1927.

Peninsular Paint and Varnish Company, Ltd., assignor to Peninsular Paint and Varnish Company, Detroit, Mich. Paints and painters' materials. 65,911; renewed Oct. 29, 1927.

Perfect Fit Manufacturing Co., Portland, Oreg. Automobile tops, side curtains, and seat covers. 229,872; July 5.

Physicians Cooperative Association, The, Chicago, Ill. Remedy for inebriety. 65,858; renewed Oct. 29, 1927.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 229,611; July 5; Serial No. 245,223; published Apr. 19, 1927.

Pittsburgh Pretzel Co. (See McNeal, H. B.)

Planten, John R., assignor to H. Planten & Son, Inc., Brooklyn, N. Y. Medicine. 66,108; renewed Nov. 12, 1927.

Platt, Maurice A., New York, N. Y. Monthly bulletin. 229,690; July 5; Serial No. 245,287; published Apr. 26, 1927.

Play Paddle Mfg. Co. (See Thompson, Andrew L.)

Power, William A. F., Harvard, Mass. Porringers, bowls, basins, mugs, etc. 229,640; July 5; Serial No. 240,318; published Apr. 26, 1927.

Press Publishing Company, New York, N. Y. Title of a daily article of boxing news and comment in the World newspaper. 229,717; July 5; Serial No. 245,408; published Apr. 26, 1927.

Presto Bow Tie Company. (See Ruben, Charles.)

Purity Chemical Products Company, Santa Rosa, Calif. Insecticides of all kinds. 229,788; July 5; Serial No. 244,570; published Apr. 26, 1927.

Purvis, Edward R., Shreveport, La. Polish for automobiles, furniture, etc. 229,741; July 5; Serial No. 203,387; published Apr. 19, 1927.

Rajah Auto-Supply Company, New York, N. Y., assignor to The Rajah Company, Bloomfield, N. J. Spark plugs, terminals, hoods, etc. 63,884; renewed July 9, 1927.

Real Adventures Pub. Co., Inc., New York, N. Y. Magazine. 229,777; July 5; Serial No. 244,241; published Apr. 26, 1927.

Red Label Products Company. (See Rosenfeld, David L.)

Reed & Carnrick, Jersey City, N. J. Medicinal preparations. 229,734; July 5; Serial No. 244,107; published Apr. 26, 1927.

Reynolds Spring Company, Jackson, Mich. Spring structures. 229,723; July 5; Serial No. 243,561; published Apr. 26, 1927.

Richmond Cedar Works, Richmond, Va. Ice-cream freezers. 66,255; renewed Nov. 19, 1927.

Robinson Shields Company, Mechanicville, N. Y. Antiseptic ointment. 229,732, July 5; Serial No. 244,027; published Apr. 26, 1927.

Roessel, Louis, & Co., Inc., Hazleton, Pa., and New York, N. Y. Silk goods in the piece. 229,645; July 5; Serial No. 241,299; published Apr. 26, 1927.

Roll-A-Way Bed Corporation, Chicago, Ill. Couches, beds, mattresses, and bed springs. 229,849; July 5; Serial No. 227,853; published Apr. 26, 1927.

Rosenberg, Hugo, Charlottenburg, near Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Local anesthetic. 63,554; renewed June 25, 1927.

Rosenberg, Hugo, near Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Subcutaneous injections. 63,562; renewed June 25, 1927.

Rosenberg, Hugo, Charlottenburg, near Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Remedy for certain diseases. 63,563; renewed June 25, 1927.

Rosenfeld, David L., doing business as Red Label Products Company, Philadelphia, Pa. Barley-malt sirup. 229,613; July 5; Serial No. 245,297; published Apr. 26, 1927.

Roto Company, The, Newark, N. J. Tube cleaners, boiler hand-hole seat scrapers, etc. 229,802; July 5; Serial No. 245,659; published Apr. 26, 1927.

Ruben, Charles, doing business as Presto Bow Tie Company, Pittsburgh, Pa. Neckties. 229,618; July 5; Serial No. 245,371; published Apr. 19, 1927.

Rubin Blouse & Dress Company, New York, N. Y. Blouses and dresses. 229,827; July 5; Serial No. 243,458; published Apr. 19, 1927.

Sager Glove Corporation, The, Chicago, Ill. Leather gloves. 229,904; July 5.

Salomon, Charles, & Co. Inc., New York, N. Y. Dresses. 229,818; July 5; Serial No. 241,500; published Apr. 19, 1927.

Samter, L., & Sons, San Francisco, Calif. Ties and cravats. 229,828; July 5; Serial No. 243,562; published Apr. 19, 1927.

San-I-Sal Laboratories, Inc., Washington, D. C. Nasal emollient. 229,840; July 5; Serial No. 245,926; published Apr. 26, 1927.

Schneider, Emil D., doing business as Gintone Laboratories, Memphis, Tenn. Brilliantine. 229,843; July 5; Serial No. 246,055; published Apr. 26, 1927.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 229,794; July 5; Serial No. 243,977; published Apr. 19, 1927.

Schorr-Kolkschneider Company, St. Louis, Mo. Malt extracts for food purposes. 229,856; July 5; Serial No. 228,669; published June 29, 1926.

Scott Drug Company, Charlotte, N. C. Insecticide. 229,841; July 5; Serial No. 245,928; published Apr. 26, 1927.

Sears & Derr Company, Chillicothe, Ohio. Beverages and sirups used in making the same. 229,595; July 5; Serial No. 233,580; published Apr. 26, 1927.

Sears & Derr Company, The, Chillicothe, Ohio. Beverages. 229,811; July 5; Serial No. 245,755; published Apr. 26, 1927.

Selby, Ralpha H., Fairoaks, Calif. Dried fruits. 229,635; July 5; Serial No. 238,288; published Apr. 26, 1927.

Selby, Ralpha H., Fairoaks, Calif. Dried figs. 229,770; July 5; Serial No. 238,287; published Apr. 26, 1927.

Service Equipment Co., Southgate, Calif. Air-pressure gauges. 229,599; July 5; Serial No. 234,005; published Apr. 26, 1927.

Shaffer, Cleve T., doing business as Dek Sales Co., San Francisco, Calif. Net game. 229,862; July 5.

Shekter, Abraham, New York, N. Y., assignor to A. B. Fisher. Nasal douche. 229,636; July 5; Serial No. 238,289; published Apr. 12, 1927.

Sherman-Williams Company. (See Finke, Alice L.)

Sherr Bros., New York, N. Y. Dresses. 229,793; July 5; Serial No. 243,890; published Apr. 19, 1927.

Shipley & Vaux Shoe Mfg. Co., Philadelphia, Pa. Shoes. 229,684; July 5; Serial No. 243,066; published Apr. 19, 1927.

Shirley Modes, Inc., now, by change of name, Madelon Modes, Inc., New York, N. Y. Dresses, blouses, scarfs, sweaters, etc. 229,740; July 5; Serial No. 199,092; published Apr. 19, 1927.

Short Stories Company Ltd., New York, N. Y., assignor to Doubleday Page & Co., Garden City, N. Y. Magazines and periodicals. 63,899; renewed July 16, 1927.

Shreve & Adams, Inc., New York, N. Y. Hosiery. 229,651; July 5; Serial No. 244,725; published Apr. 19, 1927.

Simpson, James F., doing business as Simpson Manufacturing Company, Fort Smith, Ark. Insecticide. 229,894; July 5.

Simpson, Wm., Sons & Co., Philadelphia, Pa.; New York, N. Y.; Baltimore, Md.; Chicago, Ill; and St. Louis, Mo.; assignor to Wm. Simpson, Sons & Co., Philadelphia, Pa. Dyed cotton piece goods. 66,430; renewed Nov. 26, 1927.

Sinclair, T. M., & Co., Ltd., Cedar Rapids, Iowa. Lard compound. 66,312; renewed Nov. 19, 1927.

Slater, Richard, doing business as Gas-Trove Medicine Co., Chattanooga, Tenn. Tonic for indigestion, pains in the back and abdomen, constipation, etc. 229,622; July 5; Serial No. 245,586; published Apr. 26, 1927.

Sloan, Roland H., New York, N. Y., assignor to International Fire Equipment Corporation, West New Brighton, N. Y. Fire-extinguishing grenades and supports therefor. 229,899; July 5.

Smith, E. T., Company, Worcester, Mass. Canned goods. 229,727; July 5; Serial No. 248,831; published Apr. 19, 1927.

Société Anonyme Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 229,761; July 5; Serial No. 245,758; published Apr. 26, 1927.

Societe La France Toilet Goods Co., Inc., New York, N. Y. Perfumes, toilet waters, rouges, etc. 229,594; July 5; Serial No. 238,289; published Aug. 10, 1926.

Southern Coffee Mills, Limited, New Orleans, La. Roasted and ground coffee. 229,642. July 5; Serial No. 241,007; published Apr. 26, 1927.

Spalding, A. G., & Bros., Jersey City, N. J., and New York, N. Y. Footwear. 64,081; renewed July 23, 1927.
Squilla and De Lacy Limited, Clitheroe, England. Preparations for the prevention and treatment of diseases of pigeons or poultry. 229,685–7; July 5; Serial Nos. 243,068–70; published Apr. 26, 1927.
Standard Corset Company, The, New York, N. Y. Combination garments for ladies' underwear, corselets, etc. 229,667; July 5; Serial No. 226,571; published Apr. 19, 1927.
Standard Growers Exchange, Orlando, Fla. Fresh fruits and vegetables. 229,744; July 5; Serial No. 211,717; published Apr. 26, 1927.
Stanko, Januarius R., doing business as J. R. Stanko and Co., Detroit, Mich. Furniture polish in liquid form. 229,779; July 5; Serial No. 244,372; published Apr. 19, 1927.
Stanley, John T., to John T. Stanley Co. Inc., New York, N. Y., successor. Cleansing compound. 57,901; renewed Dec. 4, 1926.
Stearns, F. U., & Company, New York, N. Y. Cotton piece goods. 229,682; July 5; Serial No. 242,923; published Apr. 26, 1927.
Stearns, Frederick, & Company, Detroit, Mich. Medicines. 65,628; renewed Oct. 15, 1927.
Stein-Bloch Co., The, Rochester, N. Y. Coats and overcoats. 229,588; July 5; Serial No. 230,774; published Apr. 19, 1927.
Stern, Norbert, doing business as United Furnace Company of America, Pittsburgh, Pa. Furnaces. 229,749; July 5; Serial No. 244,373; published Apr. 26, 1927.
Stollwerck Bros., New York, N. Y., assignor, by mesne assignments, to The Stollwerck Chocolate Company, Stamford, Conn. Cocoa, chocolate, and candy. 66,311; renewed Nov. 19, 1927.
Stover, Inc., Detroit, Mich. Skin creams, skin lotions, dental cream, etc. 229,846; July 5; Serial No. 245,033; published Apr. 26, 1927.
Stroschein, Johann E., Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Pharmaceutical preparations. 30,338; renewed July 6, 1927.
Studebaker Corporation, The, South Bend, Ind. Automobiles and structural parts thereof. 229,607; July 5; Serial No. 236,350; published Apr. 26, 1927.
Sullivan, Charles A., San Francisco, Calif. Liquid polish for pianos, furniture, and automobiles. 229,730; July 5; Serial No. 243,832; published Apr. 19, 1927.
Sullivan Company, The, Memphis, Tenn. Composition for treating cut oil, basic sediment oil, oil-tank bottoms, etc. 229,863; July 5.
Sullivan Company, The, Memphis, Tenn. Preparation for hardening, dustproofing, acidproofing, oilproofing, and waterproofing concrete and cement surfaces, etc. 229,901; July 5.
Sullivan Smythfield Company, Philadelphia, Pa. Handkerchiefs. 229,759–60; July 5; Serial Nos. 245,814–15; published Apr. 26, 1927.
Suma-Dore Products, Inc., New York, N. Y. Toilet preparations—namely, hair pomade, skin-nourishing creams, etc. 229,600; July 5; Serial No. 234,060; published Aug. 31, 1926.
Super-Septic Tank & Engineering Company. (See Wilson, Frederick E.)
Supreme Corset Co. (See Alonso, Blanch.)
Synnott, John, Fort Scott, Kans. Medicine for piles. 229,614; July 5; Serial No. 245,305; published Apr. 26, 1927.
Taffae & Bellion, doing business as Glas-Jar Coffee Co., New York, N. Y., assignor to Glas-Jar Coffee Co., Inc. Coffee and fancy orange pekoe tea. 229,878; July 5.
Tait Paper and Color Industries, Inc., The, Glens Falls, N. Y. Wall paper. 229,826; July 5; Serial No. 243,398; published Apr. 19, 1927.
Tax Digest, Inc., Boston, Mass. Blank forms. 229,773; July 5; Serial No. 239,605; published Apr. 19, 1927.
Tefra Co., The, Wilmington, Del. Toothbrushes, toothbrush heads and handles therefor. 229,628; July 5; Serial No. 237,478; published Apr. 26, 1927.
Theise, Benjamin R., New York, N. Y. Silk goods in the piece. 229,847; July 5; Serial No. 245,034; published Apr. 26, 1927.
Thermo Electric Instrument Co., The, Irvington, N. J. Electric ovens, incubators, water baths, and automatic temperature controls. 229,888; July 5.
Thompson, Andrew L., doing business as Play Paddle Mfg. Co., Seattle, Wash. Table games played with a ball on a board. 229,643; July 5; Serial No. 241,073; published Apr. 26, 1927.
Times-Picayune Publishing Co., The, New Orleans, La. News pictures. 229,650; July 5; Serial No. 245,381; published Apr. 26, 1927.
Topflow, H. L., & Co., New York, N. Y. Hats and caps. 229,825; July 5; Serial No. 243,329; published Apr. 19, 1927.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners of the squeegee type. 229,756; July 5; Serial No. 244,895; published Apr. 26, 1927.
Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Radiator inclosures and cabinets serving as artistic and ornamental additions to furniture. 229,798; July 5; Serial No. 245,598; published Apr. 26, 1927.
Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Radiator inclosures and cabinets. 229,799; July 5; Serial No. 245,600; published Apr. 26, 1927.
Uhlfelder, Leo, Co., New York, N. Y. Liquid colors for hand painting on textile fabrics. 229,775; July 5; Serial No. 244,194; published Apr. 19, 1927.
Union Bag & Paper Company, The, New York, N. Y., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper and paper boards for wrapping purposes. 63,687; renewed July 2, 1927.
Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 63,688; renewed July 2, 1927.
Union Fishermen's Co-Operative Packing Co., Astoria, Oreg. Canned salmon. 229,601; July 5; Serial No. 234,424; published Sept. 21, 1926.
Union Talc Company of Gouverneur, New York and Gouverneur, N. Y. Pulp. 229,884; July 5.
Union Talc Company of Gouverneur, New York and Gouverneur, N. Y. Pulp. 229,887; July 5.
Union Tank & Pipe Co., Los Angeles, Calif. Construction materials. 229,668; July 5; Serial No. 226,699; published Mar. 30, 1926.
United Furnace Company. (See Stern, Norbert.)
United States Glass Company, Pittsburgh, Pa. Glass tableware and glass decorative ware. 229,592; July 5; Serial No. 231,961; published Aug. 24, 1926.
United States Graphite Company, The, Saginaw, Mich. Self-lubricating metal-graphite bearings. 229,837; July 5; Serial No. 245,817; published Apr. 26, 1927.
Upjohn Company, The, Kalamazoo, Mich. Effervescent salt. 229,845; July 5; Serial No. 246,136; published Apr. 26, 1927.
Utility Manufacturing Company Inc., Baltimore, Md. Kitchen wire goods. 229,834; July 5; Serial No. 245,765; published Apr. 26, 1927.
Valhalla Company, The, Chicago, Ill. Solution of sodium hypochloride. 229,619; July 5; Serial No. 245,460; published Apr. 26, 1927.
Verley, Albert, Inc., Chicago, Ill. Aromatic alcohols, aromatic aldehydes, esters, ketones, etc. 229,695; July 5; Serial No. 245,119; published Apr. 26, 1927.
Victor X-Ray Corporation, Chicago, Ill. Bucky diaphragms or secondary ray filters, cassettes, etc. 229,661; July 5; Serial No. 222,645; published Apr. 26, 1927.
Virginia Dare Extract Co., Brooklyn, N. Y. Flavoring extracts for food purposes. 229,895; July 5.
Votteler-Holtkamp-Sparling Organ Company, The, Cleveland, Ohio. Pipe organs and parts thereof. 229,880; July 5.
Wahl, Martin C., El Centro, Calif. Cantaloupes and vegetables. 229,855; July 5; Serial No. 228,627; published Apr. 26, 1927.
Wallace, William M., Chicago, Ill. Shirts. 229,829; July 5; Serial No. 243,569; published Apr. 19, 1927.
Walser Manufacturing Company, The. (See Knecht, Louis.)
Ward, Samuel, Manufacturing Company, Boston, Mass. Diaries. 229,652; July 5; Serial No. 244,721; published Apr. 19, 1927.
Warren, Fred D., doing business as The Dwight Company, Chicago, Ill. Face lotions. 229,877; July 5.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 229,718; July 5; Serial No. 245,384; published Apr. 19, 1927.
Weingarten Bros., New York, N. Y. Women's fitted undergarments. 229,609; July 5; Serial No. 245,173; published Apr. 19, 1927.
Welt & Sons Paper Company, Detroit, Mich. Building and insulating paper. 229,865; July 5.
West Haven Mfg. Co., West Haven, Conn., assignor to Millers Falls Company, Millers Falls, Mass., and New York, N. Y. Hacksaw blades. 63,544; renewed June 25, 1927.
West Haven Mfg. Co., The, West Haven, Conn., assignor to Millers Falls Company, Millers Falls, Mass., and New York, N. Y. Hacksaw frames. 64,250; renewed July 30, 1927.
Westcott Rule Company, Incorporated, Seneca Falls, N. Y. Desk rulers. 229,767; July 5; Serial No. 244,900; published Apr. 26, 1927.
Western Elevator & Mfg. Co., San Jose, Calif. Hydraulic hoists. 229,838; July 5; Serial No. 245,877; published Apr. 26, 1927.
Whaley Mill & Elevator Co., Gainesville, Tex. Wheat flour. 66,317; renewed Nov. 19, 1927.
Wheeler Company, The. (See Moorman, C. P., & Company, Inc.)
White Sewing Machine Co., assignor to White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines and parts. 66,280; renewed Nov. 19, 1927.
Whiting-Plover Paper Company, Stevens Point, Wis. Writing and printing paper. 229,608; July 5; Serial No. 245,128; published Apr. 26, 1927.
Wilcox-Hayes Company, The, Portland, Oreg. Canned fruits, crab meat, salmon, canned beans, etc. 229,776; July 5; Serial No. 244,200; published Apr. 19, 1927.
Williams Manufacturing Company, The, Portsmouth, Ohio. Golf bags. 229,892; July 5.
Wilson, Frederick E., doing business as Super-Septic Tank & Engineering Company, Buffalo, N. Y. Septic tanks. 229,656; July 5; Serial No. 244,842; published Apr. 26, 1927.

Woman's Democratic Club, Rockville, Md. Periodical issued quarterly. 229,589; July 5; Serial No. 230,907; published June 22, 1926.
Wright, William E., and Sons Company, Orange, N. J. Bias-fold tapes and trimmings of fabric. 229,766; July 5; Serial No. 244,907; published Apr. 19, 1927.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Liquid medicine. 65,634; renewed Oct. 15, 1927.
Young, W. H., Corporation, Chicago, Ill. Type-operated inking appliances for typewriters, etc. 229,666; July 5; Serial No. 226,325; published Apr. 26, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Amend, Fred W., Co., Chicago, Ill. Chuckles. For Candy. 32,369; July 5.
Beich, Paul F., Company, Bloomington and Chicago, Ill. School Chews. For Candy. 32,370; July 5.
Butler Paper Products Co., The, Toledo, Ohio. Creamery Butter. For Butter. 32,371; July 5.
California Citrus Cash Cooperative. (See Gobruegge, George H.)
California Wine Grape Products, Inc., San Francisco, Calif. Calsher. For California Sherry Wine Seasoning. 32,372; July 5.
Deedera, Carleton, Winter Haven, Fla. Kilrust. For Compound for Removing and Resisting Rust. 32,373; July 5.
Fecker Company, Danville, Ill. Fecker's. For Malt Extract for Food and Beverage Purposes. 32,374; July 5.
Flatow, Riley and Company, Cincinnati, Ohio. Cincinnatus. For Fresh Tomatoes. 32,375; July 5.
Franklin Process Company, Providence, R. I. Franklin Process Dyed. For Textile Fabrics. 32,376; July 5.
Gobruegge, George H., doing business as California Citrus Cash Cooperative, Riverside, Calif. Golden West. For Oranges. 32,377; July 5.
Heckman, Ethel L., Providence, R. I. Sally Sawyer's Scrap Book. For Materials for Making Scrapbooks. 32,378; July 5.
Kurth Brothers Company, Milwaukee, Wis. Blue Mound. For Canned Pineapple. 32,379; July 5.
Lactein Co., San Francisco, Calif. Lactosan. For Insecticide. 32,380; July 5.
Lekas and Drivas, New York, N. Y. Aristocratic. For Olive Oil. 32,381; July 5.
Little, Mildred A., Brooklyn, N. Y. Little's Famous Pride of the Nation. For Coffee. 32,382; July 5.
Moore, Simmie L., doing business as Pineapple Syrup Co., St. Louis, Mo. Pineapple Brand. For Pineapple Sirup. 32,383; July 5.
Murray California Food Products, Inc., Azusa, Calif. Dainty Maid. For Flavored Fruit Pectin Mixture for Making Jelly and a Fruit Pectin Mixture with Sliced Peel Added for making Jelly or Marmalade. 32,384; July 5.
Newhall, Geo. A., trustee for the estate of Walter S. Newhall, deceased, San Francisco and Duarte, Calif. Newhall. For Fresh Oranges. 32,385; July 5.
Oakbrook Hosiery Mills, Inc., Reading, Pa. Oakbrook. For Hosiery. 32,386; July 5.
Oldham, Arthur E., Johnstown, Pa. Rust-Out. For a Preparation for Cleaning Motor Blocks and Radiators of Automobiles. 32,387; July 5.
Pineapple Syrup Co. (See Moore, Simmie L.)
Pomona Fruit Growers Exchange, Pomona, Calif. Pueblo. For Oranges. 32,388; July 5.
Pomona Fruit Growers Exchange, Pomona, Calif. Apache. For Oranges. 32,389; July 5.
Pomona Fruit Growers Exchange, Pomona, Calif. Parrot. For Oranges. 32,390; July 5.
Pomona Fruit Growers Exchange, Pomona, Calif. Hawk. For Oranges. 32,391; July 5.
Redlands Foothill Groves Incorporated, Redlands, Calif. Foothill. For Oranges. 32,392; July 5.
Robinson Syrup Company, Cairo, Ga. Plantation Pride. For Table Sirup. 32,393; July 5.
Satinlac Co., Inc., The, Brooklyn, N. Y. Duroglos. For Polishes and Cleansers. 32,394; July 5.
Shake-Well Products Co., Los Angeles, Calif. Shake-Well. For Automobile Cleaner. 32,395; July 5.
Silver Leaf Beverage Co. (See Wegemer, Norbert R.)
Teague-McKevett Company, Santa Paula, Calif. Golden Bowl. For Lemons. 32,396; July 5.
United Products Co., St. Louis, Mo. Your Choice Brand. For Soap. 32,397; July 5.
Wegemer, Norbert R., doing business as Silver Leaf Beverage Co., Detroit, Mich. Silver Gin Fizz. For a Carbonated Drink. 32,398; July 5.
Welling, F. H., San Francisco, Calif. Caliptus Soap. For a Germicidal Hygienic Bath and Toilet Soap Combined with Eucalyptus Oil. 32,399; July 5.
West Indies Fruit Importing Company, Chicago, Ill. Cuban Gems. For Pineapple. 32,400; July 5.
West Indies Fruit Importing Company, Chicago, Ill. Senorita. For Fresh Pineapples. 32,401; July 5.
Wickesser & Sons, Ozone Park, N. Y. All in One. For Furniture Polish. 32,402; July 5.
Wilcox-Hayes Co., The, Portland, Oreg. Nesquin. For Canned Pears. 32,403; July 5.
Zellerbach Paper Co., San Francisco, Calif. Rain Proof Genuine Kraft Raisin Tray Paper. For Paper Linings for Raisin Trays. 32,404; July 5.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Abbott, William, Portland, Oreg. Film Oil. For Lubricating Oils. 10,010; July 5.
American Writing Paper Co., Inc., Holyoke, Mass. What Makes one Catalog More Successful Than Another. For Business Papers. 10,011; July 5.
American Writing Paper Co., Inc., Holyoke, Mass. How Are You Going to Reach Your Partially Developed or Undeveloped Markets? For Eagle-A Business Papers. 10,012; July 5.
American Writing Paper Company, Inc., Holyoke, Mass. One of the World's Greatest Newspapers Using Rag Paper for Permanence. For Eagle-A Business Papers. 10,013; July 5.
B. V. D. Company, Inc., The, New York, N. Y. There's Such a Thing as Sincere Underwear. For Athletic Underwear. 10,014; July 5.
B. V. D. Company, Inc., The, New York, N. Y. The Mainroad to Comfort. For Athletic Underwear. 10,015; July 5.
Cable Company, The, Chicago, Ill. Piano Style Sheet. For Pianos. 10,016; July 5.
Chigger-Choke Company. (See Schoffelmayer, Victor H.)
Common Sense Novelty Co., Chicago, Ill. Your Shoes Denote Your Character. For Shoes. 10,017; July 5.
Cream of Wheat Co., Minneapolis, Minn. This Boy Can Knock it out of the Lot. For Wheat Breakfast Food. 10,018; July 5.
Cream of Wheat Co., Minneapolis, Minn. She Runs as Fast as Any Boy. For Wheat Breakfast Food. 10,019; July 5.
Crystal Chemical Company, Inc., The, New York, N. Y. Try This Simple Test For Moisture-Proofing. For Talcum Powders for Nursery and Toilet Use. 10,020; July 5.
Doyle, W. H., New York, N. Y. All Music is Built Around the Piano—Teach Your Child to Play It. For Pianos. 10,021; July 5.
French Beauty Products Co., Inc., New York, N. Y. Princess Mary, Beauty and Charm. For Toilet Articles. 10,022; July 5.
French Beauty Products Co., Inc., New York, N. Y. Princess Mary Make-Up. For Toilet Articles. 10,023; July 5.
French Beauty Products Co., Inc., New York, N. Y. Princess Mary, Guide To Facial Loveliness and Personal Grooming. For Toilet Articles. 10,024; July 5.
Gordon, B. M., Schenectady, N. Y. C. C. & B. M. A. For Printed or Ruled Office Stationery. 10,025; July 5.
Indiana Lamp Corporation, Connersville, Ind. For Your Own Safety as Well as The Public—Ilco-Ryan-Lites. For Automobile Lamps. 10,026; July 5.
Marshak Maltmolak Co. Inc., Brooklyn, N. Y. A New Marshak Product. For a Sirup Consisting of Cocoa, Sugar, and Malt. 10,027; July 5.
McClintock, O. B., Company, Minneapolis, Minn. For Safety The Vault O. B. McClintock Co. Ventilator, For Vault Ventilators. 10,028; July 5.
Nielsen, H. P., Sons, Lorain, Ohio. H. P. Nielsen Sons. For Jewelry, Optical Goods, Glass and China Ware, and Gifts. 10,029; July 5.
New Jersey Zinc Company, The, New York, N. Y. Paint For Beauty With This White White Paint. For Paint. 10,030–1; July 5.
Ruppert, Jacob, New York, N. Y. Knickerbocker Ruppiner. For a Beverage. 10,032; July 5.
Schoffelmayer, Victor H., doing business as Chigger-Choke Company, Dallas, Tex. Chigger-Choke. For Chigger-Control in Powder Form. 10,033; July 5.
Stanco Distributors, Incorporated, Wilmington, Del. Flit Kills Moths—Again Flit Will Lead. For Insecticide. 10,034; July 5.
Standard Oil Company (New Jersey), Bayonne, N. J. Kill Insect Pests—Spray. For Insecticide. 10,035; July 5.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aalborg Portland-Cement-Fabrik, Aalborg, Denmark. Whiting. 247,155; July 5.

Acme Brick Company, Danville, Ill. Brick. 248,383; July 5.

Acme Brick Company, Danville, Ill. Brick. 248,386; July 5.

Adams-Sibley Development Corporation, New York, N. Y. Electric pick-ups used in connection with electric sound-reproducing machines. 248,602; July 5.

Ades-Lexington Dry Goods Co., Lexington, Ky. Overalls, work shirts, coats, and jumpers. 245,879; July 5.

Agasote Millboard Co., The, Trenton, N. J. Fiber boards. 249,251; July 5.

Allstates Oil & Supply Co. (See From, Abraham.)

American Cable Company, Inc., Wilmington, Del., and New York, N. Y. Wire rope. 232,112; July 5.

American Cellulose & Chemical Manufacturing Company, Ltd., The, now, by change of name, Celanese Corporation of America, New York, N. Y. Hosiery, dresses, coats, underwear, etc. 239,349; July 5.

American Metal Products Corporation, San Francisco, Calif. Automatic electrical lighters and dispensers for cigars, cigarettes, etc. 248,341; July 5.

Anderson, Paul C., doing business as Anderson & Hillman, Beaumont, Tex. Butter and eggs. 248,462; July 5.

Apex Motor Fuel Company, doing business as Apex Laboratories, Chicago, Ill. Dry cleaner. 228,792; July 5.

Arlt, Anna H., Brooklyn, N. Y. Witch-hazel extracts, dusting powders, liquid nail polish, depilatories, etc. 228,962; July 5.

Arnao, Charles, Company, Inc., Minneapolis, Minn. Oil. 249,633; July 5.

Arr Tee Knitting Mills, Philadelphia, Pa. Swimming suits. 247,661; July 5.

Auerbach Company, Salt Lake City, Utah. Nightgowns, bathing suits, etc. 247,060; July 5.

Augusta Lime Company, Staunton, Va. Lime. 249,775; July 5.

Baldwin-Tarvin Company, The, Cincinnati, Ohio. Material for making cementitious structures. 248,951; July 5.

Barnet Leather Co., Inc., New York, N. Y. Leather. 244,387; July 5.

Behr Bros. Co. Inc., New York, N. Y. Pianos and player pianos. 231,180; July 5.

Behrens & Kashins, Inc., New York, N. Y. Blanket, bath, lounging, and house robes. 248,218; July 5.

Best & Co., Inc., New York, N. Y. Woolly dogs, dolls, rattles, etc. 242,469; July 5.

Beuchel, Bertha, doing business as Rekwizit Baking Co., St. Louis, Mo. Bran wafers. 248,276; July 5.

Beutell, Charles A., doing business as Service Laboratories, Omaha, Nebr. Moth crystals. 249,833; July 5.

Bianchini, Ferier, Lyons, France. Piece goods of silk, wool, cotton, and hairs. 247,671; July 5.

Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Steel castings. 248,808; July 5.

Bishop and Company, Los Angeles, Calif. Graham crackers. 247,247; July 5.

Blechman, S., & Sons, Inc., New York, N. Y. Wash cloths, cloth blankets, etc. 247,252; July 5.

Blechman, S., & Sons, Inc., New York, N. Y. Powder puffs. 247,254; July 5.

Blechman, S., & Sons, Inc., New York, N. Y. Tapestry and wall drapes, curtains, etc. 247,255; July 5.

Bliss, Geo. R., & Son, Inc., Worcester, Mass. Coats, trousers, suits, and overcoats. 248,669; July 5.

Bond Stores, Incorporated, New York, N. Y. Clothing. 245,887; July 5.

Boston & Lockport Block Company, East Boston, Mass. Heavy hardware. 238,567; July 5.

Brodie's, Inc., Seattle, Wash. Hop-flavored malt sirup. 249,509; July 5.

Brunschwig, Felix, & Co. Inc., El Paso, Tex. Women's and children's wearing apparel. 247,531; July 5.

Buckeye Producing Co., The, Toledo, Ohio. Malt sirup. 241,516; July 5.

Bullock, John H., Cohoes, N. Y. Bread. 218,596; July 5.

Callahan, C., Company, The, La Fayette, Ind. Ammonia, baking soda, baking powder, etc. 248,553; July 5.

Campbell Coal Company, Marietta, Atlanta, Ga. Coal. 244,540; July 5.

Cappas, Harry, Chicago, Ill. Beverage and sirup for making the same. 249,487; July 5.

Carbocite Incorporated, Huntington, W. Va. Fuel in the form of briquettes and in granular or powdered form. 178,427; July 5.

Carr and Craig, Baltimore, Md. Malt sirup. 249,779; July 5.

Carson Pirie Scott & Co., Chicago, Ill. Men's and boys' union suits. 231,523; July 5.

Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company, Ltd., The.)

Charter Oak Stove & Range Company, St. Louis, Mo. Electric stoves and ranges. 248,219; July 5.

Chatterton & Son, Lansing, Mich. Dried beans. 244,666; July 5.

Chicago Hardware Foundry Company, North Chicago, Ill. Lavatory drying apparatus of the electrically-actuated type. 248,346; July 5.

Chicago Mail Order Company, Chicago, Ill. Rubber tires, inner tubes, etc. 235,110; July 5.

Citrus Products Corporation, Los Angeles, Calif. Fruit juices for beverage purposes. 207,968; July 5.

Clark Restaurant Company, The, Cleveland, Ohio. Coffee. 221,693; July 5.

Climax Hosiery Mills, Athens, Ga. Hosiery. 248,738; July 5.

Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Clothing for men. 248,158; July 5.

Cohen & Rosenberger, Inc., New York, N. Y. Necklaces, brooches, bracelets, etc. 247,888–9; July 5.

Collier's Beacon Inn, Inc., Washington, D. C. Cakes, pies, sandwiches, etc. 248,348; July 5.

Comer Manufacturing Company, The, doing business as Dayton Textile Co., Dayton, Ohio. Raincoats and suits. 248,089; July 5.

Continental Paper & Bag Mills Corporation, New York, N. Y. Wrapping paper. 246,268; July 5.

Contract Waterproofing Company, St. Louis, Mo. Gray iron. 244,987; July 5.

Cracker Jack Co., The, Chicago, Ill. Raw popcorn. 232,814; July 5.

Crescent Rubber Company, Inc., New York, N. Y. Slickers, raincoats, sheepskin coats, and rain hats. 237,407; July 5.

Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 248,814; July 5.

Dayton Textile Co. (See Comer Manufacturing Company, The.)

Deeney, Roger J., doing business as John Deeney & Son, Philadelphia, Pa. Hardwood floors. 245,959; July 5.

Dickinson, Albert, Company, The, Chicago, Ill. Cloth bags. 248,665; July 5.

Dodson, Alcada F., doing business as Dodson Manufacturing Company, Chicago, Ill. Key holders. 249,409; July 5.

Draper-Maynard Company, The, Plymouth, N. H. Golf balls. 249,648; July 5.

Duncan, Sprankle & Turgeon, assignors to Oasis, Incorporated, New York, N. Y. Sandwiches and coffee. 229,378; July 5.

Duncan, Sprankle & Turgeon, assignors to Oasis, Incorporated, New York, N. Y. Sandwiches. 229,379; July 5.

Duncan, Sprankle & Turgeon, assignors to Oasis, Incorporated, New York, N. Y. Sandwiches and coffee. 229,380; July 5.

Duncan, Sprankle & Turgeon, assignors to Oasis, Incorporated, New York, N. Y. Sandwiches. 229,381; July 5.

Duncan, Sprankle & Turgeon, assignors to Oasis, Incorporated, New York, N. Y. Sandwiches and coffee. 229,382; July 5.

Duplex Pin Company, Inc., San Francisco, Calif. Hairpins. 238,435; July 5.

Duradex Company, The, New York, N. Y. Card indexes, guide cards, etc. 247,363; July 5.

Edwards Manufacturing Company, The, Cincinnati, Ohio. Metal lath. 248,624; July 5.

Endicott Johnson Corporation, Endicott, N. Y. Leather and rubber boots and shoes. 248,033–5; July 5.

England, Reuben H. A., Kent, Wash. Radio loud speakers. 244,436; July 5.

Enoch Morgan's Sons Company, New York, N. Y. Detergent preparation. 249,364; July 5.

Esca Pharmaceutical Laboratories, New York, N. Y. Cough medicine. 249,578; July 5.

Euclid Candy Company, The, Cleveland, Ohio. Candy. 231,798; July 5.

Fischer, Carl, Inc., New York, N. Y. Bows for stringed instruments. 242,718; July 5.

Fischer, Carl, Inc., New York, N. Y. Reeds for metal wind instruments. 245,703; July 5.

Foote, Pierson & Company, Inc., New York, N. Y. Slide casters for furniture. 247,469; July 5.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 249,653–4; July 5.

Fredman-Cramer Company, Kansas City, Mo. Preparations used in dressing the hair. 233,539; July 5.

Freund, Adolph, doing business as Vitapine Co., Woodside, Long Island, N. Y. Medical bath liquid. 247,534; July 5.

Friedman, L., Neckwear Corporation, Milwaukee, Wis. Necktles. 246,895; July 5.

Friedr. Herder Abr. Sohn, Solingen, Germany. Razors and safety razors. 249,411; July 5.

From, Abraham, doing business as Allstates Oil & Supply Co., South Bend, Ind. Lubricating oils. 247,073; July 5.

Garcia, Charles F., Washington, D. C. Cigars. 248,096; July 5.

Garfinkel, Frank, doing business as Garfo Chemical Co., New York, N. Y. Mouth wash, catarrhal cream, etc. 245,347; July 5.

Garfo Chemical Co. (See Garfinkel, Frank.)

Garrish, John G., Jersey City, N. J. Dairy cleansers. 249,582; July 5.

Gaston, Roland E., New Kensington, Pa. Medicine. 249,413; July 5.

Gebrüder Stollwerck A. G., Vienna, Austria. Cocoa, chocolate, biscuits, sweetmeats, etc. 236,741; July 5.

General Motors Corporation. (See Howard Automobile Company, assignor.)

Goldsmith, Stern & Company, New York, N. Y. Watches. 245,902; July 5.

Golf Shaft & Block Company, Memphis, Tenn. Shuttle blocks, picker-stick blanks, lawn-mower handle blanks, etc. 214,319; July 5.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Dried and salted codfish. 247,995–6; July 5.

Graf, John, Company, Milwaukee, Wis. Ginger ale and beverages. 249,657; July 5.

Grand Canyon Lime & Cement Co., Los Angeles, Calif. Hydrated lime. 242,720; July 5.

Graves, Frank, Sash, Door & Mill Co., Los Angeles, Calif. Sash balances. 249,054; July 5.

Greco Canning Company, Inc., San Jose, Calif. Canned fruits. 235,208; July 5.

Grimes Radio Engineering Co., Inc., Grassmere, Staten Island, N. Y. Radio receiving sets and parts thereof. 248,898; July 5.

H. & B. Textile Chemical Corporation, New York, N. Y. Preparation for scouring vegetable textile materials. 249,168; July 5.

H. & B. Textile Chemical Corp., New York, N. Y. Water softener for textile finishes. 249,169; July 5.

Hamill, D. L., Co., Buffalo, N. Y. Bathtubs, sinks, lavatories, laundry trays, etc. 248,177; July 5.

Hauser & Weil, New York, N. Y. Overnight cases. 245,557; July 5.

Havens-Blair-Cartlich, Kansas City, Mo. Suits coats, overcoats, and work coats. 248,636; July 5.

Heather Company, New York, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 246,278; July 5.

Herzog, Joseph C., doing business as Nereid Trading Company, Brooklyn, N. Y. Peanuts, almonds, pistachio nuts, etc. 245,053; July 5.

High Point Overall Company, High Point, N. C. Overalls, coats, shirts, pants, and caps. 246,681; July 5.

Hillside Cotton Mills, La Grange, Ga. Textile rugs. 244,935; July 5.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 248,232; July 5.

Holyoke Card & Paper Company, Springfield, Mass. Cover paper. 246,552; July 5.

Home Lighting Company. (See Trump, Charles S.)

Hovey, C. F., Co., Boston, Mass. Blankets, sheets, etc. 247,476; July 5.

Howard Automobile Company, San Francisco, Calif., assignor to General Motors Corporation, Detroit, Mich. Second-hand Buick automobiles repaired, refinished, and restored to substantially their initial condition. 236,037; July 5.

Huger, Daniel E., New York, N. Y. Sunshade headwear. 249,120; July 5.

I-Sis Laboratories, Inc., New York, N. Y. Metal polishes. 249,122; July 5.

Insect Tox Co. (See Mendralski, Walter J.)

International Tobacco Products Company, Inc., Boston, Mass. Cigars. 240,260; July 5.

Interstate Corrugated Box Co., Inc., Brooklyn, N. Y. Corrugated and solid fiber-board cartons. 248,495–7; July 5.

Interstate Smelting & Refining Co. Inc., Newark, N. J. Wedding rings. 247,795; July 5.

Ionox Co. (See Shields, Charles H.)

Jifco, Inc. Massillon, Ohio. Water softener. 243,369; July 5.

Jones, Effie T., San Pedro, Calif. Medicinal aqueous solution. 249,527; July 5.

Jones, F. S., Co., St. Paul, Minn. Overalls. 242,341; July 5.

Justice, Charles B., & Co., San Diego, Calif. Honey. 248,572–3; July 5.

Kadet-Kruger & Co., Chicago, Ill. Ladies' neckwear. 243,857; July 5.

Kass, Irving, New York, N. Y. Brick cleansing compound. 249,009; July 5.

Kasten, David, Yonkers, N. Y. Medicinal preparation. 248,700; July 5.

Kats & Ogush, Inc., New York, N. Y. Watches, watch-cases, and watch movements. 244,080; July 5.

Kats & Ogush, Inc., New York, N. Y. Watches, watch-cases, and watch movements. 248,574; July 5.

Kelly Axe & Tool Co., Inc., Charleston, W. Va. Adzes, axes, bush hooks, grass hooks, grub hoes, etc. 240,142; July 5.

Kick Products Co., The, Grand Junction, Colo. Candy ice-cream cups. 246,911; July 5.

Kobb, Anthony, New York, N. Y. Hosiery and underwear for women. 247,026; July 5.

Kohlberg, Alfred, Inc., New York, N. Y. Silk piece goods and lace fabrics. 249,663; July 5.

Krows Tonic Company. (See Peoples Drug Stores, Inc.)

Kunkel, Louis B., St. Louis, Mo. Shoe dressing and polish. 249,664; July 5.

Laifer, F., & Sons, New York, N. Y. Canned fruits, canned vegetables, etc. 248,848; July 5.

Landay Bros., Inc., New York, N. Y. Cabinets for radio-phonograph, combinations of radio and phonograph. 248,578; July 5.

Leslie-California Salt Co., San Francisco, Calif. Table salt. 242,011; July 5.

Liebich, G. J., Co., Chicago, Ill. Plastic substance consisting largely of wood or other fiber, a binder, and a solvent. 247,798; July 5.

Macartney, R. J., Company, Lawrence, Mass. Suits, shirts, gloves, hats, and caps. 249,132; July 5.

Major Fruit Products Company, Portland, Oreg. Beverages. 246,214; July 5.

Malleable Iron Range Company, Beaver Dam, Wis. Gas and coal ranges, etc. 247,090; July 5.

Malt-O-Egg Company, Everett, Mass. Food products. 247,377; July 5.

Matthews, Daniel, Newark, N. J. Medicinal preparation. 249,597; July 5.

Matthews Electric Supply Co. Inc., Birmingham, Ala. Lighting fixtures. 247,275; July 5.

McLean, Dr. J. H., Medicine Co., The, St. Louis, Mo. Medicinal preparation. 232,931; July 5.

McNeal, H. B., doing business as Pittsburgh Pretzel Co., Limited, Pittsburgh, Pa. Noodles. 247,479; July 5.

Melville Shoe Corporation, New York, N. Y. Hosiery. 248,704; July 5.

Menachof, Bert, doing business as Stanford Laboratories, Cincinnati, Ohio. Tonic. 248,854; July 5.

Mendralski, Walter J., doing business as Insect Tox Co., Chicago, Ill. Insecticide. 249,185; July 5.

Merrimack Manufacturing Company, Lowell, Mass. Pile fabrics. 249,738–9; July 5.

Middlesex Products Company. (See Reversible Collar Company.)

Missouri Clothing Co., St. Louis, Mo. Men's and boys' clothing. 248,184; July 5.

Mitchell, Frederick W., M. D., Cleveland, Ohio. Throat and nasal spray. 242,138; July 5.

Morningstar, Joseph, & Co. Inc., New York, N. Y. Food starches. 245,856; July 5.

Motor Shoppers Parkadrome Markets, Inc., Reno, Nev. Building structures for use in parking automobiles. 233,652; July 5.

Musical America Company, The, New York, N. Y. Publication. 245,857; July 5.

Nashua Manufg. Company, Nashua, N. H. Cotton piece goods. 248,012; July 5.

Nashua Package Sealing Co. Inc., Nashua, N. H. Machines for moistening, serving, or applying adhesive, etc. 245,365; July 5.

Nathanson, Jacob E., Boston, Mass. Imitation candy. 249,672; July 5.

Neiman-Marcus Company, Dallas, Tex. Perfumes and toilet articles. 241,115; July 5.

Nereid Trading Company. (See Herzog, Joseph C.)

Neumann, R., & Company, Hoboken, N. J. Tanned leather. 247,746; July 5.

Neutrowound Radio Mfg. Co., Homewood, Ill. Radio receiving sets and parts thereof. 248,967; July 5.

New Holland Machine Co., New Holland, Pa. Coal-burning furnaces. 248,511; July 5.

News Publishing Company, Inc., The, Galveston, Tex. Title for a daily evening newspaper. 248,185; July 5.

Non-Skid Balloon Heel Corporation, Chicago, Ill. Rubber heels. 223,319; July 5.

North Western Expanded Metal Company, Chicago, Ill. Expanded-metal laths. 249,090; July 5.

Novelty Manufacturing Company, Rockingham, N. C. Household appliance comprising a carton containing an ice-receiving bag and a complemental crushing mallet. 247,812; July 5.

Oasis, Incorporated. (See Duncan, Sprankle & Turgeon, assignors.)

O'Connell, B. W., & Company, Minneapolis, Minn. Ointments for skin diseases. 249,017; July 5.

Olmstead Corporation, Springfield, Mass. Sanitary belts. 247,561; July 5.

Ontario Biscuit Company, Buffalo, N. Y. Cookie. 249,018; July 5.

Oppenheim, Oberndorf & Co. Inc., Baltimore, Md. Underwear. 241,785; July 5.

Orange Mutual Citrus Association, Orange, Calif. Fresh citrous fruit. 249,533; July 5.

Palais Royal, Inc., The, Washington, D. C. Corsets, aprons, clothing, bloomers, etc. 244,098; July 5.

Pal Radio Company, Inc., The, Jersey City, N. J. Radio receiving apparatus. 238,520; July 5.

Pearson Brothers, London, England. Waterproof coats and capes. 246,976; July 5.

Pearson, E. T., and Company Limited, London, England. Medicinal preparation. 243,453; July 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Peoples Drug Stores, Inc., doing business as Krowa Tonic Company, Washington, D. C. Medicinal tonic. 240,996; July 5.
Peters, Gerrit, doing business as Peters Chemical Company, Detroit, Mich. Roach powder. 247,906; July 5.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 248,787; July 5.
Pitt, C. M., & Sons Company, The, Baltimore, Md. Cake mixture. 248,251; July 5.
Pittsburgh Pretzel Co., Limited. (See McNeal, H. B.)
Poland Soap Works, Anniston, Ala. Washing powder. 249,748; July 5.
Premier Sport Products, Incorporated, New York, N. Y. Clock golf game. 248,125; July 5.
Przybyszewski, Stanley, Chicago, Ill. Ice-cream confection. 248,056; July 5.
Puritan Chemical Company, Atlanta, Ga. Deodorizer and moth repellent. 249,604; July 5.
Purity Chemical Products Company, Santa Rosa, Calif. Cleaning material. 244,572; July 5.
Quaker Oats Company, Chicago, Ill. Macaroni. 248,725; July 5.
Queen Anne Candy Company, Inc., Seattle, Wash. Candy. 249,807; July 5.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 246,773; July 5.
Ralston Purina Company, St. Louis, Mo. Poultry feed. 248,323; July 5.
Reading Malt & Hops Co., Reading, Pa. Extract or sirup of malt and hops. 249,540; July 5.
Readybuilt Products Company, The, Baltimore, Md. Fireplaces. 248,196; July 5.
Red Spot Electric Co., Inc., Tacoma, Wash. Electric water heaters. 249,021; July 5.
Rekwizit Baking Co. (See Beuchel, Bertha.)
ReNu Manufacturing Co. (See Sandhop, Karl.)
Reversible Collar Company, doing business as Middlesex Products Company, Boston, Mass. Paper backed with adhesive-applied layer of cloth. 247,910; July 5.
Riccardi, John, doing business as Roman Cleanser Company, Detroit, Mich. Washing fluid. 224,184; July 5.
Rice-Stix Dry Goods Company. (See Van Dyke Knitting Company, assignor.)
Roebke, Edward A., New York, N. Y. Beverages sold as soft drinks and sirups for making the same. 236,773; July 5.
Rogers Bros. & Co., Los Angeles, Calif. Pharmaceutical preparation. 248,324; July 5.
Röhm & Haas Company, Philadelphia, Pa. Coal-tar derivative. 247,511; July 5.
Röhm & Haas Company, Philadelphia, Pa. Cellulose-ester lacquers. 247,512; July 5.
Roman Cleanser Company. (See Riccardi, John.)
Sandhop, Karl., doing business as ReNu Manufacturing Co., Woodside, N. Y. Automobile and furniture polish. 246,935; July 5.
Scher-Sanders Corporation, New York, N. Y. Linen, cotton, silk, and rayon piece goods, etc. 247,217; July 5.
Schneider, Clara D., Beverly Hills, Calif. Dress and work shirts and overalls. 239,544; July 5.
Service Laboratories. (See Beutell, Charles A.)
Sewell Paint and Varnish Company, Kansas City, Mo. Automobile finishing compound. 247,103; July 5.
Shields, Charles H., doing business as Ionox Co., Portland, Oreg. Electric magnetic coil belts. 247,644; July 5.
Shoe-Tread Corporation, The, Boston, Mass. Soles and heels for shoes. 218,502; July 5.
Shotwell Mfg. Co., The, Chicago, Ill. Candy bar. 249,679; July 5.
Sidney-Machine Tool Company, The, Sidney, Ohio. Lathes. 247,827; July 5.
Siegel, A. L., doing business as A. L. Siegel Co., New York, N. Y. Powder puffs. 247,043; July 5.
Silver Springs Water Company. (See Sinaiko, William.)
Simoncelli Bros., Scranton, Pa. Olive oil. 231,284; July 5.
Sinaiko, William, doing business as Silver Springs Water Company, Madison, Wis. Spring water. 249,680; July 5.
Smith, D. B., & Company, Inc., Utica, N. Y. Sprayers, spray pumps, and powder dusters. 249,548; July 5.
Smith's Bakery, Inc., Mobile, Ala. Bread. 247,575; July 5.
Societe Anonyme les Dentifrices du Docteur Pierre, Nanterre, France. Dentifrices. 249,383; July 5.
Spencer, F. M., Coal Co., Columbus, Ohio. Coal. 248,449; July 5.
Standard Co., Inc., The, St. Albans, Vt. Golf tees. 248,450; July 5.
Stanford Laboratories. (See Menachof, Bert.)
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 243,892; July 5.
Stein & Ellbogen Company, Chicago, Ill. Jewelry and novelties. 246,510; July 5.
Sterling Fibreboard Company, The, New York, N. Y. Fiber board. 246,720; July 5.
Sterello Company, The, New Orleans, La. Dental cream and wash. 243,461; July 5.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 249,201; July 5.
Stevens, Chas. A., & Bros., Chicago, Ill. Perfumes and toilet waters. 249,758; July 5.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Loud speakers for radio receiving apparatus. 242,317; July 5.
Stroman & Reavis, New York, N. Y. Hair grower and tonic. 247,832; July 5.
Strowan Corporation, New York, N. Y. Nails. 220,259; July 5.
Sullivan Paint Company, St. Louis, Mo. Paints, varnish stain, oil stain, etc. 247,346; July 5.
Sunset Feather Company, San Francisco, Calif. Pillows and mattresses. 238,409; July 5.
Swift and Company, Chicago, Ill. Soap. 249,244; July 5.
Textile Publishing Company, New York, N. Y. Pictorial illustrations. 247,046; July 5.
Trout, Herbert P., Knox, Pa. Salve. 248,536; July 5.
Trump, Charles S., doing business as Home Lighting Company, Martinsburg, W. Va. Individual gas-lighting plants. 246,239; July 5.
Union Asbestos & Rubber Company, Chicago, Ill. Railway-car asbestos insulation. 245,764; July 5.
United Novelty Shoe Company, Indianapolis, Ind. Shoes. 247,506; July 5.
Universal Gypsum Company, now Universal Gypsum & Lime Co., Chicago, Ill. Boards. 224,536; July 5.
Upson Company, The, Lockport, N. Y. Publications. 244,582; July 5.
Utz & Dunn Company, Rochester, N. Y. Boots and shoes. 247,764; July 5.
Vacaville Fruit Growers Association, Vacaville, Calif. Fresh deciduous fruits and grapes. 249,558; July 5.
Vacuum Oil Company, New York, N. Y. Oils, greases, and waxes. 246,790; July 5.
Van Dyke Knitting Company, Milwaukee, Wis., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Underwear. 247,347; July 5.
Victor Adding Machine Company, Chicago, Ill. Adding machines. 248,333; July 5.
Vitapine Co. (See Freund, Adolph.)
Volcanic Ash Company of America, The, Kansas City, Mo. Volcanic ash. 245,416; July 5.
Voorhees Sales Company, Inc., New York, N. Y. Hosiery. 247,507; July 5.
Wabasha Roller Mill Company, Wabasha, Minn. Wheat flour. 248,457; July 5.
Waterman, L. E., Company, New York, N. Y. Writing inks. 247,833–4; July 5.
Weaver, Lewis, Washington, D. C. Hairdressing and face cream. 246,876; July 5.
White & Hodges, Everett, Mass. Oils. 249,628; July 5.
Whitman, Clarence, & Sons, Inc., New York, N. Y. Cotton piece goods. 249,761; July 5.
Woodville Lime Products Co., The, Toledo, Ohio. Lime. 249,688–90; July 5.
Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 245,772; July 5.
Yo-Ho Pure Food Products Co., Chicago, Ill. Potato chips and mayonnaise. 247,053; July 5.
Young & Griffin Coffee Company, Inc., New York, N. Y. Coffee. 244,418; July 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Dexter-Carpenter Coal Company. 229,747; July 5; Serial No. 244,061; published Apr. 19, 1927.
Coal. Dexter-Carpenter Coal Company. 229,796–7; July 5; Serial Nos. 244,059–60; published Apr. 19, 1927.
Pulp. Union Talc Company of Gouverneur. 229,884; July 5.
Pulp. Union Talc Company of Gouverneur. 229,887; July 5.

CLASS 2.

Bags, Clothespin. D. Grierson. 229,754; July 5; Serial No. 244,498; published Apr. 26, 1927.
Bags, Paper. E-Z Opener Bag Company. 229,665; July 5; Serial No. 225,299; published Apr. 26, 1927.
Bags, Paper. Union Bag & Paper Company. 63,688; renewed July 2, 1927.
Bottles, jars, decanters, carafes, hip flasks, coffeepots, etc. American Thermos Bottle Company. 229,816; July 5; Serial No. 241,199; published Apr. 26, 1927.

Containers, Pasteboard shipping. New York Corrugated Case Co. 229,663; July 5; Serial No. 225,027; published Mar. 16, 1926.

CLASS 3.

Rubber goods. Diamond Rubber Co. 65,292; renewed Sept. 17, 1927.
Trunks, suitcases, hat boxes, etc. Continental Trunk & Bag Co. 229,639; July 5; Serial No. 239,845; published Apr. 19, 1927.

CLASS 4.

Blacking, Boot and shoe. Herriott Bros. & Co. 64,088; renewed July 23, 1927.
Cleaning, protecting, and polishing preparation for metals. Grady Mfg. Co. 229,864; July 5.
Cleansing compound. J. T. Stanley. 57,901; renewed Dec. 4, 1926.
Soap, Shampoo. Cereal Soaps Co. Inc. 229,851; July 5; Serial No. 228,173; published May 4, 1926.

CLASS 5.

Adhesive cement. Flexement Corp. 229,644; July 5; Serial No. 245,540; published Apr. 19, 1927.
Adhesive cement. Flexement Corp. 229,765; July 5; Serial No. 245,541; published Apr. 19, 1927.

CLASS 6.

Alcohols, aldehydes, esters, ketones, etc., Aromatic. Albert Verley, Inc. 229,695; July 5; Serial No. 245,119; published Apr. 26, 1927.
Anæsthetic, Local. H. Rosenberg. 63,554; renewed June 25, 1927.
Antiseptic ointment. Robinson Shields Company. 229,732; July 5; Serial No. 244,027; published Apr. 26, 1927.
Bismuth. Preparation of. H. K. Mulford Company. 66,102; renewed Nov. 12, 1927.
Brilliantine. E. D. Schneider. 229,843; July 5; Serial No. 246,055; published Apr. 26, 1927.
Chemical compound. E. M. E. Corporation. 229,842; July 5; Serial No. 246,018; published Apr. 26, 1927.
Chemicals. Dr. O. Knöfler and Company. 60,607; renewed Feb. 12, 1927.
Composition for treating cut oil, basic sediment oil, oil-tank bottoms, etc. Sullivan Company. 229,863; July 5.
Cream, lotion, shampoo, bay rum, hair tonic, etc., Face. C. W. Bayne. 229,885; July 5.
Creams, skin lotions, etc., Skin. Stover, Inc. 229,846; July 5; Serial No. 245,033; published Apr. 26, 1927.
Effervescent salt. Upjohn Company. 229,845; July 5; Serial No. 246,136; published Apr. 26, 1927.
Ferruginous preparation. Nicolay & Co. 58,412; renewed Dec. 11, 1926.
Germicide and insecticide. B. T. Bouma. 229,787; July 5; Serial No. 244,537; published Apr. 26, 1927.
Insecticide. Scott Drug Company. 229,481; July 5; Serial No. 245,928; published Apr. 26, 1927.
Insecticide. J. F. Simpson. 229,894; July 5.
Insecticides. Grasselli Chemical Company. 229,844; July 5; Serial No. 246,092; published Apr. 26, 1927.
Insecticides. Purity Chemical Products Company. 229,788; July 5; Serial No. 244,570; published Apr. 26, 1927.
Liniment. W. M. Larry. 229,909; July 5.
Lotions, Face. F. D. Warren. 229,877; July 5.
Lye and washing soda. Cudahy Packing Co. 64,629; renewed Aug. 13, 1927.
Medicinal and pharmaceutical preparation. R. G. Dunwody & Son. 229,907; July 5.
Medicinal composition. J. A. Gardner. 229,896; July 5.
Medicinal preparations. Reed & Carnrick. 229,734; July 5; Serial No. 244,107; published Apr. 26, 1927.
Medicine. W. D. Duncan. 66,265; renewed Nov. 19, 1927.
Medicine. J. R. Planten. 66,108; renewed Nov. 12, 1927.
Medicine for piles. J. Synnott. 229,614; July 5; Serial No. 245,305; published Apr. 26, 1927.
Medicine, Liquid. John Wyeth & Brother, Incorporated. 65,634; renewed Oct. 15, 1927.
Medicines. J. E. Hasson. 65,632; renewed Oct. 15, 1927.
Medicines. Frederick Stearns & Company. 65,628; renewed Oct. 15, 1927.
Mouth wash. L. J. Horowitz. 229,906; July 5.
Nasal emollient. San-I-Sal Laboratories, Inc. 229,840; July 5; Serial No. 245,926; published Apr. 26, 1927.
Ointment, Healing. A. Brandt. 229,725; July 5; Serial No. 243,686; published Apr. 26, 1927.
Perfume, toilet water, talcum powder, etc. R. Hudnut. 229,733; July 5; Serial No. 244,075; published Apr. 26, 1927.
Perfumes and toilet waters, face powders, etc. Mari Trudeau Co. 229,835; July 5; Serial No. 245,796; published Apr. 26, 1927.
Perfumes, toilet waters, rouges, etc. Societe La France Toilet Goods Co. 229,594; July 5; Serial No. 233,239; published Aug. 10, 1926.
Pharmaceutical preparations. J. E. Stroschein. 30,888; renewed July 6, 1927.
Preparation, Eczema and skin. E. H. Gauld. 229,860; July 5.
Preparation for the prevention and treatment of diseases of pigeons or poultry. Squills and De Lacy Limited. 229,685–7; July 5; Serial Nos. 243,068–70; published Apr. 26, 1927.
Remedies. E. Alexander. 58,735; renewed Dec. 25, 1926.
Remedy. H. Rosenberg. 63,563; renewed June 25, 1927.
Remedy for diseases of the liver. Moffit-West Drug Co. 62,929; renewed May 28, 1927.
Remedy for inebriety. Physicians Cooperative Association. 65,858; renewed Oct. 29, 1927.
Salts, acids, and compounds. American Smelting and Refining Company. 229,786; July 5; Serial No. 244,533; published Apr. 26, 1927.
Salve. D. E. Campbell. 229,858; July 5.
Shampoo. A. H. Cathcart & James S. Thompson Company. 229,678; July 5; Serial No. 242,520; published Apr. 26, 1927.
Soda, Caustic. Chance & Hunt, Limited. 66,212; renewed Nov. 19, 1927.
Sodium hypochloride, Solution of. Valhalla Company. 229,619; July 5; Serial No. 245,460; published Apr. 26, 1927.
Subcutaneous injections. H. Rosenberg. 63,562; renewed June 25, 1927.
Toilet preparations—namely, hair pomade, skin-nourishing creams, etc. Suma-Dore Products, Inc. 229,600; July 5; Serial No. 234,060; published Aug. 31, 1926.
Tonic for indigestion, pains in the back and abdomen, constipation, etc. R. Slater. 229,622; July 5; Serial No. 245,586; published Apr. 26, 1927.
Tonic, Hair. B. Cassalia. 229,615; July 5; Serial No. 245,335; published Apr. 26, 1927.
Treatment for venomous snake bites. Monarch Drug Co. 229,785; July 5; Serial No. 244,509; published Apr. 26, 1927.
Unguent or salve. Frederick Laboratory. 66,365; renewed Nov. 26, 1927.

CLASS 9.

Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. 229,879; July 5.

CLASS 11.

Gold and silver leaf, Imitation. Peerless Roll Leaf Co. 229,670; July 5; Serial No. 226,968; published Apr. 26, 1927.

CLASS 12.

Building and insulating paper. Welt & Sons Paper Company. 229,865; July 5.
Construction materials. Union Tank & Pipe Co. 229,668; July 5; Serial No. 226,699; published Mar. 30, 1926.
Preparation for hardening, dustproofing, acid-proofing, oilproofing, and waterproofing concrete and cement surfaces, etc. Sullivan Company. 229,901; July 5.

CLASS 13.

Bolts and bushings, etc., Automobile steering-knuckle. Fostoria Screw Company. 229,605; July 5; Serial No. 236,025; published Apr. 26, 1927.
Christmas-tree holders, All-metal. All-American Radio Corporation. 229,850; July 5; Serial No. 228,019; published Apr. 26, 1927.
Iron grille-work guards, fences and panels, andirons, gates, and handrails, etc. J. Dietzmann. 229,830; July 5; Serial No. 243,596; published Apr. 26, 1927.
Kitchen wire goods. Utility Manufacturing Company Inc. 229,834; July 5; Serial No. 245,765; published Apr. 26, 1927.
Lead traps, bends, flanges, etc. American Smelting and Refining Company. 229,812; July 5; Serial No. 244,534; published Apr. 26, 1927.
Metal alloy tubes. Chrome Alloy Tube Corporation. 229,821; July 5; Serial No. 242,092; published Apr. 26, 1927.
Metal valves. Kelley-Connell Co. 229,807; July 5; Serial No. 245,723; published Apr. 26, 1927.
Pipes, and hub and spigot sewer pipes, Metal lock-joint culvert. American Casting Company. 229,621; July 5; Serial No. 245,525; published Apr. 26, 1927.
Radiator hangers and parts thereof. Healy-Ruff Company. 229,805; July 5; Serial No. 245,714; published Apr. 26, 1927.
Soldering nipples. Mueller Co. 229,813; July 5; Serial No. 244,565; published Apr. 19, 1927.
Tanks, Septic. F. E. Wilson. 229,656; July 5; Serial No. 244,842; published Apr. 26, 1927.

CLASS 16.

Colors for hand painting on textile fabrics, Liquid. Leo Uhlfelder Co. 229,775; July 5; Serial No. 244,194; published Apr. 19, 1927.
Liquid polish for pianos, furniture, and automobiles. C. A. Sullivan. 229,730; July 5; Serial No. 243,832; published Apr. 19, 1927.
Paint for coloring and waterproofing. Grassphalte Hard Courts Limited. 229,677; July 5; Serial No. 242,429; published Apr. 19, 1927.
Paint, Green. John Lucas & Co. 64,036; renewed July 23, 1927.
Paints and painters' materials. Peninsular Paint and Varnish Company. 65,911; renewed Oct. 29, 1927.

Paints and varnishes, Insulating and protective. Aktiengesellschaft für Asphaltirung und Dachbedeckung vormals Johannes Jeserich. 58,700; renewed Dec. 25, 1926.
Paints, varnishes, enamels, etc., Ready-mixed. Diamond Oil & Paint Co. 229,726; July 5; Serial No. 243,691; published Apr. 19, 1927.
Paints, varnishes, paint enamels, etc. Payson Varnish Co. 229,780; July 5; Serial No. 244,412; published Apr. 19, 1927.
Polish. E. R. Purvis. 229,741; July 5; Serial No. 203,387; published Apr. 19, 1927.
Polish, Furniture. J. R. Stanko. 229,779; July 5; Serial No. 244,372; published Apr. 19, 1927.
Polishes. Elson and Elson. 229,679; July 5; Serial No. 242,527; published Apr. 19, 1927.
Varnishes. Elco Paints Products, Inc. 229,633; July 5; Serial No. 238,258; published Apr. 19, 1927.
Varnishes. Morgan Company. 229,700; July 5; Serial No. 245,156; published Apr. 19, 1927.

CLASS 17.

Cigarettes. S. Benaderet, Inc. 229,889; July 5.

CLASS 19.

Automobile tops, side curtains, and seat covers. Perfect Fit Manufacturing Co. 229,872; July 5.
Automobiles and structural parts thereof. Studebaker Corporation. 229,607; July 5; Serial No. 236,350; published Apr. 26, 1927.
Automobiles, Fabric door and seat covers for. Cincinnati Auto Specialty Co. 229,772; July 5; Serial No. 238,840; published Apr. 26, 1927.
Automobiles, Ventilating eaves, windshield wings, and rear-view mirrors for. Kokomo Automotive Mfg. Co. 229,820; July 5; Serial No. 242,009; published Apr. 26, 1927.
Covers for tops of automotive vehicles. Bassick Manufacturing Company. 229,803; July 5; Serial No. 245,688; published Apr. 26, 1927.

CLASS 20.

Plastic-coated paper, Wall covering comprising. Lincrusta-Walton Company. 229,625; July 5; Serial No. 243,381; published Apr. 19, 1927.

CLASS 21.

Spark plugs, terminals, hoods, etc. Rajah Auto-Supply Company. 63,884; renewed July 9, 1927.

CLASS 22.

Dolls. Ideal Novelty & Toy Co. 229,836; July 5; Serial No. 245,987; published Apr. 26, 1927.
Game. Parker Brothers. 229,660; July 5; Serial No. 244,882; published Apr. 26, 1927.
Game, Net. C. T. Shaffer. 229,862; July 5.
Games played with a ball on a board, Table. A. L. Thompson. 229,643; July 5; Serial No. 241,073; published Apr. 26, 1927.
Golf bags. Williams Manufacturing Company. 229,892; July 5.
Golf balls. Draper-Maynard Company. 229,620; July 5; Serial No. 245,479; published Apr. 26, 1927.
Toys, doll carriages, velocipedes, scooters, etc., Children's wheel. Children's Vehicle Corporation. 229,604; July 5; Serial No. 235,800; published Apr. 26, 1927.
Toys, Mechanical. Go-Toy Mfrs. Inc. 229,593; July 5; Serial No. 232,561; published Apr. 26, 1927.

CLASS 23.

Bearings, Self-lubricating metal-graphite. United States Graphite Company. 229,837; July 5; Serial No. 245,817; published Apr. 26, 1927.
Cultivators, Farm. Oliver Chilled Plow Works. 229,641; July 5; Serial No. 240,435; published Apr. 26, 1927.
Dies, Threading. Geometric Tool Company. 229,804; July 5; Serial No. 245,706; published Apr. 26, 1927.
File. Carver File Company. 229,905; July 5.
Fire-extinguishing grenades and supports therefor. R. H. Sloan. 229,899; July 5.
Fork-tine straighteners. J. T. Pedersen. 229,839; July 5; Serial No. 245,919; published Apr. 26, 1927.
Granulators, cube machines, driers, pumps, and presses, Sugar. Hersey Manufacturing Company. 65,724; renewed Oct. 22, 1927.
Hack-saw blades. West Haven Mfg. Co. 63,544; renewed June 25, 1927.
Hack-saw frames. West Haven Mfg. Co. 64,250; renewed July 30, 1927.
Hoists, Hydraulic. Western Elevator & Mfg. Co. 229,838; July 5; Serial No. 245,877; published Apr. 26, 1927.
Inking appliances, Type-operated. W. H. Young Corporation. 229,666; July 5; Serial No. 226,325; published Apr. 26, 1927.
Knives, Machine. E. C. Atkins & Co. 229,629–30; July 5; Serial Nos. 237,646–7; published Apr. 26, 1927.
Machines for printing advertising matter and parts thereof. Ebsco Patents Proprietary Limited. 229,728; July 5; Serial No. 243,850; published Apr. 26, 1927.
Machines for tapping water and gas mains and parts thereof. Hays Manufacturing Company. 229,674; July 5; Serial No. 242,192; published Apr. 26, 1927.
Porringers, bowls, basins, mugs, plates, etc. W. A. F. Power. 229,640; July 5; Serial No. 240,318; published Apr. 26, 1927.
Razors. Heinr. Boker & Co. 64,378; renewed Aug. 6, 1927.
Sewing machines and parts. White Sewing Machine Co. 66,280; renewed Nov. 19, 1927.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,646; July 5; Serial No. 241,254; published Apr. 26, 1927.
Tools, Edge. S. C. Morrill. 63,023; renewed June 4, 1927.
Tractors. Caterpillar Tractor Co. 229,711–12; July 5; Serial Nos. 244,662–3; published Apr. 26, 1927.
Tractors. Caterpillar Tractor Co. 229,714–15; July 5; Serial Nos. 244,664–5; published Apr. 26, 1927.
Tractors, road graders, crawlers, etc. Hadfield-Penfield Steel Company. 229,672; July 5; Serial No. 241,412; published Apr. 26, 1927.
Tube cleaners, boiler handhole seat scrapers, etc. Roto Company. 229,802; July 5; Serial No. 245,659; published Apr. 26, 1927.

CLASS 24.

Wringers and parts thereof. American Wringer Company. 66,244; renewed Nov. 19, 1927.
Wringers, Clothes. American Wringer Company. 66,245; renewed Nov. 19, 1927.
Wringers, Clothes. American Wringer Company. 66,417; renewed Nov. 26, 1927.

CLASS 26.

Diaphragms or secondary ray filters, cassettes, etc.; Bucky. Victor X-Ray Corporation. 229,661; July 5; Serial No. 222,645; published Apr. 26, 1927.
Gauges, Air-pressure. Service Equipment Co. 229,599; July 5; Serial No. 234,005; published Apr. 26, 1927.
Measuring tools and instruments, standard gauges, limit gauges, etc. Ludw. Loewe & Co. Actiengesellschaft. 229,729; July 5; Serial No. 243,817; published Apr. 26, 1927.
Ovens, Incubators, water baths, etc., Electric. Thermo Electric Instrument Co. 229,888; July 5.
Patterns, Wearing-apparel. Bellas Hess & Co. 229,876; July 5.
Picture films, Motion-. Film Booking Offices of America, Inc. 229,722; July 5; Serial No. 243,486; published Apr. 26, 1927.
Rulers, Desk. Westcott Rule Company. 229,767; July 5; Serial No. 244,900; published Apr. 26, 1927.

CLASS 29.

Brushes, mops, dusters, and dusting cloths. O-U-Dust Corporation. 229,638; July 5; Serial No. 238,664; published Apr. 26, 1927.
Mops, dusters, brushes, etc., Floor. Dyrex Distributors. 229,783; July 5; Serial No. 244,434; published Apr. 26, 1927.
Toothbrushes and typewriter brushes. P. M. Krantz. 229,808; July 5; Serial No. 245,729; published Apr. 26, 1927.
Toothbrushes, toothbrush heads, and handles therefor. Tefra Co. 229,628; July 5; Serial No. 237,478; published Apr. 26, 1927.
Windshield cleaners. Trico Products Corporation. 229,756; July 5; Serial No. 244,895; published Apr. 26, 1927.

CLASS 31.

Freezers, Ice-cream. Richmond Cedar Works. 66,255; renewed Nov. 19, 1927.
Refrigerators. Baldwin Refrigerator Co. 65,764; renewed Oct. 22, 1927.
Refrigerators and ice boxes. Baldwin Refrigerator Co. 65,763; renewed Oct. 22, 1927.
Refrigerators and ice boxes. Baldwin Refrigerator Co. 65,765; renewed Oct. 22, 1927.

CLASS 32.

Cabinets, Kitchen. Hoosier Manufacturing Company. 66,022; renewed Nov. 5, 1927.
Couches, beds, mattresses, and bed springs. Roll-A-Way Bed Corporation. 229 849; July 5; Serial No. 227,853; published Apr. 26, 1927.
Furniture. Beverly Co. 229,680; July 5; Serial No. 242,702; published Apr. 26, 1927.
Kitchen cabinets, domestic units in the nature of cupboard units. McDougall Company. 229,590; July 5; Serial No. 231,625; published Apr. 26, 1927.
Mirrors. L. M. Andrews. 229,710; July 5; Serial No. 244,647; published Apr. 26, 1927.
Mirrors. Nurre Mirror Plate Company. 229,708; July 5; Serial No. 244,625; published Apr. 26, 1927.
Radiator inclosures and cabinets. Tuttle & Bailey Manufacturing Company. 229,799; July 5; Serial No. 245,600; published Apr. 26, 1927.
Radiator inclosures and cabinets serving as artistic and ornamental additions to furniture. Tuttle & Bailey Manufacturing Company. 229,798; July 5; Serial No. 245,598; published Apr. 26, 1927.
Shades, Window. S. A. Maxwell & Co. Inc. 229,900; July 5.

Spring structures. Reynolds Spring Company. 229,723; July 5; Serial No. 243,561; published Apr. 26, 1927.

CLASS 33.

Tableware and glass decorative ware, Glass. United States Glass Company. 229,592; July 5; Serial No. 231,961; published Aug. 24, 1926.

CLASS 34.

Boilers, Hot-water and steam. Wm. H. Page Boiler Co. 64,673; renewed Aug. 20, 1927.
Boilers, Hot-water and steam. Wm. H. Page Boiler Co. 64,691; renewed Aug. 20, 1927.
Cookstoves and ranges, Coal, wood, and gas burning. Hartman Wholesale Corporation. 229,771; July 5; Serial No. 238,786; published Apr. 26, 1927.
Furnaces. N. Stern. 229,749; July 5; Serial No. 244,373; published Apr. 26, 1927.
Heaters. Orbon Stove Co. 229,659; July 5; Serial No. 244,881; published Apr. 26, 1927.
Oil burners and parts thereof. Deaco Mfg. Co. 229,881; July 5.
Stoves and furnaces. Estate Stove Company. 64,698; renewed Aug. 20, 1927.

CLASS 35.

Belting. B. F. Goodrich Company. 64,997–9; renewed Sept. 3, 1927.
Belting and hose. B. F. Goodrich Company. 64,996; renewed Sept. 3, 1927.
Belting, Leather. N. Palmer Belting Co. 229,801; July 5; Serial No. 245,652; published Apr. 26, 1927.
Gaskets, oil-well packing, rubber tubing, rubber hose, belting, and packing. Diamond Rubber Co. 65,341; renewed Sept. 17, 1927.
Hose. B. F. Goodrich Company. 65,003–10; renewed Sept. 3, 1927.
Hose. B. F. Goodrich Company. 65,410–17; renewed Sept. 24, 1927.
Packing, Machinery. B. F. Goodrich Company. 65,419–21; renewed Sept. 24, 1927.
Tire patches. KeHawKe Manufacturing Co. 229,806; July 5; Serial No. 245,722; published Apr. 26, 1927.
Tires, Pneumatic. B. F. Goodrich Company. 65,422; renewed Sept. 24, 1927.
Tires, Resilient vehicle. Firestone Tire and Rubber Company. 229,868; July 5.

CLASS 36.

Organs and parts thereof, Pipe. Votteler-Holtkamp-Sparling Organ Company. 229,880; July 5.

CLASS 37.

Blank forms. Tax Digest, Inc. 229,773; July 5; Serial No. 239,605; published Apr. 19, 1927.
Cardboards. Hurlock Bros., Company. 229,752–3; July 5; Serial Nos. 244,445–6; published Apr. 12, 1927.
Diaries. Samuel Ward Manufacturing Company. 229,652; July 5; Serial No. 244,721; published Apr. 19, 1927.
Envelopes. Magill-Weinsheimer Company. 229,657–8; July 5; Serial Nos. 244,876–7; published Apr. 19, 1927.
Erasers, Rubber. E. Faber. 66,249; renewed Nov. 19, 1927.
Erasers, Rubber. E. Faber. 66,364; renewed Nov. 26, 1927.
Form, Blank. Howes-Fahnestock. 229,823; July 5; Serial No. 242,883; published Apr. 12, 1927.
Paper and mailing envelopes, Writing. Paper Mills' Company. 229,746; July 5; Serial No. 215,090; published Apr. 26, 1927.
Paper and paperboards for wrapping purposes. Union Bag & Paper Company. 63,087; renewed July 2, 1927.
Paper, Bond. Paramount Paper and Specialty Company. 229,709; July 5; Serial No. 244,627; published Apr. 26, 1927.
Paper, Printed. American Register Company. 229,500; July 5; Serial No. 233,904; published Apr. 19, 1927.
Paper, Wall. Tait Paper and Color Industries, Inc. 229,826; July 5; Serial No. 243,398; published Apr. 19, 1927.
Paper, Writing and printing. Whiting-Plover Paper Company. 229,608; July 5; Serial No. 245,128; published Apr. 26, 1927.
Pencil sharpeners. Eagle Pencil Company. 65,342; renewed Sept. 17, 1927.
Pencils and rubber erasers, Lead. E. Faber. 66,363; renewed Nov. 26, 1927.
Pencils, Lead. E. Faber. 66,358–62; renewed Nov. 26, 1927.
Tape, Textile-fabric. Mid-States Gummed Paper Company. 229,809; July 5; Serial No. 245,741; published Apr. 19, 1927.
Tape, Textile-fabric. Mid-States Gummed Paper Company. 229,810; July 5; Serial No. 245,742; published Apr. 19, 1927.
Wadding made of paper stock, Absorbent. Kimberly-Clark Company. 229,755; July 5; Serial No. 244,502; published Apr. 12, 1927.
Wrappers, Mailing. Oak Press. 229,694; July 5; Serial No. 245,103; published Apr. 26, 1927.

CLASS 38.

Books, booklets, etc., Printed. First National Bank in St. Louis. 229,676; July 5; Serial No. 242,420; published Apr. 26, 1927.
Bulletin, Monthly. M. A. Platt. 229,696; July 5; Serial No. 245,287; published Apr. 26, 1927.
Cartoons and comic strips. Macfadden Publications Incorporated. 229,702–5; July 5; Serial Nos. 245,061–4; published Apr. 26, 1927.
Magazine. R. C. Cook. 229,697; July 5; Serial No. 245,257; published Apr. 26, 1927.
Magazine. Dell Publishing Company. 229,719; July 5; Serial No. 245,340; published Apr. 26, 1927.
Magazine. Real Adventures Pub. Co. 229,777; July 5; Serial No. 244,241; published Apr. 26, 1927.
Magazines and periodicals. Short Stories Company Ltd., The. 63,899; renewed July 16, 1927.
Newspaper. Bulletin Company. 229,647; July 5; Serial No. 245,531; published Apr. 26, 1927.
Periodical. Abbott Laboratories. 229,608; July 5; Serial No. 245,239; published Apr. 26, 1927.
Periodical. American Journal of Clinical Medicine, Inc. 229,778; July 5; Serial No. 244,342; published Apr. 26, 1927.
Periodical issued quarterly. Woman's Democratic Club. 229,589; July 5; Serial No. 230,907; published June 22, 1926.
Photographs. Bear Film Co. 229,762; July 5; Serial No. 245,612; published Apr. 26, 1927.
Pictures, News. Times-Picayune Publishing Co. 229,650; July 5; Serial No. 245,881; published Apr. 26, 1927.
Publication. Atlas Publishing Co. 229,648; July 5; Serial No. 245,529; published Apr. 26, 1927.
Publication. Chambers Printing Works. 229,721; July 5; Serial No. 243,415; published Apr. 26, 1927.
Publication. L. Kolos. 229,649; July 5; Serial No 245,499; published Apr. 26, 1927.
Publication. Lester, Ltd. 229,763; July 5; Serial No. 245,648; published Apr. 26, 1927.
Publication, Weekly. Fourth Estate Publishing Company. 229,637; July 5; Serial No. 238,499; published Apr. 26, 1927.
Publications. M. A. Borresen. 229,701; July 5; Serial No. 245,137; published Apr. 26, 1927.
Statistical lists. Motor Registration News of California. 229,720; July 5; Serial No. 245,363; published Apr. 26, 1927.
Title of a daily article of boxing news and comment in The World newspaper. Press Publishing Company. 229,717; July 5; Serial No. 245,408; published Apr. 26, 1927.

CLASS 39.

Belts, suspenders, garters, and braces, Waist. Martins-Birmingham Limited. 229,627; July 5; Serial No. 237,180; published Apr. 19, 1927.
Blouses and dresses. Rubin Blouse & Dress Company. 229,827; July 5; Serial No. 243,458; published Apr. 19, 1927.
Boots and shoes. Halpern-Navison Shoe Co. 229,662; July 5; Serial No. 223,169; published June 15, 1926.
Brassières, corset brassières, corsets, etc. Weingarten Bros. 229,609; July 5; Serial No. 245,173; published Apr. 19, 1927.
Clothing. L. Greif & Bro. 66,155; renewed Nov. 12, 1927.
Coats and overcoats, Men's. Stein-Bloch Co. 229,588; July 5; Serial No. 230,774; published Apr. 19, 1927.
Coats, Denim. H. W. Carter & Sons. 229,713; July 5; Serial No. 244,660; published Apr. 19, 1927.
Coats, Infants' and children's. N. Bass. 229,751; July 5. Serial No. 244,420; published Apr. 19, 1927.
Coats, Sport. Greenhill & Daniel. 229,748; July 5; Serial No. 244,072; published Apr. 19, 1927.
Coats, suits, and dresses. Malito Bros. Inc. 229,792; July 5; Serial No. 243,867; published Apr. 19, 1927.
Coats, vests, trousers, etc. Curlee Clothing Company. 229,789; July 5; Serial No. 242,779; published Apr. 19, 1927.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 229,794; July 5; Serial No. 243,977; published Apr. 19, 1927.
Corsets, Ladies'. Nu-Bone Corset Company. 229,745; July 5; Serial No. 212,022; published Mar. 2, 1926.
Dresses. Chicago Mail Order Company. 229,724; July 5; Serial No. 244,420; published Apr. 19, 1927.
Dresses. Charles Salomon & Co. Inc. 229,818; July 5; Serial No. 241,500; published Apr. 19, 1927.
Dresses. Sherr Bros. 229,793; July 5; Serial No. 243,890; published Apr. 19, 1927.
Dresses, blouses, scarfs, sweaters, etc. Shirley Modes, Inc. 229,740; July 5; Serial No. 199,092; published Apr. 19, 1927.
Footwear. A. G. Spalding & Bros. 64,081; renewed July 23, 1927.
Garments consisting of corsets, brassières, and sanitary belts, Combination. B. Alonso. 229,606; July 5; Serial No. 236,152; published Apr. 19, 1927.
Garments, underwear, etc., Combination. Standard Corset Company. 229,667; July 5; Serial No. 226,571; published Apr. 19, 1927.
Garters. W. D. Baer. 229,610; July 5; Serial No. 245,185; published Apr. 19, 1927.

Garters. J. Collins. 229,791; July 5; Serial No. 243,848; published Apr. 19, 1927.
Gloves, Leather. Sager Glove Corporation. 229,904; July 5.
Hats. D. Fagan & Sons. 229,683; July 5; Serial No. 243,044; published Apr. 19, 1927.
Hats. D. Fagan & Sons. 229,824; July 5; Serial No. 243,045; published Apr. 19, 1927.
Hats. Fruhauf & Musyl, Inc. 229,690; July 5; Serial No. 243,262; published Apr. 19, 1927.
Hats and caps. Finchley Inc. 229,832; July 5; Serial No. 243,696; published Apr. 19, 1927.
Hats and caps. H. L. Topilow & Co. 229,825; July 5; Serial No. 243,329; published Apr. 19, 1927.
Hats, caps, and bonnets, Infants', boys', and girls'. A. A. Bezozi. 229,815; July 5; Serial No. 241,079; published Apr. 19, 1927.
Hats, Felt and straw. Harris-Polk Hat Company. 62,691; renewed May 21, 1927.
Hats for women and children. H. E. Maass. 229,873; July 5.
Hats, Ladies'. Bobby Hood Co. Inc. 229,744; July 5; Serial No. 240,239; published Apr. 19, 1927.
Hats, Ladies'. Feldman Bros., Inc. 229,693; July 5; Serial No. 245,087; published Apr. 19, 1927.
Hats, Ladies'. Passloff Bros. Inc. 229,743; July 5; Serial No. 208,419; published Apr. 19, 1927.
Hats, Ladies' and misses'. Ferle Heller, Inc. 229,706; July 5; Serial No. 244,610; published Apr. 19, 1927.
Heels, Rubber. Casa Anchorena, Inc. 229,869; July 5.
Hosiery. Bear Brand Hosiery Co. 229,795; July 5; Serial No. 244,041; published Apr. 19, 1927.
Hosiery. Bonwit Teller & Co. 229,782; July 5; Serial No. 244,423; published Apr. 19, 1927.
Hosiery. Dillon Export & Commission Co. 229,688; July 5; Serial No. 243,144; published Apr. 19, 1927.
Hosiery. Home Hosiery Co. 64,787; renewed Aug. 20, 1927.
Hosiery. Noe Equl Textile Mills, Inc. 229,769; July 5; Serial No. 238,069; published Apr. 19, 1927.
Hosiery. Paramount Knitting Company. 66,340–1; renewed Nov. 19, 1927.
Hosiery. Shreve & Adams, Inc. 229,651; July 5; Serial No. 244,725; published Apr. 19, 1927.
Hosiery, shawls, ruffs, collars, etc. Lord & Taylor. 229,634; July 5; Serial No. 238,269; published Apr. 19, 1927.
Hosiery, underwear, gloves, etc. Doré & Fils. 229,819; July 5; Serial No. 241,608; published Apr. 19, 1927.
Necktles. James McCurrach & Brother. 229,902; July 5.
Necktles. C. Ruben. 229,618; July 5; Serial No. 245,371; published Apr. 19, 1927.
Negligees. Kayata Brothers. 229,669; July 5; Serial No. 226,774; published Apr. 19, 1927.
Overcoats. E. A. Jones. 229,671; July 5; Serial No. 227,521; published Apr. 19, 1927.
Raincoats. J. C. Haartz Company. 229,831; July 5; Serial No. 243,603; published Apr. 19, 1927.
Shirts. W. M. Wallace. 229,829; July 5; Serial No. 243,569; published Apr. 19, 1927.
Shirts, suits, pants, etc. D. M. Oberman Mfg. Co. 229,591; July 5; Serial No. 231,750; published Apr. 19, 1927.
Shoes. Brown Shoe Compsny. 229,673; July 5; Serial No. 241,808; published Apr. 19, 1927.
Shoes. William Hahn & Co. 229,891; July 5.
Shoes. Shipley & Vaux Shoe Mfg. Co. 229,684; July 5; Serial No. 243,066; published Apr. 19, 1927.
Shoes, Leather. Joseph Cohn & Son. 229,870; July 5.
Stockings and sockets. L. Colman. 229,768; July 5; Serial No. 244,915; published Apr. 19, 1927.
Suits and overcoats, Men's and young men's. C. L. Bond. 229,653; July 5; Serial No. 244,740; published Apr. 19, 1927.
Suits, coats, trousers, etc. J. Kleinman Sons & Friedlander Inc. 229,833; July 5; Serial No. 243,707; published Apr. 19, 1927.
Suits, dresses, manties, underwear, etc., Women's. Maison Jenny, Société Anonyme. 229,602; July 5; Serial No. 234,718; published Apr. 19, 1927.
Suits, Men's and boys'. Brokaw Brothers. 229,897–8; July 5.
Suits, Men's and boys'. L. Kupferman & Co. 229,814; July 5; Serial No. 240,267; published Apr. 19, 1927.
Suits, Men's and young men's. Moe Levy & Son. 229,874; July 5.
Suits, Swimming. Olympia Knitting Mills, Inc. 229,890; July 5.
Ties and cravats. L. Samter & Sons. 229,828; July 5; Serial No. 243,562; published Apr. 19, 1927.
Ties, cravats, four-in-hand ties, and bow ties. Friedman Bros. & Sons Neckwear Co. 229,654; July 5; Serial No. 244,768; published Apr. 19, 1927.
Undergarments, collars, overalls, and raincoats. Gargoyle Textile Corporation. 229,738; July 5; Serial No. 125,616; published Nov. 9, 1920.
Underwear. Noe Equl Textile Mills, Inc. 229,596; July 5; Serial No. 233,892; published Apr. 19, 1927.
Underwear, Men's athletic. Robert C. King & Co. 229,707; July 5; Serial No. 244,615; published Apr. 19, 1927.

CLASS 40.

Ribbon novelties. H. A. Enrich. 229,790; July 5; Serial No. 243,801; published Apr. 19, 1927.
Tapes and trimmings of fabric, Bias-fold. William E. Wright and Sons Company. 229,766; July 5; Serial No. 244,907; published Apr. 19, 1927.

CLASS 42.

Cotton fabrics, Dyed. O. Goetze. 62,724; renewed May 21, 1927.
Cotton piece goods. F. U. Stearns & Company. 229,682; July 5; Serial No. 242,923; published Apr. 26, 1927.
Cotton piece goods, Dyed. Wm. Simpson, Sons & Co. 66,430; renewed Nov. 26, 1927.
Cotton print cloth piece goods. Everett, Heaney & Co. Inc. 229,739; July 5; Serial No. 170,572; published Apr. 26, 1927.
Elastic webbing for use in garments, Wide. Kops Bros. Inc. 229,655; July 5; Serial No. 244,828; published Apr. 26, 1927.
Handkerchiefs. Sullivan Smythfield Company. 229,759; July 5; Serial No. 245,815; published Apr. 26, 1927.
Handkerchiefs. Sullivan Smythfield Company. 229,760; July 5; Serial No. 245,814; published Apr. 26, 1927.
Knitted artificial-silk fabrics. American Rayon Products Corporation. 229,664; July 5; Serial No. 225,295; published Sept. 21, 1926.
Knitted fabrics of silk and rayon. L. Knecht. 229,689; July 5; Serial No. 243,220; published Apr. 26, 1927.
Piece goods of wool, cotton, and silk and mixtures of the same. Société Anonyme Rodier. 229,761; July 5; Serial No. 245,758; published Apr. 26, 1927.
Rugs. Marshall Field & Company. 229,758; July 5; Serial No. 245,967; published Apr. 26, 1927.
Rugs. Monmouth Rug Mills, Inc. 229,757; July 5; Serial No. 246,108; published Apr. 26, 1927.
Silk goods in the piece. Louis Roessel & Co. 229,645; July 5; Serial No. 241,299; published Apr. 26, 1927.
Silk goods in the piece. B. R. Theise. 229,847; July 5; Serial No. 245,034; published Apr. 26, 1927.

CLASS 43.

Cotton on spools or reels, Sewing. J. & P. Coats, Limited. 65,099; renewed Sept. 10, 1927.
Cotton or sewing thread, Spool. Blodgett & Orswell Co. 66,382–3; renewed Nov. 26, 1927.
Cotton or sewing thread, Spool. Blodgett & Orswell Co. 66,404; renewed Nov. 26, 1927.
Cotton, Sewing and crochet. J. & P. Coats, Limited. 64,523; renewed Aug. 13, 1927.
Thread. Gardiner Hall Jr. Company. 229,800; July 5; Serial No. 245,631; published Apr. 26, 1927.

CLASS 44.

Arch supports. A. B. De Ville. 229,893; July 5.
Nasal douche. A. Shekter. 229,636; July 5; Serial No. 238,289; published Apr. 12, 1927.

CLASS 45.

Beverage and sirups and extracts for making the same, Maltless. Captain Kidd Products, Inc. 229,623; July 5; Serial No. 245,891; published Apr. 26, 1927.
Beverages. Major Fruit Products Company. 229,866; July 5.
Beverages. Sears & Derr Company. 229,811; July 5; Serial No. 245,755; published Apr. 26, 1927.
Beverages and flavoring sirups used in making the same. Sears & Derr Company. 229,595; July 5; Serial No. 233,580; published Apr. 26, 1927.
Chocolate sirup used in the preparation of soft drinks. Bowey's, Inc. 229,632; July 5; Serial No. 237,775; published Apr. 19, 1927.
Ginger ale. Economical Drug Co. 229,875; July 5.

CLASS 46.

Apples, apricots, cherries, etc. Frank H. Buck Company. 229,692; July 5; Serial No. 237,720; published Apr. 26, 1927.
Bacon, ham, sausage, and lard. Jacob Dold Packing Co. 65,805; renewed Oct. 22, 1927.
Birdseed, dried currants, chicory, coffee, farina, honey, etc. Cluff Manufacturing Co. 229,883; July 5.
Butter. C. W. Bush. 229,716; July 5; Serial No. 245,469; published Apr. 19, 1927.
Butter. M. Ginger. 229,886; July 5.
Candies. Advance Novelty Co. 61,839; renewed Apr 9, 1927.
Candy. Catawba Candy Company. 63,065; renewed June 4, 1927.
Candy bars, Chocolate-covered. Coxie Company. 229,699; July 5; Serial No. 245,190; published Apr. 26, 1927.
Canned crab. North American Mercantile Company. 229,867; July 5.
Canned fish. Northwestern Fisheries Company. 63,054; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,056; renewed June 4, 1927.
Canned fish. Northwestern Fisheries Company. 63,912; renewed July 16, 1927.
Canned fish. Northwestern Fisheries Company. 64,068; renewed July 23, 1927.
Canned fruits. California Canneries Co. 63,094; renewed July 2, 1927.
Canned fruits, canned crab meat, salmon, milk beans, etc. Wilcox-Hayes Company. 229,776; July 5; Serial No. 244,200; published Apr. 19, 1927.

Canned goods. E. T. Smith Company. 229,727; July 5; Serial No. 243,831; published Apr. 19, 1927.
Canned salmon. Union Fishermen's Co-Operative Packing Co. 229,601; July 5; Serial No. 234,424; published Sept. 21, 1926.
Cantaloupes and vegetables. M. C. Wahl. 229,855; July 5; Serial No. 228,627; published Apr. 26, 1927.
Canteloupes, vegetables, and grapes, Fresh. L. C. Lee. 229,603; July 5; Serial No. 235,149; published Apr. 26, 1927.
Cereal breakfast food. Hoyland Flour Mills Company. 229,822; July 5; Serial No. 242,231; published Apr. 19, 1927.
Cheese. J. Caspary. 229,750; July 5; Serial No. 244,391; published Apr. 19, 1927.
Cocoa, chocolate, and candy. Stollwerck Bros. 66,311; renewed Nov. 19, 1927.
Coffee. H. G. Hill Stores, Inc. 229,784; July 5; Serial No. 244,499; published Apr. 26, 1927.
Coffee. C. D. Kenny Co. 229,612; July 5; Serial No. 245,275; published Apr. 26, 1927.
Coffee. C. S. Morey Mercantile Company. 66,165; renewed Nov. 12, 1927.
Coffee and fancy orange pekoe tea. Taffae & Bellion. 229,878; July 5.
Coffee, Roasted and ground. Southern Coffee Mills, Limited. 229,642; July 5; Serial No. 241,007; published Apr. 26, 1927.
Corn flakes. W. T. McElroy. 229,691; July 5; Serial No. 243,317; published Apr. 19, 1927.
Eggs. George Ehlenberger & Company. 229,731; July 5; Serial No. 244,004; published Apr. 19, 1927.
Extracts, Food-flavoring. Greever-Lotspeich Mfg. Co. 229,736; July 5; Serial No. 244,153; published Apr. 19, 1927.
Extracts for food purposes, Flavoring. Virginia Dare Extract Co. 229,895; July 5.
Feed, Stock. A. L. Finke. 229,882; July 5.
Feeds, Stock and poultry. Coles Company. 229,597; July 5; Serial No. 229,541; published Apr. 19, 1927.
Feeds, Stock and poultry. Coles Company. 229,857; July 5; Serial No. 228,976; published Apr. 19, 1927.
Figs, Dried. R. H. Selby. 229,770; July 5; Serial No. 238,287; published Apr. 26, 1927.
Fish, Fresh. Canadian Fish & Cold Storage Co. Ltd. 229,861; July 5.
Flour. Model Mill Company. 229,848; July 5; Serial No. 227,592; published Apr. 13, 1926.
Flour, Plain wheat and self-rising. Model Mill Company. 229,681; July 5; Serial No. 242,736; published Mar. 22, 1927.
Flour, Wheat. Columbia Mill & Elevator Company. 66,386; renewed Nov. 26, 1927.
Flour, Wheat. International Milling Company. 229,764; July 5; Serial No. 245,559; published Apr. 19, 1927.
Flour, Wheat. Lyon & Greenleaf. 63,530–1; renewed June 25, 1927.
Flour, Wheat. Lyon & Greenleaf. 63,815; renewed July 9, 1927.
Flour, Wheat. Pillsbury Flour Mills Company. 229,611; July 5; Serial No. 245,223; published Apr. 19, 1927.
Flour, Wheat. Washburn Crosby Company. 229,718; July 5; Serial No. 245,384; published Apr. 19, 1927.
Flour, Wheat. Whaley Mill & Elevator Co. 66,317; renewed Nov. 19, 1927.
Flour, wheat shorts, bran, cereal breakfast food, etc., Wheat. Norfolk Cereal and Flour Mills Company. 229,853; July 5; Serial No. 228,259; published Apr. 19, 1927.
Food sauces. Flavor-Aid Sauces Corp. 229,903; July 5.
Food, self-rising pancake flour, whole-wheat flour, etc., Breakfast. G. F. Earley & Son. 229,616; July 5; Serial No. 245,843; published Apr. 19, 1927.
Fruits and fresh grapes, Fresh citrous. F. S. Eckel. 229,854; July 5; Serial No. 228,600; published Apr. 26, 1927.
Fruits and grapes, Fresh citrous. F. S. Eckel. 229,852; July 5; Serial No. 228,231; published Apr. 26, 1927.
Fruits and vegetables, Fresh. Standard Growers Exchange. 229,744; July 5; Serial No. 211,717; published Apr. 26, 1927.
Fruits, Dried. R. H. Selby. 229,635; July 5; Serial No. 238,288; published Apr. 26, 1927.
Fruits, olives, canned fruits and vegetables, Dried. C. S. Morey Mercantile Company. 66,038; renewed Nov. 5, 1927.
Gum, Chewing. American Chicle Company. 229,626; July 5; Serial No. 243,408; published Apr. 26, 1927.
Lard compound. T. M. Sinclair & Co. 66,312; renewed Nov. 19, 1927.
Lard substitute. Cudahy Packing Company. 64,962; renewed Sept. 3, 1927.
Macaroni. G. C. Greco. 66,295; renewed Nov. 19, 1927.
Macaroni and vermicelli. Liberty Maccheroni Mfg. Co. 65,534; renewed Oct. 8, 1927.
Malt extracts for food purposes. Schorr-Kolkschneider Company. 229,856; July 5; Serial No. 228,669; published June 29, 1926.
Meats, Smoked and pickled. F. A. Ferris & Company. 56,718; renewed Oct. 16, 1926.
Mincemeat. Old Time Mince Meat Corporation. 229,817; July 5; Serial No. 241,295; published Apr. 19, 1927.
Oil, Edible vegetable. Lo Presti Bros. 229,908; July 5.
Oleomargarine. John F. Jelke Company. 229,742; July 5; Serial No. 207,379; published Feb. 16, 1926.
Olives, Preserved fruits, and capers, Bottled. La Manna, Azema & Farnan. 229,617; July 5; Serial No. 245,354; published Apr. 26, 1927.
Oranges, lemons, and grapefruit. La Verne Orange Association. 229,624; July 5; Serial No. 243,377; published Apr. 26, 1927.
Oranges, lemons, and grapefruit. La Verne Orange Association. 229,787; July 5; Serial No. 243,374; published Apr. 26, 1927.
Oranges, lemons, and grapefruit. Lemon Grove Fruit Growers Association. 229,631; July 5; Serial No. 237,672; published Apr. 20, 1927.
Pretzels. H. B. McNeal. 229,871; July 5.
Salad dressing. L. A. Dickinson. 229,735; July 5; Serial No. 245,297; published Apr. 26, 1927.
Tomatoes. H. M. Batczel. 229,781; July 5; Serial No. 244,421; published Apr. 26, 1927.
"Tow foo," canned bean sprouts, soups, etc. T. Lam. 229,675; July 5; Serial No. 242,198; published Apr. 19, 1927.

CLASS 48.

Malt sirup, Barley. D. L. Rosenfeld. 229,613; July 5; Serial No. 245,297; published Apr. 26, 1927.

CLASS 49.

Whisky. C. P. Moorman & Company. 62,714–17; renewed May 21, 1927.
Whisky. C. P. Moorman & Company. 62,768; renewed May 21, 1927.

CLASS 50.

Posture chart for the instruction of the blind. M. K. Hart. 229,859; July 5.

ALPHABETICAL LIST OF LABELS.

Apache. For Oranges. Pomona Fruit Growers Exchange. 32,389; July 5.
All In One. For Furniture Polish. Wickesser & Sons. 32,402; July 5.
Aristocratic. For Olive Oil. Lekas and Drivas. 32,381; July 5.
Blue Mound. For Canned Pineapple. Kurth Brothers Company. 32,379; July 5.
Caliptus Soap. For a Germicidal Hygienic Bath and Toilet Soap Combined with Eucalyptus Oil. F. H. Welling. 32,399; July 5.
Calsher. For California Sherry Wine Seasoning. California Wine Grape Products, Inc. 32,372; July 5.
Chuckles. For Candy. Fred W. Amend Co. 32,369; July 5.
Cincinnatus. For Fresh Tomatoes. Flatow, Riley and Company. 32,375; July 5.
Creamery Butter. For Butter. Butler Paper Products Co. 32,371; July 5.
Cuban Gems. For Pineapple. West Indies Fruit Importing Company. 32,400; July 5.
Dainty Maid. For Flavored Fruit Pectin Mixture for Making Jelly and a Fruit Pectin Mixture with Sliced Peel Added for Making Jelly or Marmalade. Murray California Food Products, Inc. 32,384; July 5.
Durogios. For Polishes and Cleansers. Satiniac Co. 32,394; July 5.

Fecker's. For Malt Extract for Food and Beverage Purposes. Fecker Company. 32,374; July 5.
Foothill. For Oranges. Redlands Foothill Groves Incorporated. 32,392; July 5.
Franklin Process Dyed. For Textile Fabrics. Franklin Process Company. 32,376; July 5.
Golden Bowl. For Lemons. Teague-McKevett Company. 32,396; July 5.
Golden West. For Oranges. G. H. Gobruegge. 32,377; July 5.
Hawk. For Oranges. Pomona Fruit Growers Exchange. 32,391; July 5.
Kilrust. For Compound for Removing and Resisting Rust. C. Deedera. 32,373; July 5.
Lactosan. For Insecticide. Lactein Co. 32,380; July 5.
Little's Famous Pride of the Nation. For Coffee. M. A. Little. 32,382; July 5.
Nesquin. For Canned Pears. Wilcox-Hayes Co. 32,403; July 5.
Newhall. For Fresh Oranges. G. A. Newhall. 32,385; July 5.
Oakbrook. For Hosiery. Oakbrook Hosiery Mills, Inc. 32,386; July 5.
Parrot. For Oranges. Pomona Fruit Growers Exchange. 32,390; July 5.

Pineapple Brand. For Pineapple Sirup. S. L. Moore. 32,383; July 5.
Plantation Pride. For Table Sirup. Robinson Syrup Company. 32,393; July 5.
Pueblo. For Oranges. Pomona Fruit Growers Exchange. 32,388; July 5.
Rain Proof Genuine Kraft Raisin Tray Paper. For Paper Linings for Raisin Trays. Zellerbach Paper Co. 32,404; July 5.
Rust-Out. For a Preparation for Cleaning Motor Blocks and Radiators of Automobiles. A. E. Oldham. 32,387; July 5.
Sally Sawyer's Scrap Book. For Materials for Making Scrap-books. E. L. Heckman. 32,378; July 5.
School Chews. For Candy. Paul F. Beich Company. 32,370; July 5.
Senorita. For Fresh Pineapples. West Indies Fruit Importing Company. 32,401; July 5.
Shake-Well. For Automobile Cleaner. Shake-Well Products Co. 32,395; July 5.
Silver Gin Fizz. For a Carbonated Drink. N. R. Wegemer. 32,398; July 5.
Your Choice Brand. For Soap. United Products Co. 32,397; July 5.

ALPHABETICAL LIST OF PRINTS.

A New Marshak Product. For a Sirup Consisting of Cocoa, Sugar, and Malt. Marshak Maltmolak Co. Inc. 10,027; July 5.
All Music is Built Around The Piano—Teach Your Child to Play it. For Pianos. W. H. Doyle. 10,021; July 5.
C. C. & B. M. A. For Printed or Ruled Office Stationery. B. M. Gordon. 10,025; July 5.
Chigger-Choke. For Chigger Control in Powdered Form. V. H. Schoffelmayer. 10,033; July 5.
Film Oil. For Lubricating Oils. W. Abbott. 10,010; July 5.
Flit Kills Moths—Again Flit Will Lead. For Insecticide. Stanco Distributors, Incorporated. 10,034; July 5.
For Safety The Vault O. B. McClintock Co. Ventilator. For Vault Ventilators. O. B. McClintock Company. 10,028; July 5.
For Your Own Safety as Well as The Public—Ilco-Ryan-Lites. For Automobile Lamps. Indiana Lamp Corporation. 10,026; July 5.
H. P. Nielsen Sons. For Jewelry, Optical Goods, Glass and China Ware, and Gifts. H. P. Nielsen Sons. 10,029; July 5.
How Are You Going to Reach Your Partially Developed or Undeveloped Markets? For Eagle-A Business Papers. American Writing Paper Co. 10,012; July 5.
Kill Insect Pests Spray. For Insecticide. Standard Oil Company (New Jersey). 10,035; July 5.
Knickerbocker Ruppiner. For a Beverage. J. Ruppert. 10,032; July 5.
One of the World's Greatest Newspapers Using Rag Paper For Permanence. For Eagle-A Business Papers. American Writing Paper Company. 10,013; July 5.
Paint for Beauty With This White White Paint. For Paint. New Jersey Zinc Company. 10,030–1; July 5.
Piano Style Sheet. For Pianos. Cable Company. 10,016; July 5.
Princess Mary, Beauty and Charm. For Toilet Articles. French Beauty Products Co. 10,022; July 5.
Princess Mary, Guide to Facial Loveliness and Personal Grooming. For Toilet Articles. French Beauty Products Co. 10,024; July 5.
Princess Mary Make-Up. For Toilet Articles. French Beauty Products Co. 10,023; July 5.
She Runs as Fast as Any Boy. For Wheat Breakfast Food. Cream of Wheat Co. 10,019; July 5.
The Mainroad to Comfort. For Athletic Underwear. B. V. D. Company. 10,015; July 5.
There's Such a Thing as Sincere Underwear. For Athletic Underwear. B. V. D. Company. 10,014; July 5.
This Boy can Knock it out of the Lot. For Wheat Breakfast Food. Cream of Wheat Co. 10,018; July 5.
Try This Simple Test For Moisture-Proofing. For Talcum Powders for Nursery and Toilet Use. Crystal Chemical Company. 10,020; July 5.
What Makes one Catalog More Successful Than Another. For Business Papers. American Writing Paper Co. 10,011; July 5.
Your Shoes Denote Your Character. For Shoes. Common Sense Novelty Co. 10,017; July 5.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Campbell Coal Company. 244,540; July 5.
Coal. F. M. Spencer Coal Co. 248,449; July 5.
Fuel in the form of briquettes and in granular or powdered form. Carbocite Incorporated. 178,427; July 5.
Leather. Barnet Leather Co. 244,387; July 5.
Leather, Tanned. R. Neumann & Company. 247,746; July 5.
Shuttle blocks, picker-stick blanks, lawn-mower handle blanks, etc. Golf Shaft & Block Company. 214,319; July 5.
Volcanic ash. Volcanic Ash Company of America. 245,416; July 5.

CLASS 2.

Bags, Cloth. Albert Dickinson Company. 248,665; July 5.
Cartons, Corrugated and solid fiber board. Interstate Corrugated Box Co. 248,495–7; July 5.

CLASS 3.

Cases, Overnight. Hauser & Weil. 245,557; July 5.
Key holders. A. F. Dodson. 249,409; July 5.

CLASS 4.

Cleaner, Dry. Apex Motor Fuel Company. 228,792; July 5.
Cleaning material. Purity Chemical Products Company. 244,572; July 5.
Cleansers, Dairy. J. G. Garrish. 249,582; July 5.
Cleansing compound, Brick. I. Kass. 249,009; July 5.
Detergent preparation. Enoch Morgan's Sons Company. 249,364; July 5.
Oils. White & Hodges. 249,628; July 5.
Polishes, Metal. I-Sis Laboratories, Inc. 249,122; July 5.
Shoe dressing and polish. L. B. Kunkel. 249,664; July 5.
Soap. Swift and Company. 249,244; July 5.
Washing fluid. J. Riccardi. 244,184; July 5.
Washing powder. Poland Soap Works. 249,748; July 5.

CLASS 6.

Ammonia, baking soda, baking powder, etc. C. Callahan Company. 248,553; July 5.
Coal-tar derivative. Röhm & Haas Company. 247,511; July 5.
Dental cream and dental wash. Sterello Company. 243,461; July 5.
Dentifrices. Societe Anonyme les Dentifrices du Docteur Pierre. 249,383; July 5.
Deodorizer and moth repellent. Puritan Chemical Company. 249,604; July 5.
Hairdressing and face cream. L. Weaver. 245,876; July 5.
Hair grower and tonic. Stroman & Reavis. 247,832; July 5.
Insecticide. W. J. Mendralski. 249,185; July 5.
Medical bath liquid. A. Freund. 247,534; July 5.
Medicinal aqueous solution. E. T. Jones. 249,527; July 5.
Medicinal preparation. D. Kasten. 248,700; July 5.
Medicinal preparation. D. Matthews. 249,597; July 5.
Medicinal preparation. Dr. J. H. McLean Medicine Co. 232,931; July 5.
Medicinal preparation. E. T. Pearson and Company Limited. 243,453; July 5.
Medicinal tonic. Peoples Drug Stores, Inc. 240,996; July 5.
Medicine. R. E. Gaston. 249,413; July 5.
Medicine, Cough. Esca Pharmaceutical Laboratories. 249,578; July 5.
Moth Crystals. C. A. Bentell. 249,833; July 5.
Mouth wash, catarrhal cream, etc. F. Garfinkel. 245,347; July 5.
Oil. Charles Arnao Company. 249,633; July 5.
Ointments for skin diseases. B. W. O'Connell & Company. 249,017; July 5.
Perfumes and toilet articles. Neiman-Marcus Company. 241,115; July 5.
Perfumes and toilet waters. Chas. A. Stevens & Bros. 249,758; July 5.
Pharmaceutical preparation. Rogers Bros. & Co. 248,324; July 5.
Powders, creams, packs, toilet waters, etc., Face. Heather Company. 246,278; July 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preparation for scouring vegetable textile materials. H. & B. Textile Chemical Corporation. 249,168; July 5.
Preparations used in dressing the hair. Fredman-Cramer Company. 233,539; July 5.
Roach powder. G. Peters. 247,906; July 5.
Salt, Table. Leslie-California Salt Co. 242,011; July 5.
Salves. H. P. Trout. 248,536; July 5.
Spray, Throat and nasal. F. W. Mitchell, M. D. 242,138; July 5.
Tonic. B. Menachof. 248,854; July 5.
Water softener. Jifco, Inc. 243,369; July 5.
Water softener. H. & B. Textile Chemical Corp. 249,169; July 5.
Witch-hasel extracts, dusting powders, liquid nail polish, depilatories, etc. A. H. Arlt. 228,962; July 5.

CLASS 7.

Rope, Wire. American Cable Company. 232,112; July 5.

CLASS 11.

Inks, Writing. L. E. Waterman Company. 247,833–4; July 5.

CLASS 12.

Asbestos insulation, Railway-car. Union Asbestos & Rubber Company. 245,764; July 5.
Boards. Universal Gypsum Company. 224,536; July 5.
Brick. Acme Brick Company. 248,383; July 5.
Brick. Acme Brick Company. 248,386; July 5.
Building structures for use in parking automobiles. Motor Shoppers Parkadrome Markets, Inc. 233,652; July 5.
Fiber boards. Agasote Millboard Co. 249,251; July 5.
Fireplaces. Readybuilt Products Company. 248,196; July 5.
Floors or the material from which they are constructed, Hardwood. R. J. Deeney. 245,959; July 5.
Iron, Finely-ground clear gray. Contract Waterproofing Company. 244,987; July 5.
Lath, Metal. Edwards Manufacturing Company. 248,624; July 5.
Laths, Metal. North Western Expanded Metal Company. 249,090; July 5.
Lime. Augusta Lime Company. 249,775; July 5.
Lime. Woodville Lime Products Co. 249,688–90; July 5.
Lime, Hydrated. Grand Canyon Lime & Cement Co. 242,720; July 5.
Material for making cementitious structures and for pointing up. Baldwin-Tarvin Company. 248,951; July 5.
Plastic substance consisting largely of wood or other fiber, a binder, and a solvent. G. J. Liebich Co. 247,798; July 5.

CLASS 13.

Bathtubs, sinks, lavatories, laundry trays, etc. D. L. Hamill Co. 248,177; July 5.
Casters for furniture, Slide. Foote, Pierson & Company. 247,469; July 5.
Nails. Strowan Corporation. 220,259; July 5.
Sash balances. Frank Graves Sash, Door & Mill Co. 249,054; July 5.

CLASS 14.

Castings, Steel. Birdsboro Steel Foundry and Machine Company. 248,808; July 5.

CLASS 15.

Oils, greases, and waxes. Vacuum Oil Company. 246,790; July 5.
Oils, Lubricating. A. From. 247,078; July 5.

CLASS 16.

Finishing compound, Automobile. Sewell Paint and Varnish Company. 247,103; July 5.
Lacquers, Cellulose-ester. Rohm & Haas Company. 247,512; July 5.
Paints, varnish stain, oil stain, etc. Sullivan Paint Company. 247,346; July 5.
Polish, Automobile and furniture. K. Sandhop. 246,935; July 5.
Whiting. Aalborg Portland-Cement-Fabrik. 247,155; July 5.

CLASS 17.

Cigars. C. F. Garcia. 248,096; July 5.
Cigars. International Tobacco Products Company. 240,260; July 5.

CLASS 19.

Automobiles, Second-hand Buick. Howard Automobile Company. 236,037; July 5.

CLASS 21.

Electric stoves and ranges. Charter Oak Stove & Range Company. 248,219; July 5.
Electric water heaters. Red Spot Electric Co. 249,021; July 5.
Electrical lighters and dispensers, Automatic. American Metal Products Corporation. 248,341; July 5.
Lavatory drying apparatus. Chicago Hardware Foundry Company. 248,346; July 5.
Lighting fixtures. Matthews Electric Supply Co. Inc. 247,275; July 5.
Loud speakers. Stewart-Warner Speedometer Corporation. 242,317; July 5.
Radio loud speakers. R. H. A. Englund. 244,436; July 5.
Radio receiving apparatus. Pal Radio Company. 238,520; July 5.
Radio receiving sets and parts thereof. Grimes Radio Engineering Co. 248,898; July 5.
Radio receiving sets and parts thereof. Neutrowound Radio Mfg. Co. 248,967; July 5.
Vacuum tubes and valves. Radio Corporation of America. 246,773; July 5.

CLASS 22.

Game, Clock golf. Premier Sport Products, Incorporated. 248,125; July 5.
Golf balls. Draper-Maynard Company. 249,648; July 5.
Golf tees. Standard Co. 248,450; July 5.
Imitation candy. J. E. Nathanson. 249,672; July 5.
Woolly dogs, dolls, rattles, etc. Best & Co. 242,469; July 5.

CLASS 23.

Adzes, axes, bush hooks, grass hooks, grub hoes, etc. Kelly Axe & Tool Co. 240,142; July 5.
Lathes. Sidney-Machine Tool Company. 247,827; July 5.
Machines for moistening, serving, or applying adhesive, etc. Nashua Package Sealing Co. Inc. 245,365; July 5.
Pumps. Dayton Pump & Manufacturing Company. 248,314; July 5.
Razors and safety razors. Friedr. Herder Abr. Sohn. 249,411; July 5.
Sprayers, spray pumps, and powder dusters. D. B. Smith & Company. 249,548; July 5.
Tackle and hoisting blocks and sheaves. Boston & Lockport Block Company. 238,567; July 5.

CLASS 26.

Adding machines. Victor Adding Machine Company. 248,333; July 5.

CLASS 27.

Watches. Goldsmith, Stern & Company. 245,902; July 5.
Watches, watchcases and watch movements. Katz & Ogush, Inc. 244,080; July 5.
Watches, watchcases, and watch movements. Katz & Ogush, Inc. 248,574; July 5.

CLASS 28.

Jewelry and novelties. Stein & Ellbogen Company. 246,510; July 5.
Necklaces, brooches, bracelets, etc. Cohn & Rosenberger, Inc. 247,888–9; July 5.
Rings, Wedding. Interstate Smelting & Refining Co. Inc. 247,795; July 5.

CLASS 29.

Powder puffs. S. Blechman & Sons, Inc. 247,254; July 5.
Powder puffs. A. L. Siegel. 247,043; July 5.

CLASS 32.

Cabinets for radio phonograph. Landay Bros., Inc. 248,578; July 5.
Pillows and mattresses. Sunset Feather Company. 238,409; July 5.

CLASS 34.

Furnaces. New Holland Machine Co. 248,511; July 5.
Gas-lighting plants. C. S. Trump. 246,239; July 5.
Ranges, etc., Gas and coal. Malleable Iron Range Company. 247,090; July 5

CLASS 35.

Rubber tires, inner tubes, etc. Chicago Mail Order Company. 235,110; July 5.

CLASS 36.

Bows for stringed instruments. Carl Fischer Inc. 242,718; July 5.
Pianos and player pianos. Behr Bros. Co. Inc. 231,180; July 5.
Reeds for metal wind instruments. Carl Fischer, Inc. 245,703; July 5.
Sound-reproducing machines, Electric pick-ups used in connection with. Adams-Sibley Development Corporation. 248,662; July 5.

CLASS 37.

Card indexes, guide cards, etc. Duradex Company. 247,363; July 5.
Fiber board. Sterling Fibreboard Company. 246,720; July 5.
Paper back with an adhesive-applied layer of cloth. Reversible Collar Company. 247,910; July 5.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paper, Cover. Holyoke Card & Paper Company. 246,552; July 5.
Paper, Wrapping. Continental Paper & Bag Mills Corporation. 246,268; July 5.

CLASS 38.

Illustrations, Pictorial. Textile Publishing Company. 247,046; July 5.
Newspaper, Title for a daily evening. News Publishing Company. 248,185; July 5.
Publication. Musical America Company. 245,857; July 5.
Publications. Upson Company. 244,582; July 5.

CLASS 39.

Apparel, Women's and children's wearing. Felix Brunschwig & Co. Inc. 247,531; July 5.
Boots and shoes. Endicott Johnson Corporation. 248,033–5; July 5.
Boots and shoes. Utz & Dunn Company. 247,764; July 5.
Clothing. Bond Stores, Incorporated. 245,887; July 5.
Clothing for men. Joseph H. Cohen & Sons, Vanity Clothes, Inc. 248,158; July 5.
Clothing, Men's and boys'. Missouri Clothing Co. 248,184; July 5.
Coats and capes, Waterproof. Pearson Brothers. 246,976; July 5.
Coats, trousers, suits, and overcoats. Geo. R. Bliss & Son, Inc. 248,669; July 5.
Corsets, aprons, clothing, bloomers, etc. Palais Royal, Inc. 244,098; July 5.
Hats and caps. John B. Stetson Company. 249,201; July 5.
Headwear, Sunshade. D. E. Huger. 249,120; July 5.
Heels, Rubber. Non-Skid Balloon Heel Corporation. 223,319; July 5.
Hosiery. Climax Hosiery Mills. 248,738; July 5.
Hosiery. Melville Shoe Corporation. 248,704; July 5.
Hosiery. Phoenix Hosiery Company. 248,787; July 5.
Hosiery. Voorhees Sales Company. 247,507; July 5.
Hosiery and underwear for women. A. Kobb. 247,026; July 5.
Hosiery, dresses, coats, suits, bloomers, underwear, etc. American Cellulose & Chemical Manufacturing Company. 239,349; July 5.
Neckties. L. Friedman Neckwear Corporation. 246,895; July 5.
Neckwear, Ladies'. Kadet-Kruger & Co. 243,857; July 5.
Nightgowns, bathing suits, etc. Auerbach Company. 247,060; July 5.
Overalls. F. S. Jones Co. 242,341; July 5.
Overalls, coats, shirts, pants, and caps. High Point Overall Company. 246,681; July 5.
Overalls, work shirts, coats, and jumpers. Ades-Lexington Dry Goods Co. 245,879; July 5.
Raincoats and suits. Comer Manufacturing Company. 248,089; July 5.
Robes, Blanket, bath, lounging, and house. Behrens & Kashins, Inc. 248,218; July 5.
Shirts and overalls, Dress and work. C. D. Schneider. 239,544; July 5.
Shoes. United Novelty Shoe Company. 247,506; July 5.
Shoes, Soles and heels for. Shoe-Tread Corporation. 218,502; July 5.
Slickers, raincoats, sheepskin coats, and rain hats. Crescent Rubber Company. 237,407; July 5.
Suits, coats, overcoats, etc. Havens-Blair-Cartlich. 248,636; July 5.
Suits, shirts, gloves, hats, and caps. R. J. Macartney Company. 249,132; July 5.
Suits, Swimming. Arr Tee Knitting Mills. 247,661; July 5, 1927.
Underwear. Oppenheim, Oberndorf & Co. Inc. 241,785; July 5.
Underwear. Van Dyke Knitting Company. 247,347; July 5.
Union suits, Men's and boys'. Carson Pirie Scott & Co. 231,523; July 5.

CLASS 40.

Hairpins. Duplex Pin Company. 238,435; July 5.

CLASS 42.

Blankets, sheets, etc. C. F. Hovey Co. 247,476; July 5.
Cloths, cloth blankets, etc., Wash. S. Blechman & Sons, Inc. 247,252; July 5.
Cotton piece goods. Nashua Manufg. Company. 248,012; July 5.
Cotton piece goods. Clarence Whitman & Sons, Inc. 249,761; July 5.
Linen, cotton, silk, and rayon piece goods, etc. Scher-Sanders Corporation. 247,217; July 5.
Pile fabrics. Merrimack Manufacturing Company. 249,738–9; July 5.
Rugs, Textile. Hillside Cotton Mills. 244,935; July 5.
Silk piece goods. Stehli Silks Corporation. 243,892; July 5.
Silk piece goods and lace fabrics. Alfred Kohlberg, Inc. 249,663; July 5.
Silk, wool, cotton, and hairs, Piece goods of. Blanchisd, Ferier. 247,671; July 5.
Tapestry and wall drapes, curtains, etc. S. Blechman & Sons, Inc. 247,255; July 5.
Textile fabrics, Worsted and woolen. Holden-Leonard Company. 248,232; July 5.
Woolen piece goods. Forstmann & Huffmann Company. 249,653–4; July 5.

CLASS 44.

Magnetic coil belts, Electric. C. H. Shields. 247,644; July 5.
Sanitary belts. Olmstead Corporation. 247,561; July 5.

CLASS 45.

Beverage and sirup for making the same. H. Cappas. 249,487; July 5.
Beverages. Major Fruit Products Company. 246,214; July 5.
Beverages sold as soft drinks and sirups for making the same. E. A. Roebke. 236,773; July 5.
Ginger ale and beverages. John Graf Company. 249 657; July 5.
Juices for beverage purposes, Fruit. Citrus Products Corporation. 207,968; July 5.
Water, Spring. W. Sinaiko. 249,680; July 5.

CLASS 46.

Beans, Dried. Chatterton & Son. 244,666; July 5.
Bread. J. H. Bullock. 218,596; July 5.
Bread. Smith's Bakery, Inc. 247,575; July 5.
Butter and eggs. P. C. Anderson. 248,402; July 5.
Cake mixture. C. M. Pitt & Sons Company. 248,251; July 5.
Cakes, pies, sandwiches, etc. Collier's Beacon Inn, Inc. 248,348; July 5.
Canned fruits, vegetables, etc. F. Laifer & Sons. 248,848; July 5.
Candy. Euclid Candy Company. 231,798; July 5.
Candy. Queen Anne Candy Company. 249,807; July 5.
Candy bar. Shotwell Mfg. Co. 249,679; July 5.
Candy ice-cream cups. Kick Products Co. 246,911; July 5.
Canned fruits. Greco Canning Company. 235,208; July 5.
Cocoa, chocolate, biscuits, etc. Gebrüder Stollwerck A. G. 236,741; July 5.
Codfish. Gorton-Pew Fisheries Company, Ltd. 247,995–6; July 5.
Coffee. Clark Restaurant Company. 221,693; July 5.
Coffee. Young & Griffin Coffee Company. 244,418; July 5.
Cookie. Ontario Biscuit Company. 249,018; July 5.
Crackers, Graham. Bishop and Company. 247,247; July 5.
Feed, Poultry. Ralston Purina Company. 248,328; July 5.
Flour, Wheat. Wabasha Roller Mill Company. 248,667; July 5.
Food product. Malt-O-Egg Company. 247,877; July 5.
Food starches. Joseph Morningstar & Co. Inc. 245,866; July 5.
Fruit, Fresh citrous. Orange Mutual Citrus Association. 249,533; July 5.
Fruits and grapes, Fresh. Vacaville Fruit Growers Association. 249,558; July 5.
Gum, Chewing. Wm. Wrigley Jr. Company. 245,772; July 5.
Honey. Charles B. Justice & Co. 248,572–3; July 5.
Ice-cream confection. S. Przybyszewski. 248,066; July 5.
Macaroni. Quaker Oats Company. 248,725; July 5.
Noodles. H. B. McNeal. 247,479; July 5.
Oil, Olive. Simoncelli Bros. 231,284; July 5.
Peanuts, almonds, pistachio nuts, etc. J. C. Hersog. 245,053; July 5.
Popcorn, Raw. Cracker Jack Co. 232,814; July 5.
Potato chips and mayonnaise. Yo-Ho Pure Food Products Co. 247,053; July 5.
Sandwiches. Duncan, Sprankle & Turgeon. 229,379; July 5.
Sandwiches. Duncan, Sprankle & Turgeon. 229,381; July 5.
Sandwiches and coffee. Duncan, Sprankle & Turgeon. 229,378; July 5.
Sandwiches and coffee. Duncan, Sprankle & Turgeon. 229,380; July 5.
Sandwiches and coffee. Duncan, Sprankle & Turgeon. 229,382; July 5.
Wafers, Bran. B. Beuchel. 248,276; July 5.

CLASS 48.

Malt and hops, Extract or sirup of. Reading Malt & Hops Co. 249,540; July 5.
Malt sirup. Buckeye Producing Co. 241,516; July 5.
Malt sirup. Carr and Craig. 249,779; July 5.
Malt sirup, Hop-flavored. Brodie's, Inc. 249,509; July 5.

CLASS 50.

Household appliance. Novelty Manufacturing Company. 247,812; July 5.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adair, Thomas D., jr., Dorchester, assignor, by mesne assignments, to L. L. Elden, Brookline, and D. S. Boyden, Boston, Mass. Transformer. 1,634,440; July 5.
Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Brake. 1,635,021; July 5.
Aktiebolaget Svenska Kullagerfabriken. (See Hultgren, A. G. E., and Thoren, assignors.)
Aktiebolaget Vaporackumulator. (See Constam, Ernst, assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company, Controlling alternating currents. 1,634,970; July 5.
Allen, Arthur F., Alameda, Calif. Hat tree. Des. 72,974; July 5.
Allen, John S., Worcester, Mass. Puzzle. 1,635,022; July 5.
Allen, Robert C., Essington, Pa., assignor to Westinghouse Gear and Dynamometer Company, Reduction gearing. 1,634,863; July 5.
Allen, Robert C., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine-cooling means. 1,634,894; July 5.
Allen, Seton J., Vineland, N. J. Last for making shoes. 1,634,815; July 5.
Allen, Seton J., Vineland, N. J. Shoe. 1,634,816; July 5.
Allison, Clifford E., assignor to Willamette Iron and Steel Works, Portland, Oreg. Hoisting apparatus. 1,634,529; July 5.
American Arch Company. (See Himmelright, Raleigh J., assignor.)
American Can Company. (See Butler, William F., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Peters, John F., assignor.)
American Can Company. (See Young, John M., assignor.)
American Cystoscope Makers, Inc. (See Wappler, Reinhold H., assignor.)
American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
American Laundry Machinery Company, The. (See Colclough, William, assignor.)
American Laundry Machinery Company, The. (See Dreher, A. J., and Benjamin, assignors.)
American Laundry Machinery Company, The. (See Holden, Harry C., assignor.)
American Motor Body Corporation, The. (See Stubblebine, R. F., and Dolan, assignors.)
American National Red Cross, The. (See Clark, N. D., and Armstrong., assignors.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Optical Company. (See Tully, George L., assignor.)
American Sterilizer Company. (See Hall, J Everett, assignor.)
American Telephone and Telegraph Company. (See Blauvelt, William G., assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Parker, Raymond D., assignor.)
American Telephone and Telegraph Company. (See Shackleton, Samuel P., assignor.)
Amiss, James T., Baton Rouge, La. Automobile jack. 1,634,891; July 5.
Amory, William N., New York, N. Y., assignor to Arch-Cushion Corporation. Resilient support for vehicle bodies. 1,634,895; July 5.
Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)
Anchor Cap and Closure Corporation. (See Ramsey, George, assignor.)
Anderson, Charles W., Milan, Ohio. Drain trap. 1,634,530; July 5.
Anderson, Harry S., Los Angeles, Calif. Steam generator. 1,634,604; July 5.
Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,634,250; July 5.
Angle, Glenn D., Dayton, Ohio. Engine-cylinder valve port and stem-guide structure. 1,635,023; July 5.
Angle, Glenn D., Detroit, Mich., and H. M. Morehouse, Dayton, Ohio. Valve-port arrangement for internal-combustion engines. 1,634,971; July 5.
Ansel, Harry R. (See Bloss, R. R., Strout, and Ansel.)
Arch-Cushion Corporation. (See Amory, William N., assignor.)
Arcturus Radio Co., The. (See Brockway, Carl P., assignor.)
Armistead, Hubert M., San Francisco, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Ribbon-carrying arm for manifolding typewriters. 1,634,605; July 5.
Armstrong, Alma B. (See Clark, N. D., and Armstrong.)
Arnold, Robert B. (See Gross, P. M., and Arnold.)
Aronson, Louis V., Newark, N. J. Ornament. 1,634,251; July 5.
Artcolor Motion Picture Company. (See Miller, Frederic B., assignor.)
Artcraft Metal Stamping Corporation. (See Shapiro, Saul, assignor.)
Asher Manufacturing Company. (See Olson, Werner O., assignor.)
Aulenback, James R., Bridgewater, Nova Scotia, Canada. Beamer. 1,635,067; July 5.
Ayvad, Hachig A, West New York, N. J. Swimming bag. 1,634,313; July 5.
Ayvad, Hachig A, West New York, N. J. Valve for swimming bags. 1,634,314; July 5.
Babcock, Asa M., Lorain, Ohio. Spring motor. 1,634,864; July 5.
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Bach, Oscar B., New York, N. Y. Secretary. Des. 72,975; July 5.
Baily, Thaddeus F., Alliance, Ohio. Electrode control for arc furnaces. 1,634,483; July 5.
Baker, Linnaeus E., assignor to Wayne Company, Fort Wayne, Ind. Safety mechanism for dispensing apparatus. 1,634,817; July 5.
Baker Perkins Company. (See Gase, Eugene, assignor.)
Baker Perkins Company. (See Reiger, Carl S., assignor.)
Baker, William H., Montreal, Quebec, Canada. Cloth-roll mounting for looms. 1,635,024; July 5.
Baker, William H., assignor to F. W. Fairman, Montreal, Quebec, Canada. Loom. 1,634,818; July 5.
Ball Brothers Company. (See Schram, Alexander L., assignor.)
Ball, Guy M., Dayton, Ohio. Quenching fluid. 1,635,025; July 5.
Ballman, Edward C. (See Mattern, P. J., and Walter, assignors.)
Balls, Arnold K., Philadelphia, Pa. Preserving cane juice. 1,634,848; July 5.
Banker, Garrett N., Kew Gardens, N. Y. Remedy for seasickness. 1,634,315; July 5.
Banker, Oscar H., Chicago, Ill. Band-saw sharpener. 1,634,281; July 5.
Barker, Conley T., Gate City, Va. Heading and loading kafir corn, maize, and the like. 1,635,106; July 5.
Barnes, Walter C., Taft, Calif. Core drill. 1,634,865; July 5.
Barr and Stroud, Limited. (See Strang, John M., assignor.)
Barrett, George E., assignor to Lenher Engineering Company, New York, N. Y. Driving mechanism for the windlasses and capstans of vessels. 1,634,766; July 5.
Barrett, Joseph M., assignor to The "S-C" Regulator Manufacturing Company, Fostoria, Ohio. Automatic alarm and shut-off for steam boilers. 1,634,392; July 5.
Barron, Nicholas N., Newark, N. J. Burial casket or coffin. 1,634,767; July 5.
Bartlebaugh, David W., Springfield, Ohio. Weeder and the like. 1,634,606; July 5.
Bartlett Hayward Company, The. (See Kennedy, James S., assignor.)
Bartlett, Newell R., Springfield, Mass. Lock butt for asphalt shingles. 1,634,972; July 5.
Bartlett, Willard J. (See Wright, J. G. E., and Bartlett.)
Barton, John, Matador, Tex. Propeller. 1,634,393; July 5.
Baruch, Samuel, New York, N. Y. Antirattling device. 1,634,249; July 5.
Bates, Solomon W., deceased, Portland Me.; F. E. Haines, executor. Oil burner. 1,634,819; July 5.
Bates Valve Bag Company. (See Fegely, Nathan M., assignor.)
Battle-Fyre Company. (See Burke, George W., jr., assignor.)
Baur, Hugo J., assignor, by mesne assignments, to S. S. Gorham, trustee, Chicago, Ill. Fare box. 1,634,441; July 5.

Bay State Optical Company. (See Nerney, George E., assignor.)
Bay State Optical Company. (See Siddall, Wilbur H., assignor.)
Baybutt, Richard, and E. S. Farrow, jr., assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose acetate and making the same. 1,635,026; July 5.
Beach, John W. (See Bristow, John J. R., assignor.)
Becher, Edward, New York, N. Y. Massaging heating roller. 1,634,316; July 5.
Bechle, Edward, Kiel, Wis. Bow-facing oar. 1,634,282; July 5.
Behr, Peter B. (See Mann, Robert C., assignor.)
Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Lubricating system. 1,634,820; July 5.
Belin, Edouard, Paris, France. Transmitting pictures. 1,635,027; July 5.
Bellevue Manufacturing Company, The. (See Martin, Jacob F., assignor.)
Bendix Brake Company. (See Andres, William J., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See Krieg, Walter L., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See Thomas, George J., assignor.)
Benham, William T., Norwood, and J. E. Dwyer, assignors to The Hall's Safe Company, Cincinnati, Ohio. Time-lock means. 1,634,928; July 5.
Beni, Frank, and D. Iarussi, Cleveland, Ohio. Safety attachment for aeroplanes. 1,634,442; July 5.
Benjamin, Dana H. (See Dreher, A. J., and Benjamin.)
Bennett, Frederick F., Ypsilanti, Mich. Oil burner. 1,634,443; July 5.
Bens, Samuel J., New York, N. Y. Bearing for link chains and belts. 1,634,641; July 5.
Bens, Samuel J., New York, N. Y. Lubricant retainer or dust cover. 1,634,642; July 5.
Bens, Samuel J., New York, N. Y. Interlocking link. 1,634,643; July 5.
Bens, Samuel J., New York, N. Y. Link for chains or belts. 1,634,644; July 5.
Bens, Samuel J., New York, N. Y., assignor to Chain Saw Corporation, Wilmington, Del. Link joint for chains. 1,634,645; July 5.
Bens, Samuel J., New York, N. Y., assignor to Chain Saw Corporation, Wilmington, Del. Wheel or sprocket sheave. 1,634,646; July 5.
Bens, Samuel J., assignor to Chain Saw Corporation, New York, N. Y. Sprocket chain or link belt. 1,634,647; July 5.
Benson, Harry F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Impeller balancing and sealing device. 1,634,317; July 5.
Benton, William A., assignor to W. & T. Avery, Limited, Birmingham, England. Weighing apparatus. 1,634,444; July 5.
Bergman, William G., Point Place, Ohio. Burner for furnaces. 1,634,445; July 5.
Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Receptacle-filling apparatus. 1,635,159; July 5.
Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Receptacle-filling apparatus. 1,635,160; July 5.
Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)
Bergsten, Frank R., Elk River, Minn. Cultivator blade. 1,634,531; July 5.
Bernard, Henry R., New York, N. Y. Method of and device for preventing freezing of motor-cooling systems. 1,634,394; July 5.
Berolzheimer, Clarence P., Chicago Heights, Ill. Bobbin for braiding machines. 1,634,607; July 5.
Berry, Hiram N., Greenville, Miss. Cotton picker. 1,635,161; July 5.
Bertrand, Jean J. M., and L. J. H. Solanet, Paris, France. Internal-combustion engine with cylinders arranged in two opposite lines. 1,634,866; July 5.
Bevan, Albert E. (See McDonald, C. R., and Vevan.)
Bing, Julius, assignor to the Firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Electromagnet-Apparate, Eisenach, Germany. Electromagnetically-operated friction clutch. 1,635,068; July 5.
Bing Werke. (See Reischl, Ludwig, assignor.)
Bing Werke (formerly Gebrüder Bing A. G.) See Reischl, Ludwig, assignor.)
Bing-Werke, vorm. Gebr. Bing Aktiengesellschaft. (See Schliederer, Emil, assignor.)
Birch, Arthur, Arlington, Mass. Packing device for steam joints of drier cylinders and the like. 1,634,821; July 5.
Birkhols, Joseph A., Orange, N. J. Building unit. 1,634,283; July 5.
Blauvelt, William G., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone-exchange system. 1,634,734; July 5.
Blitz, Adolf, and A. S. Kux, Chicago, Ill. Swinging table. 1,634,929; July 5.
Bloss, Richard R., H. T. Strout, and H. R. Ansel, assignors to The International Derrick & Equipment Company, Columbus, Ohio. Metal sheeting. 1,635,147; July 5.
Blum, Hyman, Pittsburgh, Pa. Cellar-door hinge. 1,635,107; July 5.
Bluthardt, Gustav A., Dorchester, Mass. Merry-go-round. 1,635,108; July 5.
Boegen Gauge Company. (See Boegen, John E., assignor.)
Boegen, John E., assignor to Boegen Gauge Company, Inc., Los Angeles, Calif. Liquid-measuring attachment for tanks. 1,634,608; July 5.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Finial for lighting fixtures. Des. 72,976; July 5.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Finial for lighting fixtures. Des. 72,977; July 5.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Canopy for electric-lighting fixtures or similar articles. Des. 72,978; July 5.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Body frame for lighting fixtures or similar articles. Des. 72,979; July 5.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Strap for lighting fixtures or similar articles. Des. 72,980; July 5.
Bolleau, Joseph. (See Johnson, A. J., Bolleau, and Findell.)
Bollhelmer, Rhinehard, and E. T. Wilkens, Fort Laramie, Ohio. Tractor attachment. 1,634,446; July 5.
Bollman, John E., Rockford, Ill. Advertising sign. 1,634,568; July 5.
Bonner-Charter Corporation. (See Bonner, Clarence E., assignor.)
Bonner, Clarence E., New York, N. Y., assignor to Bonner-Charter Corporation. Engine lubrication. 1,634,768; July 5.
Borletti, Romualdo, Milan, Italy. Pump. 1,634,867; July 5.
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Snap switch. 1,634,822; July 5.
Bowe, Denis E., Waseca, Minn. Clamp. 1,634,532; July 5.
Bowen, George W., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. 1,634,447; July 5.
Bower, Roland. (See Sapp, James E., assignor.)
Bowers, Hiester A., Reading, Pa. Calculating machine. 1,634,485; July 5.
Boyce, Harrison H., Jericho, N. Y. Motor heat indicator. Des. 72,981; July 5.
Boyce, Harrison H., Jericho, N. Y. Motor heat indicator. Des. 72,982; July 5.
Boyce, Harrison H., Jericho, N. Y. Motor heat indicator. Des. 72,983; July 5.
Boyce, Harrison H., Jericho, N. Y. Motor heat indicator. Des. 72,984; July 5.
Boyden, Davis S., et al. (See Adair, Thomas D., jr., assignor.)
Boynton, Arthur J., Wilmette, assignor, by mesne assignments, to Victor Chemical Works, Chicago, Ill. Combustion system. 1,634,570; July 5.
Bracher, André. (See Matthews, P., and Bracher.)
Brand, Hermann, Berlin, Germany. Water heater. 1,634,704; July 5.
Bray, Albert, Los Angeles, Calif. Reversible ice-cream can and the like. 1,634,569; July 5.
Bredig, George, and Egon Elöd, Karlsruhe, Badenia, Germany. Production of hydrocyanic acid. 1,634,735; July 5.
Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Isothermal combustion control for oil-burning heaters. 1,634,448; July 5.
Breese, James L., jr., assignor to Oil Devices Corporation, Chicago, Ill. Combustion. 1,634,533; July 5.
Brewer, Alden R., Spokane, Wash. Machine tool. 1,634,534; July 5.
Bridges, Hazel M., assignor to Silex Company, Malden, Mass. Drainer. 1,634,705; July 5.
Bridgewater Machine Company, The. (See Mason, Freeman D., assignor.)
Bried, Julien A., Oakland, Calif. Child's foot-power automobile. 1,634,486; July 5.
Bried, Julien A., Oakland, Calif., assignor to H. C. White Company, North Bennington, Vt. Velocipede brake. 1,635,109; July 5.
Briggs, Guy O., Cleveland, Ohio. Sash fastener. 1,634,350; July 5.
Briggs Manufacturing Company. (See Marshall, William, assignor.)
Briggs Manufacturing Company. (See Williams, Clifford J., assignor.)
Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
Bristow, John J. R., Tampa Shores, assignor to J. W. Beach, Tampa, Fla. Paint. 1,635,110; July 5.
Brixey, Austin D., New York, N. Y., assignor to The Repiltura Corporation. Framing device. 1,634,769; July 5.

Brockway, Carl P., Toledo, Ohio, assignor to The Arcturus Radio Co., Harrison, N. J. Variable condenser. 1,634,930; July 5.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for separating lasts and shoes. 1,634,487; July 5.
Brown, David, & Sons (Huddersfield) Limited. (See Welsby, Silas, assignor.)
Brown, Harold W., Schenectady, N. Y., assignor to General Electric Company. Controlling device and system employing the same. 1,634,973; July 5.
Browning, Lowell C., Long Beach, Calif. Traffic signal. 1,634,395; July 5.
Brunswick-Balke-Collender, Company, The. (See Nystrom, Martin, assignor.)
Brush, Alanson P., Detroit, Mich. Manifold for multi-cylinder internal-combustion engines. 1,634,823; July 5.
Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company, Inc. Steam generator. 1,634,351; July 5.
Bryan Harvester Company. (See Bryan, George A., assignor.)
Bucci, Mauro, Philadelphia, Pa. Facial composition. 1,634,974; July 5.
Buchli, Jacob, Winterthur, Switzerland. Valve gear for power engines. 1,634,736; July 5.
Budd Wheel Company. (See Ludwick, Herbert V., assignor.)
Buffalo Co-Operative Stove Co. (See Kener, Edward, jr., assignor.)
Buggie, Horace H., assignor to The Dura Company, Toledo, Ohio. Sliding window for vehicle bodies. 1,634,449; July 5.
Bull, Clinton H. M., assignor to Reed Roller Bit Company, Houston, Tex. Roller-cutter mounting. 1,634,318; July 5.
Bulle, Adolf G., Habana, Cuba. Sprayer. 1,635,069; July 5.
Burgess, C. F., Laboratories, Inc. (See Weiss, Howard F., assignor.)
Burke, George W., jr., Dayton, Ohio. Fire extinguisher. 1,634,975; July 5.
Burke, George W., jr., Dayton, Ohio. Fire-extinguishing apparatus for aircraft. 1,634,977; July 5.
Burke, George W., jr., Dayton, Ohio, assignor, by mesne assignments, to Battle-Fyre Company. Fire extinguisher. 1,634,976; July 5.
Burns, Francis B., North River, N. Y. Gravity separator for garnet ores. 1,635,111; July 5.
Burr, Harry B., and M. A. Grieve, Los Angeles, Calif. Electric door lock. 1,635,028; July 5.
Burrough, Willard L., et al. (See Tibbetts, Robert M., assignor.)
Bushnell, Alvah, Philadelphia, Pa. File. 1,634,450; July 5.
Butler, Henry E., Scotia, N. Y., assignor to General Electric Company. Film cut-out. 1,635,029; July 5.
Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Lead-keg-closing device. 1,634,488; July 5.
Butts, Newton M., sr., Xenia, Ohio. Traffic signal for motor vehicles. 1,634,978; July 5.
California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
Calis, Gust N. (See Neckles, George E., assignor.)
Callaghan, Thomas F., Bellefonte, Pa., assignor to E. C. Uihlein, Milwaukee, Wis. Method and apparatus for heat treating metal articles. 1,634,319; July 5.
Cameron, James A., Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Foldable easel mount. 1,635,030; July 5.
Cameron, Wm., & Company. (See Johnston, W. D., and Sullivan, assignors.)
Campbell, John G., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Dynamo. 1,634,770; July 5.
Campbell Soup Company. (See McGowan, James, jr., assignor.)
Campbell, Willis C., Yonkers, N. Y. Game projectile. 1,634,451; July 5.
Carbondale Machine Company. (See Hiller, N. H., and McCabe, assignors.)
Card, Roy A., Washington, D. C. Faucet or valve. 1,634,771; July 5.
Cardinet, Albert D., Los Angeles, Calif. Insect trap. 1,634,648; July 5.
Carlberg, Carl S., Mound, Minn., assignor to Pressteel Radiator Company. Radiator. 1,634,252; July 5.
Carlson, Wilbur J., Rochester, and J. J. Lanahan, Buffalo, N. Y. Household still. 1,635,112; July 5.
Carroll, Edgar E., and F. B. Culbertson, Portland, Oreg. Heating furnace. 1,634,706; July 5.
Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Extractor control. 1,634,452; July 5.
Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Overdriven extractor. 1,634,707; July 5.
Carroll, John E., Saginaw, Mich. Mechanical movement. 1,634,453; July 5.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Control apparatus. 1,634,979; July 5.
Cartlidge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Clutch mechanism. 1,634,489; July 5.
Caskey-Dupree Manufacturing Company. (See Nelson, John H., assignor.)
Celanese Corporation of America. (See Dreyfus, Camille, assignor.)
Cervi, Armando, assignor to The Radium Emanation Corporation, New York, N. Y. Process of and apparatus for dissolving radium emanation in fluids. 1,635,113; July 5.
Chain Saw Corporation. (See Bens, Samuel J., assignor.)
Champlain Silk Mills. (See White, Henry, assignor.)
Chambers, Charles I., Seattle, Wash. Pump. 1,635,148; July 5.
Champion, John W., Corsicana, Tex. Go-around tongs for drilling machines. 1,635,031; July 5.
Chayes Dental Instrument Corporation. (See Chayes, Herman E. S., assignor.)
Chayes, Herman E. S., assignor, by mesne assignments, to Chayes Dental Instrument Corporation, New York, N. Y. Grinder. 1,634,708; July 5.
Chesnut, William C., assignor to Hartmann Trunk Company, Racine, Wis. Cushion top for wardrobe trunks. 1,634,320; July 5.
Chicago Pneumatic Tool Company. (See Davenport, Ransom W., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chilson, Sumner B., Minneapolis, Minn. Radiator. 1,634,824; July 5.
Chrisman, Clarence C., Martinsburg, Mo. Pen or pencil clip. 1,634,772; July 5.
Christia, George and P., Detroit, Mich. Wheel. 1,634,454; July 5.
Christia, Peter. (See Christia, George and P.)
Chryst, William A., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,634,738; July 5.
Chryst, William A., and J. H. Hunt, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition apparatus. 1,634,737; July 5.
Cisco, George W., Hawthorne, N. J. Wireless-apparatus cabinet structure. 1,634,709; July 5.
Claremont Waste Manufacturing Company. (See Decoteau, William J., assignor.)
Clark, Elliott B., Weldon, N. C. Bottle construction. 1,635,070; July 5.
Clark, Nancy D., Glen Head, and A. B. Armstrong, New York, N. Y., assignors to The American National Red Cross. Braille matrix. 1,635,032; July 5.
Clawson, Monroe S., Montclair, N. J. Trousers hanger. 1,635,033; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio distributing system. 1,635,151; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast selecting and distributing system. 1,635,152; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Subdivided service system of radio broadcast distribution. 1,635,153; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio service metering system. 1,635,154; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio service metering system. 1,635,155; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast distributing system. 1,635,156; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast distributing system. 1,635,157; July 5.
Clement, Edward E., assignor to E. F. Colladay, Washington, D. C. Radio broadcast distributing system. 1,635,158; July 5.
Clément, Louis, and C. Rivière, Pantin, France, assignors of one-half to Courtaulds Limited, London, England. Manufacture and production of threads, filaments, strips, or films from cellulose esters. 1,634,980; July 5.
Cleveland Trust Company, The. (See McCaughey, William J., assignor.)
Cobb, Charles H., San Francisco, Calif. Radiator hanger. 1,634,981; July 5.
Cochrane Corporation. (See Gibson, George H., assignor.)
Cocking, Richard, Waltham, Mass. Textile fabric. Des. 72,985; July 5.
Cocking, Richard, Waltham, Mass. Textile fabric. Des. 72,986; July 5.
Cocking, Richard, Waltham, Mass. Textile fabric. Des. 72,987; July 5.
Cogswell, Lloyd B., West Springfield, Mass. Radio apparatus. 1,634,896; July 5.
Colclough, William, Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Brake-actuating mechanism for centrifugal machines. 1,634,651; July 5.
Cole, Harry C., Philadelphia, Pa. Air-drying system. 1,634,931; July 5.
Cole, Lyndon C., Hamilton, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Counterbalance for lathes. 1,634,896; July 5.
Colladay, Edward F. (See Clement, Edward E., assignor.)

Collis, Lloyd, New York, N. Y. Railway train. 1,634,490; July 5.
Colson Company, The. (See Roe, Mayo E., assignor.)
Colvin, Chase, South Charleston, Ohio. Fencepost. 1,634,739; July 5.
Comeau, Larry L., Bradford, Mass. Shoe and method of manufacture. 1,634,397; July 5.
Commonwealth Steel Company. (See Sheehan, William M., assignor.)
Comstock, Charlie A., Fullerton, Calif. Vine holder. 1,635,071; July 5.
Conlon, Thomas A. (See Joyce, Bryan P., assignor.)
Connecticut Electric Manufacturing Company. (See Both, Tonjes A., assignor.)
Constam, Ernst, Zurich, Switzerland, assignor to Aktiebolaget Vaporackumulator, Stockholm, Sweden. Steam plant. 1,634,609; July 5.
Continentale Aktiengesellschaft für Chemie. (See Gerngross, Otto, assignor.)
Cook, Albert E., Evanston, assignor to C. B. Cook, Chicago, Ill. Auto marine vehicle. 1,634,932; July 5.
Cook, Charles B. (See Cook, Albert E., assignor.)
Cook, Frank J., Cleveland, assignor of seventy-five per cent to A. J. Kleuver, Lakewood, Ohio. Heating and drying device. 1,634,649; July 5.
Coon, Alvin R., Chester, Mont. Unitary frame for farm implements. 1,634,650; July 5.
Corbett, Matt Q., Carnegie, Pa. Hangar floor valve. 1,634,982; July 5.
Coryell, Lewis E., Portland, Oreg. Level. 1,635,034; July 5.
Costanzo, Nicola, New York, N. Y. Vehicle tire. 1,634,253; July 5.
Cotterill, Walter, Philadelphia, Pa., Clutch-control device. 1,634,983; July 5.
Cottrell, Norman M., Chicago, Ill. Fountain brush. 1,635,114; July 5.
Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,634,398; July 5.
Courtaulds Limited. (See Clément, L., and Rivière, assignors.)
Cousiin, Joseph, East Vandergrift, Pa. Clasp. 1,634,321; Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Pulley. 1,634,773; July 5.
Cox, Abram, Stove Company. (See Mott, Abram C., jr., assignor.)
Cox, Irwin W., Denver, Colo. Dry-steam sleeve board. 1,634,471; July 5.
Cragg, George L., Chicago, Ill., assigno rto H. A. Douglas, Bronson, Mich. Electric switch. 1,634,455; July 5.
Crane & Breed Manufacturing Company, The. (See Davoran, Michael F., assignor.)
Cricchio, Paul, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Table ornament or analogous article. Des. 72,988; July 5.
Cricchio, Paul, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Tary or analogous article. Des. 72,989; July 5.
Crooks, Charles L., and F. M. Vandervoort, assignors to The Positive Lock Company, Pueblo, Colo. Latch or keeper means. 1,634,635; July 5.
Crowe, Thomas B. (See Mills, L. D., and Crowe.)
Crowell, Charles H., Brooklyn, N. Y. Filled gummed cloth and making the same. 1,634,710; July 5.
Cruikshank, J. W., Engineering Company. (See Cruikshank, James W., assignor.)
Cruikshank, James W., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa. Apparatus for grading sand and grinding glass. 1,634,254; July 5.
Crystal, David, Inc. (See Lemoine, René, assignor.)
Crystal, David, Inc. (See Rochas, Marcel, assignor.)
Culbertson, Francis B. (See Carroll, E. E., and Culbertson.)
Cundy, Oscar R., Dormont, Pa., assignor to Sullivan Machinery Company. Compressor unloader mechanism. 1,634,491; July 5.
Curtis Companies, Inc. (See Madsen, Sern, assignor.)
Curtis Gas Engine Corporation. (See Newton, Earle R., assignor.)
Cutler-Hammer Mfg. Co., (See Oberschmidt, Frederick H., assignor.)
Cutler, Isabella M. (See Cutler, William C., assignor.)
Cutler, William C., assignor to I. M. Cutler, Glendale, Calif. Coin carrier for multiple-vending machines. 1,634,535; July 5.
Czichos, Paul A., Washington, D. C. Golf accessory. 1,634,652; July 5.
Dake, Charles W., Chicago, Ill. Electric-light housing. 1,634,399; July 5.
Dale, Albert C., Columbus, Ohio. Apparatus for making tile. 1,634,740; July 5.
Dale, Charles E., Barnsdall, Okla. Wrench. 1,634,610; July 5.
Dallugge, Rudolph A., Los Angeles, Calif. Apparatus for television. 1,634,571; July 5.
Dalton, Harry M., assignor to The Hall's Safe Company, Cincinnati, Ohio. Locking mechanism for safes. 1,634,933; July 5.
Davis, David C., Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. 1,634,897; July 5.
Davis, Joseph L., Abingdon, Ill. Temperature regulator for incubators. 1,634,401; July 5.
Davis, Mansell A., Los Angeles, Calif. Folding table. 1,634,572; July 5.
Davenport, Ransom W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Refrigerating apparatus. 1,634,400; July 5.
Davoran, Michael F., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket handle. Des. 72,990; July 5.
Dean Hill Pump Company. (See Schleyer, Victor, assignor.)
Decoteau, William J., Claremont, N. H., assignor to Claremont Waste Manufacturing Company. Flock-cutting machine. 1,634,741; July 5.
Delbel, Frank J. (See Emanuele, Charles, assignor.)
Delamater, George R., Harrisburg, Pa. Mineral separator. 1,634,898; July 5.
Delco-Remy Corporation. (See Campbell, John G., assignor.)
Delco-Remy Corporation. (See Chryst, William A., assignor.)
Delco-Remy Corporatiou. (See Chryst, W. A., and Hunt, assignors.)
Delco-Remy Corporation. (See Kroeger, Frederick C., assignor.)
De Lemme, Philip, New York, N. Y. Toy dog. Des. 72,991; July 5.
De Luna, Arturo, Buffalo, N. Y. Sanitary toilet-seat cover. 1,635,072; July 5, 1927.
Demmerle, Walter F. (See Wickenden, L., and Demmerle.)
Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Bead-placing ring. 1,635,073; July 5.
Dentists' Supply Company, The. (See Sanders, Joseph A., assignor.)
De Paoli, Bruno O. A., Palisade, N. J. Terrazzo flooring. 1,634,653; July 5.
Derk, Joseph, assignor to The Derk Manufacturing Company, Philadelphia, Pa. Pillow top. Des. 72,992; July 5.
Derk, Joseph, assignor to The Derk Manufacturing Company, Philadelphia, Pa. Table scarf. Des. 72,993; July 5.
Derk Manufacturing Company, The. (See Derk, Joseph, assignor.)
Deschamps, Louis, Le Havre, France. Sporting shoe. 1,634,611; July 5.
Deuschle, Carl, Cincinnati, Ohio. Display rack. 1,634,456; July 5.
Deutsch, Leo, and F. A. Pfeifer, Springfield, Ohio; said Pfeifer assignor to said Deutsch. Apparatus for cleaning containers and the like. 1,635,116; July 5.
Dickhaut, Charles A., Saugerties, N. Y. Sheet straightener. 1,634,984; July 5.
Dickinson, Raymond A., Appleton, N. Y. Machine for wrapping fruit and other articles. 1,635,035; July 5.
Diehl, Adam, Springfield, Ohio. Overjacket for molds. 1,635,074; July 5.
Dienner, John A. (See Ringwald, Clarence, assignor.)
Diescher, Samuel E., Pittsburgh, Pa. Swaging mill roll. 1,634,352; July 5.
Dietrich, Claus, St. Paul, Minn. Lock. 1,634,825; July 5.
Dillon Bank Protection Service. (See Dillon, William C., assignor.)
Dillon, William C., Fort Dodge, Iowa, assignor to Dillon Bank Protection Service. Combined electrical and mechanical safety lock for vault doors. 1,635,075; July 5.
Dimelow, Thomas E., Philadelphia, assignor to J. W. McKinnon, York, Pa. Dental facing. 1,634,612; July 5.
Disbrow, Clarkson A., New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Composite wear plate for rail joints. 1,634,742; July 5.
Distance-Speed Recording Company. (See Wallbillich, Anthony F., assignor.)
Doane, John A., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Wheel head for machine tools. 1,634,402; July 5.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,634,369; July 5.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Pivoted brake shoe. 1,634,370; July 5.
Dodge, Martha F., Winfield, Kans. Garment. 1,635,036. July 5.
Dolan, Joseph V. (See Stubblebine, R. F., and Dolan.)
Donaldson, John S., New York, N. Y. Inclinometer. 1,634,934; July 5.
Donath, Harry, Philadelphia, Pa. Window. 1,634,985; July 5.
Donnelly, Walter W., Fort Worth, Tex. Lift for sucker rods, pipes, and the like. 1,634,935; July 5.
Dornes, George, jr., Long Island City, N. Y. Drilling tool. 1,634,822; July 5.
Dorr Company, The. (See McHugh, Philip M., assignor.)
Doyle, James S. (See Hedley, F., and Doyle.)
Doughty, William E., assignor to James Vernor Company, Detroit, Mich. Carbonated-beverage-dispensing apparatus. 1,634,457; July 5.
Douglas, Harry A. (See Cragg, George L., assignor.)
Douglas, Harry A. (See Schmid, William, assignor.)
Douglas, Harry A., Bronson, Mich. Cowl lamp. 1,634,403; July 5.

Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,634,404; July 5.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,634,405; July 5.
Douglas, Harry A., Bronson, Mich. Terminal connecter. 1,634,406; July 5.
Douglas, Harry A., Bronson, Mich. Contact carrier. 1,634,407; July 5.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,634,408; July 5.
Drake, John L., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Draw-table rail. 1,634,827; July 5.
Drath, Wilfred H., Butler, Pa. Method and apparatus for handling cement and bulk material. 1,634,255; July 5.
Dreher, Albert J., Cincinnati, and D. H. Benjamin, Cleveland Heights, assignors to The American Laundry Machinery Company, Norwood, Ohio. Shirt-ironing machine. 1,634,654; July 5.
Dreyfus, Camille, Basel, Switzerland, assignor to Celanese Corporation of America. Manufacture of textiles. 1,634,613; July 5.
Du Breuil, Winfield R., Elmhurst, Ill. Headlight. 1,635,116; July 5.
Dunlap, Charles K., assignor to Sonoco Products Company, Hartsville, S. C. Paper tube. 1,634,492; July 5.
Dunmore, Francis W., Washington, D. C. Signal-receiving system. 1,635,117; July 5.
Dunsweller, Carl J., and M. W. Severance, assignors to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery container. 1,634,284; July 5.
Dura Company, The. (See Buggie, Horace H., assignor.)
Durnell, Harold G., assignor of one-half to S. T. Steel, Bartlesville, Okla. Pumping beam. 1,635,118; July 5.
Duro Company, The. (See Eisenhauer, Charles P., assignor.)
Dworkin, Harry. (See Fine, S., and Dworkin.)
Dwyer, John E. (See Benham, W. T., and Dwyer.)
Dyer, Matt, Whittenburg, Tex. Sign holder. 1,634,743; July 5.
Dziuba, Wojciech, and M. Golinski, Bayonne, N. J. Utensil lifter. 1,635,119; July 5.
Eastern Tool & Mfg. Company. (See Montan, A., and Falstrom, assignors.)
Eastman Kodak Company. (See Baybutt, R., and Farrow, assignors.)
Eastman Kodak Company. (See Cameron, James A., assignor.)
Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
Eastman Kodak Company. (See Jones, John G., assignor.)
Eastman Kodak Company. (See Seel, Paul C., assignor.)
Eastman Kodak Company. (See Smith, George A., assignor.)
Eddy, Albert H., Pawtucket, assignor to A. L. Newman Company, Cranston, R. I. Securing name plates and the like. 2,634,936; July 5.
Eddy, Albert H., Pawtucket, assignor to A. L. Newman Company, Cranston, R. I. Attaching means for name plates and other articles. 1,634,937; July 5.
Edelmann, Louis A., assignor to Unico-Motor Products Corporation, St. Louis, Mo. Chuck. 1,634,536; July 5.
Edwards, Isaac L., Aurora, Ill. Nut lock. 1,634,744; July 5.
Edwards, Jahn, Swansea, England. Agitating and stirring molten metal in open-hearth and like furnaces. 1,635,087; July 5.
Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser control. 1,634,256; July 5.
Eichhorn, Albert, & Son. (See Huebner, Harry G., assignor.)
Eisenhauer, Charles P., assignor to The Duro Company, Dayton, Ohio. Water softener. 1,634,409; July 5.
Elden, Leonard L., et al. (See Adair, Thomas D., jr., assignor.)
Electric Refrigeration Corporation. (See Replogle, John R., assignor.)
Electric Refrigeration Corporation. (See Spreen, Charles C., assignor.)
Electric Vacuum Cleaner Co. (See Lang, Henry T., assignor.)
Elgin National Watch Company. (See Laflin, Lloyd A., assignor.)
Elkredge, Elmer E., Oconomowoc, assignor to Pabst Corporation, Milwaukee, Wis. Processed cheese and making the same. 1,634,410; July 5.
Elliott Company. (See Ehrhart, Raymond N., assignor.)
Elmore, Guy H., Swarthmore, Pa. Centrifugal drier. 1,634,868; July 5.
Elöd, Egon. (See Bredig, G., and Elöd.)
Elstone, Stanley W., Walkerville, Ontario, Canada, assignor to Huron Manufacturing Co., Detroit, Mich. Washout plug and making same. 1,634,655; July 5.
Emanuele, Charles, Cleveland, assignor of one-half to F. J. Deibel, Cleveland Heights, Ohio. Resilient lift for boot and shoe heels. 1,634,537; July 5.
English, James R. (See Meyer, Theodore F. W., assignor.)
Enochs, Andrew C., Oklahoma City, Okla. Window seal. 1,635,076; July 5.
Ensale, Fred, Roselle, N. J. Fruit-juice extractor. 1,634,774; July 5.
Erskine-Danforth Corporation. (See Erskine, Ralph C., assignor.)
Erskine, James E., Jacksonville, Fla. Monogram. 1,635,077; July 5.
Erskine, Ralph C., Stamford, Conn., assignor to Erskine-Danforth Corporation. Bedstead. Des. 72,994; July 5.
Erskine, Ralph C., Stamford, Conn., assignor to Erskine-Danforth Corporation. Chair. Des. 72,995; July 5.
Evans, Fenton E., Redmond, Wash. Lubricating apparatus. 1,634,458; July 5.
Ever Hot Heater Company. (See Shuell, Frank W., assignor.)
Evinrude Motor Company. (See Hillborn, Herbert J., assignor.)
Fairfield Engineering Company, The. (See Walker, Henry B., assignor.)
Fairman, F. Wilson. (See Baker, William H., assignor.)
Fales, Elisha N., Dayton, Ohio. Wind tunnel for flight of models. 1,635,038; July 5.
Fales, Elisha N., Lake Forest, Ill. Cooling heated surfaces. 1,635,039; July 5.
Fales, Elisha N., Lake Forest, Ill. Flow meter. 1,635,040; July 5.
Falla, Hedley, Milford, N. H. Can opener. 1,634,493; July 5.
Falstrom, Henry W. (See Montan, A., and Falstrom.)
Farrow, Edward S., jr. (See Baybutt, R., and Farrow.)
Farrow, Edward S., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Treating cellulose acetate. 1,634,986; July 5.
Farwell, Fay O., Toledo, Ohio. Road-light lamp. 1,634,657; July 5.
Fatoux, Raymond A., Neuilly-sur-Seine, France. Coach body of automobiles. 1,634,656; July 5.
Fedder, Louis J., assignor to King Ventilating Company, Owatonna, Minn. Insulated window. 1,634,987; July 5.
Fefel, John E., Bridgeport, Conn., assignor of one-half to F. J. Hoey, New York, N. Y. Woven fabric. 1,634,411; July 5.
Fefel, John E., Bridgeport, Conn., assignor of one-half to F. J. Hoey, New York, N. Y. Woven fabric. 1,634,412; July 5.
Fefel, John E., Bridgeport, Conn., assignor of one-half to F. J. Hoey, New York, N. Y. Fabric weaving machine. 1,634,413; July 5.
Fegely, Nathan M., Iola, Kans., assignor, by mesne assignments, to Bates Valve Bag Company, Chicago, Ill. Bag-filling machine. 1,634,538; July 5.
Ferguson, Milford B., assignor of one-half to E. Haas, Brooklyn, N. Y. Wrapping machine. 1,634,711; July 5.
Fernald, Charles F., assignor of one-half to J. W. Swartzlander, Los Angeles, Calif. Sand reel. 1,634,988; July 5.
Findell, Elmer A. (See Johnson, A. J., Bolleau, and Findell.)
Fine, Solomon, and H. Dworkin, Montreal, Quebec, Canada. Adjustable necktie. 1,634,414; July 5.
Firestone Tire and Rubber Company, The. (See Stevens, Horace D., assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Firma Kraft & Steudel Fabrik Photographischer Papiere G. m. b. H. (See Kraft, Heinrich A. E., assignor.)
First Wisconsin Trust Company, executor. (See Miller, Henry C.)
Fischer, H. G., & Company. (See Osborn, Howard H., assignor.)
Fisher, Walter S., assignor to The Willys-Overland Company, Toledo, Ohio. Lubrication of sleeve-valve engines. 1,634,826; July 5.
Flammer, Edward F., New York, and H. E. Silliman, Brooklyn, assignors, by mesne assignments, to Rainbow Photo-Reproductions, Inc., New York, N. Y. Photoprinting. 1,634,658; July 5.
Flammer, Edward F., New York, and H. E. Silliman, Brooklyn, assignors to Rainbow Photo Reproductions, Inc., New York, N. Y. Photoprinting. 1,634,659; July 5.
Fletcher, Arthur T., Bristol, assignor to The Fletcher-Terry Company, Forestville, Conn. Glass cutter. 1,634,828; July 5.
Fletcher-Terry Company, The. (See Fletcher, Arthur T., assignor.)
Flinchbaugh, Frederick T., York, Pa., assignor, by mesne assignments, to Flinchbaugh Machine Company, Incorporated. Cutter head. 1,634,494; July 5.
Flinchbaugh Machine Company. (See Flinchbaugh, Frederick T., assignor.)
Fogel, Louis E., Brooklyn, N. Y. Closure cap for gas tanks and radiators. 1,634,775; July 5.
Formica Insulation Company, The. (See Hargrave, Clarence M., assignor.)
Fowler, William A. (See McCrary, Sam H., assignor.)
Franchot, Douglas W., Tulsa, Okla. Single-trigger mechanism for multiple-barreled guns. 1,634,415; July 5.
Franklin Simon & Co. (See Siegel, Maude, assignor.)
Frantz, Walter A., Cleveland, Ohio. Ironing machine. 1,634,353; July 5.

Frantz, Walter A., Cleveland Ohio. Laundry apparatus. 1,634,539; July 5.
Fraser, Warren F., Westboro, Mass. Lapping machine and truing the lapping elements. 1,634,745; July 5.
Fravel, Ira F., Washington, D. C. Mooring mast. 1,634,989; July 5.
Frederick, John E., Kokomo, Ind. Wire reel. 1,634,809; July 5.
Frick, Chester A. (See Kaye, Samuel, assignor.)
Friden, Carl M. F., Piedmont, Calif. Calculating machine. 1,634,990; July 5.
Friedman, William, New York, N. Y. Combination match packet and pad. 1,634,712; July 5.
Friesner, Jesse L., Lima, Ohio. Bottle holder. 1,634,747; July 5.
Fryer, Joseph H., Toronto, Ontario, Canada. Furnace grate. 1,634,991; July 5.
Fujita, Nobuchika. (See Takamine, J., jr., and Fujita.)
Fuller, Richard B., Lawrence, N. Y., assignor to Stockade Building System, Inc. Mold for building blocks and process of molding. 1,634,900; July 5.
Funk, George C., Brookline, Mass. Ice-skating rink. 1,634,938; July 5.
Furman, Charles S., assignor to Furman Inventions Corporation, Lansing, Mich. Unionall. 1,635,120; July 5.
Furman Inventions Corporation. (See Furman, Charles S., assignor.)
Gaines, Mildred A., Farmville, Va. Educational device. 1,634,713; July 5.
Galland, Alfred J., Paris, France. Bottle-filling apparatus. 1,634,416; July 5.
Gallman, Charles E., and F. Haire, Tulsa, Okla., assignors to Oil Well Supply Company, Pittsburgh, Pa. Spudding shoe. 1,634,939; July 5.
Gannet, William J., Cleveland, Ohio. Internal-combustion engine. 1,634,901; July 5.
Gard, Earle W. (See Rial, W. D., and Gard.)
Gardner, Grandison, Dayton, Ohio. Recording accelerometer. 1,634,992; July 5.
Garey, John P., Elmira Heights, and L. B. Hasbrouck, Elmira, N. Y. Stop-motion device for spinning frames. 1,634,614; July 5.
Garro, Carmelo, New Britain, Conn. Foot-propelled boat. 1,634,257; July 5.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Hole-cleansing device. 1,634,495; July 5.
Gartling, George, Los Angeles, Calif. Rotary well-drilling bit. 1,634,869; July 5.
Garver, Robert H., Drummond, Idaho. Expansion pulley. 1,634,285; July 5.
Gase, Eugene, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Dial scale and similar apparatus. 1,634,324; July 5.
General Chemical Company. (See Lewers, George R., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Brown, Harold W., assignor.)
General Electric Company. (See Butler, Henry E., assignor.)
General Electric Company. (See Carter, Emmett F., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Lennox, Thomas C., assignor.)
General Electric Company. (See McGee, Richard R., assignor.)
General Electric Company. (See Pacz, Aladar, assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Wagner, Edward A., assignor.)
General Electric Company. (See Wright, J. G. E., and Bartlett, assignors.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Tire and Rubber Company, The. (See Denmire, Harold A., assignor.)
Gerlach, Oscar, La Salle, Ill. Manufacture of plaster material. 1,634,459; July 5.
Gerngross, Otto, Grunewald, near Berlin, assignor to the Firm Continentale Aktiengesellschaft für Chemie, Berlin, Germany. Production of ammonium chloride and alkali-metal sulphate. 1,634,870; July 5.
Gersmehl, Vern R., Cheyenne, Wyo. Lamp. Des. 72,996; July 5.
Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Deaerating water. 1,634,776; July 5.
Gilbert, Lewis W., Seneca Falls, N. Y. Automatic switch. 1,635,078; July 5.
Gilpin, Victor L., and C. R. Wells, Baltimore, Md.; said Wells assignor to said Gilpin. Automobile lock. 1,635,079; July 5.
Gilpin, Victor L., and C. R. Wells, Baltimore, Md.; said Wells assignor to said Gilpin. Automobile lock. 1,635,080; July 5.
Gimpel, Julius H., Decatur, Ill. Brake-beam safety hanger. 1,634,902; July 5.
Girdler, Samuel B., Montclair, N. J. Receptacle. 1,634,777; July 5.
Godard, Luis. (See Larry, Teodoro, assignor.)
Golden Lighting Fixture Co. (See Lipsky, Norman, assignor.)
Golinski, Mieczyslaw. (See Dziuba, W., and Golinski.)
Goodman, Aaron, New York, N. Y. Antiholdup device. 1,635,121; July 5.
Goodrich, B. F., Company, The. (See Mell, Tod J., assignor.)
Goodrich, Chauncey M., Windsor, Ontario, Canada. Turntable center. 1,634,417; July 5.
Goodrich, Robert J. (See Ulich, L. H., and Goodrich.)
Gordon, David D., Chicago, Ill., assignor to McGill Manufacturing Company, Valparaiso, Ind. Lamp-socket switch. 1,634,418; July 5.
Gordon, Manuel, Chicago, Ill. Electric lamp. Des. 72,997; July 5.
Gordon, William R., Toledo, Ohio. Motor vehicle. 1,634,828; July 5.
Gorham Mfg. Co. (See Magnussen, Erik, assignor.)
Gorham, Sidney S., trustee. (See Baur, Hugo J., assignor.)
Gorsuch, George J., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing apparatus. 1,634,496; July 5.
Grasselli Chemical Company, The. (See Wood, Charles D., assignor.)
Gray, Ralph B., Chicago, Ill. Windshield wiper. 1,634,460; July 5.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,634,497; July 5.
Greenig, Merlin D., La Harpe, Ill. Self-adjusting connecting-rod bearing. 1,634,993; July 5.
Gregg Company, The. (See Gregg, Louis D., assignor.)
Gregg, Louis D., Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y. Vehicle for the transportation of sugar cane and the like. 1,634,778; July 5.
Gregg, Louis D., Hackensack, N. J., assignor to The Gregg Company, Limited, New York, N. Y. Cane car and the like. 1,634,779; July 5.
Greve, Edgar E., Bellevue, Pa. Flexible shaft coupling. 1,634,940; July 5.
Grey Iron Casting Company. (See Coventry, William A., assignor.)
Griesinger, John, Los Angeles, Calif. Identification device. 1,634,419; July 5.
Grieve, Medford A. (See Burr, H. B., and Grieve.)
Grikscheit, William, Detroit, Mich. Carburetor. 1,634,461; July 5.
Grimme, Natalis & Co. Aktiengesellschaft. See Hoffmeister, Hermann, assignor.)
Grizzard, George D., North Emporia, Va. Peanut digger. 1,634,660; July 5.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical translating device. 1,634,420; July 5.
Gronefeld, Johannes, assignor to R. Sachs Gesellschaft mit beschränkter Haftung, Berlin, Germany. Contrivance for rolling zinc and other sheet-metal hollow ware. 1,634,661; July 5.
Gross, Paul M., and R. B. Arnold, Durham, N. C., assignors, by mesne assignments, to Tobacco By Products and Chemical Corporation. Fumigating apparatus. 1,634,354; July 5.
Gruber, Morris M., East Orange, N. J., assignor, by mesne assignments, to Sonora Phonograph Company, Inc. Sound-reproducing apparatus. 1,634,662; July 5.
Gulberson Corporation, The. (See Wilson, Robert A., assignor.)
Haas, Edward. (See Ferguson, Milford B., assignor.)
Haeseler, Charles H., Philadelphia, Pa. Air-cooled pneumatic hammer. 1,634,780; July 5.
Haines, Frank E., executor. (See Bates, Solomon W.)
Haire, Frank. (See Gallman, C. E., and Haire.)
Hall, Everett A., and G. R. Sanders, Joplin, Mo., assignors to Southwestern Engineering Corporation, Los Angeles, Calif. Flotation separating process. 1,634,615; July 5.
Hall, J Everett, assignor to American Sterilizer Company, Erie, Pa. Valve. 1,634,781; July 5.
Hall, Theodore, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Searchlight. 1,634,663; July 5.
Hallauer, Frank J., Madison, Wis. Composition board and making the same. 1,634,462; July 5.
Hallwell-Shelton Electric Corporation. (See Shelton, William G., assignor.)
Hall's Safe Company, The. (See Benham, W. T., and Dwyer, assignors.)
Hall's Safe Company, The. (See Dalton, Harry M., assignor.)
Halperin, Phillip, Los Angeles, Calif. Garment. 1,634,829; July 5.
Halpin, James F., Derby, assignor to Seymour Mfg. Co., Seymour, Conn. Apparatus for rolling metal. 1,634,258; July 5.
Hancock Manufacturing Co. (See Shinkes, Victor R., assignor.)

Hanshew, George O. (See Jupp, W. B., and Hanshew.)
Hanson & Van Winkle Company, The. (See Powell, Everton B., assignor.)
Harding, Dana E., Arlington, Mass., assignor to Harding Engineering Company, East Boston, Mass. Chain-drive glazing machine. 1,635,081; July 5.
Harding Engineering Company. (See Harding, Dana E., assignor.)
Hargrave, Clarence M., assignor to The Formica Insulation Company, Cincinnati, Ohio. Manufacturing laminated products. 1,634,830; July 5.
Harper, Alexander and S. A., Dunedin, Otago, New Zealand. Propeller. 1,634,616; July 5.
Harper, John, Portland, Oreg. Control for electric flatirons. 1,635,041; July 5.
Harper, Stewart A. (See Harper, Alexander and S. A.)
Harris, Ford W., assignor to Magnetic Signal Co., Los Angeles, Calif. Rail spreader. 1,634,664; July 5.
Harris, George E., Swissvale, Pa. Reversible towel rack. 1,634,746; July 5.
Harrison, Harry C., Taplow, assignor to St. Helens Cable and Rubber Company Limited, Slough, Bucks, England. Rubber footwear. 1,634,540; July 5.
Hart, Frank, Los Angeles, Calif. Producing and affixing signs to materials. 1,634,617; July 5.
Hartmann Trunk Company. (See Chesnut, William C., assignor.)
Hartmann Trunk Company. (See Ritter, Julius, jr., assignor.)
Hasbrouck, Louis B. (See Garey, J. P., and Hasbrouck.)
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Vending rack or stand. 1,634,573; July 5.
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition magneto. 1,634,574; July 5.
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition magneto. 1,634,575; July 5.
Heald, John, Springfield, Mass. Concert horn. 1,634,355; July 5.
Hebden, Frank, assignor to Merrick Scale Mfg. Company, Passaic, N. J. Automatic weigher. Re16,666; July 5.
Hebrew, Joseph S., Masury, Ohio, and E. E. Ross, Sharon, Pa., assignors to Westinghouse Electric and Manufacturing Company. Reactor. 1,635,042; July 5.
Hecox, Roy C., Denver, Colo. Automobile hotel and garage. 1,634,498; July 5.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Control mechanism for motor-actuated doors. 1,634,665; July 5.
Hedrick, Arnold, Latham, Kans. Sod-line marker. 1,634,421; July 5.
Heideman, Fred J., Detroit, Mich. Refrigerating apparatus. 1,634,831; July 5.
Heimbach, William H. (See Switzer, Henry W., assignor.)
Hemenway, Walter G., Los Angeles, Calif. Carbureting apparatus. 1,634,782; July 5.
Hendrickson, John W. (See Rich, David, assignor.)
Henningsen, Noble, Salem, Oreg. Gasoline-dispensing stand. 1,634,541; July 5.
Henriques, Chapman D., Larchmont, N. Y. Dispensing-container-sealing device. 1,635,122; July 5.
Hepler, Andrew L., Mathews, Va. Septic tank. 1,634,871; July 5.
Herman, Frederick J., Sacramento, Calif. Faucet. 1,635,128; July 5.
Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Telegraph circuits. 1,634,286; July 5.
Hermann, Wolfgang, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric lamp. 1,634,832; July 5.
Hermesmeyer, Anthony J., assignor to H. M. Sheer Company, Quincy, Ill. Tandem wafer regulator. 1,635,083; July 5.
Herthel, Eugene C., and H. L. Pelzer, assignors to Sinclair Refining Company, Chicago, Ill. Cracking of hydrocarbons. 1,634,666; July 5.
Hesterly, William P., Lufkin, Tex. Combined rail anchor and tie plate. 1,634,994; July 5.
Hevea Corporation, The. (See Loomis, C. C., and Stump, assignors.)
Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Reproducing position. Re16,667; July 5.
Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Signaling system. 1,634,941; July 5.
Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
Hill, Reuben, West Hartford, Conn., assignor of one-half to M. A. Possons, Cleveland, Ohio. Signaling system. 1,634,287; July 5.
Hillborn, Herbert J., assignor to Evinrude Motor Company, Milwaukee, Wis. Outboard-motor drive. 1,634,942; July 5.
Hiller, Nicolai H., and R. B. McCabe, assignors to Carbondale Machine Company, Carbondale, Pa. Heat interchanger. 1,634,714; July 5.
Hills, Henry A., Grand Rapids, Mich. Liquid trap and strainer. 1,634,468; July 5.
Hills-McCanna Co. (See Noyes, Albert H., assignor.)
Himmelright, Raleigh J., Englewood, N. J., assignor to American Arch Company. Making arch bricks. 1,634,356; July 5.
Himmelright, Raleigh J., Englewood, N. J., assignor to American Arch Company. Refractory block. 1,634,357; July 5.
Hjorth, Oscar B., assignor of one-half to W. H. Skillen, Janesville, Wis. Fountain pen. 1,634,618; July 5.
Hoban, Fairfield N., assignor to Holdaphone, Incorporated, New York, N. Y. Telephone attachment. 1,634,325; July 5.
Hobbisiefken, Gerd, Burlington, Iowa. Device for use in applying locks to doors, etc. 1,634,667; July 5.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Oven-door mounting. 1,634,358; July 5.
Hocker, Carl D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating composition. 1,634,359; July 5.
Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Surface condenser. 1,634,903; July 5.
Hoefel, Frederick, Pottsville, Pa. Skylight. 1,634,288; July 5.
Hoegg, Augustus F., Weatherly, Pa. Lateral-motion bearing for journal boxes. 1,635,124; July 5.
Hoey, Frank J. (See Fefel, John E., assignor.)
Hoffmeister, Hermann, Gliesmarode, near Brunswick, assignor to Grimme, Natalis & Co. Aktiengesellschaft, Braunschweig, Germany. Calculating machine. 1,635,125; July 5.
Hofmann, Friedrich, Mulheim-Ruhr, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Valve. 1,634,360; July 5.
Hogan, George F., Chicago, Ill. Ankle protector. 1,634,576; July 5.
Hojnowski, Jakob, Nekoosa, Wis. Automobile snowplow. 1,635,043; July 5.
Holdaphone, Incorporated. (See Hoban, Fairfield W., assignor.)
Holden, Harry C., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Puff iron. 1,634,668; July 5.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Shaft coupling. 1,634,499; July 5.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Compressor-controlling mechanism. 1,634,542; July 5.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,634,577; July 5.
Hollenback, Joseph F., Canyon Creek, Mont. Cattle guard for railways. 1,634,872; July 5.
Holmes, Allen T., assignor of one-half to J. D. Holmes, Richmond, Va. Rod clamp. 1,634,422; July 5.
Holmes, Julie D. (See Holmes, Allan T., assignor.)
Holzwarth Gas Turbine Co. (See Hofmann, Friedrich, assignor.)
Homan, Thomas F., Cincinnati, Ohio. Scalp-patting device. 1,634,873; July 5.
Homer Furnace Company. (See Hyatt, Charles D., assignor.)
Honl, Ernest J., Sleepy Eye, Minn. Operating track drills. 1,634,943; July 5.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Method of and machine for lining the flanges of can ends. 1,634,500; July 5.
Howard, Frank A., Westfield, N. J., assignor to Standard Development Company. Operating water-gas generators. 1,634,833; July 5.
Howle, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,634,874; July 5.
Huebner, Harry G., assignor to Albert Eichhorn & Son, Philadelphia, Pa. Easel. 1,634,715; July 5.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. 1,634,944; July 5.
Hull, Joseph, assignor of one-half to William Spiers, Limited, Leicester, England. Knitting-machine needle. 1,634,423; July 5.
Hultgren, Axel G. E., and J. H. E. Thorén, assignors to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Self-locking nut. 1,635,082; July 5.
Hummell, John E., Cleveland, Ohio. Electrical-fixture hanger. 1,634,578; July 5.
Hungerford, Churchill, Wenona, N. J. Water filter. 1,634,783; July 5.
Hunt, John H. (See Chryst, W. A., and Hunt.)
Hunter, William K., assignor of one-half to M. F. Nichols, Knoxville, Tenn. Producing improved lime hydrate. 1,634,424; July 5.
Huntoon, Charles F., Chicago, Ill. Brake beam. 1,634,995; July 5.
Huntoon, Cullen L., Los Angeles, Calif. Band press for shoe-sole presses. 1,634,996; July 5.
Huron Manufacturing Co. (See Elstone, Stanley W., assignor.)
Hussar, William B., St. Louis, Mo. Vehicle traffic signal. 1,634,861; July 5.
Hutchinson, Robert, Nottingham, assignor to Woodlands, Limited, Dover, England. Heat treatment of wheaten cereals. 1,634,259; July 5.

Hutton, Albert D., Minneapolis, Minn. Liquid-dispensing device. 1,634,579; July 5.
Hyatt, Charles D., assignor to Homer Furnace Company, Coldwater, Mich. Furnace casing. 1,634,543; July 5.
Hyman, Elias, New York, N. Y. Reversible folded stair covering. 1,635,084; July 5.
Iarussi, Dominick. (See Beni, F., and Iarussi.)
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Electric switch. 1,635,044; July 5.
Illinois Watch Case Company. (See Bowen, George W., assignor.)
Imperial Typewriter Company Limited. (See Pateman, Arthur, assignor.)
Individual Drinking Cup Company. (See Wessman, Edwin G., assignor.)
Industrial Chemical Company. (See Wickenden, L., and Demmerle, assignors.)
Industrial Chemical Company. (See Wickenden, L., and Okell, assignors.)
Industrial Spray-Drying Corporation. (See Zisinis, Paul T., assignor.)
Ingersoll-Rand Company. (See Le Valley, John, assignor.)
International Banding Machine Company. (See Maloczay, Francis X., assignor.)
International Controlled Lamp Company, The. (See Keck, George S., assignor.)
International Derrick & Equipment Company. (See Bloss, R. R., Strout, and Ansel, assignors.)
International Motor Company. (See Jupp, W. B., and Hanshew, assignors.)
International Precipitation Company. (See Schmidt, Walter A., assignor.)
Irving, William D., Charlestown, Mass. Sliding window. 1,634,425; July 5.
Irwin, John P., Rocky River, assignor to Arthur G. McKee & Company, Cleveland, Ohio. Self-propelled rail car. 1,634,362; July 5.
Ischinger, Eric, East Rochester, N. Y. Automobile mirror. 1,634,748; July 5.
Jabs, Edward, Chicago, Ill. Bottle-capping machine. 1,634,363; July 5.
Jackson, Vilas H., assignor, by mesne assignments, to The Gustav-Schaefer Wagon Company, Cleveland, Ohio. Drawbar reverse lock. 1,634,501; July 5.
Jacobsen, Jens O. B., Bellingham, Wash. Educational apparatus. 1,634,289; July 5.
Jakubiec, Kasimierz, Chicago, Ill. Shade-roller holder and curtain-rod bracket. 1,634,364; July 5.
Jansen, Bern, New York, N. Y. Wind deflector for automobiles. 1,634,290; July 5.
Jenkins, Charles F., Washington, D. C. Airplane stop. 1,634,904; July 5.
Jennings, John F., Cleveland, Ohio. Race-course construction. 1,634,326; July 5.
Jirotka, Bohumil, Berlin, assignor to the Firm Dr. Otto Sprenger Patentverwertung Jirotka mit beschränkter Haftung, Vaduz, Germany. Apparatus for delivering measured quantities of a fluent material. 1,635,126; July 5.
Johnson, Aklas J., J. Bolleau, and E. A. Findell, Missoula, Mont. Ripping head. 1,634,749; July 5.
Johnson, Carl G. E., Los Angeles, Calif. Clamp. 1,634,834; July 5.
Johnson, John A., New York, N. Y. Bottle-capping machine. 1,634,464; July 5.
Johnson, Thomas L., Charleston, W. Va. Conveyer chain for coal-loading machines. 1,635,085; July 5.
Johnson, Hans A., Chicago, Ill. Tag. 1,634,544; July 5.
Johnston, William D., and G. M. Sullivan, assignors to Wm. Cameron & Company, Incorporated, Waco, Tex. Built-in ironing table. 1,634,426; July 5.
Jones, Charles B., above Cynwyd, Pa. Fuse plug and socket. 1,634,905; July 5.
Jones, David D., Oakland, Calif. Clothes hanger. 1,634,750; July 5.
Jones, George A. E., New London, Conn. Electric forge. 1,634,365; July 5.
Jones, George H., Oregon, Ill. Sound board for pianos. 1,634,669; July 5.
Jones, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for making paper strips with thinned edges. 1,634,997; July 5.
Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Toothbrush holder. Des. 72,998; July 5.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling and lasting machine. 1,634,502; July 5.
Joy Toy Manufacturing Company, The. (See Nicks, Ira G., assignor.)
Joyce, Bryan P., Davenport, Iowa, assignor to T. A. Conlon, Silver Spring, Md. Hoist. 1,635,162; July 5.
Judd, Irving H., Detroit, assignor to Whitehead and Kales, Inc., River Rouge, Mich. Fifth-wheel construction. 1,634,945; July 5.
Jupp, William B., New York, and G. O. Hanshew, Brooklyn, assignors to International Motor Company, New York, N. Y. Body suspension for motor vehicles. 1,634,946; July 5.
Kadel, Byers W., Baltimore, Md. Draft rigging. 1,634,366; July 5.
Kalaf, John, jr., Meta, Mo. Friction clutch. 1,635,086; July 5.
Kämaier, Wilhelm, Esslingen-on-the-Neckar, Germany. Drill socket. 1,634,716; July 5.
Kauch, Robert, Dayton, Ohio. Ground-speed indicator. 1,635,045; July 5.
Kaye, Samuel, Columbus, Miss., assignor, by mesne assignments, to C. A. Frick, Muncie, Ind. Cooler for bottled goods. Des. 16,669; July 5.
Keck, George S., Pasadena, Calif., assignor to The International Controlled Lamp Company, Wilmington, Del. Dirigible headlight. 1,634,580; July 5.
Kellogg, Langdon C., Westfield, Mass. Mop. 1,634,260; July 5.
Kelly, Harry G., Omaha, Nebr. Roofing strip. 1,634,465; July 5.
Kener, Edward, jr., assignor to Buffalo Co-Operative Stove Co., Buffalo, N. Y. Incinerator. 1,634,998; July 5.
Kennedy, James S., Pelham Manor, N. Y., assignor to The Bartlett Hayward Company. Automatic sequence control for valves. 1,634,327; July 5.
Kerr, Howard J., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Air-cooled walls. 1,634,291; July 5.
Kessler, Robert, Scranton, Pa. Vending machine. 1,634,581; July 5.
Keyroid Cement Block Co. (See McPherson, D., and Schultz, assignors.)
Kienzle, Herbert, Schwenningen-on-the-Neckar, Germany. Method and apparatus for making lantern wheels for clocks and other purposes. 1,634,906; July 5.
Kimball, James L., Salem, Mass. Regulator. 1,634,875; July 5.
Kincaid, Frank J. (See Small, J. B., and Kincaid.)
Kindervater, Julius, Richmond, Va. Locomotive main rod. 1,634,784; July 5.
King, Horace W., assignor to King-Seeley Corporation, Ann Arbor, Mich. Depth-indicating device. 1,634,427; July 5.
King-Seeley Corporation. (See King, Horace W., assignor.)
King Ventilating Company. (See Fedder, Louis J., assignor.)
Kinsbach, Frank, Houston, Tex. Whipstock. 1,634,582; July 5.
Kirk, Henry C., assignor to Samuel Kirk and Son, Incorporated, Baltimore, Md. Spoon or similar article. Des. 72,999; July 5.
Kirk, Samuel and Son, Incorporated. (See Kirk, Henry C., assignor.)
Kirsner, Isaac, Bronx, N. Y. Keyboard cleaner. 1,635,127; July 5.
Kissinger, George B., assignor of one-half to William B. Salt, Aspinwall, Pa. Automobile lock. 1,634,583; July 5.
Klasnich, John, Cleveland, Ohio. Indicator. 1,635,128; July 5.
Kleckner, Arthur C., assignor to Webster Electric Company, Racine, Wis. Actuating means for magnetos. 1,634,584; July 5.
Klein, Max, Brooklyn, assignor to Shapiro & Aronson, Inc., New York, N. Y. Wall bracket. Des. 73,000; July 5.
Kleuver, Anne J. (See Cook, Frank J., assignor.)
Knauff, Ulysses G., Minneapolis, Minn., assignor to C. V. Knutson, Portland, Oreg. Lawn sprinkler. 1,634,261; July 5.
Knutson, C. V. (See Knauff, Ulysses G., assignor.)
Kracaw, Austin R. (See Powers, Emmett, assignor.)
Kraft, Heinrich A. E., assignor to Firma Kraft & Steudel Fabrik Photographischer Papiere G. m. b. H., Dresden, Germany. Embossing appliance for photographs and the like. 1,634,466; July 5.
Krause, Reinhold C., Youngstown, Ohio. Ingot mold. 1,634,999; July 5.
Kreider, Irvin K., Lancaster, Pa. Elevator for silos. 1,634,585; July 5.
Kreisberg, Jacob, New York, N. Y. Hair curler. 1,635,046; July 5.
Kreiter, Richard F. (See Rhodes, H. P., and Kreiter.)
Krieg, Walter L., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,635,087; July 5.
Kroeger, Frederick C., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,634,751; July 5.
Krum, Charles L. and H. L., assignors, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph transmitter. 1,635,129; July 5.
Krum, Howard L. (See Krum, Charles L. and H. L.)
Krum, Howard L., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Telegraph system. 1,635,130; July 5.
Krum, Howard L., assignor, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Selective telegraph system. 1,635,131; July 5.
Kubo, Masakichi, Tokyo, Japan. Manufacturing malleable cast iron. 1,634,586; July 5.
Kux, Albert S. (See Blitz, A., and Kux.)
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,634,367; July 5.
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,634,368; July 5.
La Brie, Ludger E., South Bend, Ind., assignor to Motor Industries, Inc., Chicago, Ill. Wheel with brake disk. 1,635,088; July 5.

Lachaine, Joseph A., Lowell, Mass. Sheet-metal seam. 1,634,947; July 5.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,634,503; July 5.
Ladd, James B. (See Schultz, Edward, assignor.)
Laflin, Lloyd A., Lake Forest, assignor to Elgin National Watch Company, Chicago, Ill. Movement-converting device for meters. 1,634,785; July 5.
Lake, Golladay, New York, N. Y. Device for fastening covers. 1,634,619; July 5.
Lambert, Samuel B., St. Louis, Mo. Attachment for clutches. 1,634,948; July 5.
Lampert, Benjamin H., Oshkosh, Wis. Track construction. 1,634,835; July 5.
Lampert, Benjamin H., Oshkosh, Wis. Sectional-track construction. 1,634,836; July 5.
Lanahan, James J. (See Carlson, W. J., and Lanahan.)
Lang, Henry T., assignor to Electric Vacuum Cleaner Co., Inc., Cleveland, Ohio. Dynamo-electric machine. 1,635,047; July 5.
Larrey, Teodoro, assignor to himself and L. Godard, Mexico, Mexico. Steam-superheating unit. 1,634,670; July 5.
Larvex Corporation, The. (See Minaeff, Michael G., assignor.)
Larvex Corporation, The. (See Minaeff, M. G., and Sachs, assignors.)
Laurine, William J., Seattle, Wash. Brake equaliser. 1,634,671; July 5.
Lautenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Combination die for use in perforating machines. 1,634,752; July 5.
Laycock, Thomas B., Indianapolis, Ind. Window screen. 1,634,371; July 5.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Unit circuit controller. 1,634,620; July 5.
Leathers, Ward, Haworth, N. J. Trackless street car. 1,634,587; July 5.
Le Compte, Onesime H., Oklahoma City, Okla. Lock-pin lifting and holding device for automatic car couplers. 1,634,588; July 5.
Lederer, Karl M., Newark, N. J. Transmission of sound. 1,634,292; July 5.
Lee, Ottar S., assignor to Nye Tool & Machine Works, Chicago, Ill. Vise stand. 1,634,837; July 5.
Lees-Bradner Company, The. (See Lees, Ernest J., assignor.)
Lees, Ernest J., assignor to The Lees-Bradner Company, Cleveland, Ohio. Testing apparatus. 1,634,828; July 5.
Leland, Warren S. D. (See Vaughan, R. E., and Leland.)
Lemoine, René, Paris, France, assignor to David Crystal, Inc., New York, N. Y. Dress. Des. 73,001; July 5.
Lenher Engineering Company. (See Barrett, George E., assignor.)
Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Continuous-current generator. 1,635,000; July 5.
Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Synchronous rectifier. 1,635,001; July 5.
Lennox, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Continuous-current transformer. 1,635,002; July 5.
Lester, John M., Bronxville, N. Y. Mop and duster. 1,634,907; July 5.
Le Valley, John, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Air-compressor valve. 1,634,949; July 5.
Levy, Robert, Berlin, Germany. Lamp shade. 1,634,545; July 5.
Lewers, George R., Brooklyn, assignor to General Chemical Company, New York, N. Y. Electrode. 1,634,872; July 5.
Lewis, Claude L., assignor of one-third to G. W. Street and one-third to J. Walker, Omaha, Nebr. Water heater. 1,635,003; July 5.
Lewis, Lee P., and W. Morgenthaler, Hallsville, Mo. Marker. 1,635,089; July 5.
Libbey-Owens Sheet Glass Company, The. (See Drake, John L., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Small, J. B., and Kincaid, assignors.)
Light, Grant H., Lebanon, Pa. Dental impression tray. 1,634,717; July 5.
Lincoln Meter Company Limited, The. (See Lines, Stanley L. B., assignor.)
Lines, Stanley L. B., assignor to The Lincoln Meter Company Limited, Toronto, Ontario, Canada. Measuring the flow of electric current in a three-wire circuit. 1,634,546; July 5.
Link, Rolla P., London, England. Press for printing, embossing, or the like. 1,635,132; July 5.
Linke, Oscar W. (See Steiert, A. F., and Linke.)
Linley, Charles M., Highbury, London, assignor to W. & T. Avery Limited, Birmingham, England. Method of and apparatus for testing the dynamic balance of rotary bodies. 1,634,428; July 5.
Linwood, Louis, Shelby, Miss. Scale. 1,635,090; July 5.
Lipsky, Norman, New York, N. Y., assignor to Golden Lighting Fixture Co., Inc. Lighting fixture. Des. 73,002; July 5.
Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Fire-protective device. 1,634,333; July 5.
Loomis, Chauncey C., Yonkers, and H. E. Stump, Brooklyn, N. Y., assignors, by mesne assignments, to The Hevea Corporation. Manufacture of molded articles from latex. 1,634,293; July 5.
Lorraine, David G., et al. (See Tibbetts, Robert M., assignor.)
Losack, John M., Orchard, Tex. Well strainer. 1,634,547; July 5.
Lotte, Lucien P. C., Paris, France. Tire protector. 1,634,589; July 5.
Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive stoker. 1,634,467; July 5.
Lucian, Arsene N., Philadelphia, Pa. Stabiliser. 1,634,950; July 5.
Ludwick, Herbert V., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel. 1,634,786; July 5.
Lukens, Clarence D. (See Youtsey, Floyd S., assignor.)
Luten, Daniel B., Indianapolis, Ind. Skew arch. 1,634,548; July 5.
Luten, Daniel B., Indianapolis, Ind. Expansion-joint drain. 1,634,549; July 5.
Lynch, Earnest E., and H. A. Mead, Turlock, Calif., assignors to Masterench Corporation. Wrench. 1,634,908; July 5.
Lyth, John J., Valleyfield, Quebec, Canada. Apparatus for moiré-finishing cloth. 1,635,091; July 5.
MacKay, John F., Lancaster, Pa. Incubator. 1,634,909; July 5.
Madsen, Bern, assignor to Curtis Companies, Inc., Clinton, Iowa. Veneer-core machine. 1,635,149; July 5.
Maffei, Firm of J. A. (See Wirth, Heinrich, assignor.)
Magarvey, John R., Schenectady, N. Y. Steam boiler. 1,634,787; July 5.
Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Electromagnet-Apparate. (See Bing, Julius, assignor.)
Magnetic Signal Co. (See Harris, Ford W., assignor.)
Magnussen, Eric, assignor to Gorham Mfg. Co., Providence, R. I. Candlestick. Des. 73,003; July 5.
Majeski, Walter, Hoboken, N. J. Reed trimmer. 1,635,004; July 5.
Mallory, Bonnie L., Cleveland, Ohio. Faucet. 1,634,672; July 5.
Malm, Henry, New York, N. Y. Propeller. 1,634,329; July 5.
Malm, Henry, New York, N. Y. Propeller. 1,634,330; July 5.
Malm, John A., Denver, Colo. Reversing oil clutch. Re. 16,668; July 5.
Maloczay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Adjusting mechanism. 1,634,718; July 5.
Manifold Impressions Corporation. (See Armistead, Hubert M., assignor.)
Mann, Horace, Albuquerque, N. Mex. Tire. Des. 73,004; July 5.
Mann, Robert C., assignor of one-half to P. B. Behr, St. Louis, Mo. Electric therapeutic device. 1,634,373; July 5.
Marcus, Lewis A., New York, N. Y. Receptacle. 1,634,876; July 5.
Mark, Ovid E., San Diego, Calif. Automatic power-transmission control mechanism. 1,634,504; July 5.
Marks, Irving M., Chicago, Ill. Electric grate. Des. 73,005; July 5.
Marks, Irving M., Chicago, Ill. Electric grate. Des. 73,006; July 5.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Attachment means for hinges. 1,634,859; July 5.
Martin, Jacob F., assignor to The Bellevue Manufacturing Company, Bellevue, Ohio. Luggage carrier. 1,634,590; July 5.
Martin, Louis, Muncy, Pa. Snowplow. 1,634,673; July 5.
Martin-Parry Corporation. (See Weaver, Harry A., assignor.)
Martinez, Isidore, La Pryor, Tex. Device for picking cotton. 1,634,621; July 5.
Mase, Roscoe P., Wilkinsburg, Pa. Method of and apparatus for quantitative determination of gas. 1,634,331; July 5.
Masney, Thomas C., Boston, Mass. Tobacco pipe. 1,634,875; July 5.
Mason, Freeman D., assignor to The Bridgewater Machine Company, Akron, Ohio. Collapsible drum. 1,634,961; July 5.
Masterench Corporation. (See Lynch, E. E., and Mead, assignors.)
Mattera, Phil J., and H. N. Walker, assignors of one-third to E. C. Ballman, Oelwein, Iowa. Baseball game. 1,634,296; July 5.
Matthews, Pryce, West Kensington, London, and A. Bracher, Berrow, Burnham-on-Sea, England. Cooling apparatus for cream and other viscous liquids. 1,634,910; July 5.
Mattice, Royal, Bethlehem, Pa. Connecting metallic elements. 1,634,674; July 5.

Perkins, Louis E., New York, N. Y. Marine lamp. 1,634,469; July 5.
Mattice, Royal, Bethlehem, Pa. Electric welding. 1,634,675; July 5.
Maurer, John F., jr., Woodcliff, N. J. Crate. 1,635,133; July 5.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Surfacing-machine spindle attachment. 1,634,952; July 5.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Me. Stapling machine or tacker. 1,634,840; July 5.
McArn, Donald G., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Heater for transformer oil. 1,634,719; July 5.
McCabe, Edward B. (See Hiller, N. H., and McCabe.)
McCaughey, William J., Columbus, assignor to The Cleveland Trust Company, Cleveland, Ohio. Oxychloride cement and making same. 1,634,505; July 5.
McCrary, Sam H., assignor of one-half to W. A. Fowler, Knoxville, Tenn. Drop-bottom mine car. 1,635,048; July 5.
McCreedy, Lloyd E., assignor to The Racine Horseshoe Tire Company, Racine, Wis. Tire-finishing machine. 1,635,134; July 5.
McCully, Hiland E. (See Rowley, J. S., Riggles, and McCully.)
McCune, Milo, and C. L. Paulus, Dayton, Ohio. Cartridge rack. 1,634,953; July 5.
McDonald, Charles R., and A. E. Bevan, Akron, Ohio. Liquid-dispensing apparatus. 1,634,374; July 5.
McGee, Richard R., Ballston Lake, N. Y., assignor to General Electric Company. Expulsion fuse. 1,635,049; July 5.
McGeehin, Daniel J., West Hazleton, Pa. Hydraulic water-pipe cleaner. 1,634,591; July 5.
McGill Manufacturing Company. (See Gordon, David D., assignor.)
McGill Manufacturing Company. (See Urbahns, Allen G., assignor.)
McGlashan, Norman, New York, N. Y. Hair-cutting device. 1,634,788; July 5.
McGowan, James, jr., Merchantville, N. J., assignor to Campbell Soup Company. Cooking spaghetti and similar foods. 1,634,332; July 5.
McGowan, William L., Galt, Mo. Ironing board. 1,634,294; July 5.
McHugh, Philip M., Pelham Manor, assignor to The Dorr Company, New York, N. Y. Manufacture of whiting. 1,634,877; July 5.
McInerney, Peter J., Dallas, Tex. Grooving and reenforcement supporting device and process. 1,634,262; July 5.
McInerney, Peter J., Dallas, Tex. Joint form. 1,634,263; July 5.
McInerney, Peter J., Dallas, Tex. Treating asphaltic paving materials. 1,634,264; July 5.
McInerney, Thomas, Williamsport, Pa. Garage-door-actuating means. 1,634,954; July 5.
McKee, Arthur G., & Company. (See Irwin, John P., assignor.)
McKellar, Archie, Wausau, Wis. Mower. 1,635,050; July 5.
McKinney, Carlos J., Detroit, Mich., assignor to The Republic Rubber Company, Youngstown, Ohio. Runway for windows. 1,634,878; July 5.
McKinnon, John W. (See Dimelow, Thomas E., assignor.)
McLaughlin, Celia B., administratrix. (See McLaughlin, Wharton B.)
McLaughlin, Wharton B., deceased, New York, N. Y.; C. B. McLaughlin, administratrix. Method and manufacture of fruit preserves. 1,634,295; July 5.
McLeaird, Edgar G. and J. C., Nashville, Ark. Insert for timers. 1,635,092; July 5.
McLeaird, John C. (See McLeaird, Edgar G. and J. C.)
McMillan Book Company. (See Sterling, Harry C., assignor.)
McPherson, Donald, and F. B. Schultz, New York, assignors to Keyroid Cement Block Co., Inc., Corona, N. Y. Mold and molding faced concrete blocks. 1,635,093; July 5.
McWane, Arthur T., Birmingham, Ala. Window guard. 1,634,841; July 5.
McWane, Arthur T., Birmingham, Ala. Window guard. 1,634,842; July 5.
McWane, Arthur T., Birmingham, Ala. Window guard. 1,634,843; July 5.
Mead, Homer A. (See Lynch, E. E., and Mead.)
Mealy, Solomon R. (See Polen, Clarence R., assignor.)
Mechlin, Ernest F., Washington, D. C. Draft rigging. 1,634,429; July 5.
Meister, Albert R., Sacramento, Calif. Flexible four-wheeled driving truck. 1,634,430; July 5.
Melby, Charles J., Everett, Wash. Shingle-planing machine. 1,634,789; July 5.
Meletio, Monroe L., St. Louis, Mo. Vending machine. 1,634,911; July 5.
Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making patterned rubber sheeting. 1,634,955; July 5.
Melling, Herman W., Jackson, Mich. Lathe. 1,634,550; July 5.
Menges, Henry, Richmond Hill, N. Y. Fastener for fabrics. 1,634,622; July 5.
Mensel, Martin, Rubland, Germany. Molding machine. 1,634,753; July 5.
Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)
Merensky, Felix, Leavenworth, Kans. Ruling machine. 1,634,880; July 5.
Merrick Scale Mfg. Company. (See Hebden, Frank, assignor.)
Merrill Company, The. (See Mills, L. D., and Crowe assignors.)
Metal Specialties Manufacturing Company. (See Hermann, Wolfgang, assignor.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Gun barrel. 1,634,754; July 5.
Meyer, Theodore F. W., Elizabeth, assignor to J. R. English, Newark, N. J. Vernier device. 1,634,676; July 5.
Meyers, Otto B., Quakertown, Pa. Automatic reed-saving device. 1,635,051; July 5.
Miller, Frederic R., Jersey City, N. J., assignor to Artcolor Motion Picture Company, New York, N. Y. Apparatus for printing motion-picture films. 1,634,297; July 5.
Miller, Frederick B., Scottdale, Pa. Controller. 1,634,677; July 5.
Miller, Ferdinand, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Power-transmission unit. 1,634,376; July 5.
Miller, Harry H., assignor to Miller-Smythe Electric Company, Youngstown, Ohio. Power hammer. 1,634,623; July 5.
Miller, Henry C., deceased; First Wisconsin Trust Company, executor, Milwaukee, Wis. Unit for holding the leaves in visible record systems. 1,634,956; July 5.
Miller Smythe Electric Company. (See Miller, Harry H., assignor.)
Miller, Thomas S., South Orange, N. J. Engine. 1,634,912; July 5.
Millis, Linn W., Kansas City, Mo. Heater. 1,634,265; July 5.
Mills, Louis D., Redwood City, and T. B. Crowe, Palo Alto, assignors to The Merrill Company, San Francisco, Calif. Apparatus for precipitating and filtering. 1,634,720; July 5.
Minaeff, Michael G., New York, assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y. Mothproofing composition. 1,634,791; July 5.
Minaeff, Michael G., New York, assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y. Mothproofing composition. 1,634,792; July 5.
Minaeff, Michael G., assignor, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y. Mothproofing. 1,634,793; July 5.
Minaeff, Michael G., and A. P. Sachs, New York, assignors, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y. Mothproofing. 1,634,790; July 5.
Minaeff, Michael G., Brooklyn, and A. P. Sachs, New York, assignors, by mesne assignments, to The Larvex Corporation, Brooklyn, N. Y. Mothproofed articles. 1,634,794; July 5.
Miner, Claude G., Berkeley, Calif. Producing phosphorous nitride and certain readily-volatile halides. 1,634,795; July 5.
Miner, Claude G., Berkeley, Calif. Continuously producing phosphorous nitride and certain halides from raw materials. 1,634,796; July 5.
Mirgon, Frank J., San Francisco, Calif. Razor-hone holder. 1,634,881; July 5.
Mitchell, Joseph S., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,634,506; July 5.
Mix, Edwin S., Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc. Belt buckle. 1,635,135; July 5.
Mock, Hugo, New York, N. Y. Bill posting. 1,634,383; July 5.
Molié, François F., Genoa, Italy. Separation of caramels. 1,635,136; July 5.
Monfee, Andrew J. (See Sleeman, W. C., and Monfee.)
Montan, Adolph, Montclair, and H. W. Falstrom, Newark, assignors to Eastern Tool & Mfg. Company, Bloomfield, N. J. Hanger. 1,634,377; July 5.
Moore, Fred E., Los Angeles, Calif. Furniture. 1,634,551; July 5.
Moore, William D., Birmingham, Ala., assignor to Sand Spun Patents Corporation, Wilmington, Del. Mold facing device. 1,634,266; July 5.
Morehouse, Harold E. (See Angle, G. D., and Morehouse.)
Morgenthaler, William. (See Lewis, L. P., and Morgenthaler.)
Morison, George S., assignor to Morison Incorporated, Pittsburgh, Pa. Ball transmission. 1,634,507; July 5.
Morison Incorporated. (See Morison, George S., assignor.)
Morkrum-Kleinschmidt Corporation. (See Krum, Charles L. and H. L., assignors.)
Morkrum-Kleinschmidt Corporation. (See Krum, Howard L., assignor.)
Morrill, Richard R., Palo Alto, Calif., assignor, by mesne assignments, to Oliver Oil-Gas Burner and Machine Company, St. Louis, Mo. Drier. 1,634,882; July 5.
Morse Chain Company. (See Morse, Frank L., assignor.)
Morse, Frank L., Ithaca, N. Y., assignor to Morse Chain Company. Drive chain. 1,634,334; July 5.

Morton, Harry D., New York, N. Y. Automatic electric-arc welding device and operating the same. 1,634,624; July 5.
Morton, Laszlo. (See Nagy, Louis, assignor.)
Mosebach Electric & Supply Company. (See Schenk, Eduard, assignor.)
Mosebach, Karl J., Pittsburgh, Pa. Terminal structure for rail bonds. 1,634,678; July 5.
Mosiac Tile Company, The. (See Jordan, Roy E., assignor.)
Motor Industries, Inc. (See La Brie, Ludger E., assignor.)
Mott, Abram C., jr., assignor to Abram Cox Stove Company, Lansdale, Pa. Tank heater. 1,635,052; July 5.
Mountford Bros. (See Mountford, Sidney O., assignor.)
Mountford, Sidney O., assignor to Mountford Bros., Newark, N. J. Ring gauge. 1,634,378; July 5.
Muchnic, Henry E., Atchison, Kans. Engine. 1,634,335; July 5.
Muir, Wellington W., Lockport, N. Y. Cooling system for internal-combustion engines. 1,634,844; July 5.
Mullens, Clarence E., Albany, N. Y. Bone clamp. 1,635,137; July 5.
Müller, Friedrich, Vienna, Austria. Four-cycle internal-combustion engine working with an injection air compressor. 1,634,468; July 5.
Muller, Louis E., Los Angeles, Calif. Electrode holder. 1,634,957; July 5.
Mulligan, Leonard A., assignor to Joseph N. Smith Co., Detroit, Mich. Windshield-regulating device. 1,634,592; July 5.
Murray, Thomas E. (See Williams, Herbert H., assignor.)
Myers, Agnes W., et al. (See Myers, Joseph W., assignor.)
Myers, Joseph H., et al. (See Myers, Joseph W., assignor.)
Myers, Joseph W., assignor of one-third to J. H. Myers, Jackson, one-third to A. J. Tuttle, Detroit, and one-third to A. W. Myers and J. W. Myers, Jackson, Mich. Thermostatic apparatus. 1,634,879; July 5.
Myers, Joseph W., assignor of one-third to J. H. Myers, Jackson, one-third to A. J. Tuttle, Detroit, and one-third to A. W. and J. W. Myers, Jackson, Mich. Flatiron. 1,634,431; July 5.
Myers, William W., Stony Point, N. C. Meat tenderer. 1,635,053; July 5.
Nagy, Louis, assignor of one-half to L. Morton, Hamilton, Ontario, Canada. Gravity table. 1,634,267; July 5.
Nanji, Dinshaw R., Birmingham, and F. J. Paton, Smethwick, England. Manufacture of pectin products. 1,634,879; July 5.
Nash Motors Company. (See Wahlberg, Nils E., assignor.)
National Safety Devices Company. (See Woodring, Alberto L., assignor.)
Naylor, William E., London, England. Sound-box for gramophones and similar instruments. 1,634,880; July 5.
Neckles, George E., assignor of one-half to G. N. Calls, Zanesville, Ohio. Powder dispenser. 1,635,139; July 5.
Neebe, Lawrence L., Woodbury, N. J. Locomotive-crosshead guide. 1,635,054; July 5.
Nelson, John H., Chicago, Ill., assignor to Caskey-Dupree Manufacturing Company, Coldwater, Mich. Electric switch. 1,634,432; July 5.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,635,138; July 5.
Nestler, Emil, New York, N. Y. Sand bag. 1,635,094; July 5.
Netschert, Frans, Glendale, assignor to Technical Glass Company, Inc., Los Angeles, Calif. Lock spindle. 1,634,845; July 5.
Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Adjusting electrical contacts. 1,634,881; July 5.
Newman, A. L., Company. (See Eddy, Albert H., assignor.)
Newport Company, The. (See Ulich, L. H., and Goodrich, assignors.)
Newton, Earle R., assignor to Curtis Gas Engine Corporation, New York, N. Y. Power plant. 1,634,797; July 5.
Nichols, Aaron S., New York, N. Y. Humidifier. 1,634,552; July 5.
Nichols, Marion F. (See Hunter, William K., assignor.)
Nicholson, Robert. (See Rotstein, M., and Nicholson.)
Nicks, Ira G., assignor to The Joy Toy Manufacturing Company, Denver, Colo. Toy aeroplane vehicle. 1,634,846; July 5.
Niles-Bement-Pond Company. (See Cole, Lyndon C., assignor.)
Niles-Bement-Pond Company. (See Miller, Ferdinand, assignor.)
Niles-Bement-Pond Company. (See Randolph, Clifford F., assignor.)
Nixon, Clifton W., New York, N. Y. Coin-controlled vending and change-making machine. 1,634,679; July 5.
Nixon, Clifton W., New York, N. Y. Vending machine. 1,634,680; July 5.
Nordstrom, Sven J., Saratoga, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,634,721; July 5.
Nordstrom, Sven J., assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Valve. 1,634,722; July 5.
Norstrom, Nils E., Chicago, Ill. Slow magnet. 1,635,005; July 5.
North, Clayton O., assignor to The Rubber Service Laboratories Company, Akron, Ohio. Rubber-vulcanization process. 1,634,336; July 5.
Noyes, Albert H., assignor to Hills-McCanna Co., Chicago, Ill. Closure for liquid-holding tanks, vats, and stills. 1,634,958; July 5.
Nutt, William H., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe heel. Des. 73,007; July 5.
Nye Tool & Machine Works. (See Lee, Ottar S., assignor.)
Nystrom, Martin, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Station-selector dial for radio receiving sets. 1,634,625; July 5.
Oakes, Frank J., Indianapolis, Ind. Internal-combustion engine. 1,634,681; July 5.
Oberschmidt, Frederick H., Cleveland, Ohio, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for power-operated machines. 1,634,382; July 5.
Obrien, John J., Palm Beach, Fla. Adjustable mirror. 1,634,883; July 5.
O'Brien, Morgan C. M., Auckland, New Zealand. Protection of jewelers' windows and the like. 1,635,140; July 5.
Ochs, George F. A., Newark, N. J. Anchor block. 1,634,268; July 5.
Ochs, George F. A., Newark, N. J. Tire filler. 1,634,626; July 5.
Oil Devices Corporation. (See Breese, James L., jr., assignor.)
Oil Well Supply Company. (See Gallman, C. E., and Haire, assignors.)
Okell, Stanley A. W. (See Wickenden, L., and Okell.)
Oliver Oil-Gas Burner and Machine Company. (See Morrill, Richard R., assignor.)
Oliver, William, Lockport, N. Y. Pump. 1,635,006; July 5.
Olson, Werner O., East Orange, N. J., assignor to Asher Manufacturing Company, Irvington, N. J. Supply door for wash wheels. 1,635,141; July 5.
Orem, Frederick S., Baltimore, Md. Air cleaner for automobiles and the like. 1,635,007; July 5.
Orendorff, William A., Bloomington, Ill. Grain-dumping end gate for grain wagons. 1,634,798; July 5.
Orlowski, John D., Chicago, Ill. Window seat. 1,634,883; July 5.
Ortloff, Albin, Meiningen, Germany. Self-supporting carriage body for motor-driven vehicles. 1,634,433; July 5.
Osborn, Howard H., assignor to H. G. Fischer & Company, Chicago, Ill. Spark gap. 1,634,627; July 5.
Ostrom, Cameron W., Brewster, Wash. Tire signal. 1,634,553; July 5.
O'Toole, Edward, Gary, W. Va. Mining-machine tool. 1,634,434; July 5.
Owen, Frederick C., Fayetteville, N. C. Transformer for electric-arc cutting, repairing, and welding apparatus. 1,634,959; July 5.
Pabst Corporation. (See Eldredge, Elmer E., assignor.)
Pacz, Aladar, Cleveland, Ohio, assignor to General Electric Company, Alloy filament. 1,635,055; July 5.
Padbury, John J., Barre, Vt. Bush hammer. 1,634,298; July 5.
Page, Albert E., Brooklyn, assignor to Scott & Williams, Incorporated, New York, N. Y. Positioning device for knitting-machine elements. 1,634,632; July 5.
Paiste, H. T., Company. (See Paiste, Henry T., assignor.)
Paiste, Henry T., assignor to H. T. Paiste Cmpany, Philadelphia, Pa. Outlet. 1,635,056; July 5.
Pajalle, Antonio, Detroit, Mich. Fan. 1,634,554; July 5.
Palmer Bros. Engines, Inc. (See Ulrich, Julius M., assignor.)
Pannell, Richard L., Birmingham, Ala. Rotary internal-combustion engine. 1,634,269; July 5.
Panoch, Anthony L., Iowa City, Iowa. Gate hinge. 1,634,337; July 5.
Parker, Raisemond D., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telegraph circuits. 1,634,299; July 5.
Pasqualle, Dominic D., Benning, D. C. Wire-tie clamp. 1,634,847; July 5.
Pateman, Arthur, assignor to Imperial Typewriter Company Limited, Leicester, England. Ribbon-reversing mechanism. 1,634,593; July 5.
Paton, Frederic J. (See Nanji, D. R., and Paton.)
Patrick, Isaac, Jamaica, N. Y. Composite blade for scissors, shears, etc., and cutter therefor. 1,634,508; July 5.
Paulus, Charles L. (See McCune, M., and Paulus.)
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Peer, Edward S., Los Angeles, Calif. Safety-deposit receptacle. 1,634,884; July 5.
Peerless Husker Company. (See Sells, Millar W., assignor.)
Peerless Machinery Company, The, (See Lautenschlager, William F., assignor.)
Peloubet, William S., New York, N. Y. Catamenial sack and womb support. 1,634,555; July 5.
Pelzer, Harry L. (See Herthel, E. C., and Pelzer.)

Perrakis, Nicholas C., Fresno, Calif. Pruning shears. 1,634,848; July 5.

Peschl, Frank A., Jackson Heights, N. Y. Paper-making machine. 1,634,885; July 5.

Peter, Henry A., Philadelphia, Pa., assignor to Pioneer Suspender Company. Display box and supporting element for suspenders. 1,634,435; July 5.

Peters, John F., Rochester, assignor to American Can Company, New York, N. Y. Scoring machine. 1,634,509; July 5.

Pfeifer, Ferdinand A. (See Deutsch, L., and Pfeifer.)

Pieper, John H., Delavan, Minn. Dispensing device. 1,634,594; July 5.

Pierce, Frank M., Chicago, Ill. Gyroscopic toy. 1,634,470; July 5.

Pierce, James B., jr., Charleston, W. Va. Making precipitated barium carbonate and barium sulphydrate. 1,634,338; July 5.

Piermattei, Ignazio, Landisville, N. J. Paper-receptacle-making machine. 1,635,057; July 5.

Pines Winterfront Company. (See Raleigh, James F., assignor.)

Pioneer Suspender Company. (See Peter, Henry A., assignor.)

Pittsburgh Transformer Company. (See McArn, Donald G., assignor.)

Podel, Abraham, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Friction-cap machine. 1,634,723; July 5.

Poetz, John C., St. Paul, Minn. Shutter opening and closing device. 1,635,008; July 5.

Polen, Clarence R., assignor of three-fourths to S. R. Mealy, Tulsa, Okla. Reversible tool brace. 1,634,300; July 5.

Positive Lock Company, The. (See Crooks, C. L., and Vandervoort, assignors.)

Positive Lock Company, The. (See Vandervoort, Francis M., assignor.)

Possons, Minard A. (See Hill, Reuben, assignor.)

Potter, Richard C. (See Watson, Arthur H., assignor.)

Potter, Thomas I., Portland, Oreg. Refrigerating unit. 1,635,058; July 5.

Powell, Everton B., assignor to The Hanson & Van Winkle Company, Newark, N. J. Electroplating machine. 1,634,849; July 5.

Powers, Emmett, assignor of one-third to A. R. Kracaw, Denver, Colo. Electric battery and making the same. 1,634,850; July 5.

Pratt & Whitney Company. (See Doane, John A., assignor.)

Pratt & Whitney Company. (See Schramm, C., and Vokal, assignors.)

Prescott, Charles F., Brooklyn, N. Y. Valve. 1,634,339; July 5.

Presstel Radiator Company. (See Carlberg, Carl S., assignor.)

Price, Harold, Moncton, New Brunswick, Canada. Collapsible mast. 1,634,595; July 5.

Probst, Karl, Toledo, Ohio. Traction wheel. 1,634,683; July 5.

Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Pryor, Edward G., Pueblo, Colo. Lock. 1,634,755; July 5.

Punzak, Joseph F., Brooklyn, N. Y. Coin bank. Des. 73,008; July 5.

Pym, Arthur F., Clifton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Upper-shaping machine. 1,634,510; July 5.

Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,634,511; July 5.

Pyne, James E., Toledo, Ohio. Valve seat and head. 1,634,512; July 5.

Racine Horseshoe Tire Company, The. (See McCreedy, Lloyd E., assignor.)

Radium Emanation Corporation, The. (See Cervi, Armando, assignor.)

Rahling, Henry D., East Aurora, assignor to Steel Drum Accessories Corporation, Buffalo, N. Y. Bib or faucet. 1,634,960; July 5.

Rail Joint Company, The. (See Disbrow, Clarkson A., assignor.)

Rainbow Photo Reproductions, Inc. (See Flammer, E. F., and Silliman, assignors.)

Rainsford, Thomas F., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Method and apparatus for bending spokes. 1,634,913; July 5.

Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Thermostatically-controlled radiator shutter for automobiles. 1,634,301; July 5.

Ramsey, George, Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Sealing cap and package. 1,634,724; July 5.

Randolph, Clifford F., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Machine tool. 1,634,384; July 5.

Rapp, Axel G. J., Chicago, Ill. Sand separator. 1,634,385; July 5.

Read, Claude C., Detroit, Mich. Doorstop. 1,634,886; July 5.

Reed, Harry A., and F. J. Reilly, Jerome, Ariz. Rail oiler. 1,634,513; July 5.

Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)

Reed Roller Bit Company. (See Bull Clinton H. M., assignor.)

Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Twisting machine. 1,635,009; July 5.

Reeves, Dache M., Belleville, Ill. Pressure-responsive device. 1,634,901; July 5.

Reichold, Ludwig, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Centrifugal casting apparatus. 1,634,914; July 5.

Reiger, Carl S., St. Louis, Mo., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Toggle mechanism. 1,634,684; July 5.

Reilly, Francis J. (See Reed, H. A., and Reilly.)

Reischl, Ludwig, assignor to Bing Werke (formerly Gebrüder Bing A. G.), Nuremberg, Germany. Child's typewriting machine. 1,634,685; July 5.

Reischl, Ludwig, assignor to Bing Werke, Nuremberg, Germany. Child's typewriting machine. 1,634,725; July 5.

Reischl, Ludwig, assignor to Bing Werke, Nuremberg, Germany. Child's typewriting machine. 1,634,726; July 5.

Replitura Corporation, The. (See Brixey, Austin D., assignor.)

Replogle, John R., assignor to Electric Refrigeration Corporation, Detroit, Mich. Valved fitting for refrigerating apparatus. 1,634,628; July 5.

Republic Rubber Company, The. (See McKinney, Carlos J., assignor.)

Reynolds Spring Company. (See Ile, William, assignor.)

Rhodes, Hampton P., and R. F. Kreiter, Houston, Tex.; said Kreiter assignor to said Rhodes. Machine for manufacturing metallic packing. 1,634,556; July 5.

Rial, Wirt D., and E. W. Gard, Wilmington, Calif. Preparing an adsorbent for oils. 1,634,514; July 5.

Rich, David, assignor of one-half to J. W. Hendrickson, Spooner, Wis. Nut lock. 1,634,629; July 5.

Richards, Newton D., Los Angeles, Calif. Buckle. Des. 73,009; July 5.

Rider, George F., Chicago, Ill. Ring or similar article of jewelry. Des. 73,010; July 5.

Rigby, Charles, Cincinnati, Ohio. Golf club. 1,634,887; July 5.

Riggle Automatic Train Control Company. (See Riggle, Thomas M., assignor.)

Riggle, Thomas M., assignor to Riggle Automatic Train Control Company, Oakland, Calif. Automatic train control. 1,634,557; July 5.

Riggles, John W. (See Rowley, J. S., Riggles, and McCully.)

Ringwald, Clarence, Chicago, assignor of one-half to J. A. Diemer, Evanston, Ill. Drive for engine starters. 1,634,515; July 5.

Ritter, Julius, jr., assignor to Hartmann Trunk Company, Racine, Wis. Trunk drawer attachment. 1,634,302; July 5.

Rivière, Cléry. (See Clément, L., and Rivière.)

Roberts, George W., Vancouver, British Columbia, Canada. Automatically-discharging raft. 1,634,888; July 5.

Robinson, Edward A., Atlanta, Ga. Well-drilling tool. 1,634,686; July 5.

Robinson, Joseph, New York, N. Y. Automatic train-pipe connecter. 1,634,851; July 5.

Robinson, Stanley L., Nampa, Idaho. Paint and plastic substance. 1,635,095; July 5.

Rochas, Marcel, Paris, France, assignor to David Crystal, Inc., New York, N. Y. Dress. Des. 73,011; July 5.

Rocke, Edwin C., deceased, Bloomington, Ill.; J. Rocke, administrator. Adjustable drain board for wringers. 1,634,790; July 5.

Rocke, John, administrator. (See Rocke, Edwin C.)

Rodman, Blanche, administratrix. (See Rodman, Earl C.)

Rodman, Earl C., deceased; B. Rodman, administratrix, Tuscola, Ill. Adapter coil. 1,635,096; July 5.

Rodrigues, Ramon, New York, N. Y. Sound-amplifying instrument. 1,634,340; July 5.

Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster mechanism. 1,634,558; July 5.

Roessler & Hasslacher Chemical Co., The. (See Whitby, George S., assignor.)

Rogers, Harry R., Chicago, Ill. Foot support. 1,634,516; July 5.

Roland, Friedrich, Paterson, N. J. Loom movement. 1,634,915; July 5.

Romine, Robert T., Mount Clemens, Mich. Paint stick for automobiles. 1,634,341; July 5.

Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)

Rose, Elias B., Los Angeles, Calif. Flush valve. 1,635,010; July 5.

Rosen, Isidor, Brooklyn, N. Y. Game board. Des. 73,012; July 5.

Ross, Edward E. (See Hebrew, J. S., and Ross.)

Rotstein, Morris, and R. Nicholson, Vicksburg, Miss. Knockdown camp stove. 1,634,517; July 5.

Rottger, John F., Modesto, Calif. Automatic siphon. 1,634,518; July 5.

Rowley, John S., J. W. Riggles, and H. E. McCully, Lansing, Mich. Dirigible headlight mechanism. 1,634,630; July 5.

Roy, William O., Montreal, Quebec, Canada. Developing and transplanting plants. 1,634,727; July 5.

Rubber Service Laboratories Company, The. (See North, Clayton O., assignor.)

Russell, Herbert O., Parlier, Calif., and C. L. Paulus, Dayton, Ohio. Gun sight for night use. 1,635,059; July 5.

Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pasting machine. 1,634,519; July 5.

Sachs, Albert P. (See Minaeff, M. G., and Sachs.)

Sachs, R., Gesellschaft mit beschränkter Haftung. (See Gronefeld, Johannes, assignor.)

Sachtleber, Rudolph, Brooklyn, N. Y. Radio receiving system. 1,634,962; July 5.

Sadler, Luther, Los Angeles, Calif. Vehicle periscope. 1,635,011; July 5.

St. Helens Cable and Rubber Company Limited. (See Harrison, Harry C., assignor.)

Salley, Thomas P., Mobile, Ala. Operating mechanism for dirigible headlights. 1,635,007; July 5.

Salt, William B. (See Kissinger, George B., assignor.)

Sambor, Samuel, Newark, N. J. Machine for dispensing articles. 1,634,916; July 5.

Samouce, George A., Brooklyn, N. Y. Animal trap. 1,634,270; July 5.

Sand Spun Patents Corporation. (See Moore, William D., assignor.)

Sandell, Henry K., Chicago, Ill. Electric motor. 1,634,852; July 5.

Sandell, Henry K., Chicago, Ill. Transforming system. 1,634,853; July 5.

Sanders, George R. (See Hall, E. A., and Sanders.)

Sanders, Joseph A., Philadelphia, Pa., assignor to The Dentists' Supply Company. Display block for mounting artificial teeth. 1,634,687; July 5.

Sapp, James E., assignor of one-half to R. Bower, Brainbridge, Ga. Animal trap. 1,634,688; July 5.

Saunders, Orien R., Cove, Oreg. Weeding machine. 1,635,098; July 5.

Schaefer, Gustav, Wagon Company, The. (See Jackson, Vilas H., assignor.)

Schatz, Herman A. (See Smith, William F., assignor.)

Schelleng, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Rectifying and modulating system. 1,634,800; July 5.

Scheller, Emma, Long Island City, N. Y. Window screen. 1,634,303; July 5.

Schenk, Eduard, assignor to Mosebach Electric & Supply Company, Pittsburgh, Pa. Electrical terminal. 1,634,689; July 5.

Schleyer, Victor, assignor, by mesne assignments, to Dean Hill Pump Company, Anderson, Ind. Centrifugal pump. 1,634,304; July 5.

Schliederer, Emil, Nuremberg, Germany, assignor to the Firm: Bing-Werk, vorm. Gebr. Bing Aktiengesellschaft. Toy. 1,634,756; July 5.

Schmid, William, Coldwater, assignor to H. A. Douglas, Bronson, Mich. Choke-valve mechanism. 1,634,437; July 5.

Schmidt, Walter A., assignor to International Precipitation Company, Los Angeles, Calif. Damper construction. 1,634,559; July 5.

Schneider & Cie. (See Methlin, Nicolas E., assignor.)

Schneider, Franklin, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Portable hand tool. 1,634,801; July 5.

Schram, Alexander L., Hillsboro, Ill., assignor, by mesne assignments, to Ball Brothers Company, Muncie, Ind. Drop-feeding device. 1,634,560; July 5.

Schramm, Carl, West Hartford, and P. F. Vokal, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Driving connection. 1,634,386; July 5.

Schrimp, John A., Los Angeles, Calif. Illuminated aquarium. 1,634,305; July 5.

Schultz, Abraham J., Newark, N. J. Bedstead corner lock. 1,634,806; July 5.

Schultz, Edward, Chicago, Ill., assignor to J. B. Ladd, Des Moines, Iowa. Caster. 1,634,631; July 5.

Schultz, Frederick B. (See McPherson, D., and Schultz.)

Schurmann, William A., assignor to W. A. Schurmann & Co., Inc., Chicago, Ill. Egg carton. 1,634,596; July 5.

Schurmann, W. A., & Co. (See Schurmann, William A., assignor.)

Schussler Tobacco Machine Co. Inc., The. (See Schussler, Walter H., assignor.)

Schussler, Walter H., assignor to The Schussler Tobacco Machine Co. Inc., Philadelphia, Pa. Cigar bunching machine. 1,634,690; July 5.

Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Screen conveyer. 1,634,963; July 5.

Schweitzer, Wilhelm H., Heidelberg, Germany. Treating Tussah silk. 1,634,757; July 5.

Schweyer, Daniel H., Easton, Pa. Automatic train control. 1,634,691; July 5.

Scollard, Thomas F., Warsaw, Ind. Electric elevator. 1,634,854; July 5.

Scott & Williams, Incorporated. (See Page, Albert E., assignor.)

Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)

"S-C" Regulator Manufacturing Company, The. (See Barrett, Joseph, M., assignor.)

Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Drying alkali cellulose. 1,635,012; July 5.

Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Reducing the viscosity characteristics of cellulose ethers. 1,635,013; July 5.

Sellas, Leoh A., Zurich, Switzerland. Wig. 1,635,099; July 5.

Sells, Millar W., assignor to Peerless Husker Company, Buffalo, N. Y. Corn-husking machine. 1,634,758; July 5.

Serrell, John J., Elizabeth, assignor to Smith and Serrell, Newark and Mahwah, N. J. Spring cross yieldable coupling. 1,635,150; July 5.

Severance, Malvern W. (See Dunzweiler, C. J., and Severance.)

Seymour Mfg. Co. (See Halpin, James F., assignor.)

Shackleton, Samuel P., Wyoming, N. J., assignor to American Telephone and Telegraph Company. Composite ringer. 1,634,271; July 5.

Shapiro & Aronson, Inc. (See Klein, Max, assignor.)

Shapiro, Saul, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Lighting fixture. 1,634,561; July 5.

Shapiro, Saul, New York, N. Y., assignor to Artcraft Metal Stamping Corporation. Making straps. 1,634,562; July 5.

Sharples, Philip M., assignor to The Sharples Separator Company, West Chester, Pa. Centrifugal milk separator. 1,634,759; July 5.

Sharples Separator Company, The. (See Sharples, Philip M., assignor.)

Shaw, William N., Fargo, N. Dak. Drug mixer. 1,634,563; July 5.

Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Truck. 1,634,307; July 5.

Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Electric-locomotive truck. 1,634,308; July 5.

Sheer, H. M., Company. (See Hermesmeyer, Anthony J., assignor.)

Sheldon, Waldo, South Norwalk, Conn. Well-drilling apparatus. 1,634,917; July 5.

Shelton, William G., assignor to Halliwell-Shelton Electric Corporation, New York, N. Y. Illuminated advertising device. 1,634,309; July 5.

Shinkez, Victor R., assignor to Hancock Manufacturing Co., Charlotte, Mich. Door handle. 1,634,842; July 5.

Shook, George L., Port Henry, N. Y. Sintering pan and grate therefor. 1,634,272; July 5.

Shuell, Frank W., assignor to Ever Hot Heater Company, Detroit, Mich. Water heater. 1,634,889; July 5.

Siddall, Wilbur H., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,635,142; July 5.

Siegel, Maude, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 73,013; July 5.

Silex Company. (See Bridges, Hazel M., assignor.)

Silliman, Halsey E. (See Flammer, E. F., and Silliman.)

Sinclair Refining Company. (See Herthel, E. C., and Pelser, assignors.)

Sivertsen, Oscar, Trondhjem, Norway. Printing apparatus. 1,634,855; July 5.

Skillen, William H. (See Hjorth, Oscar B., assignor.)

Skroch, Frank W., Jamestown, N. Dak. Article lifter. 1,634,856; July 5.

Slaght, Daniel C., Easton, Pa. Sawing machine. 1,634,692; July 5.

Sleeman, William C., Birmingham, and A. J. Monfee, Pratt City, Ala. Coupler-release rigging. 1,634,698; July 5.

Slick, Edwin E., Pittsburgh, Pa. Conveyer pan. 1,634,273; July 5.

Small, James B., and F. J. Kincaid, Charleston, W. Va., assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,634,802; July 5.

Smith, A. O., Corporation. (See Reichold, Ludwig, assignor.)

Smith, Elmer H., Minneapolis, Minn. Making oxyfuel torch tips. 1,634,274; July 5.

Smith, George A., Baltimore, Md., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. 1,635,014; July 5.

Smith, George O., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alloy. 1,634,348; July 5.

Smith, Harvey G., Salina, Kans. Auxiliary headlight. 1,634,694; July 5.

Smith, Joseph N., Co. (See Mulligan, Leonard A., assignor.)

Smith, Louis A., Auburn, N. Y. Confection-coating machine. 1,635,015; July 5.

Smith and Serrell. (See Serrell, John J., assignor.)

Smith, Sam P., Cabot, Ark. Automatic railway-crossing signal and bar. 1,635,143; July 5.

Smith, William F., Brooklyn, assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Agricultural implement. 1,634,728; July 5.

Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shear. 1,634,275; July 5.

Snyder, Herbert C., assignor to Stewart Manufacturing Corporation, Chicago, Ill. Apparatus for and making rod packing. 1,634,520; July 5.

Solá, Emilio C., Flix, Spain. Apparatus for cinematographic projections. 1,634,597; July 5.

Solanet, Louis J. H. (See Bertrand, J. J. M., and Solanet.)

Sonoco Products Company. (See Dunlap, Charles K., assignor.)

Sonora Phonograph Company. (See Gruber, Morris M., assignor.)

Sonora Phonograph Company. (See Wolff, Joseph, assignor.)

Southwestern Engineering Corporation. (See Hall, E. A., and Sanders, assignors.)

Sovereign, Robert J., New York, N. Y. Combustion apparatus. 1,634,857; July 5.

Sperry Gyroscope Company, The. (See Hall, Theodore, assignor.)

Spiers, Whilam, Limited. (See Hull, Joseph, assignor.)

Spiro, Charles, New York, N. Y. Parking device. 1,634,803; July 5.

Spreen, Charles C., assignor to Electric Refrigeration Corporation, Detroit, Mich. Pulley. 1,634,438; July 5.

Sprenger, Dr. Otto, Patentverwertung Jirotka mit beschränkter Haftung. (See Jirotka, Bohumil, assignor.)

Standard Pyroxoloid Corporation. (See Watson, Philip H., assignor.)

Stansfield, William H., Auburn, N. Y. Display rack. 1,634,804; July 5.

Stapf, Robert J., Northfield, Minn. Razor-blade holder. 1,634,387; July 5.

Standard Development Company. (See Howard, Frank A., assignor.)

Staples, Charles F., Detroit, Mich. Washing machine. 1,634,805; July 5.

Staples, Charles F., Detroit, Mich. Washing machine. 1,634,890; July 5.

Stapp, Frederick, Denver, Colo. Riveting mandrel. 1,634,521; July 5.

Star Chandelier Co. (See Boehringer, John A., assignor.)

Steel Drum Accessories Corporation. (See Rahling, Henry D., assignor.)

Steel, Samuel T. (See Durnell, Harold G., assignor.)

Steffen, Raymond A., Hamilton, Ohio. Paper formation and weight indicator. 1,634,344; July 5.

Steiert, Alois F., and O. W. Linke, Philadelphia, Pa. Floor polisher. 1,635,016; July 5.

Steinman, Samuel, Brooklyn, N. Y. Latch device for hand bags. 1,634,918; July 5.

Steinmetz, Joseph A., Philadelphia, Pa. Mooring dirigible aircraft. 1,634,964; July 5.

Sterling, Harry C., assignor to McMillan Book Company, Syracuse, N. Y. Flyleaf for loose-leaf binders. 1,634,345; July 5.

Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., Fluid-pressure-operated hammer. 1,634,729; July 5.

Stevens, Horace D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for wrapping tire tape or the like. 1,634,919; July 5.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-stripping machine. 1,634,920; July 5.

Stevens, William G., Jr., New York, N. Y. Coupling. 1,635,144; July 5.

Stevenson, William, Morriston, N. J. Tappet for internal-combustion engines. 1,634,276; July 5.

Stewart Manufacturing Corporation. (See Snyder, Herbert C., assignor.)

Stierl, John, Cleveland, Ohio. Game device. 1,634,564; July 5.

Stockade Building System, Inc. (See Fuller, Richard B., assignor.)

Stolpe, Frederick J., Chicago, Ill. Shock-absorbing means. 1,634,522; July 5.

Stoop, William J., Wheeling, W. Va. Normalizing furnace. 1,634,858; July 5.

Strand, Andrew, Minneapolis, Minn. Milk-bottle cover. 1,634,806; July 5.

Strandberg, Alvin C., assignor of one-half to O. S. Wiard, Kansas City, Mo. Brad. 1,634,632; July 5.

Strang, John M., assignor to Barr and Stroud, Limited, Anniesland, Glasgow, Scotland. Eyepiece-prism combination for use in range finders of the self-contained base type. 1,634,695; July 5.

Straus, Joseph K., Jamaica, assignor to The Ullman Manufacturing Company, Long Island City, N. Y. Frame for photographs, display cards, and the like. 1,634,921; July 5.

Street, G. W., et al. (See Lewis, Claude L., assignor.)

Strouse, Charles H., Indianapolis, Ind. Interior fortress. 1,634,598; July 5.

Strout, Havilen T. (See Bloss, R. R., Strout, and Ansel.)

Stubblebine, Raymond F., Philadelphia, and J. V. Dolan, Ardmore, assignors to The American Motor Body Corporation, Philadelphia, Pa. Revolving chair. 1,634,922; July 5.

Stump, Horace E. (See Loomis, C. C., and Stump.)

Sullivan, George M. (See Johnston, W. D., and Sullivan.)

Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)

Sullivan Machinery Company. (See Cundy, Oscar R., assignor.)

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)

Sullivan Machinery Company. (See Mitchell, Joseph S., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sumbling, William H., Toronto, Ontario, Canada. Ironing machine. 1,634,523; July 5.

Sun Rise Lamp Mfg. Co. (See Cricchio, Paul, assignor.)

Sunde, Apsalon A., Ute, Iowa. Antiskid device. 1,635,017; July 5.

Surdi, Tommase, Rome, Italy. Manufacture of artificial wood and product obtained by said process. 1,634,346; July 5.

Swartzlander, James W. (See Fernald, Charles F., assignor.)

Switzer, Henry W., Hamilton, Ontario, Canada, assignor to W. H. Heimbach, Buffalo, N. Y. Window. 1,634,277; July 5.

Symington Company, The. (See Couch, Glenn F., assignor.)

Takamine, Jokichi, jr. and N. Fujita, Clifton, N. J. Making a yeast stimulant. 1,634,310; July 5.

Taylor, Albert W., Peckville, Pa. Line pulley. 1,635,145; July 5.

Taylor, Charles F., Montclair, N. J. Flexible coupling. 1,634,965; July 5.

Teahen, James M., Detroit, Mich. Operating handle for flushing tanks. 1,634,524; July 5.

Technical Glass Company. (See Netschert, Franz, assignor.)

Teneau, Valentin C., Pelham, N. Y. Playing-card holder. 1,634,696; July 5.

Thomas, Bruno, Seattle, Wash. Furnace for electrical treatment of gases for the purpose of oxidation of atmospheric nitrogen or for other purposes. 1,634,311; July 5.

Thomas, George J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,635,100; July 5.

Thomas, William H., 3d, Little Falls, N. Y. Automatic temperature-control valve for liquids or steam. 1,634,525; July 5.

Thomas, William L., Dallas, Tex. Window-sash support. 1,634,599; July 5.

Thompson, Charles D., Roanoke, Va. Device for extracting bushings and the like. 1,634,600; July 5.

Thompson, Harry E., assignor to Universal Cooler Corporation, Detroit, Mich. Cylinder-cap construction for compressors. 1,634,633; July 5.

Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Induction voltage regulator. 1,635,060; July 5.

Thoren, Josef H. E. (See Hultgren, A. G. E., and Thoren.)

Thorne, Carl B., Hawkesbury, Ontario, Canada. Plant for bleaching and like purposes. 1,634,388; July 5.

Thorner, Walter, Berlin, Germany. Apparatus for projecting multicolor images in cinematography. 1,634,760; July 5.

Thorpe, Willard G., Los Angeles, Calif. Burglar detector. 1,634,472; July 5.

Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Calif. Convertible automatic floodgate and controllable headgate. 1,634,697; July 5.

Thullen, J. C. (See Thullen, Louis H., assignor.)

Thullen, Louis H., Upper Montclair, N. J., assignor, by mesne assignments, to J. C. Thullen, Lectonia, Ohio. Transformer. 1,634,923; July 5.

Tibbetts, Robert M., Long Beach, assignor of seventy-two and one-half per cent to W. L. Burrough and twenty-seven and one half per cent to D. G. Lorraine, Los Angeles, Calif. Rod rack. 1,634,859; July 5.

Tice, James Y., Bloomfield, N. J. Ash receiver. 1,634,761; July 5.

Tobacco By Products and Chemical Corporation. (See Gross, P. M., and Arnold, assignors.)

Tockwin, Gregory J., Boston, Mass. Signal switch. 1,634,347; July 5.

Togami, Nobufumi, Saga-Ken, Japan. Distribution system for selective connections thereto of feeders. 1,634,601; July 5.

Tractor Grip Wheel Company, The. (See Wine, William E., assignor.)

Travaglini, Frank, Philadelphia, Pa. Stringed musical instrument. 1,634,730; July 5.

Traver, Harry G., Beaver Falls, Pa. Car for aeroplane swings. Des. 73,014; July 5.

Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,635,061; July 5.

Travis, Leonard, Sidney, Iowa. Chain coupling and tightener. 1,634,698; July 5.

Trevani, Celso, Hopedale, Mass. Stakeholder. 1,634,762; July 5.

Troski, Peter, Arista, W. Va. Bird house. 1,634,763; July 5.

Trout, William A., Long Beach, Calif. Packing device. 1,634,891; July 5.

Tully, George L., assignor to American Optical Company, Southbridge, Mass. Binocular-magnifying-lens holder. 1,635,002; July 5.

Tuttle, Arthur J., et al. (See Myers, Joseph W., assignor.)

Tyson, Calvin W., Prairie Depot, Ohio. Shocker attachment. 1,634,966; July 5.

Uihlein, Erwin C. (See Callaghan, Thomas F., assignor.)

Ulich, Lynne H., Racine, and R. J. Goodrich, South Milwaukee, assignors to The Newport Company, Milwaukee, Wis. Making N-dihydro-1-2-2'-1'-anthraquinoneazine. 1,634,473; July 5.

Ullman Manufacturing Company, The. (See Straus, Joseph K., assignor.)

Ulrich, Julius M., Greenwich, Conn., assignor to Palmer Bros. Engines, Inc., Coscob, Conn. Transmission mechanism. 1,635,063; July 5.

Unico-Motor Products Corporation. (See Edelmann, Louis A., assignor.)

Union Steel Products Company. (See Hatch, Charles T., assignor.)

Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)

Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)

United Engineering & Foundry Company. (See Smitmans, John A., assignor.)

United Shoe Machinery Corporation. (See Brogan, Michael F., assignor.)

United Shoe Machinery Corporation. (See Gorsuch, George J., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United Shoe Machinery Corporation. (See Nutt, William H., assignor.)

United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)

United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)

United Shoe Machinery Corporation. (See Sabin, Ernest E., assignor.)

Universal Cooler Corporation. (See Thompson, Harry E., assignor.)

Upjohn, Hubert S., Los Angeles, Calif. Filing and shipping receptacle. 1,634,699; July 5.

Urbahns, Allen G., assignor to McGill Manufacturing Company, Valparaiso, Ind. Lamp guard. 1,634,439; July 5.

Vandervoort, Francis M. (See Crooks, C. L., and Vandervoort.)

Vandervoort, Francis M., assignor to The Positive Lock Company, Pueblo, Colo. Latch and keeper means. 1,634,634; July 5.

Vandervoort, Francis M., assignor to The Positive Lock Company, Pueblo, Colo. Latch. 1,634,636; July 5.

Vandervoort, Francis M., assignor to The Positive Lock Company, Pueblo, Colo. Latch. 1,634,637; July 5.

Van Dorn Electric Tool Company, The. (See Schneider, Franklin, assignor.)

Vaughan, Raymond E., Piqua, and W. S. D. Leland, Dayton, Ohio. Transmitter. 1,634,967; July 5.

Vernor, James, Company. (See Doughty, William E., assignor.)

Victor Chemical Works. (See Boynton, Arthur J., assignor.)

Villaret, Gustave E., Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Bracket back for lighting fixtures. Des. 73,015; July 5.

Villaret, Gustave E., Leonia, N. J., assignor to Owen Walsh M'f'g. Co., Inc., New York, N. Y. Base for a chandelier. Des. 73,016; July 5.

Vissat, Anthony L., Jeannette Borough, Pa. Railway frog. 1,634,638; July 5.

Vokal, Paul F. (See Schramm, C., and Vokal.)

Von Hoff, Carl, Essen, Germany. Oxygen-respiratory apparatus. 1,635,101; July 5.

W. & T. Avery, Limited. (See Benton, William A., assignor.)

W. & T. Avery Limited. (See Linley, Charles M., assignor.)

Wadell, Albert H., Newark, N. J. Machine for boring the bearings of connecting rods. 1,634,389; July 5.

Wagner, Edward A., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,635,064; July 5.

Wahlberg, Nils E., assignor to Nash Motors Company, Kenosha, Wis. Brake mechanism for steering wheels. 1,634,474; July 5.

Walker, Harold N. (See Mattern, P. J., and Walker.)

Walker, Henry B., assignor to The Fairfield Engineering Company, Marion, Ohio. Truck. 1,635,018; July 5.

Walker, John, et al. (See Lewis, Claude L., assignor.)

Wallbillich, Anthony F., Newark, N. J., assignor to Distance-Speed Recording Company. Drive for speed-responsive instruments. 1,634,565; July 5.

Walsh, Owen, M'f'g. Co. (See Villaret, Gustave E., assignor.)

Walton, Stokely D., Imperial, Calif. Gang disk plow. 1,635,019; July 5.

Wappler, Reinhold H., Yonkers, N. Y., assignor to American Cystoscope Makers, Inc. Battery casing. 1,634,475; July 5.

Watson, Arthur H., Chicago, Ill., assignor to R. C. Potter, Riverside, Ill. Awning for motor vehicles 1,634,860; July 5.

Watson, Leonard E., St. Marys, W. Va. Wrench. 1,635,102; July 5.

Watson, Philip H., assignor to Standard Pyroxoloid Corporation, Leominster, Mass. Water waver. 1,635,065; July 5.

Wayne Company. (See Baker, Linnaeus E., assignor.)

Weaver, Harry A., Indianapolis, Ind., assignor to Martin-Parry Corporation, York, Pa. Tire carrier. 1,634,278; July 5.

Weber, Gottlieb, Youngstown, Ohio. Automatic spike machine. 1,634,567; July 5.

Webster Electric Company. (See Hawkins, William W., assignor.)

Webster Electric Company. (See Kleckner, Arthur C., assignor.)

Weinberg, Lowell C., Seattle, Wash. Fuel heater. 1,634,968; July 5.

Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Wall board. 1,634,807; July 5.

Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Wall construction. 1,634,808; July 5.

Weiss, Howard F., Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Wall board. 1,634,809; July 5.

Wells, Chester R. (See Gilpin, V. L., and Wells.)

Wells, Walter A., Washington, D. C. Surgical instrument. 1,635,066; July 5.

Welsby, Silas, assignor to David Brown & Sons (Huddersfield), Limited, Huddersfield, England. Expanding reamer. 1,635,103; July 5.

Wendt, Paul H. W., Jersey City, N. J. Clothespin. 1,634,892; July 5.

Werner, Karl, Dresden, Germany. Producing sand molds for molding stone pattern plates. 1,634,731; July 5.

Werner, William, Mexia, Tex. Multiple-stage pump. 1,634,279; July 5.

Wessman, Edwin G., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Cup dispenser. 1,643,566; July 5.

Western Electric Company. (See Hocker, Carl D., assignor.)

Western Electric Company. (See Schelleng, John C., assignor.)

Western Electric Company. (See Smith, George O., assignor.)

Westinghouse Electric & Manufacturing Company. (See Allen, Robert C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Davis, David C., assignor.)

Westinghouse Electric and Manufacturing Company. (See Hebrew, J. S., and Ross, assignors.)

Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)

Westinghouse Electric & Manufacturing Company. (See Wilson, Joseph B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)

Westinghouse Gear and Dynamometer Company. (See Allen, Robert C., assignor.)

Weymann, Charles T., Paris, France. Operating apparatus for vertically-sliding panels. 1,634,861; July 5.

Wheeler, Harry J., Kansas City, Mo. Renewable fuse plug. 1,634,810; July 5.

Whitby, George S., Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Accelerator for the vulcanization of rubber. 1,634,924; July 5.

Whitby, George S., Montreal, Quebec, Canada, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Accelerator for the vulcanization of rubber. 1,634,925; July 5.

White, H. C., Company. (See Bried, Julien A., assignor.)

White, Henry, Glens Falls, assignor to Champlain Silk Mills, New York, N. Y. Silk-dressing machine. 1,634,476; July 5.

Whitehead, James T. (See Wilson, John H., assignor.)

Whitehead & Kales Company. (See Rainsford, Thomas F., assignor.)

Whitehead and Kales, Inc. (See Judd, Irving H., assignor.)

Whitehead, Thomas C., Detroit, Mich. Pump. 1,634,811; July 5.

Whitehead, Thomas C., Detroit, Mich. Radiator construction. 1,634,812; July 5.

Whitehead, Thomas C., Detroit, Mich. Refrigerating apparatus. 1,634,813; July 5.

Wiard, Oliver S. (See Strandberg, Alvin C., assignor.)

Wickenden, Leonard, Flushing, N. Y., and S. A. W. Okell, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y. Making decolorizing carbon. 1,634,477; July 5.

Wickenden, Leonard, Flushing, N. Y., and S. A. W. Okell, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y. Process and apparatus for making decolorizing carbon. 1,634,478; July 5.

Wickenden, Leonard, Flushing, N. Y., and S. A. W. Okell, Tyrone, Pa., assignors to Industrial Chemical Company, New York, N. Y. Electric-furnace apparatus and making decolorizing carbon. 1,634,480; July 5.

Wickenden, Leonard, Flushing, and W. F. Demmerle, New York, N. Y., assignors to Industrial Chemical Company, New York, N. Y. Electric-furnace apparatus and revivifying decolorizing carbon, etc. 1,634,479; July 5.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilkens, Edward T. (See Bollheimer, R., and Wilkens.)
Wilkins, Clyde H., Lyndon, Ill. Games apparatus. 1,635,020; July 5.
Willamette Iron and Steel Works. (See Allison, Clifford E., assignor.)
Willard Storage Battery Company. (See Dunsweller, C. J., and Severance, assignors.)
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Williams, Clifford J., assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable striker plate. 1,634,814; July 5.
Williams, Herbert H., assignor to T. E. Murray, Brooklyn, N. Y. Method and apparatus for making wheels. 1,634,700; July 5.
Williams, John, Washington, D. C. Show case. 1,634,732; July 5.
Williams, John W., South Miami, Fla. Spraying apparatus. 1,634,701; July 5.
Wills, Walter B., Baltimore, Md. Frying basket. 1,634,733; July 5.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Fisher, Walter S., assignor.)
Wilson, Almond E., Indianpolis, Ind. Purifying mechanism and method. 1,634,893; July 5.
Wilson, John H., assignor, by mesne assignments, to J. T. Whitehead, Mitchell, Nebr. Windmill. 1,634,926; July 5.
Wilson, Joseph B., Chicago, Ill., assignor to Westinghouse Electric & Manufacturing Company. Valve-operating mechanism. 1,634,764; July 5.
Wilson, Robert A., assignor to The Guiberson Corporation, Dallas, Tex. Power wrench. 1,634,602; July 5.
Wine, William E., assignor to The Tractor Grip Wheel Company, Toledo, Ohio. Traction shoe. 1,634,639; July 5.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 1,635,146; July 5.
Wirth, Heinrich, assignor to the Firm J. A. Maffei, Munich, Germany. Locomotive. 1,634,526; July 5.
Wise, Solomon, Cincinnati, Ohio. Display stand. Des. 73,017; July 5.
Wolff, Joseph, Brooklyn, N. Y., assignor, by mesne assignments, to Sonora Phonograph Company, Inc., Needle rest. 1,634,702; July 5.
Wolff, Joseph, Brooklyn, N. Y., assignor, by mesne assignments, to Sonora Phonograph Company, Inc. Needle receptacle. 1,634,703; July 5.
Wood, Charles D., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making paper from straw and product. 1,634,603; July 5.
Wood, William H., South Euclid, Ohio. Storage battery. 1,634,527; July 5.
Wood, William H., South Euclid, Ohio. Lamp. 1,634,528; July 5.
Woodlands Limited. (See Hutchinson, Robert, assignor.)
Woodring, Alberto I., assignor to National Safety Devices Company, Waterloo, Iowa. Percussive device. 1,634,927; July 5.
Woods, Samuel J., Newport, R. I. Gas-igniting device. 1,635,104; July 5.
Worthington Pump and Machinery Corporation. (See Benson, Harry F., assignor.)
Wright, James G. E., Alplaus, N. Y., and W. J. Bartlett, East Cleveland, Ohio, assignors to General Electric Company. Ester-resin composition and prepartion. 1,634,969; July 5.
Yankelewitz, Hirsh W., Newark, N. J. Advertising and amusement apparatus. 1,634,765; July 5.
Yoder, Sam, Blackwell, Okla. Corner piece for buildings. 1,634,862; July 5.
Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Compound lining head. 1,634,481; July 5.
Youtsey, Floyd S., assignor of one-half to C. D. Lukens, St. Louis, Mo. Casting method and apparatus. 1,634,482; July 5.
Zastrow, Edgar E., Chanute, Kans. Storage-battery terminal. 1,634,280; July 5.
Zecchino, Michele, Corona, N. Y. Door or window screen. 1,634,312; July 5.
Zixinis, Paul T., Belmar, N. J., assignor to Industrial Spray-Drying Corporation, New York, N. Y. Spray-processing apparatus. 1,634,640; July 5.
Zobel, Benjamin J., Buffalo, N. Y. Tire rim. 1,635,105; July 5.
Zworykin, Vladimir K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless transmitting system. 1,634,390; July 5.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerometer, Recording. G. Gardner. 1,634,992; July 5.
Acid, Production of hydrocyanic. G. Bredig and E. Elöd. 1,634,735; July 5.
Adjusting mechanism. F. X. Malocsay. 1,634,718; July 5.
Advertising and amusement apparatus. H. W. Yankelewitz. 1,634,765; July 5.
Advertising device, Illuminated. W. G. Shelton. 1,634,309; July 5.
Aeroplanes, Safety attachment for. F. Beni and D. Iarussi. 1,634,442; July 5.
Agricultural implement. W. F. Smith. 1,634,728; July 5.
Aircraft, Fire-extinguishing apparatus for. G. W. Burke, jr. 1,634,977; July 5.
Aircraft, Mooring dirigible. J. A. Steinmetz. 1,634,964; July 5.
Airplane stop. C. F. Jenkins. 1,634,904; July 5.
Alkali cellulose, Drying. P. C. Seel. 1,635,012; July 5.
Alloy. G. O. Smith. 1,634,343; July 5
Alloy filament. A. Pacz. 1,635,055; July 5.
Ammonium chloride and alkali-metal sulphate, Production of. O. Geragross. 1,634,870; July 5.
Anchor block. G. F. A. Ochs. 1,634,268; July 5.
Animal trap. G. A. Samouce. 1,634,270; July 5.
Animal trap. J. E. Sapp. 1,634,688; July 5.
Ankle protector. G. F. Hogan. 1,634,576; July 5
Antiholdup device A. Goodman. 1,635,121; July 5.
Antirattling device. S. Baruch. 1,634,349; July 5.
Antiskid device. A. A. Sunde. 1,635,017; July 5.
Apparatus for delivering measured quantities of a fluent material B. Jirotka. 1,635,126; July 5.
Aquarium, Illuminated. J. A. Schrimp. 1,634,305; July 5.
Arc cutting, repairing, and welding apparatus, Transformer for electric-. F. C. Owen. 1,634,959; July 5.
Article lifter. F. W. Skroch. 1,634,856; July 5.
Ash receiver. J. Y. Tice. 1,634,761; July 5.
Assembling and lasting machine B. Jorgensen. 1,634,502; July 5.
Automatic switch. L. W. Gilbert. 1,635,078; July 5.
Automobile, Child's foot-power. J. A. Bried. 1,634,486; July 5.
Automobile hotel and garage. R. C. Hecox. 1,634,498; July 5.
Automobile jack. J. T. Amiss. 1,634,391; July 5.
Automobile lock. V. L. Gilpin and C. R. Wells. 1,635,079–80; July 5.
Automobile lock. G. B. Kissinger. 1,634,583; July 5.
Automobiles and the like, Air cleaner for. F. S. Orem. 1,635,007; July 5.
Automobiles, Coach body of. R. A. Fatoux. 1,634,656; July 5.
Automobiles, Paint stick for. R. T. Romine. 1,634,341; July 5.
Automobiles, Thermostatically-controlled radiator shutter for. J. F. Raleigh. 1,634,301; July 5.
Automobiles, Wind deflector for. B. Jassen. 1,634,290; July 5.
Bag: *See*—
Sand bag. Swimming bag.
Bag-filling machine. N. M. Fegely. 1,634,538; July 5.
Bags, Latch device for hand. S. Steinman. 1,634,918; July 5.
Ball transmission, G. S. Morison. 1,634,507; Juyl 5.
Barium carbonate and barium sulphydrate, Making precipitated. J. B. Pierce, jr. 1,634,338; July 5.
Basket, Frying. W. B. Wills. 1,634,733; July 5.
Battery: *See*—
Storage battery.
Battery casing. R. H. Wappler. 1,634,475; July 5.
Battery container, Storage-. C. J. Dunsweller and M. W. Severance. 1,634,284; July 5.
Bead-placing ring. H. A. Denmire. 1,635,073; July 5.
Bearing for link chains and belts. S. J. Bens. 1,634,641; July 5.
Bearing, Self-adjusting connecting-rod. M. D. Greenig. 1,634,993; July 5.
Bearings of connecting rods, Machine for boring the. A. H. Wadell. 1,634,889; July 5.
Bedstead. R. C. Erskine. Des. 72,994; July 5.
Bedstead corner lock. A. J. Schultz. 1,634,306; July 5.
Belt, Sprocket chain or link. S. J. Bens. 1,634,647; July 5.
Beverage-dispensing apparatus, Carbonated-. W. E. Doughty. 1,634,457; July 5.
Bib or faucet. H. D. Rahling. 1,634,960; July 5.
Bill posting. H. Mock. 1,634,333; July 5.
Binders, Flyleaf for loose-leaf. H. C. Sterling. 1,634,345; July 5.
Bird house. P. Troski. 1,634,763; July 5.
Bit: *See*—
Drilling bit.
Blade, Cultivator. F. R. Bergsten. 1,634,531; July 5.
Block: *See*—
Anchor block. Refractory block.
Board: *See*—
Dry-steam sleeve board. Wall board.
Ironing board.
Board and making the same, Composition. F. J. Hallauer. 1,634,462; July 5.
Boat, Foot-propelled. C. Garro. 1,634,257; July 5.
Boiler: *See*—
Steam boiler.
Boilers, Automatic alarm and shut-off for steam. J. M. Barrett. 1,634,392; July 5.
Bone clamp. C. E. Mullens. 1,635,137; July 5.
Bottle-capping machine. E. Jabs. 1,634,363; July 5.
Bottle-capping machine. J. A. Johnson. 1,634,464; July 5.
Bottle construction. E. B. Clark. 1,635,070; July 5.
Bottle-filling apparatus. A. J. Galland. 1,634,416; July 5.
Bottle holder. J. L. Freisner. 1,634,747; July 5.
Bottled goods, Cooler for. S. Kaye. Re16,669; July 5.
Box: *See*—
Fare box.
Brace: *See*—
Tool brace.
Brad. A. C. Strandberg. 1,634,632; July 5.
Braiding machines, Bobbin for. C. P. Berolzheimer. 1,634,607; July 5.
Braille matrix. N. D. Clark and A. B. Armstrong. 1,635,032; July 5.
Brake: *See*—
Velocipede brake.
Brake. W. S. Adams. 1,635,021; July 5.
Brake. W. L. Krieg. 1,635,087; July 5.
Brake. L. E. La Brie. 1,634,367–8; July 5.
Brake. G. J. Thomas. 1,635,100; July 5.
Brake beam. C. F. Huntoon. 1,634,995; July 5.
Brake-beam safety hanger. J. H. Glimpel. 1,634,902; July 5.
Brake equalizer. W. J. Laurine. 1,634,671; July 5.
Brake-operating mechanism. W. J. Andres. 1,634,250; July 5.
Brake shoe. A. Y. Dodge. 1,634,369; July 5.
Brake shoe, Pivoted. A. Y. Dodge. 1,634,370; July 5.
Bricks, Making arch. R. J. Himmelright. 1,634,356; July 5.
Brush, Fountain. N. M. Cottrell. 1,635,114; July 5.
Buckle. N. D. Richards. Des. 73,009; July 5.
Buckle, Belt. E. S. Mix. 1,635,135; July 5.
Building blocks and process of molding, Mold for. R. B. Fuller. 1,634,900; July 5.
Building unit. J. A. Birkholz. 1,634,283; July 5.
Buildings, Corner piece for. S. Yoder. 1,634,862; July 5.
Burglar detector. W. G. Thorpe. 1,634,472; July 5.
Burial-casket handle. M. F. Davoran. Des. 72,990; July 5.
Burial casket or coffin. N. N. Barron. 1,634,767; July 5.
Burner: *See*—
Oil burner.
Bushings and the like, Device for extracting. C. D. Thompson. 1,634,600; July 5.
Calculating machine. H. A. Bowers. 1,634,485; July 5.
Calculating machine. C. M. F. Friden. 1,634,990; July 5.
Calculating machine. H. Hoffmeister. 1,635,125; July 5.
Can ends, Method of and machine for lining the flanges of. J. M. Hothersall. 1,634,500; July 5.
Can opener. H. Falla. 1,634,493; July 5.
Candlestick. E. Magnussen. Des. 73,003; July 5.
Cane juice, Preserving. A. K. Balls. 1,634,848; July 5.
Car and the like, Cane. L. D. Gregg. 1,634,779; July 5.

Car-couplers, Lock-pin lifting and holding device for automatic. O. H. Le Compte. 1,634,588; July 5.
Car, Drop-bottom mine. S. H. McCrary. 1,635,048; July 5.
Car for aeroplane swings. H. G. Traver. Des. 73,014; July 5.
Car, Self-propelled rail. J. P. Irwin. 1,634,362; July 5.
Car, Trackless street. W. Leathers. 1,634,587; July 5.
Caramels, Separation of. F. F. Mollé. 1,635,136; July 5.
Carbon, Electric-furnace apparatus and process for making decolorizing. L. Wickenden and S. A. W. Okell. 1,634,480; July 5.
Carbon, Electric-furnace apparatus and process of revivifying decolorizing. L. Wickenden and W. F. Demmerle. 1,634,479; July 5.
Carbon, Making decolorizing. L. Wickenden and S. A. W. Okell. 1,634,477; July 5.
Carbon, Process and apparatus for making decolorizing. L. Wickenden and S. A. W. Okell. 1,634,478; July 5.
Carbureting apparatus. W. G. Hemenway. 1,634,782; July 5.
Carburetor. W. Grikscheit. 1,634,461; July 5.
Card holder, Playing-. V. C. Teneau. 1,634,696; July 5.
Carrier: *See*—
Contact carrier. Tire carrier.
Luggage carrier.
Carton, Egg. W. A. Schurmann. 1,634,596; July 5.
Cartridge rack. M. McCune and C. L. Paulus. 1,634,953; July 5.
Case: *See*—
Filing case. Show case.
Cast iron, Manufacturing malleable. M. Kubo. 1,634,586; July 5.
Caster. E. Schultz. 1,634,631; July 5.
Caster mechanism. M. E. Roe. 1,634,558; July 5.
Casting apparatus, Centrifugal. L. Reichold. 1,634,914; July 5.
Casting method and apparatus. F. S. Youtsey. 1,634,482; July 5.
Catamenial sack and womb support. W. S. Peloubet. 1,634,555; July 5.
Cellulose acetate and making the same. R. Baybutt and E. S. Farrow, jr. 1,635,026; July 5.
Cellulose acetate, Treating. E. S. Farrow, jr. 1,634,986; July 5.
Cellulose ethers, Reducing the viscosity characteristics of. P. C. Seel. 1,635,013; July 5.
Cement and bulk material, Method and apparatus for handling. W. H. Drath. 1,634,255; July 5.
Cementing apparatus. G. J. Gorsuch. 1,634,496; July 5.
Centrifugal drier. G. H. Elmore. 1,634,868; July 5.
Centrifugal machines, Brake-actuating mechanism for. W. Colclough. 1,634,651; July 5.
Chain coupling and tightener. L. Travis. 1,634,698; July 5.
Chain, Drive. F. L. Morse. 1,634,334; July 5.
Chain for coal-loading machines, Conveyer. T. L. Johnson. 1,635,085; July 5.
Chains, Link joint for. S. J. Bens. 1,634,645; July 5.
Chains or belts, Link for. S. J. Bens. 1,634,644; July 5.
Chair: *See*—
Revolving chair.
Chair. R. C. Erskine. Des. 72,995; July 5.
Chandelier, Base for. G. E. Villaret. Des. 73,016; July 5.
Cheese and making the same, Processed. E. E. Eldredge. 1,634,410; July 5.
Chuck. L. A. Edelmann. 1,634,536; July 5.
Cigar-bunching machine. W. H. Schussler. 1,634,690; July 5.
Cinematographic projections, Apparatus for. E. C. Solá. 1,634,597; July 5.
Cinematography, Apparatus for projecting multi-color images in. W. Thorner. 1,634,709; July 5.
Circuit-breaker system, Automatic reclosing. O. C. Traver. 1,635,061; July 5.
Circuit-continuing device. H. A. Douglas. 1,634,404–5; July 5.
Circuit controller, Unit. R. C. Leake. 1,634,620; July 5.
Clamp: *See*—
Bone clamp. Wire-tie clamp.
Rod clamp.
Clamp. D. E. Bowe. 1,634,532; July 5.
Clamp. C. G. E. Johnson. 1,634,834; July 5.
Clasp. J. Cousilin. 1,634,321; July 5.
Cleaner: *See*—
Keyboard cleaner. Water-pipe cleaner.
Cleansing device, Hole-. E. G. Gartin. 1,634,495; July 5.
Clip: *See*—
Pen or pencil clip.
Cloth, Apparatus for moiré-finishing. J. J. Lyth. 1,635,091; July 5.
Clothes hanger. D. D. Jones. 1,634,750; July 5.
Clothespin. P. H. W. Wendt. 1,634,892; July 5.
Clutch-control device. W. Cotterill. 1,634,983; July 5.
Clutch, Electromagnetically-operated friction. J. Bing. 1,635,068; July 5.
Clutch, Friction. J. Kaltf, jr. 1,635,086; July 5.
Clutch mechanism. F. Cartlidge. 1,634,489; July 5.
Clutch, Reversing oil. J. A. Maim. Re16,608; July 5.
Clutches, Attachment for. S. B. Lambert. 1,634,948; July 5.
Coating composition. C. D. Hocker. 1,634,359; July 5.
Coil, Adapter. E. C. Rodman. 1,635,096; July 5.
Coin bank. J. F. Punsak. Des. 73,008; July 5.
Combustion. J. L. Breese, jr. 1,634,533; July 5.
Combustion apparatus. R. J. Sovereign. 1,634,857; July 5.
Combustion system. A. J. Boynton. 1,634,570; July 5.
Compound lining head. J. M. Young. 1,634,481; July 5.
Compressor-controlling mechanism. F. D. Holdsworth. 1,634,542; July 5.
Compressor unloader mechanism. O. R. Cundy. 1,634,491; July 5.
Compressors, Cylinder-cap construction for. H. E. Thompson. 1,634,633; July 5.
Concrete blocks, Mold and molding faced. D. McPherson and F. B. Schultz. 1,635,093; July 5.
Condenser control. R. N. Ehrhart. 1,634,256; July 5.
Condenser, Surface. F. Hodgkinson. 1,634,903; July 5.
Condenser, Variable. C. P. Brockway. 1,634,930; July 5.
Confection-coating machine. L. A. Smith. 1,635,015; July 5.
Contact carrier. H. A. Douglas. 1,634,407; July 5.
Containers and the like, Apparatus for cleaning. L. Deutsch and A. Pfeifer. 1,635,115; July 5.
Control apparatus. E. F. Carter. 1,634,979; July 5.
Controller. F. B. Miller. 1,634,677; July 5.
Controlling device and system employing the same. H. W. Brown. 1,634,973; July 5.
Controlling mechanism. F. D. Holdsworth. 1,634,577; July 5.
Conveyer pan. E. E. Slick. 1,634,273; July 5.
Cooling apparatus for cream and other viscous liquids. P. Matthews and A. Bracher. 1,634,910; July 5.
Cooling heated surfaces. E. N. Fales. 1,635,039; July 5.
Cooling systems, Method of and device for preventing freezing of motor. H. R. Bernard. 1,634,394; July 5.
Core drill. W. C. Barnes. 1,634,865; July 5.
Core drill. J. S. Mitchell. 1,634,506; July 5.
Corn-husking machine. M. W. Sells. 1,634,758; July 5.
Cotton, Device for picking. I. Martinez. 1,634,621; July 5.
Cotton picker. H. N. Berry. 1,635,161; July 5.
Coupler release rigging. W. C. Sleeman and A. J. Monfee. 1,634,693; July 5.
Coupling: *See*—
Flexible coupling. Spring-cross yieldable coupling.
Shaft coupling.
Coupling. W. G. Stevens, jr. 1,635,144; July 5.
Crate. J. F. Maurer, jr. 1,635,133; July 5.
Cup dispenser. E. G. Wessman. 1,634,566; July 5.
Curler, Hair. J. Kreisberg. 1,635,046; July 5.
Current generator, Continuous-. T. C. Lennox. 1,635,000; July 5.
Current motor, Alternating-. J. I. Hull. 1,634,944; July 5.
Current transformer, Continuous-. T. C. Lennox. 1,635,002; July 5.
Currents, Controlling alternating. E. F. W. Alexanderson. 1,634,970; July 5.
Cutter: *See*—
Glass cutter.
Cutter head. F. T. Flinchbaugh. 1,634,494; July 5.
Cutting machine, Flock-. W. J. Decoteau. 1,634,741; July 5.
Damper construction. W. A. Schmidt. 1,634,559; July 5.
Deaerating water. G. H. Gibson. 1,634,776; July 5.
Dental facing. T. E. Dimelow. 1,634,612; July 5.
Dental impression tray. G. H. Light. 1,634,717; July 5.
Depth-indicating device. H. W. King. 1,634,427; July 5.
Detector: *See*—
Burglar detector.
Dial scale and similar apparatus. E. Gase. 1,634,324; July 5.
Digger: *See*—
Peanut digger.
Dispensing apparatus, Safety mechanism for. L. E. Baker. 1,634,817; July 5.
Dispensing device. J. H. Pieper. 1,634,594; July 5.
Display block for mounting artificial teeth. J. A. Sanders. 1,634,687; July 5.
Display box and supporting element for suspenders. H. A. Peter. 1,634,435; July 5.
Display rack. C. Deuschle. 1,634,456; July 5.
Display rack. W. H. Stansfield. 1,634,804; July 5.
Display stand. S. Wise. Des. 73,017; July 5.
Door-actuating means, Garage-. T. McInerney. 1,634,954; July 5.
Door for wash wheels, Supply. W. O. Olson. 1,635,141; July 5.
Door handle. V. R. Shinkes. 1,634,342; July 5.
Door lock, Electric. H. B. Burr and M. A. Grieve. 1,635,028; July 5.
Door mounting, Oven-. S. H. Hobson. 1,634,358; July 5.
Door or window screen. M. Zecchino. 1,634,312; July 5
Doorstop. C. C. Read. 1,634,886; July 5.
Doors, Control mechanism for motor-actuated. F. Hedley and J. S. Doyle. 1,634,665; July 5.
Draft rigging. G. F. Couch. 1,634,398; July 5.
Draft rigging. B. W. Kadel. 1,634,306; July 5.
Draft rigging. E. F. Mechlin. 1,634,429; July 5.

Drain trap. C. W. Anderson. 1,634,530; July 5.
Drainer. H. M. Bridges. 1,634,705; July 5.
Drawbar reverse lock. V. H. Jackson. 1,634,501; July 5.
Dress. R. Lemoine. Des. 73,001; July 5.
Dress. M. Rochas. Des. 73,011; July 5.
Dress. M. Siegel. 73,013; July 5.
Drier: *See*—
Centrifugal drier.
Drier. R. R. Morrill. 1,634,882; July 5.
Drill: *See*—
Core drill.
Drill socket. W. Kismaier. 1,634,716; July 5.
Drills, Operating track. E. J. Honl. 1,634,948; July 5.
Drilling apparatus, Well-. W. Sheldon. 1,634,917; July 5.
Drilling bit, Rotary well-. G. Gartling. 1,634,869; July 5.
Drilling machines, Go-around tongs for. J. W. Champion. 1,635,031; July 5.
Driving connection. C. Schramm and P. F. Vokal. 1,634,886; July 5.
Drop-feeding device. A. L. Schram. 1,634,560; July 5.
Drug mixer. W. N. Shaw. 1,634,563; July 5.
Drum, Collapsible. F. D. Mason. 1,634,951; July 5.
Dry-steam sleeve board. I. W. Cox. 1,634,471; July 5.
Drying system, Air-. H. C. Cole. 1,634,931; July 5.
Dynamo. J. G. Campbell. 1,634,770; July 5.
Easel. H. G. Huebner. 1,634,715; July 5.
Easel mount, Foldable. J. A. Cameron. 1,635,030; July 5.
Educational apparatus. J. O. B. Jacobsen. 1,634,289; July 5.
Educational device. M. A. Gaines. 1,634,713; July 5.
Electric battery and making the same. E. Powers. 1,634,850; July 5.
Electric current in a three-wire circuit, Measuring the flow of. S. L. B. Lines. 1,634,546; July 5.
Electric elevator. T. F. Scollard. 1,634,854; July 5.
Electric grate. I. M. Marks. Des. 73,005–6; July 5.
Electric-light housing. C. W. Dake. 1,634,399; July 5.
Electric-lighting fixtures or similar articles, Canopy for. J. A. Boehringer. Des. 72,978; July 5.
Electric machine, Dynamo-. H. T. Lang. 1,635,047; July 5.
Electric motor. H. K. Sandell. 1,634,852; July 5.
Electric switch. G. L. Cragg. 1,634,455; July 5.
Electric switch. H. A. Douglas. 1,634,408; July 5.
Electric switch. W. Ile. 1,635,044; July 5.
Electric switch. J. H. Nelson. 1,634,432; July 5.
Electrical contacts, Adjusting. L. L. Nettleton. 1,634,381; July 5.
Electrical-fixture hanger. J. E. Hummell. 1,634,578; July 5.
Electrical terminal. E. Schenk. 1,634,689; July 5.
Electrical translating device. L. O. Grondahl. 1,634,420; July 5.
Electrode. G. R. Lewers. 1,634,372; July 5.
Electrode holder. L. E. Muller. 1,634,957; July 5.
Electroplating machine. E. B. Powell. 1,634,849; July 5.
Elevator: *See*—
Electric elevator.
Engine: *See*—
Internal-combustion engine.
Engine. T. S. Miller. 1,634,912; July 5.
Engine. H. E. Muchnic. 1,634,335; July 5.
Engine-cylinder valve port and stem-guide structure. G. D. Angle. 1,635,023; July 5.
Engine lubrication. C. E. Bonner. 1,634,768; July 5.
Engine starters, Drive for. C. Ringwald. 1,634,515; July 5.
Engine-starting apparatus. W. A. Chryst. 1,634,738; July 5.
Engine-starting apparatus. F. C. Kroeger. 1,634,751; July 5.
Engine with cylinders arranged in two opposite lines, Internal-combustion. J. J. M. Bertrand and L. J. H. Solanet. 1,634,866; July 5.
Engine working with an injection air compressor, Four-cycle internal-combustion. F. Müller. 1,634,468; July 5.
Engines, Cooling system for internal-combustion. W. W. Muir. 1,634,844; July 5.
Engines, Lubrication of sleeve-valve. W. S. Fisher. 1,634,826; July 5.
Engines, Manifold for multicylinder internal-combustion. A. P. Brush. 1,634,823; July 5.
Engines, Tappet for internal-combustion. W. Stevenson. 1,634,276; July 5.
Engines, Valve gear for power. J. Buchli. 1,634,736; July 5.
Engines, Valve-port arrangement for internal-combustion. G. D. Angle and H. E. Morehouse. 1,634,971; July 5.
Ester-resin composition and preparation. J. G. E. Wright and W. J. Bartlett. 1,634,969; July 5.
Extractor: *See*—
Fruit-juice extractor. Overdriven extractor.
Extractor control. E. J. Carroll. 1,634,452; July 5.
Eyeglass construction. G. E. Nerney. 1,635,138; July 5.
Eyeglass construction. W. H. Siddall. 1,635,142; July 5.
Eyepiece-prism combination for use in range finders of the self-contained base type. J. M. Strang. 1,634,695; July 5.
Fabric: *See*—
Woven fabric.
Fabric-weaving machine. J. E. Fefel. 1,634,413; July 5.
Fabrics, Fastener for. H. Menges. 1,634,622; July 5.
Facial composition. M. Bucci. 1,634,974; July 5.
Fan. A. Pajalic. 1,634,554; July 5.
Fare box. H. J. Baur. 1,634,441; July 5.
Fastening covers, Device for. G. Lake. 1,634,619; July 5.
Faucet. F. J. Herman. 1,635,123; July 5.
Faucet. B. L. Mallory. 1,634,672; July 5.
Faucet or valve. R. A. Card. 1,634,771; July 5.
Feeders, Distribution system for selective connections thereto of. N. Togami. 1,634,601; July 5.
Fenceposet. C. Colvin. 1,634,739; July 5.
File. A. Bushnell. 1,634,450; July 5.
Filled gummed cloth and making the same. C. H. Crowell. 1,634,710; July 5.
Film cut-out. H. E. Butler. 1,635,029; July 5.
Filter, Water. C. Hungerford. 1,634,783; July 5.
Fire extinguisher. G. W. Burke, jr. 1,634,975–6; July 5.
Fire-protective device. A. J. Loepsinger. 1,634,838; July 5.
Fire-stripping machine. W. C. Stevens. 1,634,920; July 5.
Flatiron. J. W. Myers. 1,634,431; July 5.
Flatirons, control for electric. J. Harper. 1,635,041; July 5.
Flexible coupling. C. F. Taylor. 1,634,965; July 5.
Floodgate and controllable headgate, Convertible automatic. K. J. Thornby. 1,634,697; July 5.
Flooring, Terrazzo. B. O. A. De Paoli. 1,634,653; July 5.
Flotation separating process. E. A. Hall and G. R. Sanders. 1,634,615; July 5.
Flow meter. E. N. Fales. 1,635,040; July 5.
Fluid, Quenching. G. M. Ball. 1,635,025; July 5.
Folding table. M. A. Davis. 1,634,572; July 5.
Foot support. H. R. Rogers. 1,634,516; July 5.
Footwear, Rubber. H. C. Harrison. 1,634,540; July 5.
Forge, Electric. G. A. E. Jones. 1,634,365; July 5.
Fortress, Interior. C. H. Strouse. 1,634,598; July 5.
Frame for photographs, display cards, and the like. J. K. Straus. 1,634,921; July 5.
Framing device. A. D. Brixey. 1,634,769; July 5.
Friction-cap machine. A. Podel. 1,634,728; July 5.
Fruit and other articles, Machine for wrapping. R. A. Dickinson. 1,635,035; July 5.
Fruit-juice extractor. F. Ensslé. 1,634,774; July 5.
Fruit preserves, Method and manufacture of. W. B. McLaughlin. 1,634,295; July 5.
Fuel heater. L. C. Weinberg. 1,634,968; July 5.
Fumigating apparatus. P. M. Gross and R. B. Arnold. 1,634,354; July 5.
Furnace: *See*—
Heating furnace. Normalizing furnace.
Furnace casing. C. D. Hyatt. 1,634,543; July 5.
Furnace for electrical treatment of gases for the purpose of oxidation of atmospheric nitrogen or for other purposes. B. Thomas. 1,634,311; July 5.
Furnaces, Burner for. W. G. Bergman. 1,634,445; July 5.
Furnaces, Electrode control for arc. T. F. Baily. 1,634,483; July 5.
Furniture. F. E. Moore. 1,634,551; July 5.
Fuse plug and socket. C. B. Jones. 1,634,905; July 5.
Fuse plug, Renewable. H. J. Wheeler. 1,634,810; July 5.
Game apparatus. C. H. Wilkins. 1,635,020; July 5.
Game, Baseball. P. J. Mattern and H. N. Walker. 1,634,296; July 5.
Game board. I. Rosen. Des. 73,012; July 5.
Game device. J. Stierl. 1,634,564; July 5.
Game projectile. W. C. Campbell. 1,634,451; July 5.
Garment. M. F. Dodge. 1,635,036; July 5.
Garment. P. Halperin. 1,634,829; July 5.
Gas-igniting device. S. J. Woods. 1,635,104; July 5.
Gas, Method of and apparatus for quantitative determination of. E. P. Mase. 1,634,331; July 5.
Gas tanks and radiators, Closure cap for. L. E. Fogel. 1,634,775; July 5.
Gasoline-dispensing stand. N. Henningsen. 1,634,541; July 5.
Gauge: *See*—
Ring gauge.
Gearing, Reduction. B. C. Allen. 1,634,863; July 5.
Generator: *See*—
Current generator. Water-gas generator.
Steam generator.
Generators, Operating water-gas. F. A. Howard. 1,634,833; July 5.
Glass: *See*—
Drawing sheet glass.
Glass cutter. A. T. Fletcher. 1,634,323; July 5.
Glass, Drawing sheet. J. B. Small and F. J. Kincaid. 1,634,802; July 5.
Glazing machine, Chain-drive. D. E. Harding. 1,635,081; July 5.
Golf accessory. P. A. Czichos. 1,634,652; July 5.
Golf club. C. Rigby. 1,634,887; July 5.
Grading sand and grinding glass, Apparatus for. J. W. Cruikshank. 1,634,254; July 5.

Gramophones and similar instruments, Sound box for. W. E. Nayler. 1,634,380; July 5.
Grate, Furnace. J. H. Fryer. 1,634,991; July 5.
Gravity table. L. Nagy. 1,634,267; July 5.
Grinder. H. E. S. Chayes. 1,634,708; July 5.
Grooving and reenforcement-supporting device and process. P. J. McInerney. 1,634,262; July 5.
Gun barrel. N. E. Methlin. 1,634,754; July 5.
Gun sight for night use. H. O. Russell and C. L. Paulus. 1,635,059; July 5.
Guns, Single-trigger mechanism for multiple-barreled. D. W. Franchot. 1,634,415; July 5.
Hair-cutting device. N. McGlashan. 1,634,788; July 5.
Hammer, Air-cooled pneumatic. C. H. Haeseler. 1,634,780; July 5.
Hammer, Bush. J. J. Padbury. 1,634,298; July 5.
Hammer, Fluid-pressure-operated. E. W. Stevens. 1,634,729; July 5.
Hammer, Power. H. H. Miller. 1,634,623; July 5.
Handle: *See*—
Door handle.
Hanger: *See*—
Clothes hanger. Radiator hanger.
Brake-beam safety hanger. Trousers hanger.
Electrical-fixture hanger.
Hanger. A. Montan and H. W. Falstrom. 1,634,377; July 5.
Hat-tree. A. F. Allen. Des. 72,974; July 5.
Headlight. W. R. Du Breuil. 1,635,116; July 5.
Headlight, Auxiliary. H. G. Smith. 1,634,694; July 5.
Headlight, Dirigible. G. S. Keck. 1,634,580; July 5.
Headlight mechanism, Dirigible. J. S. Rowley, J. W. Riggles, and H. E. McCully. 1,634,630; July 5.
Headlights, Operating mechanism for dirigible. T. P. Salley. 1,635,097; July 5.
Heat interchanger. N. H. Hiller and E. B. McCabe. 1,634,714; July 5.
Heater: *See*—
Fuel heater. Water heater.
Tank heater.
Heater. L. W. Millis. 1,634,265; July 5.
Heater for transformer oil. D. G. McArn. 1,634,719; July 5.
Heaters, Isothermal combustion control for oil-burning. J. L. Breese, jr. 1,634,448; July 5.
Heating and drying device. F. J. Cook. 1,634,649; July 5.
Heating furnace. E. E. Carroll and F. B. Culbertson. 1,634,706; July 5.
Heating roller, Massaging. E. Becher. 1,634,316; July 5.
Heels, Resilient lift for boot and shoe. C. Emanuele. 1,634,537; July 5.
Hinge, Cellar-door. H. Blum. 1,635,107; July 5.
Hinge, Gate. A. L. Panoch. 1,634,337; July 5.
Hinges, Attachment means for. W. Marshall. 1,634,839; July 5.
Hoist. B. P. Joyce. 1,635,162; July 5.
Hoisting apparatus. C. E. Allison. 1,634,529; July 5.
Hollow ware, Contrivance for rolling zinc and other sheet-metal. J. Gronefeld. 1,634,661; July 5.
Horn, Concert. J. Heald. 1,634,355; July 5.
House: *See*—
Bird house.
Humidifier. A. S. Nichols. 1,634,552; July 5.
Hydrocarbons, Cracking of. E. C. Herthel and H. L. Pelzer. 1,634,666; July 5.
Ice-cream can and the like, Reversible. A. Bray. 1,634,569; July 5.
Identification device. J. Griesinger. 1,634,419; July 5.
Ignition apparatus. W. A. Chryst and J. H. Hunt. 1,634,737; July 5.
Ignition magneto. W. W. Hawkins. 1,634,574–5; July 5.
Impeller balancing and sealing device. H. F. Benson. 1,634,317; July 5.
Implements, Unitary frame for farm. A. R. Coon. 1,634,650; July 5.
Incinerator. E. Kener, jr. 1,634,998; July 5.
Inclinometer. J. S. Donaldson. 1,634,934; July 5.
Incubator. J. F. MacKay. 1,634,909; July 5.
Incubators, Temperature regulator for. J. L. Davis. 1,634,401; July 5.
Indicator: *See*—
Speed indicator.
Indicator. J. Klasnich. 1,635,128; July 5.
Ingot mold. R. C. Krause. 1,634,999; July 5.
Insect trap. A. D. Cardinet. 1,634,648; July 5.
Internal-combustion engine. W. J. Gannet. 1,634,901; July 5.
Internal-combustion engine. F. J. Oakes. 1,634,681; July 5.
Internal-combustion engine, Rotary. R. L. Pannell. 1,634,269; July 5.
Iron: *See*—
Puff iron.
Ironing board. W. L. McGowan. 1,634,294; July 5.
Ironing machine. W. A. Frantz. 1,634,353; July 5.
Ironing machine. W. H. Sumbling. 1,634,523; July 5.
Ironing machine, Shirt-. A. J. Dreher and D. H. Benjamin. 1,634,654; July 5.
Ironing table, Built-in. W. D. Johnston and G. M. Sullivan. 1,634,426; July 5.
Jack: *See*—
Automobile jack.
Joint drain, Expansion-. D. B. Luten. 1,634,549; July 5.
Joint form. P. J. McInerney. 1,634,263; July 5.
Joints of drier cylinders and the like, Packing device for steam. A. Birch. 1,634,821; July 5.
Journal boxes, Lateral-motion bearing for. A. F. Hoegg. 1,635,124; July 5.
Kafir corn, maize, and the like, Heading and loading. C. T. Barker. 1,635,106; July 5.
Keg-closing device, Lead-. W. F. Butler. 1,634,488; July 5.
Keyboard cleaner. I. Kirsner. 1,635,127; July 5.
Knitting machine. K. Howie. 1,634,874; July 5.
Knitting-machine elements, Positioning device for. A. E. Page. 1,634,682; July 5.
Laminated products, Manufacturing. C. M. Hargrave. 1,634,830; July 5.
Lamp. V. R. Gersmehl. Des. 72,996; July 5.
Lamp. W. H. Wood. 1,634,528; July 5.
Lamp, Cowl. H. A. Douglas. 1,634,403; July 5.
Lamp, Electric. M. Gordon. Des. 72,997; July 5.
Lamp, Electric. W. Hermann. 1,634,832; July 5.
Lamp guard. A. G. Urbahns. 1,634,439; July 5.
Lamp, Marine. L. E. Perkins. 1,634,469; July 5.
Lamp, Road-light. F. O. Farwell. 1,634,657; July 5.
Lamp shade. R. Levy. 1,634,545; July 5.
Lamp-socket switch. D. D. Gordon. 1,634,418; July 5.
Lantern wheel for clocks and other purposes, Method and apparatus for making. H. Klenzle. 1,634,906; July 5.
Lapping machine and truing the lapping elements. W. F. Fraser. 1,634,745; July 5.
Lasting machine. F. N. La Chapelle. 1,634,503; July 5.
Lasting machine. C. F. Pym. 1,634,511; July 5.
Lasts and shoes, Machine for separating. M. F. Brogan. 1,634,487; July 5.
Latch. F. M. Vandervoort. 1,634,636–7; July 5.
Latch and keeper means. C. L. Crooks and F. M. Vandervoort. 1,634,635; July 5.
Latch and keeper means. F. M. Vandervoort. 1,634,634; July 5.
Latex, Manufacture of molded articles from. C. C. Loomis and H. E. Stump. 1,634,293; July 5.
Lathe. H. W. Melling. 1,634,550; July 5.
Lathes, Counterbalance for. L. C. Cole. 1,634,396; July 5.
Laundry apparatus. W. A. Frantz. 1,634,539; July 5.
Lawn sprinkler. U. G. Knauff. 1,634,261; July 5.
Lens holder, Binocular-magnifying-. G. L. Tully. 1,635,062; July 5.
Level. L. B. Coryell. 1,635,034; July 5.
Lifter: *See*—
Utensil lifter.
Lighting fixture. N. Lipsky. Des. 73,002; July 5.
Lighting fixture. S. Shapiro. 1,634,561; July 5.
Lighting fixtures, Bracket back for. G. E. Villaret. Des 73,015; July 5.
Lighting fixtures, Finial for. J. A. Boehringer. Des. 72,976–7; July 5.
Lighting fixtures or similar articles, Body frame for. J. A. Boehringer. Des. 72,979; July 5.
Lighting fixtures or similar articles, Strap for. J. A. Boehringer. Des. 72,980; July 5.
Lime hydrate, Producing improved. W. K. Hunter. 1,634,424; July 5.
Line holder. W. F. Polson. 1,634,436; July 5.
Link, Interlocking. S. J. Bens. 1,634,643; July 5.
Liquid-dispensing apparatus. C. R. McDonald and A. E. Bevan. 1,634,874; July 5.
Liquid-dispensing device. A. D. Hutton. 1,634,579; July 5.
Lock: *See*—
Automobile lock. Drawbar reverse lock.
Bedstead corner lock. Nut lock.
Door lock.
Lock. C. Dietrich. 1,634,825; July 5.
Lock. E. G. Pryor. 1,634,755; July 5.
Lock for vault doors, Combined electrical and mechanical safety. W. C. Dillon. 1,635,075; July 5.
Lock spindle. F. Netschert. 1,634,845; July 5.
Locks to doors, etc., Device for use in applying. G. Hobbisiefken. 1,634,667; July 5.
Locomotive. H. Wirth. 1,634,526; July 5.
Locomotive-crosshead guide. L. L. Neebe. 1,635,054; July 5.
Locomotive main rod. J. Kindervater. 1,634,784; July 5.
Loom. W. H. Baker. 1,634,818; July 5.
Loom movement. F. Roland. 1,634,915; July 5.
Looms, Cloth-roll mounting for. W. H. Baker. 1,635,024; July 5.
Lubricant retainer or dust cover. S. J. Bens. 1,634,642; July 5.
Lubricating apparatus. F. E. Evans. 1,634,458; July 5.
Lubricating system. E. H. Belden. 1,634,820; July 5.
Luggage carrier. J. F. Martin. 1,634,590; July 5.
Machine for dispensing articles. S. Sambor. 1,634,916; July 5.
Magnet, Slow. N. E. Norstrom. 1,635,005; July 5.
Magnetos, Actuating means for. A. C. Kleckner. 1,634,584; July 5.
Mandrel, Riveting. F. Stapp. 1,634,521; July 5.

Marker. L. P. Lewis and W. Morgenthaler. 1,635,089; July 5.
Marker, Sod-line. A. Hedrick. 1,634,421; July 5.
Mast, Collapsible. H. Price. 1,634,595; July 5.
Mast, Mooring. I. F. Fravel. 1,634,989; July 5.
Match packet and pad, Combination. W. Friedman. 1,634,712; July 5.
Meat tenderer. W. W. Myers. 1,635,053; July 5.
Mechanical movement. J. E. Carroll. 1,634,453; July 5.
Merry-go-round. G. A. Bluthardt. 1,635,108; July 5.
Metal, Apparatus for rolling. J. F. Halpin. 1,634,258; July 5.
Metal articles, Method and apparatus for heat-treating. T. F. Callaghan. 1,634,319; July 5.
Metal in open-hearth and like furnaces, Agitating and stirring molten. J. Edwards. 1,635,037; July 5.
Metal seam, Sheet. J. A. Lachaine. 1,634,947; July 5.
Metal sheeting. R. R. Bloss, H. T. Strout, and H. R. Ansel. 1,634,157; July 5.
Metallic elements, Connecting. R. Mattice. 1,634,674; July 5.
Metallic packing, Machine for manufacturing. H. P. Rhodes and E. F. Kreiter. 1,634,556; July 5.
Metallurgical process. W. E. Greenawalt. 1,634,497; July 5.
Meter: *See*—
Flow meter.
Meters, Movement-converting device for. L. A. Lafin. 1,634,785; July 5.
Milk-bottle cover. A. Strand. 1,634,806; July 5.
Milk separator, Centrifugal. P. M. Sharples. 1,634,759; July 5.
Mineral separator. G. R. Delamater. 1,634,898; July 5.
Mirror, Adjustable. J. J. Obrien. 1,634,583; July 5.
Mirror, Automobile. E. Ischinger. 1,634,748; July 5.
Mixer: *See*—
Drug mixer.
Mold: *See*—
Ingot mold.
Mold-facing device. W. D. Moore. 1,634,266; July 5.
Molds for molding stone pattern plates, Producing sand. K. Werner. 1,634,731; July 5.
Molds, Overjacket for. A. Diehl. 1,635,074; July 5.
Molding machine. M. Mensel. 1,634,753; July 5.
Monogram. J. E. Erskine. 1,635,077; July 5.
Mop. L. C. Kellogg. 1,634,260; July 5.
Mop and duster. J. M. Lester. 1,634,907; July 5.
Mothproofed article. M. G. Minaef and A. P. Sachs. 1,634,794; July 5.
Mothproofing. M. G. Minaeff and A. P. Sachs. 1,634,790; July 5.
Mothproofing. M. G. Minaeff. 1,634,793; July 5.
Mothproofing composition. M. G. Minaeff. 1,634,791; July 5.
Mothproofing composition. M. G. Minaeff. 1,634,792; July 5.
Motor: *See*—
Current motor. Spring motor.
Electric motor.
Motor drive, Outboard-. H. J. Hillborn. 1,634,942; July 5.
Motor heat indicator. H. H. Boyce. Des. 72,981–84; July 5.
Mower. A. McKellar. 1,635,050; July 5.
Musical instrument, Stringed. F. Travaglini. 1,634,730; July 5.
Name plates and other articles, Attaching means for. A. H. Eddy. 1,634,937; July 5.
Name plates and the like, Securing. A. H. Eddy. 1,634,936; July 5.
Necktie, Adjustable. S. Fine and H. Dworkin. 1,634,414; July 5.
N-dihydro-1-2-2'1'anthraquinoneazine, Making. L. H. Ulich and R. J. Goodrich. 1,634,473; July 5.
Needle, Knitting-machine. J. Hull. 1,634,423; July 5.
Needle rest. J. Wolff. 1,634,702; July 5.
Normalising furnace. W. J. Stoop. 1,634,858; July 5.
Nut lock. I. L. Edwards. 1,634,744; July 5.
Nut lock. D. Rich. 1,634,629; July 5.
Nut, Self-locking. A. G. E. Hultgren and J. H. E. Thorén. 1,635,082; July 5.
Oar, Bow-facing. E. Bechle. 1,634,282; July 5.
Oil burner. S. W. Bates. 1,634,819; July 5.
Oil burner. F. F. Bennett. 1,634,443; July 5.
Oils, Preparing an adsorbent for. W. D. Rial and E. W. Gard. 1,634,514; July 5.
Ores, Gravity separator for garnet. F. B. Burns. 1,635,111; July 5.
Ornament. L. V. Aronson. 1,634,251; July 5.
Outlet. H. T. Palste. 1,635,056; July 5.
Overdriven extractor. E. J. Carroll. 1,634,707; July 5.
Oxychloride cement and making same. W. J. McCaughey. 1,634,505; July 5.
Oxygen respiratory apparatus. C. von Hoff. 1,635,101; July 5.
Packing device. W. A. Trout. 1,634,891; July 5.
Paint. J. R. Bristow. 1,635,110; July 5.
Paint and plastic substance. S. I. Robinson. 1,635,095; July 5.
Pan: *See*—
Conveyer pan.
Pan and grate therefor, Sintering. G. L. Shook. 1,634,272; July 5.
Panels, Operating apparatus for vertically-sliding. C. T. Weymann. 1,634,861; July 5.
Paper formation and weight indicator. R. A. Steffen. 1,634,344; July 5.
Paper from straw and product, Making. C. D. Wood. 1,634,603; July 5.
Paper-making machine. F. A. Peschl. 1,634,885; July 5.
Paper strips with thinned edges, Method and apparatus for making. J. G. Jones. 1,634,997; July 5.
Paper tube. C. K. Dunlap. 1,634,492; July 5.
Parking device. C. Spiro. 1,634,808; July 5.
Pasting machine. E. E. Sabin. 1,634,519; July 5.
Paving materials, Treating asphaltic. P. J. McInerney. 1,634,264; July 5.
Peanut digger. G. D. Grizzard. 1,634,660; July 5.
Pectin products, Manufacture of. D. R. Nanji and F. J. Paton. 1,634,879; July 5.
Pen, Fountain. O. B. Hjorth. 1,634,618; July 5.
Pen or pencil clip. C. C. Chrisman. 1,634,772; July 5.
Percussive device. A. I. Woodring. 1,634,927; July 5.
Perforating machines, Combination die for use in. W. F. Lautenschlager. 1,634,752; July 5.
Periscope, Vehicle. L. Sadler. 1,635,011; July 5.
Phosphorus nitride and certain halides from raw materials, Continuously producing. C. G. Miner. 1,634,796; July 5.
Phosphorus nitride and certain readily-volatile halides, Producing. C. G. Miner. 1,634,795; July 5.
Photographic-printing machine. G. A. Smith. 1,635,014; July 5.
Photographs and the like, Embossing appliance for. H. A. E. Kraft. 1,634,466; July 5.
Photoprinting. E. F. Flammer and H. E. Silliman. 1,634,658–9; July 5.
Pianos, Sound board for. G. H. Jones. 1,634,669; July 5.
Picker: *See*—
Cotton picker.
Picture films, Method and apparatus for printing motion-. F. R. Miller. 1,634,297; July 5.
Pictures, Transmitting. E. Belin. 1,635,027; July 5.
Pillow top. J. Derk. Des. 72,992; July 5.
Pipe: *See*—
Tobacco pipe.
Planing machine, Shingle-. C. J. Melby. 1,634,789; July 5.
Plant for bleaching and like purposes. C. B. Thorne. 1,634,388; July 5.
Plants, Developing and transplanting. W. O. Roy. 1,634,727; July 5.
Plaster material, Manufacture of. O. Gerlach. 1,634,459; July 5.
Plow, Gang disk. S. D. Walton. 1,635,019; July 5.
Plug and making same, Washout. S. W. Elstone. 1,634,655; July 5.
Polisher, Floor. A. F. Steiert and O. W. Linke. 1,635,016; July 5.
Powder dispenser. G. E. Neckles. 1,635,139; July 5.
Power-operated machines, Controller for. F. H. Oberschmidt. 1,634,882; July 5.
Power plant. E. R. Newton. 1,634,797; July 5.
Power-transmission control mechanism, Automatic. O. E. Mark. 1,634,504; July 5.
Power-transmission unit. F. Miller. 1,634,376; July 5.
Power wrench. R. A. Wilson. 1,634,602; July 5.
Precipitating and filtering, Apparatus for. L. D. Mills and T. B. Crowe. 1,634,720; July 5.
Press for printing, embossing, or the like. R. P. Link. 1,635,132; July 5.
Pressure-responsive device. D. M. Reeves. 1,634,961; July 5.
Printing apparatus. O. Sivertzen. 1,634,855; July 5.
Propeller. J. Barton. 1,634,393; July 5.
Propeller. A. Harper and S. A. Harper. 1,634,616; July 5.
Propeller. H. Malm. 1,634,829–30; July 5.
Pruning shear. N. C. Perrakis. 1,634,848; July 5.
Puff iron. H. C. Holden. 1,634,668; July 5.
Pulley. W. A. Coventry. 1,634,773; July 5.
Pulley. C. C. Spreen. 1,634,438; July 5.
Pulley, Expansion. R. H. Garver. 1,634,285; July 5.
Pulley, Line. A. W. Taylor. 1,635,145; July 5.
Pump. R. Borletti. 1,634,867; July 5.
Pump. C. I. Chambers. 1,635,148; July 5.
Pump. W. Oliver. 1,635,006; July 5.
Pump. T. C. Whitehead. 1,634,811; July 5.
Pump, Centrifugal. V. Schleyer. 1,634,804; July 5.
Pump, Multiple-stage. W. Ferner. 1,634,279; July 5.
Pumping beam. H. G. Durnell. 1,635,118; July 5.
Purifying mechanism and method. A. E. Wilson. 1,634,893; July 5.
Puzzle. J. S. Allen. 1,635,022; July 5.
Race-course construction. J. F. Jennings. 1,634,326; July 5.
Rack: *See*—
Cartridge rack. Rod rack.
Display rack. Towel rack.
Radiator. C. S. Carlberg. 1,634,252; July 5.
Radiator. S. R. Chilson. 1,634,824; July 5.
Radiator construction. T. C. Whitehead. 1,634,812; July 5.
Radiator hanger. C. H. Cobb. 1,634,981; July 5.
Radio apparatus. L. B. Cogswell. 1,634,896; July 5.
Radio broadcast distributing system. E. E. Clement. 1,635,156–8; July 5.
Radio broadcast distribution, Subdivided service system of. E. E. Clement. 1,635,153; July 5.

Radio broadcast selecting and distributing system. E. E. Clement. 1,635,152; July 5.
Radio distributing system. E. E. Clement. 1,635,151; July 5.
Radio receiving sets, Station-selector dial for. M. Nystrom. 1,634,625; July 5.
Radio receiving system. R. Sachtleber. 1,634,962; July 5.
Radio service metering system. E. E. Clement. 1,635,154–5; July 5.
Radium emanation in fluids, Process of and apparatus for dissolving. A. Cervi. 1,635,113; July 5.
Raft, Automatically-discharging. G. W. Roberts. 1,634,888; July 5.
Rail anchor and tie plate, Combined. W. P. Hesterly. 1,634,994; July 5.
Rail bonds, Terminal structure for. K. J. Mosebach. 1,634,678; July 5.
Rail joints, Composite wear plate for. C. A. Disbrow. 1,634,742; July 5.
Rail oiler. H. A. Reed and F. J. Reilly. 1,634,513; July 5.
Rail spreader. F. W. Harris. 1,634,664; July 5.
Railway-crossing signal and bar, Automatic. S. P. Smith. 1,635,143; July 5.
Railway frog. A. L. Vissat. 1,634,638; July 5.
Railways, Cattle guard for. J. F. Hollenback. 1,634,872; July 5.
Razor-blade holder. R. J. Stapf. 1,634,387; July 5.
Razor-hone holder. F. J. Mirgon. 1,634,881; July 5.
Reactor. J. S. Hebrew and E. E. Ross. 1,635,042; July 5.
Reamer. J. R. Aulenback. 1,635,067; July 5.
Reamer, Expanding. S. Welsby. 1,635,103; July 5.
Receptacle. S. B. Girdler. 1,634,777; July 5.
Receptacle. L. A. Marcus. 1,634,876; July 5.
Receptacle, Filing and shipping. H. S. Upjohn. 1,634,699; July 5.
Receptacle-filling apparatus. C. N. Bergmann. 1,635,159–60; July 5.
Receptacle-making machine, Paper. I. Piermattei. 1,635,057; July 5.
Receptacle, Needle. J. Wolff. 1,634,703; July 5.
Receptacle, Safety deposit. E. S. Peer. 1,634,884; July 5.
Record systems, Unit for holding the leaves in visible. H. C. Miller. 1,634,956; July 5.
Rectifying and modulating system. J. C. Schelleng. 1,634,800; July 5.
Reed-saving device, Automatic. O. B. Meyers. 1,635,051; July 5.
Reed trimmer. W. Majeski. 1,635,004; July 5.
Reel: *See*—
Sand reel. Wire reel.
Refractory block. R. J. Himmelright. 1,634,357; July 5.
Refrigerating apparatus. R. W. Davenport. 1,634,400; July 5.
Refrigerating apparatus. F. J. Heldeman. 1,634,831; July 5.
Refrigerating apparatus. T. C. Whitehead. 1,634,813; July 5.
Refrigerating apparatus, Valves fitting for. J. R. Replogle. 1,634,628; July 5.
Refrigerating unit. T. I. Potter. 1,635,058; July 5.
Regulator: *See*—
Tandem wafer regulator. Voltage regulator.
Regulator. J. L. Kimball. 1,634,875; July 5.
Remedy for seasickness. G. N. Banker. 1,634,315; July 5.
Reproducing position. E. M. Hewlett and W. W. Willard. Re16,667; July 5.
Revolving chair. R. F. Stubblebine and J. V. Dolan. 1,634,922; July 5.
Ribbon-reversing mechanism. A. Pateman. 1,634,593; July 5.
Ring: *See*—
Bead-placing ring.
Ring gauge. S. O. Mountford. 1,634,378; July 5.
Ring or similar article of jewelry. G. F. Rider. Des. 73,010; July 5.
Ringer, Composite. S. P. Shackleton. 1,634,271; July 5.
Ripping head. A. J. Johnson, J. Bolleau, and E. A. Findell. 1,634,749; July 5.
Rod: *See*—
Locomotive main rod.
Rod clamp. A. T. Holmes. 1,634,422; July 5.
Rod packing, Apparatus for and method of making. H. C. Snyder. 1,634,520; July 5.
Rod rack. R. M. Tibbetts. 1,634,859; July 5.
Rods, pipes, and the like, Lift for sucker. W. W. Donnelly. 1,634,935; July 5.
Roller: *See*—
Heating roller.
Roller-cutter mounting. C. H. M. Bull. 1,634,318; July 5.
Roofing strip. H. G. Kelly. 1,634,465; July 5.
Rotary bodies, Method of and apparatus for testing the dynamic balance of. C. M. Linley. 1,634,428; July 5.
Rubber, Accelerator for the vulcanization of. G. S. Whitby. 1,634,924–5; July 5.
Rubber sheeting, Making patterned. T. J. Mell. 1,634,955; July 5.
Rubber-vulcanization process. C. O. North. 1,634,336; July 5.
Ruling machine. F. Merensky. 1,634,880; July 5.
Safes, Locking mechanism for. H. M. Dalton. 1,634,933; July 5.
Sand bag. E. Nestler. 1,635,094; July 5.
Sand reel. C. F. Fernald. 1,634,988; July 5.
Sand separator. A. G. J. Rapp. 1,634,385; July 5.
Sash fastener. G. O. Briggs. 1,634,350; July 5.
Sash support, Window. W. L. Thomas. 1,634,599; July 5.
Sawing machine. D. C. Slaght. 1,634,692; July 5.
Scale. L. Linwood. 1,635,090; July 5.
Scalp-patting device. T. F. Homan. 1,634,873; July 5.
Scarf, Table. J. Derk. Des. 72,993; July 5.
Scissors, shears, etc., and cutter therefor, Composite blade for. I. Patrick. 1,634,508; July 5.
Scoring machine. J. F. Peters. 1,634,509; July 5.
Screen: *See*—
Door or window screen. Window screen.
Screen conveyer. W. M. Schwartz. 1,634,963; July 5.
Sealing cap and package. G. Ramsey. 1,634,724; July 5.
Sealing device, Dispensing container. C. D. Henriques. 1,635,122; July 5.
Searchlight. T. Hall. 1,634,663; July 5.
Seat: *See*—
Window seat.
Secretary. O. B. Bach. Des. 72,975; July 5.
Separator: *See*—
Milk separator. Sand separator.
Mineral separator.
Septic tank. A. L. Hepler. 1,634,871; July 5.
Shade-roller holder and curtain-rod bracket. K. Jakubiec. 1,634,364; July 5.
Shaft coupling. F. D. Holdsworth. 1,634,499; July 5.
Shaft coupling, Flexible. E. E. Greve. 1,634,940; July 5.
Shaping machine, Upper. A. F. Pym. 1,634,510; July 5.
Sharpener, Band-saw. O. H. Banker. 1,634,281; July 5.
Shear. J. A. Smitmans. 1,634,275; July 5.
Shears: *See*—
Pruning shears.
Sheave, Wheel or sprocket. S. J. Bens. 1,634,646; July 5.
Sheet straightener. C. A. Dickhaut. 1,634,984; July 5.
Shingles, Lock butt for asphalt. N. R. Bartlett. 1,634,972; July 5.
Shock-absorbing means. F. J. Stolpe. 1,634,522; July 5.
Shocker attachment. C. W. Tyson. 1,634,906; July 5.
Shoe. S. J. Allen. 1,634,816; July 5.
Shoe and method of manufacture. L. L. Comeau. 1,634,397; July 5.
Shoe heel. W. H. Nutt. Des. 73,007; July 5.
Shoe-sole presses, Band press for. C. L. Huntoon. 1,634,996; July 5.
Shoe, Sporting. L. Deschamps. 1,634,611; July 5.
Shoes, Last for making. S. J. Allen. 1,634,815; July 5.
Show case. J. Williams. 1,634,732; July 5.
Shutter opening and closing device. J. C. Poetz. 1,635,008; July 5.
Sign, Advertising. J. E. Bollman. 1,634,568; July 5.
Sign holder. M. Dyer. 1,634,743; July 5.
Signs to materials, Producing and affixing. F. Hart. 1,634,617; July 5.
Signal: *See*—
Tire signal. Traffic signal.
Signal-receiving system. F. W. Dunmore. 1,635,117; July 5.
Signal switch. G. J. Tockwin. 1,634,347; July 5.
Signaling system. E. M. Hewlett and W. W. Willard. 1,634,941; July 5.
Signaling system. R. Hill. 1,634,287; July 5.
Silk-dressing machine. H. White. 1,634,476; July 5.
Silk, Treating tussah. W. H. Schweitzer. 1,634,757; July 5.
Silos, Elevator for. I. K. Kreider. 1,634,585; July 5.
Siphon, Automatic. J. F. Rottger. 1,634,818; July 5.
Skating rink, Ice. G. C. Funk. 1,634,938; July 5.
Skew arch. D. B. Luten. 1,634,548; July 5.
Skylight. F. Hoefel. 1,634,288; July 5.
Snap switch. T. A. Both. 1,634,822; July 5.
Snowplow. L. Martin. 1,634,673; July 5.
Snowplow, Automobile. J. Hojnowski. 1,635,043; July 5.
Sound-amplifying instrument. R. Rodriguez. 1,634,340; July 5.
Sound-reproducing apparatus. M. M. Gruber. 1,634,662; July 5.
Sound, Transmission of. K. M. Lederer. 1,634,292; July 5.
Spagnetti and similiar foods, Cooking. J. McGowan, jr. 1,634,332; July 5.
Spark gap. H. H. Osborn. 1,634,627; July 5.
Speed indicator, Ground-. R. Kauch. 1,635,045; July 5.
Speed-responsive instruments, Drive for. A. F. Wallbillich. 1,634,565; July 5.
Spike machine, Automatic. G. Weber. 1,634,567; July 5.
Spindle: *See*—
Lock spindle.
Spindle attachment, Surfacing-machine. A. E. Maynard. 1,634,952; July 5.
Spinning frames, Stop-motion device for. J. P. Garey and L. B. Hasbrouck. 1,634,614; July 5.
Spokes, Method and apparatus for bending. T. F. Rainsford. 1,634,913; July 5.
Spoon or similar article. H. C. Kirk. Des. 72,909; July 5.

Spray processing apparatus. P. T. Zizinia. 1,634,640; July 5.
Sprayer. A. G. Bulle. 1,635,069; July 5.
Spraying apparatus. J. W. Williams. 1,634,701; July 5.
Spring-cross yieldable coupling. J. J. Serrell. 1,635,150; July 5.
Spring motor. A. M. Babcock. 1,634,864; July 5.
Sprinkler: *See*—
Lawn springler.
Spudding shoe. C. E. Gallman and F. Haire. 1,634,939; July 5.
Stabiliser. A. N. Lucian. 1,634,950; July 5.
Stair covering, Reversible folded. E. Hyman. 1,635,084; July 5.
Stake holder. C. Trevani. 1,634,762; July 5.
Stand: *See*—
Gasoline-dispensing stand. Vise stand.
Stapling machine or tacker. A. H. Maynard. 1,634,840; July 5.
Steam boiler. J. R. Magarvey. 1,634,787; July 5.
Steam generator. H. S. Anderson. 1,634,604; July 5.
Steam generator. G. A. Bryan. 1,634,351; July 5.
Steam plant. E. Constam. 1,634,609; July 5.
Steam superheating unit. T. Larrey. 1,634,670; July 5.
Steering wheels, Brake mechanism for. N. E. Wahlberg. 1,634,474; July 5.
Still, Household. W. J. Carlson and J. J. Lanahan. 1,635,112; July 5.
Stoker, Locomotive. N. M. Lower. 1,634,467; July 5.
Storage battery. W. H. Wood. 1,634,527; July 5.
Stove, Knockdown camp. M. Rotstein and R. Nicholson. 1,634,517; July 5.
Strainer, Well. J. M. Losack. 1,634,547; July 5.
Straps, Making. S. Shapiro. 1,634,562; July 5.
Striker plate, Adjustable. C. J. Williams. 1,634,814; July 5.
Surgical instrument. W. A. Wells. 1,635,066; July 5.
Swaging-mill roll. S. E. Diescher. 1,634,352; July 5.
Swimming bag. H. A Ayvad. 1,634,313; July 5.
Swimming bags, Valve for. H. A. Ayvad. 1,634,314; July 5.
Swinging table. A. Blitz and A. S. Kux. 1,634,929; July 5.
Switch: *See*—
Automatic switch. Signal switch.
Electric switch. Snap switch.
Lamp-socket switch.
Synchronous rectifier. T. C. Lennox. 1,635,001; July 5.
Table: *See*—
Folding table. Ironing table.
Gravity table. Swinging table.
Table ornament or analogous article. P. Cricchio. Des. 72,988; July 5.
Table rail, Draw-. J. L. Drake. 1,634,827; July 5.
Tag. H. A. Johnson. 1,634,544; July 5.
Tandem wafer regulator. A. J. Hermesmeyer. 1,635,083; July 5.
Tank: *See*—
Septic tank.
Tank heater. A. C. Mott, jr. 1,635,052; July 5.
Tanks, Liquid-measuring attachment for. J. E. Boegen. 1,634,608; July 5.
Tanks, Operating handle for flushing. J. M. Teaben. 1,634,524; July 5.
Tanks, vats, and stills, Closure for liquid-holding. A. H. Noyes. 1,634,958; July 5.
Telegraph circuits. J. Herman. 1,634,286; July 5.
Telegraph circuits. R. D. Parker. 1,634,299; July 5.
Telegraph system. H. L. Krum. 1,635,130; July 5.
Telegraph system, Selective. H. L. Krum. 1,635,131; July 5.
Telegraph transmitter. C. L. Krum and H. L. Krum. 1,635,129; July 5.
Telephone attachment. F. W. Hoban. 1,634,325; July 5.
Telephone-exchange system. W. G. Blauvelt. 1,634,734; July 5.
Television, Apparatus for. R. A. Dallugge. 1,634,571; July 5.
Terminal connecter. H. A. Douglas. 1,634,406; July 5.
Terminal, Storage-battery. E. E. Zastrow. 1,634,280; July 5.
Testing apparatus. E. J. Lees. 1,634,328; July 5.
Textile fabric. R. Cocking. Des. 72,985–87; July 5.
Textiles, Manufacture of. C. Dreyfus. 1,634,613; July 5.
Therapeutic device, Electric. R. C. Mann. 1,634,378; July 5.
Thermostatic apparatus. J. W. Myers. 1,634,379; July 5.
Threads, filaments, strips, or films from cellulose esters, Manufacture and production of. L. Clément and C. Rivière. 1,634,980; July 5.
Tile, Apparatus for making. A. C. Dale. 1,634,740; July 5.
Time-lock means. W. T. Benham and J. E. Dwyer. 1,634,928; July 5.
Timers, Insert for. E. G. and J. G. McLeaird. 1,635,092; July 5.
Tire. H. Mann. Des. 73,004; July 5.
Tire carrier. H. A. Weaver. 1,634,278; July 5.
Tire filler. G. F. A. Ochs. 1,634,626; July 5.
Tire-finishing machine. L. E. McCreedy. 1,635,134; July 5.
Tire protector. L. P. C. Lotte. 1,634,589; July 5.
Tire rim. B. J. Zobel. 1,635,105; July 5.
Tire signal. C. W. Ostrom. 1,634,553; July 5.
Tire tape or the like, Machine for wrapping. H. D. Stevens. 1,634,919; July 5.
Tire, Vehicle. N. Costanzo. 1,634,253; July 5.
Tobacco pipe. T. C. Masney. 1,634,375; July 5.
Toggle mechanism. C. S. Reiger. 1,634,684; July 5.
Toilet-seat cover, Sanitary. A. de Luna. 1,635,072; July 5.
Tool brace, Reversible. C. R. Polen. 1,634,300; July 5.
Tool, Drilling. G. Dornes, jr. 1,634,322; July 5.
Tool, Machine. A. R. Brewer. 1,634,534; July 5.
Tool, Machine. C. F. Randolph. 1,634,384; July 5.
Tool, Mining-machine. E. O'Toole. 1,634,434; July 5.
Tool, Portable hand. F. Schneider. 1,634,801; July 5.
Tool, Well-drilling. E. A. Robinson. 1,634,686; July 5.
Tools, Wheel head for machine. J. A. Doane. 1,634,402; July 5.
Toothbrush holder. R. E. Jordan. Des. 72,998; July 5.
Torch tips, Making oxyfuel. E. H. Smith. 1,634,274; July 5.
Towel rack, Reversible. G. E. Harris. 1,634,746; July 5.
Toy. E. Schliederer. 1,634,756; July 5.
Toy aeroplane vehicle. I. G. Nicks. 1,634,846; July 5.
Toy dog. P. De Lemme. Des. 72,991; July 5.
Toy, Gyroscopic. F. M. Pierce. 1,634,470; July 5.
Track construction. B. H. Lampert. 1,634,835; July 5.
Track construction, Sectional. B. H. Lampert. 1,634,836; July 5.
Traction-shoe. W. E. Wine. 1,634,639; July 5.
Traction wheel. K. Probst. 1,634,683; July 5.
Tractor attachment. R. Bollheimer and E. T. Wilkens. 1,634,446; July 5.
Traffic signal. L. C. Browning. 1,634,395; July 5.
Traffic signal for motor vehicles. N. M. Butts, sr. 1,634,978; July 5.
Traffic signal, Vehicle. W. B. Hussar. 1,634,361; July 5.
Train control, Automatic. T. M. Riggle. 1,634,557; July 5.
Train control, Automatic. D. H. Schweyer. 1,634,691; July 5.
Train-pipe connecter, Automatic. J. Robinson. 1,634,851; July 5.
Train, Railway. L. Collis. 1,634,490; July 5.
Transformer. T. D. Adair, jr. 1,634,440; July 5.
Transformer. L. H. Thullen. 1,634,923; July 5.
Transformer. E. A. Wagner. 1,635,064; July 5.
Transforming system. H. K. Sandell. 1,634,853; July 5.
Transmission mechanism. J. M. Ulrich. 1,635,063; July 5.
Transmitter. R. E. Vaughan and W. S. D. Leland. 1,634,967; July 5.
Trap: *See*—
Animal trap. Insect trap.
Drain trap.
Trap and strainer, Liquid. H. A. Hills. 1,634,463; July 5.
Tray or analogous article. P. Cricchio. Des. 72,989; July 5.
Trimmer: *See*—
Reed trimmer.
Trousers hanger. M. S. Clawson. 1,635,033; July 5.
Truck. W. M. Sheehan. 1,634,307; July 5.
Truck. H. B. Walker. 1,635,018; July 5.
Truck, Electric-locomotive. W. M. Sheehan. 1,634,308; July 5.
Truck, Flexible four-wheeled driving. A. R. Meister. 1,634,480; July 5.
Trunk-drawer attachment. J. Ritter, jr. 1,634,302; July 5.
Trunks, Cushion top for wardrobe. W. C. Chesnut. 1,634,820; July 5.
Tube: *See*—
Paper tube.
Tunnel for flight of models, Wind. E. N. Fales. 1,635,038; July 5.
Turbine. D. C. Davis. 1,634,897; July 5.
Turbine-cooling means. R. C. Allen. 1,634,894; July 5.
Turntable center. C. M. Goodrich. 1,634,417; July 5.
Twisting machine. S. A. Reed. 1,635,009; July 5.
Typewriters, Ribbon-carrying arm for manifolding. H. M. Armistead. 1,634,605; July 5.
Typewriting machine, Child's. L. Reischl. 1,634,685; July 5.
Typewriting machine, Child's. L. Reischl. 1,634,725–6; July 5.
Union all. C. S. Furman. 1,635,120; July 5.
Utensil lifter. W. Dziuba and M. Golinski. 1,635,110; July 5.
Valve. J. E. Hall. 1,634,781; July 5.
Valve. F. Hofmann. 1,634,360; July 5.
Valve. S. J. Nordstrom. 1,634,721–2; July 5.
Valve. C. F. Prescott. 1,634,339; July 5.
Valve, Air-compressor. J. Le Valley. 1,634,949; July 5.
Valve, Flush. E. B. Rose. 1,635,010; July 5.
Valve for liquids or steam, Automatic temperature-control. W. H. Thomas, 3d. 1,634,525; July 5.
Valve, Hangar floor. M. Q. Corbett. 1,634,982; July 5.
Valve mechanism. W. H. Wineman. 1,635,146; July 5.
Valve mechanism, Choke-. W. Schmid. 1,634,437; July 5.
Valve-operating mechanism. J. B. Wilson. 1,634,764; July 5.
Valve seat and head. J. E. Pyne. 1,634,512; July 5.
Valves, Automatic sequence-control for. J. S. Kennedy. 1,634,327; July 5.

Vehicle, Auto marine. A. E. Cook. 1,634,932; July 5.
Vehicle bodies, Resilient support for. W. N. Amory. 1,634,895; July 5.
Vehicle bodies, Sliding window for. H. H. Buggie. 1,634,449; July 5.
Vehicle for the transportation of sugar cane and the like. L. D. Gregg. 1,634,778; July 5.
Vehicle, Motor. W. R. Gordon. 1,634,828; July 5.
Vehicles, Awning for motor. A. H. Watson. 1,634,860; July 5.
Vehicles, Body suspension for motor. W. B. Jupp and G. O. Hanshew. 1,634,946; July 5.
Vehicles, Self-supporting carriage body for motor-driven. A. Ortloff. 1,634,433; July 5.
Velocipede brake. J. A. Bried. 1,635,109; July 5.
Vending and change-making machine, Coin-controlled. C. W. Nixon. 1,634,679; July 5.
Vending machine. R. Kessler. 1,634,581; July 5.
Vending machine. M. L. Meletio. 1,634,911; July 5.
Vending machine. C. W. Nixon. 1,634,680; July 5.
Vending machine, Coin carrier for multiple-. W. C. Cutler. 1,634,535; July 5.
Vending rack or stand. C. T. Hatch. 1,634,578; July 5.
Veneer-core machine. S. Madsen. 1,635,149; July 5.
Vernier device. T. F. W. Meyer. 1,634,676; July 5.
Vise stand. O. S. Lee. 1,634,837; July 5.
Vine holder. C. A. Comstock. 1,635,071; July 5.
Voltage regulator, Induction. L. W. Thompson. 1,635,060; July 5.
Wagons, Grain-dumping end gate for grain. W. A. Orendorff. 1,634,798; July 5.
Wall, Air-cooled. H. J. Kerr. 1,634,291; July 5.
Wall board. H. F. Weiss. 1,634,807; July 5.
Wall board. H. F. Weiss. 1,634,809; July 5.
Wall bracket. M. Klein. Des. 73,000; July 5.
Wall construction. H. F. Weiss. 1,634,808; July 5.
Washing machine. C. F. Staples. 1,634,805; July 5.
Washing machine. C. F. Staples. 1,634,890; July 5.
Watchcase. G. W. Bowen. 1,634,447; July 5.
Water heater. H. Brand. 1,634,704; July 5.
Water heater. C. L. Lewis. 1,635,003; July 5.
Water heater. F. W. Shuell. 1,634,889; July 5.
Water-pipe cleaner, Hydraulic. D. J. McGeehin. 1,634,591; July 5.
Water softener. C. P. Eisenhauer. 1,634,409; July 5.
Water waver. P. H. Watson. 1,635,065; July 5.
Weeder and the like. D. W. Bartlebaugh. 1,634,606; July 5.
Weeding machine. O. R. Saunders. 1,635,098; July 5.
Weigher, Automatic. F. Hebden. Re16,666; July 5.
Weighing apparatus. W. A. Benton. 1,634,444; July 5.
Welding device and operating the same, Automatic electric-arc. H. D. Morton. 1,634,624; July 5.
Welding, Electric. R. Mattice. 1,634,675; July 5.
Wheaten cereals, Heat treatment of. R. Hutchinson. 1,634,259; July 5.
Wheel. G. and P. Christia. 1,634,454; July 5.
Wheel. H. V. Ludwick. 1,634,786; July 5.
Wheel construction, Fifth-. I. H. Judd. 1,634,945; July 5.
Wheel with brake disk. L. E. La Brie. 1,635,088; July 5.
Wheels, Method and apparatus for making. H. H. Williams. 1,634,700; July 5.
Whipstock. F. Kinsbach. 1,634,582; July 5.
Whiting, Manufacture of. P. M. McHugh. 1,634,877; July 5.
Wig. L. A. Sellas. 1,635,099; July 5.
Window. H. Donath. 1,634,985; July 5.
Window. H. W. Switzer. 1,634,277; July 5.
Window guard. A. T. McWane. 1,634,841–3; July 5.
Window, Insulated. L. J. Fedder. 1,634,987; July 5.
Window screen. T. B. Laycock. 1,634,371; July 5
Window screen. E. Scheller. 1,634,303; July 5.
Window seal. A. C. Enochs. 1,635,076; July 5.
Window seat. J. D. Oriowski. 1,634,883; July 5.
Window, Sliding. W. D. Irving. 1,634,425; July 5.
Windows and the like, Protection of jewelers'. M. C. M. O'Brien. 1,635,140; July 5.
Windows, Runway for. C. J. McKinney. 1,634,878; July 5.
Windlasses and capstans of vessels, Driving mechanism for the. G. E. Barrett. 1,634,766; July 5.
Windmill. J. H. Wilson. 1,634,926; July 5.
Windshield-regulating device L. A. Mulligan. 1,634,592; July 5.
Windshield wiper. R. B. Gray. 1,634,460; July 5.
Wire reel. J. E. Frederick. 1,634,899; July 5.
Wire-tie clamp. D. D. Pasqualle. 1,634,847; July 5.
Wireless-apparatus cabinet structure. G. W. Cisco. 1,634,709; July 5.
Wireless transmitting system. V. K. Zworykin. 1,634,390; July 5.
Wood and product obtained by said process, Manufacture of artificial. T. Surdi. 1,634,346; July 5.
Woven fabric. J. E. Fefel. 1,634,411–2; July 5.
Wrapping machine. M. B. Ferguson. 1,634,711; July 5.
Wrench. C. E. Dale. 1,634,610; July 5.
Wrench. E. E. Lynch and H. A. Mead. 1,634,908; July 5.
Wrench: *See*—
Power wrench.
Wrench. L. E. Watson. 1,635,002; July 5.
Wringers, Adjustable drain board for. E. C. Rocke. 1,634,799; July 5.
Yeast stimulant, Making a. J. Takamine, jr., and N. Fujita. 1,634,310; July 5.

CLASSIFICATION OF PATENTS

ISSUED JULY 5, 1927.

NOTE.—First number—class, second number—subclass, third number—patent number.

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4— 67: 1,634,524
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July 12, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. & J. Manufacturing Co., The, Binghamton, N. Y. Measuring spoons. 230,128; July 12; Serial No. 246,258; published May 3, 1927.

A. & J. Manufacturing Co., The, Binghamton, N. Y. Brushes and griddle greasers. 230,129; July 12; Serial No. 246,257; published May 3, 1927.

Abbott Laboratories, North Chicago, Ill. Tasteless castor oil. 229,982; July 12; Serial No. 232,059; published Apr. 26, 1927.

Abell, A. S., Company, The, Baltimore, Md. Daily newspaper. 230,093; July 12; Serial No. 236,826; published Dec. 7, 1926.

Acme Spring Sash Balance Co., The. (See Kersting, Albert H.)

Alhpa Chemical Company. (See Paradis, Albani H.)

Allen, Edgar, & Co. Limited, Sheffield, England. Cutlery and all other hand tools having a cutting edge. 63,521; renewed June 25, 1927.

American Crayon Company, The, Sandusky, Ohio. School and artists' crayons. 230,109; July 12; Serial No. 244,202; published May 3, 1927.

American Machine & Foundry Company, Jersey City, N. J., and New York, N. Y. Lead-coated articles. 230,085; July 12; Serial No. 245,527; published May 3, 1927.

American Milk Product Co., assignor to Union Condensed Milk Company, Chicago, Ill. Evaporated milk. 62,894; renewed May 28, 1927.

American Potash & Chemical Corporation, New York, N. Y. Borax and boric acid. 230,161; July 12; Serial No. 244,203; published May 3, 1927.

American Temperature Indicating Co., The. (See Baker, William A., assignor.)

Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 229,923; July 12; Serial No. 240,943; published May 3, 1927.

Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 229,925; July 12; Serial No. 241,017; published May 3, 1927.

Anchor Hardware Stores Co., Kansas City, Mo. Shovels, hoes, axes, etc. 229,983; July 12; Serial No. 232,115; published May 3, 1927.

Anderson, Alfred, doing business as Anderson Chemical Co., Litchfield, Minn. Washing powders and liquid soap. 230,179; July 12.

Andrews, A. R., Company, New York, N. Y., assignor to Richmond Hosiery Mills, Roosville, Ga. Hosiery. 65,662; renewed Oct. 15, 1927.

Armand Co., The. (See Colonial Dames Corporation, assignor.)

Armand Company, The, Des Moines, Iowa. Face powder and cream. 229,954; July 12; Serial No. 245,183; published Apr. 26, 1927.

Arveo Industries, Grosse Ile, Mich. Treated polishing and dusting cloths. 230,162; July 12; Serial No. 244,205; published May 3, 1927.

Atkins, E. C., & Company, Indianapolis, Ind. Saws, knives, etc. 230,153; July 12; Serial No. 237,307; published May 3, 1927.

Atlantic Manufacturing Company. (See Beyer, Herbert G.)

Babani, Maurice, Paris, France. Perfume, toilet water, face powder, etc. 230,032; July 12; Serial No. 245,775; published May 3, 1927.

Babcock, A. P., Company, New York, N. Y. Face powders, creams, packs, toilet waters, rouges, perfumes, etc. 230,103; July 12; Serial No. 243,681; published May 3, 1927.

Baird, William, to Wm. Baird & Son Company, Cambridge Springs, Pa., successor. Mineral water. 65,431; renewed Sept. 24, 1927.

Baker, William A., assignor to The American Temperature Indicating Co., Toledo, Ohio. Measuring machines for remote temperature reading and recording. 65,315; renewed Sept. 17, 1927.

Balfour, Arthur, & Company. (See Seebohm & Dieckstahl Ld., assignor.)

Balmer, J. H., Co., Newark, N. J. Bathroom fixtures. 230,180; July 12.

Bankers' Metal Polish Co., Greensboro, N. C. Metal polish. 229,945; July 12; Serial No. 245,043; published May 3, 1927.

Barnet Leather Co., Inc., New York, N. Y. Leather. 230,192; July 12.

Bates Manufacturing Company, The, Orange, N. J. Index devices, paper fastening devices, etc. 230,150; July 12; Serial No. 240,397; published May 3, 1927.

Beaver, Herman L., Philadelphia, Pa. Polishing and burnishing material. 229,936; July 12; Serial No. 242,772; published May 3, 1927.

Beck-Koller & Company. (See Reichhold, Helmuth.)

Beeler, Frank A., to Clara A. Beeler, doing business as The Beeler Mills, Pleasant Hill, Mo., successor. Powder used in the manufacture of ice cream and ices. 62,677; renewed May 21, 1927.

Behr, Herman, & Company, Incorporated, Brooklyn, N. Y. Abrasive papers and cloths. 230,043; July 12; Serial No. 245,983; published May 3, 1927.

Benz Spring Co., Portland, Oreg. Vehicle springs and bumpers. 229,984; July 12; Serial No. 232,247; published Aug. 10, 1926.

Berg, Joseph, Long Island City, N. Y. Phonograph and radio cabinets. 230,060; July 12; Serial No. 212,849; published Aug. 4, 1925.

Bernel Hosiery Company. (See Rosen, Sophia.)

Bernstein, Maurice L., doing business as Marjo Drug Co., Washington, D. C. Insecticides. 229,915; July 12; Serial No. 246,329; published May 3, 1927.

Bertrand de Mun & Cie. (See Werle & Co., assignor.)

Beyer, Herbert G., doing business as Atlantic Manufacturing Company, Baltimore, Md. Stop lights and stoplight signals, etc. 229,999; July 12; Serial No. 212,775; published July 14, 1925.

Biederman Bros. Produce Co., St. Louis, Mo. Fresh tomatoes. 229,956; July 12; Serial No. 246,264; published May 3, 1927.

Black Diamond Manufacturing Co., to Black Diamond Paint and Varnish Works, Cincinnati, Ohio, successor. Roofing paints. 62,018; renewed Apr. 16, 1927.

Bloom, William, & Company, Inc., New York, N. Y. Perfumes, floral water, bath salts, face powder, etc. 230,104; July 12; Serial No. 243,685; published May 3, 1927.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 230,118; July 12; Serial No. 246,591; published May 3, 1927.

Borgsmiller, Henry, & Sons, Murphysboro, Ill. Canned red beans, kidney beans, corn, peas, etc. 230,068; July 12; Serial No. 243,193; published Apr. 26, 1927.

Borsum Bros., New York, N. Y., and Jersey City, N. J. Material for polishing metals. 230,052; July 12; Serial No. 244,849; published May 3, 1927.

Boudou, Gaston, London, England. Hair washes, hair preparations, etc. 230,088; July 12; Serial No. 235,452; published May 3, 1927.

Bourjois, Inc., New York, N. Y. Perfume, toilet water, face powder, and sachet. 230,127; July 12; Serial No. 246,265; published May 3, 1927.

Bowers, Robert L., doing business as Bureau of Industry, Des Moines, Iowa. Compound for treating coal for aiding combustion. 230,191; July 12.

Bradley Knitting Company, Delavan, Wis. Bathing suits. 230,163; July 12; Serial No. 244,211; published Apr. 26, 1927.

Brooklyn Butter & Egg Protective Association, Brooklyn, N. Y. Eggs. 230,057; July 12; Serial No. 244,978; published May 3, 1927.

Brown-Durrell Co., Boston, Mass., and New York, N. Y. Underwear. 229,990; July 12; Serial No. 234,080; published Apr. 26, 1927.

Browning-Roberts Belting Company, Knoxville, Tenn. Leather belting and belt lacing. 229,963; July 12; Serial No. 244,816; published May 3, 1927.

Buffalo Lounge Company, Buffalo, N. Y. Upholstered davenports, chairs, footstools, etc. 230,138; July 12; Serial No. 242,472; published May 3, 1927.

Buigas, Santos & Co., San Antonio, Tex. Coffee. 230,040; July 12; Serial No. 245,955; published May 3, 1927.

Bureau of Industry. (See Bowers, Robert L.)

Burnett, Joseph, Company, Boston, Mass. Hairdressing. 230,123; July 12; Serial No. 246,413; published May 3, 1927.

Burns-Bowe Baking Company, The, Cleveland, Ohio. Pies. 229,986; July 12; Serial No. 232,605; published July 27, 1926.

Bushman Milling Co., Sawyer, Wis. Wheat cereal. 230,116; July 12; Serial No. 244,538; published Apr. 26, 1927.

Buster Brown Stocking Company, New York, N. Y., assignor, by mesne assignments, to United Hosiery Mills Corporation, Chattanooga, Tenn. Hosiery. 51,981; renewed May 1, 1926.

Cadorette, Thomas J., doing business as Two Brothers Javelle Water Co., Peabody, Mass. Water softener and a bleaching and cleansing solution. 229,924; July 12; Serial No. 240,956; published Apr. 12, 1927.

Cambern Brothers, Spokane, Wash. Breads, cakes, and pastries. 230,092; July 12; Serial No. 236,734; published May 3, 1927.

Camp, Augustus J., deceased. (See Towers, Rosa L., executrix.)

Capital Food Products Company, Dallas, Tex. Mayonnaise, salad dressing, mustard, etc. 230,005; July 12; Serial No. 219,418; published Apr. 26, 1927.

Carborundum Company, The, Niagara Falls, N. Y. Apparatus for spraying or forcibly ejecting cementitious compositions. 229,978; July 12; Serial No. 228,846; published May 3, 1927.

Caron Corporation, New York, N. Y. Perfumery and toilet water. 230,155; July 12; Serial No. 238,483; published Apr. 26, 1927.

Castle Company, Lyons, N. Y. Canned sauerkraut. 230,106; July 12; Serial No. 243,748; published May 3, 1927.

Cavalier Coverlet Co. (See Dunster, Charles H.)

Cellas', Inc., New York, N. Y. Tomato sauce, macaroni, and olive oil. 229,937; July 12; Serial No. 242,816; published Apr. 26, 1927.

Ceuol Company, Chicago, Ill. Soap, cleaning compounds, etc. 230,111; July 12; Serial No. 244,982; published May 3, 1927.

Central Scientific Company, Chicago, Ill. Vacuum pumps. 230,041; July 12; Serial No. 245,956; published May 3, 1927.

Century Pharmacal Co. (See Goldstein, Samuel A., Co.)

Chandler and Rudd Company, The, Cleveland, Ohio. Candy. 230,049; July 12; Serial No. 246,074; published May 3, 1927.

Chemical Foundation, Incorporated, The. (See Fahlberg, List & Company, assignor.)

Cincrete, Inc., Clarksburg, W. Va. Cinder concrete blocks, tiles, blocks, lintels, pier blocks, etc. 229,997; July 12; Serial No. 211,977; published June 23, 1925.

Citrus Chemical Corporation, The, Elkton, Md. Laxative drinks. 230,126; July 12; Serial No. 246,267; published May 3, 1927.

Climax Milling Co., to Hopkinsville Milling Co., Hopkinsville, Ky., successor. Wheat flour. 65,522; renewed Oct. 8, 1927.

Climax Milling Co., to Hopkinsville Milling Co., Hopkinsville, Ky., successor. Wheat flour. 65,695; renewed Oct. 15, 1927.

Clough, L. S. (See Phillips Drug Co.)

Cohn Hall Marx Co., New York, N. Y. Repp in the piece. 229,929; July 12; Serial No. 241,323; published May 3, 1927.

Coles Company, The, Middletown, Conn. Wheat flour, stock and poultry feeds. 229,979; July 12; Serial No. 228,975; published Apr. 26, 1927.

Colgate & Company, Jersey City, N. J., and New York, N. Y. Shaving soap and sticks. 230,018; July 12; Serial No. 244,000; published May 3, 1927.

Colonial Dames Corporation, Los Angeles, Calif., assignor to The Armand Co., Des Moines, Iowa. Beautifier, rouge, hair tonic, etc. 230,030; July 12; Serial No. 244,137; published May 3, 1927.

Columbia Metal Products Company, Chicago, Ill. Can openers. 230,132; July 12; Serial No. 246,197; published May 3, 1927.

Continental Chemical Corporation of Illinois, Watseka, Ill. Floor polish. 229,967; July 12; Serial No. 244,669; published May 3, 1927.

Corbin & Wiesmer, Binghamton, N. Y. Butter. 229,994; July 12; Serial No. 234,700; published Nov. 2, 1926.

Crocker-Sprague Company, The, Dunkirk, N. Y. Coffee. 230,160; July 12; Serial No. 244,394; published Apr. 26, 1927.

Crystal Chemical Company, Inc., The, New York, N. Y. Mineral oil. 230,066; July 12; Serial No. 246,082; published May 3, 1927.

Darlington, W. R., doing business as Darlox Manufacturing Company, Kansas City, Mo. Compound from which a treatment is made intended to darken and restore faded, streaked, and gray hair to its otherwise natural color. 230,125; July 12; Serial No. 246,269; published May 3, 1927.

Darlox Manufacturing Company. (See Darlington, W. R.)

'D'Clay.' (See La Salle Products, Inc.)

Dean's Rag Book Co. Ltd., London, England. Toy animals. 230,083; July 12; Serial No. 245,478; published May 3, 1927.

Delco-Light Company, Dayton, Ohio. Pumps and pumping apparatus. 230,112–13; July 12; Serial Nos. 244,994–5; published May 3, 1927.

Dennie, Frank B., Minneapolis, Minn. Gall salve. 65,523; renewed Oct. 8, 1927.

Dennison Manufacturing Company, Framingham, Mass. Crepe-paper doll outfits. 229,974; July 12; Serial No. 244,605; published May 3, 1927.

Deschiens, Edmond, Paris, France. Medicinal preparations of hæmoglobin. 229,922; July 12; Serial No. 240,646; published Apr. 26, 1927.

Dunster, Charles H., doing business as Cavalier Coverlet Co., New York, N. Y. Bedcovers, bedspreads, etc. 230,055; July 12; Serial No. 244,920; published May 3, 1927.

Eastman Kodak Company, Rochester, N. Y. Photographic sensitized materials. 230,020; July 12; Serial No. 200,436; published Sept. 9, 1924.

Eavenson, J., & Sons, Inc., Philadelphia, Pa., and Camden, N. J. Soap. 230,164; July 12; Serial No. 244,292; published May 3, 1927.

Eavenson, J., & Sons, Inc., Philadelphia, Pa., and Camden, N. J. Soap. 230,165; July 12; Serial No. 244,295; published May 3, 1927.

Ecker & Co. Inc., St. Louis, Mo. Greeting cards, books, and booklets. 230,026–7; July 12; Serial Nos. 244,065–6; published May 3, 1927.

Eclipse White Lead & Color Company, Brooklyn, N. Y. Paints and paint enamels. 230,166; July 12; Serial No. 244,296; published Apr. 26, 1927.

Edgewater Shoe Polish Co., Toledo, Ohio. Shoe polish and cleaner. 230,177; July 12.

Ehlenberger, George, & Company, Inc., New York, N. Y., and Miami, Fla. Cheese. 230,024; July 12; Serial No. 244,003; published Apr. 26, 1927.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 229,914; July 12; Serial No. 246,089; published May 3, 1927.

Eskimo Pie Corporation, Louisville, Ky. Ice cream. 229,951; July 12; Serial No. 245,143; published Apr. 26, 1927.

Fahlberg, List & Company, Salbke-Westerhüsen, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Impure and pure or refined benzoic sulfinid or benzoic sulfinid combined with sodium oxid. 30,524; renewed Aug. 24, 1927.

Fairchild Bros. & Foster, New York, N. Y. Preparation of alkaline salts. 229,912; July 12; Serial No. 246,154; published May 3, 1927.

Falixas Laboratory, Bridgeport, Conn. Medicine for use to rejuvenate glands, build health, etc. 230,086; July 12; Serial No. 245,538; published May 3, 1927.

Fenole Chemical Company. (See Powell, Wylie R.)

Filing Equipment Bureau Incorporated, Boston, Mass. Filing folders. 230,174; July 12.

Firestone Footwear Company, Hudson, Mass. Footwear of rubber, fabric and rubber, and fabric. 229,976; July 12; Serial No. 238,902; published Apr. 26, 1927.

Fish & Lenox Co., Newark, N. J. Cheese. 230,154; July 12; Serial No. 237,544; published Feb. 15, 1927.

Fisher & Rockwell, Chicago, Ill. Automobile accessory. 230,053; July 12; Serial No. 244,859; published May 3, 1927.

Forhan Company, New York, N. Y. Antiseptics. 230,010; July 12; Serial No. 243,933; published Apr. 26, 1927.

Fritchie Home Company, The, Frederick, Md. Cakes. 230,063; July 12; Serial No. 245,704; published Apr. 26, 1927.

Fromageries Bel, Lons-le-Saunier, Jura, France. French Gruyère cheese. 230,016; July 12; Serial No. 243,537; published May 3, 1927.

Fromageries Bel, Lons-le-Saunier, Jura, France. French Gruyère cheese. 230,141–2; July 12; Serial Nos. 243,535–6; published May 3, 1927.

Gasoline Register Company, Chicago, Ill. Quantity-recording and receipt-issuing machines used in the sale of gasoline. 229,992; July 12; Serial No. 234,297; published May 3, 1927.

Gervaise Graham Company. (See Graham, Percy.)

Gewerkschaft Wallram, Abteilung Metallwerke, Essen-Ruhr, Germany. Drawplates, draw noxzles, etc. 29,981; July 12; Serial No. 231,801; published May 3, 1927.

Glidden, Frederick A., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Paints and varnishes. 30,168; renewed June 8, 1927.

Goldhill, Edward S., New York, N. Y. Doughnuts. 230,004; July 12; Serial No. 219,328; published May 3, 1927.

Goldstein, Samuel A., doing business as Century Pharmacal Co., New York, N. Y. Medicinal preparation. 229,906; July 12; Serial No. 244,555; published May 3, 1927.

Gorodess, Edward, doing business as The Gray Chemical Company, New York, N. Y. Tooth paste. 229,957; July 12; Serial No. 245,267; published Apr. 26, 1927.

Graham, John, & Company, Limited, Glasgow, Scotland. Port wine. 60,717; renewed Feb. 19, 1927.

Graham, Percy, doing business as Gervaise Graham Company, Chicago, Ill. Hand lotion. 230,124; July 12; Serial No. 246,344; published May 3, 1927.

Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Tinners' snips, pliers, wrenches. 230,183; July 12.

Graves & Meade & Baker Company, New York, N. Y. Dentifrice. 230,039; July 12; Serial No. 245,906; published May 3, 1927.

Gray Chemical Company, The. (See Gorodess, Edward.)

Gray, Harold L., Chicago, Ill. Comic-picture pages, pictures, strips, etc. 229,927; July 12; Serial No. 242,122; published May 3, 1927.

Grossman, Wm., Co., Milwaukee, Wis. Coffee, tea, and spices, etc. 230,007; July 12; Serial No. 225,303; published Apr. 26, 1927.

Grover, Herman, New York, N. Y. Writing paper. 229,932; July 12; Serial No. 242,533; published May 3, 1927.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty creams, etc. 229,921; July 12; Serial No. 240,491; published May 3, 1927.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty cream, etc. 230,146; July 12; Serial No. 240,256; published May 3, 1927.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty cream, etc. 230,147; July 12; Serial No. 240,302; published May 3, 1927.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes, cologne, beauty cream, etc. 230,149; July 12; Serial No. 240,351; published May 3, 1927.

Guinness, Arthur, Son & Company, Limited, London, England, and Dublin, Ireland. Stout. 63,040–1; renewed June 4, 1927.

Hackenberg, Harvey J. A., Cleveland, Ohio. Candles. 230,091; July 12; Serial No. 236,608; published May 3, 1927.

Hallock-Denton Co., Newark, N. J. Glycerin, sweet oil, ammonia, etc. 230,143; July 12; Serial No. 239,515; published May 3, 1927.

Hand Made Boot & Shoe Co., Chippewa Falls, Wis. Leather boots and shoes. 62,940; renewed May 28, 1927.

Harpham Brothers Company, Lincoln, Nebr. Glove and a mitten of fabric. 230,137; July 12; Serial No. 242,993; published Apr. 26, 1927.

Hart Company, The, Los Angeles, Calif. Men's clothing. 229,926; July 12; Serial No. 241,100; published Apr. 19, 1927.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 230,069; July 12; Serial No. 243,210; published Apr. 26, 1927.

Harwix, Ewald, doing business as Harwix Optische Anstalt, Berlin, Germany, assignor to Mirakel Optical Co., Mount Vernon, N. Y. Field glasses and opera glasses. 230,042; July 12; Serial No. 245,982; published May 3, 1927.

Heather Company, New York, N. Y. Face powder, face creams, face packs, etc. 229,919–20; July 12; Serial Nos. 246,279–80; published May 3, 1927.

Heller, Morris, doing business as Il Prodotto Canning Co., Brooklyn, N. Y. Salad oil. 230,056; July 12; Serial No. 244,933; published Apr. 26, 1927.

Henderson and Ervin, Norwalk, Conn. Underwear of woven fabric. 230,095; July 12; Serial No. 236,897; published Apr. 26, 1927.

Hocklugs, Alfred J., Crystal Falls, Mich. Silver nitrate. 229,918; July 12; Serial No. 246,284; published May 3, 1927.

Hoffmann-La Roche Chemical Works, The, New York, N. Y. Medicinal preparation. 230,059; July 12; Serial No. 245,642; published Apr. 26, 1927.

Hollister Canning Company, Hollister, Calif. Canned fruits and vegetables. 230,172; July 12.

Hopkinsville Milling Co. (See Climax Milling Co.)

Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 230,158; July 12; Serial No. 239,111; published Apr. 26, 1927.

Il Prodotto Canning Co. (See Heller, Morris.)

Independent Baking Co., Davenport, Iowa. Cookie cakes. 230,037; July 12; Serial No. 245,843; published Apr. 26, 1927.

Indianapolis Abattoir Corporation, Indianapolis, Ind. Hams, sliced bacon, lard, and sausage. 230,175; July 12.

Inecto Inc., New York, N. Y. Hair dye. 229,989; July 12; Serial No. 233,316; published May 3, 1927.

Jackson, Hattie, Cleveland, Ohio. Hair tonic, hair straightener, hair shampoo, toilet powder, and facial creams. 230,110; July 12; Serial No. 245,494; published April 26, 1927.

Jacobs & Kassler, New York, N. Y. Dolls and toys. 230,089; July 12; Serial No. 236,132; published Jan. 18, 1927.

Jonas & Colver Limited, assignor to Jonas & Colver Limited, Sheffield, England. Cutlery in general and other hand tools, having a cutting edge. 63,405; renewed June 18, 1927.

Jonas & Colver Limited, assignor to Jonas & Colver Limited, Sheffield, England. Cutlery in general and other hand tools having a cutting edge. 64,244; renewed July 30, 1927.

Jordan Marsh Company, Boston, Mass. Hosiery. 229,946; July 12; Serial No. 245,055; published Apr. 26, 1927.

Joseph and Milton, Toronto, Ontario, Canada. Ladies' coats, hats, and dresses. 229,977; July 12; Serial No. 228,703; published Apr. 27, 1926.

Jünger & Gebhardt Akt. Ges., Berlin, Germany. Hair tonic, mouth wash, etc. 229,991; July 12; Serial No. 234,127; published Apr. 26, 1927.

Kase-Quinby Rubber Company, Inc., New York, N. Y. Bibs, baby pants, aprons, bathing caps, etc. 229,960; July 12; Serial No. 227,801; published Apr. 26, 1927.

Katz, Sol. W., & Company, Philadelphia, Pa. Raincoats. 230,084; July 12; Serial No. 245,495; published Apr. 26, 1927.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Bed sheets, pillow cases, spreads, etc. 229,928; July 12; Serial No. 241,288; published May 3, 1927.

Kayser, Julius & Co., New York, N. Y. Hosiery. 230,102; July 12; Serial No. 243,654; published Apr. 26, 1927.

Kerley, Henry E., Hartsville, Tenn. Dropsy and heart preparations. 230,159; July 12; Serial No. 239,117; published May 3, 1927.

Kersting, Albert H., doing business as The Acme Spring Sash Balance Co., Los Angeles, Calif. Spring sash balances. 229,911; July 12; Serial No. 246,163; published May 3, 1927.

Killem Manufacturing Company, Orlando, Fla. Insecticide. 230,011; July 12; Serial No. 243,952; published May 3, 1927.

Kirk, G. Ridgway, doing business as G. R. Kirk Co., Tacoma, Wash. Christmas trees, sword ferns, leaves, etc. 230,185; July 12.

Knighton, Samuel, & Sons, Inc., New York, N. Y. Wheat flour. 229,916–17; July 12; Serial Nos. 246,202–3; published May 3, 1927.

Knowles & Company, Inc., Boston, Mass. Pipes. 229,938; July 12; Serial No. 242,787; published May 3, 1927.

Koegel's, Charles, Sons, Inc., Holyoke and Springfield, Mass. Slitting machines. 230,064; July 12; Serial No. 246,728; published May 3, 1927.

Kopp, Spurgeon G., doing business as Kopp Chemical Company, Kingston, Pa. Metal polish. 229,941; July 12; Serial No. 245,013; published May 3, 1927.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Matches. 230,186; July 12.

Kuehn, Paul O., South Bend, Ind. Hosiery. 229,952; July 12; Serial No. 245,147; published April 26, 1927.

Kuner Pickle Co., The, Brighton, Colo. Canned vegetables, canned pork and beans, etc. 229,933; July 12; Serial No. 242,540; published Apr. 26, 1927.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Lacquer. 229,962; July 12; Serial No. 244,831; published May 3, 1927.

Lammertz, Leo, assignor to Leo Lammertz, Aix la Chapelle, Germany. Sewing-machine needles. 64,364; renewed Aug. 6, 1927.

La Rosco Co. (See Whitman, R. C.)

La Salle Products, Inc., doing business as 'D'Clay', St. Paul, Minn. Perfumes, toilet waters, talcum powder, etc. 229,961; July 12; Serial No. 228,384; published May 3, 1927.

La Verne Orange Association, La Verne, Calif. Fresh citrous fruits. 230,072; July 12; Serial No. 243,376; published May 3, 1927.

Le Bloas, Jean, New York, N. Y. Perfume. 230,176; July 12.

Lee, Geo. H., Co., Omaha, Nebr. Worm medicine for poultry and livestock. 230,189; July 12.

Lehn & Fink, Inc., New York, N. Y. Tooth paste. 229,966; July 12; Serial No. 244,701; published Apr. 26, 1927.

Leonard, Richard W., Inc., Chicago, Ill. Insecticides, insect repellants, and disinfectants. 230,071; July 12; Serial No. 243,274; published Apr. 26, 1927.

Leonard, Shaw & Dean, Boston, Mass., to Leonard, Shaw & Dean, Inc., Middleboro, Mass., successor. Leather boots and high and low cut leather shoes. 63,238; renewed June 11, 1927.

Leopold & Company, Chicago, Ill. Coats, vests, trousers, knickerbockers, etc. 230,133–4; July 12; Serial Nos. 243,097–8; published Apr. 26, 1927.

Levy, S. J., & Co. Inc., New York, N. Y. Men's and young men's suits and overcoats. 230,082; July 12; Serial No. 245,443; published Apr. 26, 1927.

Liebovitz, S., & Sons, Inc., New York, N. Y. Dress shirts, negligee shirts, blouses, boys' shirts, and pyjamas. 230,101; July 12; Serial No. 243,610; published Apr. 26, 1927.

Loudonville Milling Company, The, Loudonville, Ohio. Wheat flour. 230,087; July 12; Serial No. 245,569; published Apr. 26, 1927.

Love, G. R., doing business as The Summit Laboratories, Oconomowoc, Wis. Tooth paste, mouth wash, hand lotion, etc. 230,114; July 12; Serial No. 244,454; published May 3, 1927.

Lowe, Joe, Co. Inc., Brooklyn, N. Y. Bread. 230,022; July 12; Serial No. 208,410; published Apr. 26, 1927.

Ludden-Burton Company, The, Worcester, Mass. Windshield wipers of the squeegee type and parts thereof. 229,948; July 12; Serial No. 245,101; published May 3, 1927.

Lundborg, Inc., New York, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 230,105; July 12; Serial No. 243,718; published May 3, 1927.

M. B. M. Products Corporation, The, West Haven and New Haven, Conn. Pencil sharpeners. 230,033; July 12; Serial No. 245,795; published May 3, 1927.

Macy, R. H., & Co., Inc., New York, N. Y. Electrical refrigerators. 229,947; July 12; Serial No. 245,067; published Apr. 26, 1927.

Manchester, William H., doing business as VinAde Company, Providence, R. I. Grape sirup. 230,079; July 12; Serial No. 245,403; published May 3, 1927.

Mandel & Cohen, New York, N. Y. Ladies' hosiery. 229,930; July 12; Serial No. 241,946; published Apr. 26, 1927.

Marcel Franck, Inc., New York, N. Y. Atomizers for perfume and the like. 230,054; July 12; Serial No. 244,860; published Apr. 26, 1927.

Marietta Paint & Color Company, The, Marietta, Ohio. Varnishes. 230,006; July 12; Serial No. 236,943; published Apr. 26, 1927.

Marjo Drug Co. (See Bernstein, Maurice L.)

Marshall Field & Company, Chicago, Ill. Axminster rugs. 230,181; July 12.

Martyn Rosse Co., Omaha, Nebr. Bread. 230,148; July 12; Serial No. 240,311; published Apr. 26, 1927.

Mason, Albert G., to White Sewing Machine Corporation, Cleveland, Ohio, successor. Sewing machine heads and attachments. 66,140; renewed Nov. 12, 1927.

Mathieson Alkali Works, Inc., The, New York, N. Y. Tanning compound. 230,045; July 12; Serial No. 246,039; published May 3, 1927.

Menley & James, Ltd., New York, New York, N. Y. Medicinal agents. 229,939; July 12; Serial No. 242,957; published May 3, 1927.

Men's Wear Service Corporation, The, Chicago, Ill. Magazine. 230,031; July 12; Serial No. 245,740; published May 3, 1927.

Meyer, William C., doing business as Wm. C. Meyer Drug Specialty Co., St. Louis, Mo. Lotion. 229,942; July 12; Serial No. 245,018; published Apr. 26, 1927.

Michelback, William S., Alexandria, Va. Insecticide. 229,973; July 12; Serial No. 244,621; published May 3, 1927.

Middlemiss, Watson Co., Tacoma, Wash. Lifting jacks. 230,157; July 12; Serial No. 238,930; published May 3, 1927.

Milks Emulsion Co., The, Terre Haute, Ind. Laxative emulsion. 229,958; July 12; Serial No. 245,281; published Apr. 26, 1927.
Minneapolis Milling Company, Minneapolis, Minn. Wheat flour. 230,140; July 12; Serial No. 242,018; published Apr. 26, 1927.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. 230,035; July 12; Serial No. 245,798; published May 3, 1927.
Mirakel Optical Co. (See Harwix, Ewald, assignor.)
Model Mill Company, Johnson City, Tenn. Wheat flour and self-rising flour. 230,023; July 12; Serial No. 209,051; published Aug. 24, 1926.
Mohawk Rubber Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes. 230,044; July 12; Serial No. 245,997; published May 3, 1927.
Moody, Mark H., doing business as Winnisquam Farms, Waterbury, Vt. Farm, orchard, or milk products. 230,008; July 12; Serial No. 226,012; published Apr. 26, 1927.
Moore-Smith Company, Boston, Mass. Clothing. 63,681; renewed July 2, 1927.
Moore-Smith Company, Boston, Mass. Headwear. 63,682; renewed July 2, 1927.
Morning Telegraph Company, New York, N. Y. Column of news in the Morning Telegraph. 229,972; July 12; Serial No. 244,622; published May 3, 1927.
Murine Company, Inc., The, Chicago, Ill. Eye remedies and salve. 229,940; July 12; Serial No. 242,958; published May 3, 1927.
National Fibre Box Company, Incorporated, New York, N. Y. Boxes and cartons made from fiber paper. 229,971; July 12; Serial No. 244,623; published May 3, 1927.
Nelman, A., & Co., Louisville, Ky. Mattresses. 230,006; July 12; Serial No. 223,735; published Mar. 2, 1926.
Northern Research Industries, Minneapolis, Minn. Metal polish. 230,178; July 12.
Ohio Match Company, The, Wadsworth, Ohio. Salt. 229,943; July 12; Serial No. 245,025; published Apr. 26, 1927.
Pacific Coast Biscuit Co., Portland, Oreg. Crackers and candy. 230,015; July 12; Serial No. 243,559; published Apr. 26, 1927.
Packard Motor Car Company, Detroit, Mich. Automobiles and constructive parts thereof. 230,021; July 12; Serial No. 206,365; published Apr. 26, 1927.
Palais Royal, Inc., The, Washington, D. C. Kitchen cabinets, card tables, Windsor chairs, etc. 230,028; July 12; Serial No. 244,099; published May 3, 1927.
Palmdale Fruit & Egg Farm, Palmdale, Calif. Eggs. 230,167; July 12; Serial No. 244,316; published Apr. 26, 1927.
Palmer, E. C., & Co., Ltd., New Orleans, La. Wrapping paper. 230,184; July 12.
Paradis, Albani H., doing business as Alhpa Chemical Company, Biddeford, Me. Stove polish. 230,080; July 12; Serial No. 245,406; published May 3, 1927.
Paragraving Press, Inc., New York, N. Y. Stationery. 230,107; July 12; Serial No. 243,826; published May 3, 1927.
Paris Medicine Co., St. Louis, Mo. Antiseptic healing oil. 230,046–7; July 12; Serial Nos. 246,048–9; published May 3, 1927.
Parke, Davis & Company, Detroit, Mich. General tonic. 229,910; July 12; Serial No. 246,175; published May 3, 1927.
Paterson, Simons & Co. Ltd., London, England. Playing cards. 230,152; July 12; Serial No. 237,040; published May 3, 1927.
Paul, D. P., & Co. Inc., New York, N. Y. Perfumes. 230,061; July 12; Serial No. 245,653; published Apr. 26, 1927.
Peace, W. K. & C., Limited, Sheffield, England. Edge tools. 63,410; renewed June 18, 1927.
Peats, Alfred., Co., New York, N. Y., to Alfred Peats Co., Chicago, Ill. Wall paper. 62,789; renewed May 28, 1927.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Yarns. 230,120; July 12; Serial No. 246,565; published May 3, 1927.
Perkins Corporation, South Bend, Ind. Wind-driven generating plants for generating electric current. 230,075; July 12; Serial No. 239,822; published April 12, 1927.
Phillips Drug Co., to L. S. Clough, Warren, Pa., successor. Rheumatic remedies. 51,088; renewed Apr. 3, 1926.
Phosphates de Saint-Symphorien, Saint-Symphorien, near Mons, Belgium. Phosphates and other fertilizers. 229,965; July 12; Serial No. 244,718; published May 3, 1927.
Pierce-Arrow Motor Car Company, The, Buffalo, N. Y. Tire covers. 229,998; July 12; Serial No. 212,399; published May 3, 1927.
Polx, G. M., Inc., Brooklyn, N. Y. Brassières. 230,081; July 12; Serial No. 245,407; published April 26, 1927.
Powell, Wylie R., doing business as Fenole Chemical Company, Jacksonville, Fla. Insecticides. 230,121; July 12; Serial No. 246,500; published May 3, 1927.
Priscilla Company, The, Boston, Mass. Sewing machines. 229,913; July 12; Serial No. 246,120; published May 3, 1927.
Purity Chemical Products Company, Santa Rosa, Calif. Laundry bleach. 230,050; July 12; Serial No. 244,571; published May 3, 1927.
Reach, A. J., Company, Philadelphia, Pa. Baseballs, bats, masks, protectors, etc. 230,076; July 12; Serial No. 245,296; published May 3, 1927.
Reed, John A., Warren, Ohio. Cleaner. 230,188; July 12.
Reiche, Anton, assignor to Anton Reiche Aktiengesellschaft, Dresden, Germany. Chocolate molds. 61,452; renewed Mar. 19, 1927.
Reichhold, Helmuth, doing business as Beck-Koller & Company, Detroit, Mich. Paints, varnishes, and lacquers. 230,009; July 12; Serial No. 227,470; published Apr. 26, 1927.
Reichman & Faust, New York, N. Y. Nail polish. 229,970; July 12; Serial No. 244,629; published May 3, 1927.
Reid Ice Cream Corporation, Brooklyn, N. Y. Ice-cream confection. 230,074; July 12; Serial No. 243,456; published Apr. 26, 1927.
Reo Motor Car Company, Lansing, Mich. Motor trucks. 230,182; July 12.
Republic Metalware Co., The, Buffalo, N. Y. Forks, knives, carving sets, etc. 230,160; July 12; Serial No. 239,429; published May 3, 1927.
Richmond Hosiery Mills. (See Andrews, A. B., Company, assignor.)
Richmond Hosiery Mills, Rossville, Ga. Hosiery. 63,326; renewed Sept. 17, 1927.
Roberti Bros., Los Angeles, Calif. Bed springs. 230,025; July 12; Serial No. 244,025; published May 3, 1927.
Roe, F. P., & Bro., to F. P. Roe Company, Greensboro, Md. Canned peas and corn. 64,924; renewed Aug. 27, 1927.
Rosedor Cigarette Co., New York, N. Y. Cigars, cigarettes, cheroots, etc. 230,190; July 12.
Rosen, Sophia, doing business as Bernel Hosiery Company, Tulsa, Okla. Silk hosiery and shoes. 230,003; July 12; Serial No. 217,113; published April 26, 1927.
Rowntree & Company, Limited, York, England. Cocoa, chocolate, and candy. 230,151; July 12; Serial No. 240,444; published May 3, 1927.
Sabrowske, Herman, Oberlin, Ohio. Derailers. 230,131; July 12; Serial No. 246,230; published May 3, 1927.
St. Petersburg Bond & Mortgage Company, St. Petersburg, Fla. Trade paper. 230,029; July 12; Serial No. 244,111; published May 3, 1927.
Salt Union Limited, Liverpool, England. Salt. 64,649; renewed Aug. 13, 1927.
Schluderberg, Wm.-T. J. Kurdle Co., The, Baltimore, Md. Animal and poultry foods. 230,144; July 12; Serial No. 239,680; published Apr. 26, 1927.
Schwannecke, Frederick A., doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Face powders, talcum powders, etc. 230,117; July 12; Serial No. 246,636; published May 3, 1927.
Seebohm & Dieckstahl Ltd., assignors to Arthur Balfour & Company, Limited, Sheffield, England. Cutlery and edge tools. 63,618; renewed July 2, 1927.
Smith, Benjamin D., doing business as Smith Manufacturing Co., Utica, N. Y. Insecticides. 229,949; July 12; Serial No. 245,111; published Apr. 26, 1927.
Smith Premier Typewriter Company, The, Syracuse and New York, N. Y. Typewriting machines. 229,959; July 12; Serial No. 245,230; published May 3, 1927.
Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Cordial. 62,200; renewed Apr. 23, 1927.
Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Apricot brandy. 62,336; renewed Apr. 30, 1927.
Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie, Paris, France. Cordial. 62,370–1; renewed Apr. 30, 1927.
Societe du Louvre (Societe Anonyme), Paris, France. Perfume, toilet water, rouge, etc. 230,034; July 12; Serial No. 245,811; published May 3, 1927.
Soieries Coudurier, Fructus & Descher de New York, Inc., New York, N. Y. Silk thread. 230,019; July 12; Serial No. 188,643; published May 3, 1927.
Southern Cream and Milk Company, Inc., Atlanta, Ga. Butter. 230,036; July 12; Serial No. 245,812; published Apr. 26, 1927.
Southwark Food Products Co., Philadelphia, Pa. Malt sirup for food purposes. 229,931; July 12; Serial No. 241,969; published Apr. 26, 1927.
Southwestern Portland Cement Company, Los Angeles, Calif. Plastic cement. 230,173; July 12.
Sparta, Angelo, doing business as The Sparta Chemical Co., Hoboken, N. J. Medical preparation. 230,070; July 12; Serial No. 243,241; published May 3, 1927.
Speas Manufacturing Company, Kansas City, Mo. Mixture of powdered pectin and acidified sugar. 229,955; July 12; Serial No. 245,232; published May 3, 1927.
Standard Car Record Company. (See Towers, Rosa L., executrix.)
Standard Insulation Company, Rutherford, N. J. Varnish and automobile enamel. 230,073; July 12; Serial No. 243,394; published May 3, 1927.
Stanley Works, The, New Britain, Conn. Hand planes. 230,038; July 12; Serial No. 245,868; published May 3, 1927.
Stein, Hall Manufacturing Company, Chicago, Ill. Paste. 230,062; July 12; Serial No. 245,666; published Apr. 26, 1927.

Sterling Engine Company, Buffalo, N. Y. Internal-combustion engines. 230,067; July 12; Serial No. 243,178; published May 3, 1927.
Sterling Stocking Co., Mount Sterling, Ohio. Stump stockings and socks. 230,012; July 12; Serial No. 243,979; published Apr. 26, 1927.
Stern, L. & H., Inc., Brooklyn, N. Y. Pipes. 230,130; July 12; Serial No. 246,236; published May 3, 1927.
Stevens, Chas. A., & Bros. Chicago, Ill. Hosiery. 230,077; July 12; Serial No. 245,303; published Apr. 26, 1927.
Summit Foundry Company, Geneva, N. Y. Stoves, ranges, and furnaces, and parts thereof. 66,204; renewed Nov. 12, 1927.
Summit Laboratories, The. (See Love, G. R.)
Sun Printing and Publishing Association, New York, N. Y. Name of a daily newspaper. 229,985; July 12; Serial No. 232,297; published Dec. 21, 1926.
Swift-Go Products Co. (See Wilson, William F.)
Towers, Rosa L., executrix of the estate of Augustus J. Camp, deceased, doing business as Standard Car Record Company, Richmond, Va. Bound and loose-leaf car-record books. 230,171; July 12.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners of the squeegee type. 230,078; July 12; Serial No. 245,383; published May 3, 1927.
Two Brothers' Javelle Water Co. (See Cadorette, Thomas J.)
Tyree, J. S., Chemist, Inc., Washington, D. C. Dentifrices. 229,987; July 12; Serial No. 233,039; published May 3, 1927.
Uneeda Drug Co. Inc., New York, N. Y. Antiseptic, astringent, deodorant, etc. 229,969; July 12; Serial No. 244,637; published Apr. 26, 1927.
Union Condensed Milk Company. (See American Milk Product Co.)
United Fuel & Supply Company, Detroit, Mich. Magazine. 229,934; July 12; Serial No. 242,633; published May 3, 1927.
United Hosiery Mills Corporation. (See Buster Brown Stocking Company, assignor.)
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. 230,122; July 12; Serial No. 246,451; published May 3, 1927.
Valley Produce Company, San Francisco and El Centro, Calif. Fresh vegetables. 230,108; July 12; Serial No. 243,899; published May 3, 1927.
Van Ameringen, Arnold L., New York, N. Y. Perfumes, essences of perfumes, aromatic materials, etc. 229,950; July 12; Serial No. 245,118; published Apr. 26, 1927.
Van Ameringen, Arnold L., New York, N. Y. Natural and synthetic essential oils suitable for perfuming purposes. 230,168; July 12; Serial No. 244,337; published May 3, 1927.
Victor Monaghan Company, Greenville, S. C. Cotton piece goods. 230,119; July 12; Serial No. 246,579; published May 3, 1927.
Victor Sporting Goods Co., to Wright & Diston Victor Company, Springfield, Mass., successor. Clothing. 65,107; renewed Sept. 10, 1927.
Victor X-Ray Corporation, Chicago, Ill. Rotary rectifying switches and X-ray apparatus. 230,001–2; July 12; Serial Nos. 214,900–1; published Apr. 26, 1927.
VinAde Company. (See Manchester, William H.)
Vintner Import Company, New York, N. Y. Grape juice. 229,944; July 12; Serial No. 245,038; published May 3, 1927.
Virginia Dare Extract Co., Brooklyn, N. Y. Flavoring extracts. 230,170; July 12.
Wade & Butcher Corporation, Jersey City, N. J. Handles for knives, forks, and razors. 230,115; July 12; Serial No. 244,523; published May 3, 1927.
Wagenseller, Ethel S., Philadelphia, Pa. Paper, rubber, asbestos, and felt washers. 230,187; July 12.
Walrod Chemical Company, Hartford, Conn. Powder employed as a radiator cleanser. 230,014; July 12; Serial No. 243,570; published May 3, 1927.
Wampole, Henry S., Company, The, Baltimore, Md. Cough sirup. 230,058; July 12; Serial No. 245,602; published May 3, 1927.
Warner Gear Company, Muncie, Ind. Automobile transmissions. 229,964; July 12; Serial No. 244,805; published May 3, 1927.
Washburn Crosby Company, Minneapolis, Minn., and New York, N. Y. Wheat flour. 230,051; July 12; Serial No. 244,840; published Apr. 26, 1927.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 230,065; July 12; Serial No. 245,767; published Apr. 26, 1927.
Watson, L. S., Manufacturing Co., Leicester, Mass. Horse and curry cards and hand cards. 230,094; July 12; Serial No. 236,858; published Apr. 26, 1927.
Webster, William A., Company, The, Memphis, Tenn. Shaving cream, soaps, etc. 229,968; July 12; Serial No. 244,641; published May 3, 1927.
Weidenmiller, Paul, Springfield, Mass. Preparation for the treatment of the scalp, shaving lotion, etc. 229,988; July 12; Serial No. 233,151; published Aug. 24, 1926.
Weltz, Carl A., Somerville, Mass. Frankfurts, wiener-style sausage, link sausage, etc. 230,100; July 12; Serial No. 243,571; published May 3, 1927.
Werle & Co., assignor to Bertrand de Mun & Cie., Reims, France. Champagne. 66,149; renewed Nov. 12, 1927.
Wheat Fruit Cereal Co. Inc., West Orange, N. J. Cereal breakfast food. 230,139; July 12; Serial No. 242,034; published Apr. 26, 1927.
Wheatley & Schwabe, New York, N. Y. Work shirts, overalls, and overall suits. 230,099; July 12; Serial No. 243,904; published Apr. 26, 1927.
White Cash Market Company, Chicago and Evanston, Ill. Pork sausage and bacon. 230,135; July 12; Serial No. 242,644; published May 3, 1927.
White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 230,098; July 12; Serial No. 243,907; published May 3, 1927.
White Hall Baking Company, Flint, Mich. Bread. 230,013; July 12; Serial No. 243,986; published Apr. 26, 1927.
White Sewing Machine Corporation. (See Mason, Albert G.)
Whitin Machine Works, Whitinsville, Mass. Spindles, rings, filers, and rolls of textile machinery. 230,090; July 12; Serial No. 236,186; published Nov. 9, 1926.
Whitman & Barnes Manufacturing Company, The, Akron, Ohio. Wrenches. 51,576; renewed Apr. 17, 1926.
Whitman & Barnes Manufacturing Company, The, Akron, Ohio. Wrenches. 54,259; renewed June 26, 1926.
Whitman, R. C., doing business as La Rosco Co., Macon, Ga. Hair grower and dressing. 229,953; July 12; Serial No. 245,176; published May 3, 1927.
Wichita Mill & Elevator Company, The, Wichita Falls, Tex. Wheat flour. 230,048; July 12; Serial No. 246,061; published May 3, 1927.
Wierbake, William, to Walter Wierbake, St. Louis, Mo., successor. Stove polish. 61,088; renewed Mar. 5, 1927.
Wiley, L. D., Madison, Ark. Preparation for use in the treatment of pellagra and chronic indigestion. 229,975; July 12; Serial No. 244,588; published May 3, 1927.
Williamsport Mirror and Glass Company, Williamsport, Pa. Glass, silvered and unsilvered. 229,980; July 12; Serial No. 231,224; published May 3, 1927.
Wilson, William F., doing business as Swift-Go Products Co., Trenton, N. J. Liniment, hairdressing and shampoo, and face creams. 230,097; July 12; Serial No. 243,909; published May 3, 1927.
Winnisquam Farms. (See Moody, Mark H.)
Woertz, Henry, Waukegan, Ill. Ginger ale and beverages sold as soft drinks. 229,935; July 12; Serial No. 242,646; published May 3, 1927.
Woodruff, Willard S., Boston, Mass. Cleaning preparation. 230,145; July 12; Serial No. 240,157; published May 3, 1927.
Worstell, Thomas J., St. Louis, Mo. Salted peanuts. 230,136; July 12; Serial No. 243,076; published May 3, 1927.
Worzalla Publishing Company, Stevens Point, Wis. Wall calendars. 230,017; July 12; Serial No. 243,989; published May 3, 1927.
Wrede, Robert C., doing business as Wrede Drug Co., Los Angeles, Calif. Laxative tablets. 230,156; July 12; Serial No. 238,824; published May 3, 1927.
Wright & Ditson Victor Company. (See Victor Sporting Goods Co.)
Y-O-Ming Company, Pine Bluffs, Wyo. Pile capsules. 230,060; July 12; Serial No. 245,283; published Apr. 26, 1927.
Youngs Rubber Corporation, Inc., New York, N. Y. Prophylactic rubber articles for the prevention of contagious diseases. 229,993; July 12; Serial No. 234,605; published Apr. 26, 1927.
Zaninovich, George, doing business as Zaninovich Bros. Vineyards, Orosi, Calif. Fresh grapes. 229,995; July 12; Serial No. 234,810; published Apr. 26, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Brach, E. J., & Sons, Chicago, Ill. Emil J. Brach's Kitchen Made Chocolates. For Candy. 32,405; July 12.
Clement, James L., New Orleans, La. Sis-A-Lu. For Hair Tonic. 32,406; July 12.
Clover Drug Co. (See Noonan, Harry.)
Cluever, Edna S., doing business as Melo-Cream Distributing Co., Chicago, Ill. St. Ruves. For Malt Extract. 32,407; July 12.
Darrah, Lydia, Candy Shops, Inc., Minneapolis, Minn. Old Time Home Made Lydia Darrah Candies. For Candy. 32,408; July 12.
Davies, Wm., & Co., New York, N. Y. Royal Ascot. For Sport Garments. 32,409; July 12.
Doane, William, St. Louis, Mo. Home Creamery Butter. For Butter. 32,410; July 12.
Doane, William, St. Louis, Mo. Excella Creamery Butter. For Butter. 32,411; July 12.

Dryice Corporation of America, New York, N. Y. Every Package its Own Ice Box. For Frozen Carbon Dioxide with a Commodity to be Refrigerated Thereby. 32,412; July 12.

Eagen, John A., Batesville, Ohio. Eagon's Veterinary Remedy For Cattle. For a Veterinary Remedy. 32,413; July 12.

Elby Extract Company. (See Lehrhaupt, Eugene and J.)

Florida Canneries, Inc., Sarasota, Fla. Pelican. For Canned Grapefruit. 32,414; July 12.

Golden, Augustus J., Baltimore, Md. Texas Longhorn Crooks. For Cigars. 32,415; July 12.

Grekko Chemical Company, Minneapolis, Minn. Soresol A. Grekko Product. For a Medicine for the Treatment of Sore Throat, Tonsilitis, and Quinsy. 32,416; July 12.

Hacker, E. H., doing business as Sterling Candy Company, Milwaukee, Wis. Personalized Chocolates. For Candy. 32,417; July 12.

Hollenbach, Chas., Chicago, Ill. Chas. Hollenbach Roll. For Meat Products. 32,418; July 12.

Iowa State Brand Creameries Association. (See Menasha Printing and Carton Company, assignor.)

Jacobson, Frank W., doing business as The Reliable Home Supply Company, Cleveland, Ohio. Old Reliable Malt Syrup. For Malt Sirup. 32,419; July 12.

Jandt, Chas. H., Packing Co., Los Angeles, Calif. Scarlet Coquet. For Lettuce. 32,420; July 12.

Jersey Farm Products Co., Pittsburgh, Pa. Oakshire Farms. For Butter. 32,421; July 12.

Johnson, Lillian H., Los Angeles and Hollywood, Calif. Green Garden Salad Dressing. For Salad Dressing. 32,422; July 12.

Jordan, Linwood F., doing business as 20th Century Amusement & Vending Co. of America, Portland, Me. U-Need-M. For Sweets. 32,423; July 12.

Kit Manufacturing Company, Chicago, Ill. Kit Oil. For Kit Oil. 32,424; July 12.

Lehrhaupt, Eugene and J., doing business as Elby Extract Company, New York, N. Y. Out-A-Bond. For Flavors. 32,425; July 12.

Leveen, Hilda, doing business as Trinity Pharmacal Co., Boston, Mass. Boralin Germicidal Cooling Sedative. For Medicinal Ointments. 32,426; July 12.

Melo-Cream Distributing Co. (See Cluever, Edna S.)

Menasha Printing and Carton Company, Menasha, Wis., assignor to The Iowa State Brand Creameries Association, Davenport, Iowa. Iowa State Brand. For Butter. 32,427; July 12.

Morgan & Company, Hermon, N. Y. C-Em-Die. For Insecticide and Germicide. 32,428; July 12.

Merrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Sandwich Spread. 32,429; July 12.

Merrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Limburger Cheese. 32,430; July 12.

Mutual Supply Company, San Francisco, Calif. Cherry Brand Baby Clams. For Clams. 32,431; July 12.

Noonan, Harry, doing business as Clover Drug Co., New York, N. Y. 10 Clovers for Constipation, a Confection of Rhubarb, Phenolphthalein, Calcium Carbonate, and Aromatics. For a Pharmaceutical Preparation. 32,432; July 12.

Noonan, Harry, doing business as Clover Drug Co., New York, N. Y. 10 Clovers for Indigestion, a Confection of Menthol, Acid-Benzoic, Thymol, Ulmus, Eucalyptol and Aromatics. 32,433; July 12.

Noonan, Harry, doing business as Clover Drug Co., New York, N. Y. 10 Clovers for Indigestion, a Confection of Rhubarb, Magnesium, Calcium Carbonate, Carbo and Aromatics. For a Pharmaceutical Preparation. 32,434; July 12.

Noonan, Harry, doing business as Clover Drug Co., New York, N. Y. 10 Clovers for Headache, a Confection of Theine, Acetyl, Sal-Acid and Aromatics. For a Pharmaceutical Preparation. 32,435; July 12.

Northern Paper Mills, Green Bay, Wis. Bunnydown. For Toilet Paper. 32,436; July 12.

Northern Paper Mills, Green Bay, Wis. Flying Cloud. For Toilet Paper. 32,437; July 12.

Northern Paper Mills, Green Bay, Wis. Silver Floss. For Toilet Paper. 32,438; July 12.

Petrocelli, Joseph, & Co. Inc., New York, N. Y. Malt Syrup Hop Flavored. For Malt Sirup. 32,439; July 12.

Reliable Home Supply Company, The. (See Jacobson, Frank W.)

Sal Laboratories, Brooklyn, N. Y. Sed. For Cough Sirup. 32,440; July 12.

Shotwell Mfg. Co., Chicago, Ill. Shotwell's Marshmallows. For Marshmallow Candy. 32,441; July 12.

Snow, Virginia, Elgin, Ill. Virginia Snow Novelty Bird Cage. For a Novelty Consisting of an Imported Canary, Fiber Hoops, Dexter Yarn, Thimble, Needle, and Lesson. 32,442; July 12.

Sterling Candy Company. (See Hacker, E. H.)

Sutherland Paper Company, Kalamazoo, Mich. Our Daisy. For Butter. 32,443; July 12.

Trinity Pharmacal Co. (See Leveen, Hilda.)

Turner, A. Franklin, Arthur, Ill. Thor-O-Lax a Systemic Renovator. For a Medicinal Preparation. 32,444; July 12.

20th Century Amusement & Vending Co. of America. (See Jordan, Linwood F.)

20th Century Bakery, Inc., Haverhill, Mass. Ye Old Fashioned Potato Bread. For Bread. 32,445; July 12.

20th Century Bakery, Inc., Haverhill, Mass. Sandwich Bread. For Bread. 32,446–7; July 12.

Victory Chemical Co., Philadelphia, Pa. Victory By-By Fluid. For an Insecticide. 32,448; July 12.

Wahlers, John H., New York, N. Y. Acme Thread Mills. For Thread. 32,449; July 12.

Wahlers, John H., New York, N. Y. Empire Flax Mills. For Twine. 32,450; July 12.

Wilmington Creamery, Wilmington, Calif. Richmaid. For Ice Cream. 32,451; July 12.

Wood, Ashford M., Chicago, Ill. Chocolates Thinmints. For Candy. 32,452; July 12.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Writing Paper Company, Inc., Holyoke, Mass. Eagle-A Business Papers. For Eagle-A Business Papers. 10,036; July 12.

B. V. D. Company, Inc., The, New York, N. Y. Millions Know What Serves Them Best. For Athletic Underwear. 10,040; July 12.

B. V. D. Company, Inc., The, New York, N. Y. And Now—'B. V. D.' Running Pants! For Athletic Underwear. 10,041; July 12.

B. V. D. Company, Inc., The, New York, N. Y. Don't Shoot The Laundryman. For Athletic Underwear. 10,042; July 12.

Blizzard Sales Co., Omaha, Nebr. The Guaranteed Blizzard Cooling and Ventilating System. For Cooling and Ventilating Systems and Parts Thereof. 10,037; July 12.

Booth Fisheries Company, Chicago, Ill. Fresh Fish Fillets. For Salt-Water Fish. 10,038; July 12.

Bossemeyer Bros., Superior, Nebr. Starts 'Em Right. For Chick Mash and Chick Feed. 10,039; July 12.

Cleveland Heater Co., The, Cleveland, Ohio. Help. For Rex Automatic Storage Water Heaters. 10,043; July 12.

Cream of Wheat Co., Minneapolis, Minn. They Meet Standing Orders on Many Diets—These Tempting Desserts. For Wheat Breakfast Food. 10,044; July 12.

Crosse & Blackwell, Inc., New York, N. Y. Crosse & Blackwell Pickles. For Pickles. 10,045; July 12.

Crystal Chemical Company, Inc., The, New York, N. Y. Best for Baby's Body Best for Every Body. For Talcum Powders for Nursery and Toilet Use. 10,046; July 12.

D & C Co. Inc., The, Wilmington, Del., and Brooklyn, N. Y. For Dessert My-T-Fine. For Dessert Preparations. 10,047; July 12.

Davenport Hosiery Mills, Chattanooga, Tenn. Humming Bird Wears Longer. For Full-Fashioned Silk Hosiery. 10,048; July 12.

Goodman American Ice Cream Company, Chicago, Ill. 'Rich' Goodman American Kreem. For Ice Cream. 10,049; July 12.

Gray, Marion R., Los Angeles, Calif. The Grayco Golfer. For Shirts. 10,050; July 12.

Hewes & Potter, Inc., Boston, Mass. All Tied For You. For Spur Ties. 10,051; July 12.

Hirschman, J. C., Company, The, Indianapolis, Ind. Hirschman Kant Spread Mattress. For Mattresses. 10,052; July 12.

Milliard, Sint S., Los Angeles, Calif. Is Your Daughter Safe?. For a Motion-Picture Film. 10,053; July 12.

Moxie Company, The, Boston, Mass. Certificate of Authority—1927. For Beverage Called "Moxie". 10,054; July 12.

Patrol Valve Company, The, Cleveland, Ohio. Safety Patrol Valve. For Safety Patrol Valves. 10,055; July 12.

Reid, Murdoch & Co., Chicago, Ill. Willing Service. For Groceries. 10,056; July 12.

Reid, Murdoch & Co., Chicago, Ill. Doing Her Best for Daddy. For Groceries. 10,057; July 12.

Remington Arms Company Inc., New York, N. Y. 'Old Boy! We Have The Winning Combination For Tomorrow.' For Shotgun Shells and Rifle Cartridges. 10,058; July 12.

Smith-Morris, Inc., New York, N. Y. Big-Bo-Chief. For Bow Tie and Kerchief Set. 10,059; July 12.

United Woolen Company, The, Columbus, Ohio. United Custom Clothes Are Designed to Fit Your Body. For Men's Clothing. 10,060; July 12.

Westinghouse Union Battery Company, Swissvale, Pa. Westinghouse Battery. For Batteries. 10,061; July 12.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott, W. R., Mfg. Co., Goshen, Ind. Cleaning and polishing preparation. 244,382; July 12.

Acacia Fraternity, Worcester, Mass., and Ann Arbor, Mich. Periodical publication. 247,156; July 12.

American Caramel Company, York, Pa. Candy. 249,632; July 12.

American Optical Company, Southbridge, Mass. Goggles and parts thereof. 246,063; July 12.

Anderson, Nels A., Tacoma, Wash. Waterproof wood cement. 249,563; July 12.

Andre Velvo Art Craft Co. (See Andrews, Chryssl.)

Andrews, Chryssl, doing business as Andre Velvo Art Craft Co., New York, N. Y. Ornamented fabrics. 232,445; July 12.

Angeles Art Shop, Los Angeles, Calif. Stamped goods used for needlework. 246,525; July 12.

Ansted Publishing Co. Inc., Brooklyn, N. Y. Magazine. 248,027; July 12.

Bankette Co., The, Boston, Mass. Pocket coin holders. 244,812; July 12.

Banks, Clyde, Bellingham, Wash. Photographs. 228,963; July 12.

Baskind, Louis, & Co., Inc., New York, N. Y. Men's dress shirts. 248,617; July 12.

Battle Creek Food Co., Battle Creek, Mich. Graham and fruit crackers, oatmeal wafers, etc. 242,563; July 12.

Bay State Thread Works, Springfield, Mass. Thread. 241,859; July 12.

Bear Medicine Company, Cuddy, Pa. Medicinal preparation for the treatment of asthma. 248,806; July 12.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Corn knives, lawn mowers, and automobile jacks. 249,696; July 12.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Ice picks. 249,697; July 12.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Mattresses. 249,942; July 12.

Berkeley Springs Bottling Co., Inc., Berkeley Springs, W. Va. Beverages sold as soft drinks. 249,211; July 12.

Berland Shoe Stores Inc., St. Louis, Mo. Women's shoes and hosiery. 245,613; July 12.

Bernet, Craft & Kauffman Milling Company, St. Louis, Mo. Wheat flour. 229,894; July 12.

Big Diamond Mills Company, Minneapolis, Minn. Wheat flour. 243,744; July 12.

Blake, C. G., Company, Inc., The, Cincinnati, Ohio. Coal and coke. 249,261; July 12.

Blu-Lac, Incorporated, San Francisco, Calif. Washing flakes. 243,922; July 12.

Bournakis, Andrew J., doing business as Sup Up Coffee, Tea and Cocoa Co., New York, N. Y. Coffee, tea, and cocoa. 241,389; July 12.

Bowser, S. F., & Company, Inc., Fort Wayne, Ind. Oil filters. 247,517; July 12.

Brewster Sons Company, Newark, N. J. Milk and almond milk chocolate, chocolate dainties, candied peanut crisps, etc. 241,080; July 12.

Broderick-Son-Raymond Company, Minneapolis, Minn. Reflectors. 247,884; July 12.

Butler Paper Corporations, Chicago, Ill. Book and cover paper, bristol cardboard, blank post cards, etc. 248,152; July 12.

Buzza Company, The, Minneapolis, Minn. Tally cards and score pads. 230,081; July 12.

Camro Product Co., Long Island City, N. Y. Liquid preparation or make-up for the face and body. 245,890; July 12.

Candy Bros. Mfg. Co., St. Louis, Mo. Candy. 250,063; July 12.

Carlson, F. C., Boston, Mass. Lotion for the treatment of the eyes. 249,947; July 12.

Carriero, Gaetano R., New York, N. Y. Cream to be used on barbers' strops. 248,086; July 12.

Central Paper Company, Menasha, Wis. Gummed and ungummed paper sealing, veneer, and stay tapes. 247,927; July 12.

Chabrow Brothers, Philadelphia, Pa. Butter and bread. 224,078; July 12.

Chemico-Biologic Laboratories, Incorporated, New York, N. Y. Antiarthritic, antirheumatic, antipyretic medicines, and uric acid eliminants. 249,640; July 12.

Chouinard, Harry A., doing business as Maco Manufacturing Co., Maywood, Ill. Electrically-heated vapor inhalers. 248,878; July 12.

Christy, Thomas, doing business as Christy Medicine Company, St. Louis, Mo. Laxative. 232,321; July 12.

Cluever, Edna S., doing business as Melo-Cream Distributing Co., Chicago, Ill. Malt extract. 247,838; July 12.

Cohen, Samuel, Shoe Co., Boston, Mass. Boots and shoes. 249,607; July 12.

Colgate & Company, Jersey City, N. J. Soap for shaving. 247,779; July 12.

Colgate & Company, Jersey City, N. J., and New York, N. Y. Talc powder. 250,068–9; July 12.

Community Pulpit. (See Pennoyer, Charles H.)

Compagnie du Vin St. Raphael (Societe Anonyme), Valence, Drome, France. Still wine. 244,744; July 12.

Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 248,353; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,326–7; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,330; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,333–5; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,337; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,339–40; July 12.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,342–3; July 12.

Continental Optical Corporation, New York, N. Y. Abrasives and polishing compounds. 247,932; July 12.

Corbett, Stratford, New York, N. Y. Newspaper section. 249,406; July 12.

Craftex Company, Brighton ,Mass. Composition of earthy materials for walls, ceilings, and floors and a filler for cracks and crevices. 249,642; July 12.

David-Cleaver Produce Co., Quincy, Ill. Dressed poultry. 248,557; July 12.

Davis Press, Incorporated, The, Worcester, Mass. Publication. 246,085; July 12.

Day, A. S., Manufacturing Co. Inc., The, Buffalo, N. Y. Varnish, paint, and paint enamels. 241,565; July 12.

Denney Tag Company, The, West Chester, Pa. Printed advertising tags, shipping tags, marking tags, and work tags. 248,226; July 12.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabric in the piece. 249,951–6; July 12.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabric in the piece. 249,958–60; July 12.

Detroit Air Compressor Co., Detroit, Mich. Air compressors and air towers for filling stations and the like. 246,467; July 12.

Dewey, H. T., & Sons Co., New York, N. Y. Medicinal wine for use as a general tonic. 248,757; July 12.

Dochler Die-Casting Co., Brooklyn, N. Y. Die casting metal and die castings. 248,398; July 12.

Dog and Cat Drug Stores, Inc., The, Baltimore, Md. Mixed canary seed, parrot mixture, song restorer, etc. 249,841; July 12.

Dunhill, Alfred, of London, Inc., New York, N. Y. Cigar and cigarette lighters. 247,657–8; July 12.

Durant Motocover Co., Inc., New York, N. Y. Automobile seat covers. 247,730; July 12.

Eagle Pencil Company, New York, N. Y. Lead pencils. 249,267; July 12.

Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 249,709; July 12.

Emily Shops, Inc., New York, N. Y. Blouses, dresses, sweaters, suits, ensemble suits, and hats. 249,467; July 12.

Estes, Llewellyn W., doing business as The Great American Herb Co, Washington, D. C. Laxative medicine. 245,899; July 12.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 249,577; July 12.

Faber & Hein, New York, N. Y. Coats, suits, wraps, and dresses. 247,683; July 12.

Farnsworth, John, Associated, Inc., Philadelphia, Pa. Liquid padding cement. 242,659; July 12.

Feder Trimmed Hat Co., St. Louis, Mo. Hats. 243,932; July 12.

Federal Cartridge Corp., Minneapolis, Minn. Shot shells. 243,431; July 12.

Felbusch, M., San Francisco, Calif. Canned fish, fruits, vegetables, and dried fruits. 230,312; July 12.

Felnberg Kosher Sausage Company, Minneapolis, Minn. Sausages. 249,050; July 12.

Fevrier & Decoisy, Paris, France. Depilatories. 250,019; July 12.

Fidelity Products. (See Glickman, Abraham E.)

Field & Flint Co., Boston and Brockton, Mass. Shoes. 247,070; July 12.

Fillis, James A., Brooklyn, N. Y. Eye, ear, and nose drops, mouth wash, etc. 243,203; July 12.

Fire Gun Manufacturing Company, Inc., Utica, N. Y. Fire-extinguishing apparatus. 246,744; July 12.

Freed, Allie S., New York, N. Y. Automobiles and constructive parts thereof. 248,171; July 12.

Germain Brothers Co., Saginaw, Mich. Toilet seats and tanks. 233,818; July 12.

Glickman, Abraham E., doing business as Fidelity Products, Brooklyn, N. Y. Talcum powder, tooth paste, and salves. 249,117; July 12.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Smoked and dried fish. 247,076; July 12.

Graham Paper Company, St. Louis, Mo. Printing and writing paper. 249,966; July 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gramm Motors, Inc., Lima, Ohio. Motor busses and trucks. 248,634; July 12.
Graves, Chauncey A., Duluth, Minn. Preparation for use as a deodorant, bleach, etc. 248,230; July 12.
Great American Herb Co., The. (See Estes, Llewellyn W.)
Grossman, Isidore, doing business as Grossman Clothing Co., New York, N. Y. Men's outer suits. 249,064; July 12.
Haire Publishing Co., Inc., New York, N. Y. Magazine. 240,650; July 12.
Hal Dick Manufacturing Company, Knoxville, Tenn. Horse-radish, olive spread, cranberry jelly, etc. 244,357; July 12.
Hammond, G. H., Company, Chicago, Ill. Soap. 249,005; July 12.
Hansen, Marion C., doing business as Mrs. Fred H. Hansen, Fresno, Calif. Dried fruits. 233,931; July 12.
Hausman, W. F., Co., The, Cincinnati, Ohio. Malt sirup. 247,187; July 12.
Hicks, Linzy, doing business as Hicks Ice Cream Co., Lexington, Ky. Frozen confections. 248,102; July 12.
Hitzfeld, Marie A. K., vidua de Diego Gomez, Seville, Spain. Olives. 243,153; July 12.
Hollidge, C. Crawford, Boston, Mass. Undergarments and clothing. 244,156; July 12.
Hookless Fastener Company, Meadville, Pa. Separable fastener stringers and separable fasteners. 247,372; July 12.
Howell Company, Inc., The, New Orleans, La. Insecticide. 249,353; July 12.
Hudson Manufacturing Co., Minneapolis, Minn. Hand-operated portable sprayers and parts thereof. 249,901–3; July 12.
Hunt-Rankin Leather Co., Boston, Mass. Leathers. 248,910; July 12.
Hurd, C. R., Brokerage Company, The, Denver, Colo. Tapioca. 245,492; July 12.
International Corset Company, Aurora, Ill. Corsets and hip confiners. 249,424; July 12.
Irvington Company, The. (See Philippi, Louis P.)
Jeffreys, George A., doing business as Jeffreys Laboratories, Calcium, N. Y. Laxative compound for expelling worms from animals. 249,227; July 12.
Johnson Coffee Co., Chattanooga, Tenn. Coffee. 249,478; July 12.
Johnson & Johnson, New Brunswick, N. J. Suspensory bandages. 249,228; July 12.
Johnson's Iver., Arms & Cycle Works, Fitchburg, Mass. Bicycles. 229,632; July 12.
Kade's, Dr., Medicinisch-Pharmaceutisches Fabrikations- u. Exportgeschäft Dr. Franz Lutze, Berlin, Germany. Intestinal germicides. 244,773; July 12.
Kane Furniture Company, Boston, Mass. Refrigerators. 247,320; July 12.
Kasal, Joseph, Chicago, Ill. Malt extract. 247,544; July 12.
Kaufman Department Stores, Inc., Pittsburgh, Pa. Men's furnishings. 246,960; July 12.
Kizenska, John A., Denver, Colo. Ladies' hats. 241,058; July 12.
Klein & Son, Montgomery, Ala. Silver polish. 249,181; July 12.
Knowles, Calvin W., San Francisco, Calif. Eye shades. 246,486; July 12.
Laboratories Jaq Incorporated, New York, N. Y. Medicinal tablets. 249,853; July 12.
Lake and Export Coal Corporation of New York, New York, N. Y. Coal. 248,413; July 12.
Lanschey, H., Inc., New York, N. Y. Preparation for adding inks to obtain certain lithography results. 249,183; July 12.
Lavergne, A. C., Crowley, La. Dyspepsia tablets. 243,609; July 12.
Leon, Karl O., Kidkoping, Sweden. Ball bearings and roller bearings. 235,741; July 12.
Lincoln Packing Co., Lincoln, Calif. Canned fruits. 232,926; July 12.
Maco Manufacturing Co. (See Chouinard, Harry A.)
Macy, R. H., & Co., Inc., New York, N. Y. Hair nets. 236,701; July 12.
Marvin, W. H., Company, The, Urbana, Ohio. Dried currants, dates, mincemeat, and peanut butter. 246,491; July 12.
May Department Stores Company, New York, N. Y. Leather shoes. 245,850; July 12.
Maz Co., The, Altoona, Pa. Pile remedy. 249,978; July 12.
McDougall-Butler Co., Inc., Buffalo, N. Y. Paste white paint. 248,853; July 12.
Melo-Cream Distributing Co. (See Cluever, Edna S.)
Merrill-Clark-Meinig, Inc., New York, N. Y. Gloves, underwear, hosiery, etc. 241,665; July 12.
Metropolitan Vegetable Oil Co. Inc., New York, N. Y. Vegetable oils. 247,806–7; July 12.
Midland Chemical Laboratories, Inc., The, Dubuque, Iowa. Cleaning preparation of soap and other ingredients. 249,740; July 12.
Midwest Sanitarium Corporation, Minneapolis, Minn. Medical preparation for use in the treatment of eczema. 242,201; July 12.
Miles, W. H., Shoe Co., Inc., Richmond, Va. Boots and shoes. 249,668; July 12.
Mingus, Joe W., doing business as One-2-Three Products Co., Los Angeles, Calif. Cleansing fluid for textiles and fabrics. 248,421; July 12.
Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. 249,081; July 12.
Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. 249,083–5; July 12.
Mission Hosiery Mills, Los Angeles, Calif. Hosiery and knit goods. 241,427; July 12.
Model Mill Company, Inc., Johnson City, Tenn. Plain and self-rising flour. 250,086; July 12.
Modern Specialty Company, St. Paul, Minn. Ice cream, baked edible receptacles for ice cream or similar foods, and ice-cream pies. 246,842; July 12.
Montambo, Daniel J., doing business as The Universal Accounting Company, Iron River, Mich. Business record books. 249,016; July 12.
Moonbeam Manufacturing Company, The, Cleveland, Ohio. Traffic-signal-viewing devices. 249,285; July 12.
Morse, A. G., Co., Chicago, Ill. Candy. 250,087; July 12.
Morso Limited, Sydney, New South Wales, Australia. Liquid paints. 243,059; July 12.
Mossman, Joseph B., New Brighton, N. Y. Eye shades, eye blinds, and face masks. 233,385; July 12.
Mountain Valley Springs Company, The, Hot Springs, Ark. Beverages. 248,118–20; July 12.
Nakata, Masahachi, doing business as M. Nakata Co., Seattle, Wash. Logs. 230,496; July 12.
Narrow Fabric Co., The, West Reading and Reading, Pa. Woven label strips. 236,947; July 12.
National Aniline & Chemical Company, Incorporated, New York, N. Y. Dyestuffs. 249,987; July 12.
National Aniline & Chemical Company, Incorporated, New York, N. Y. Dyestuffs. 250,091; July 12.
National Association of Leather Glove and Mitten Manufacturers, Utica, N. Y. Leather gloves. 210,803; July 12.
National Association of Master Plumbers, Wilmington, Del. Publications. 211,369; July 12.
National Council of The Daughters of America of The United States of North America, The, Youngstown, Ohio. Magazine. 248,422; July 12.
New England Brick Company, Boston, Mass. House organ. 247,810; July 12.
No Worry Chemical Co., The, Newark, N. J. Liquid washing fluid. 246,767; July 12.
Nonn, Limited, London, England. Medicated preparations for human use in the treatment of neurasthenia. 245,801; July 12.
Nordburg, W. S., Chicago, Ill. Eggs. 248,646; July 12.
North American Brewing Company, Brooklyn, N. Y. Near beer. 245,574; July 12.
Nuback Underwear Company, Kansas City, Mo. Men's textile-fabric union-suit underwear. 249,430; July 12.
O! Jiggs Candy Co. (See Stamas, George.)
Olympic Foods, Inc., Seattle, Wash. Canned fruits, vegetables, crushed fruit, and canned salmon. 237,469; July 12.
One-2-Three Products Co. (See Mingus, Joe W.)
Packard, M. A., Company, Brockton, Mass. Boots and shoes. 248,437; July 12.
Palmer Bottling Company, Philadelphia, Pa. Ginger ale. 246,845; July 12.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 247,206; July 12.
Pa-Lu Company, The, Washington, D. C. Preparations intended to render pimples temporarily invisible and for use as a styptic for use after shaving, etc. 242,392; July 12.
Parker Hosiery Mill & Dye Works, Inc., Portsmouth, Va. Stockings. 249,536; July 12.
Patent Button Company, The, Waterbury, Conn. Non-precious-metal buttons. 248,717; July 12.
Pathé Exchange, Inc., New York, N. Y. Cinematographic films. 231,206–8; July 12.
Payne Coal Company, Inc., The, Wilkes-Barre, Pa. Coal. 247,564; July 12.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Narrow elastic. 246,983; July 12.
Pennoyer, Charles H., doing business as Community Pulpit, Pawtucket, R. I., and Boston, Mass. Posters. 242,252; July 12.
Peoples Milling Company, Muskegon, Mich. Dairy feed. 250,094; July 12.
Pepin, Arthur H., St. Paul, Minn. Battery compound. 246,928; July 12.
Pfaffmann Egg Noodle Company, The, Cleveland, Ohio. Alimentary paste products. 248,374; July 12.
Pfeffer Milling Company, Lebanon, Ill. Self-rising wheat flour. 241,435; July 12.
Philippi, Louis P., doing business as The Irvington Company, Cable, Wis. Ointments. 244,179; July 12.
Photo-Era Publishing Co., Wolfeboro, N. H. Magazine. 248,721; July 12.
Plapao Laboratories, Inc., doing business as Stuart P. P. Company, St. Louis, Mo. Ointment. 248,513; July 12.
Powers, Patrick A., Los Angeles, Calif., and New York, N. Y. Talking-motion-picture films. 249,750; July 12.
Quaker Oats Company, The, Chicago, Ill. Wheat and corn flour and corn meal. 248,726; July 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rand McNally and Company, Chicago, Ill. Publication. 242,503; July 12.
Refinery Products Limited, London, England. Absorbent earth or clay. 247,964; July 12.
Reichard-Coulston Inc., New York, N. Y. Dry earth pigments. 247,098; July 12.
Reichard-Coulston Inc., New York, N. Y. Dry earth pigments for use particularly in paints. 247,100; July 12.
Reliance Manufacturing Company, Chicago, Ill. Work shirts. 248,058; July 12.
River Raisin Paper Company, Monroe, Mich. Fibrous paper used for shipping cases. 248,256; July 12.
Robinson, Herman, doing business as Robinson's Furniture Mfg. Co., Los Angeles, Calif. Furniture. 246,984; July 12.
Roethlisberger & Co., Herzogenbuchsee, Switzerland. Cheese. 247,572; July 12.
Rubber and Celluloid Products Company, Newark, N. J. Lather brushes. 249,543; July 12.
Rubless Manufacturing Company, New York, N. Y. Washing powder. 241,357; July 12.
Sage Oak Laboratories, Inc., Rawlins, Wyo. Polishing and cleaning compounds. 248,326; July 12.
Sal-O Products Co., Rockford, Ill. Salad dressing. 249,098; July 12.
Savoy Drug and Chemical Company, The, Chicago, Ill. Medicinal food tonic. 247,450; July 12.
Schranck, H. C., Company, Milwaukee, Wis. Malt beverages, extracts, and sirups. 247,218; July 12.
Schuhfabrik Hassia A. G., Offenbach-on-the-Main, Germany. Shoes. 246,780; July 12.
Scoville, Brown & Company, Wellsville, N. Y. Canned vegetables, tea, and coffee. 248,814; July 12.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Boys' suits, vests, pants, and overcoats. 247,824; July 12.
Seymour Packing Co., The, Topeka, Kans. Eggs. 250,001; July 12.
Shellabarger Mills & Elevator Company, Salina, Kans. Wheat flour. 231,124; July 12.
Shipherd, Guy D., Omaha, Nebr. False teeth. 247,825; July 12.
Shoe Form Co., Inc., The, Auburn, N. Y. Shoe forms. 248,731; July 12.
Sigmond, Richard P., Stavanger, Norway. Canned fish. 242,970; July 12.
Silten, Ernst, Berlin, Germany. Medicines, chemical products, etc. 245,664; July 12.
Smiley, Thomas, Company, The, Portland, Me. Hosiery. 249,818; July 12.
Smith, J. P., Shoe Company, Chicago, Ill. Shoes. 243,628; July 12.
Sportmans Club Bev. Co. (See Tucker, G. E.)
Stamas, George, doing business as O! Jiggs Candy Co., Detroit, Mich. Candy. 243,071; July 12.
Standard Corset Company, The, New York, N. Y. Elastic-webbing piece goods. 242,509; July 12.
Standard Solvents Company. (See Swimmer, Jacob C.)
Stanley Works, The, New Britain, Conn. Butts. 249,303; July 12.
Steele and Johnson Mfg. Co., Waterbury, Conn. Pipe holders, ash trays, cigar boxes, etc. 247,499; July 12.
Strathmore Paper Company, Mittineague, Mass. All kinds of writing and printing paper. 248,452; July 12.
Strohmeyer & Arpe Co., New York, N. Y. Canned sardines, concentrated tomato paste, canned tomatoes, etc. 245,116; July 12.
Stuart P. P. Company. (See Plapao Laboratories, Inc.)
Studebaker Corporation, The, South Bend, Ind. Tire covers. 249,614; July 12.
Studebaker Corporation, The, South Bend, Ind. Tire covers. 249,820; July 12.
Stuhr-Seidl Company, Minneapolis, Minn. Ground flax screenings. 249,759; July 12.
Sun Up Coffee, Tea and Cocoa Co. (See Bournakis, Andrew J.)
Swimmer, Jacob C., doing business as Standard Solvents Company, Brooklyn, N. Y. Thinner for lacquer. 249,204; July 12.
Tamarack Ranch, Imperial County, Calif. Fresh fruits and vegetables. 249,552; July 12.
Tennenbaum, Jake, Company, The, Cincinnati, Ohio. Baby walkers, bassinets, beds, etc. 212,704; July 12.
Texas Company, The, Houston, Tex., and New York, N. Y. Insecticides. 249,875; July 12.
Today's Humor, Inc., Oak Park, Ill. Magazine. 248,535; July 12.
Tropical Food Products Company, Jacksonville, Fla. Malt sirup. 249,106; July 12.
Troy Sunshade Company, The, Troy, Ohio. Carpenter's aprons, work and change aprons. 225,208; July 12.
Tucker, G. E., doing business as Sportmans Club Bev. Co., Eldorado Springs, Mo. Beverages sold as soft drinks. 249,247; July 12.
Turell, A. M., Fabrics Corporation, New York, N. Y. Silk fabrics. 249,617; July 12.
Two-Fifty Sweets Co., Haverhill, Mass. Chocolate candy bar. 249,306; July 12.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 230,427; July 12.
Universal Accounting Company, The. (See Montambo, Daniel J.)
Vignes-Bombet Grocer Co. Inc., Baton Rouge, La. Wheat flour. 249,394; July 12.
Wagner, Günther, Hanover, Germany. Liquid drawing inks. 245,008; July 12.
Waldorf Piano Co., New York, N. Y. Piano and player pianos. 231,221; July 12.
Walla Walla Gardener's Association, Walla Walla, Wash. Fresh fruits and vegetables. 232,596; July 12.
Watts, Mary K., Far Rockaway, N. Y. Pressing oil, hair shampoo, etc. 246,318; July 12.
Waukesha Silurian Water Company, Waukesha, Wis. Ginger ale, root beer, etc. 246,792; July 12.
Waverly Oil Works Company, Pittsburgh, Pa. Lubricating oils and greases. 247,721; July 12.
Weaver, Abe J., doing business as Weaver Manufacturing Company, Mesopotamia, Ohio. Medicine for cows. 244,197; July 12.
Weil-Kalter Manufacturing Company, St. Louis, Mo. Ladies' knit underwear. 247,919; July 12.
Western Coal & Coke Co., Milwaukee, Wis. Coal. 249,625; July 12.
Whewell, Joseph, Burnley, England. Maltless extract. 247,402; July 12.
Whitman, Clarence, & Sons, Inc., New York, N. Y. Silk and cotton piece goods. 249,762; July 12.
Whitman, Clarence, & Sons, Inc., New York, N. Y. Cotton piece goods. 249,763; July 12.
Wichita Falls Motor Company, Wichita Falls, Tex. Motor trucks. 235,242; July 12.
Williams, D. T., Valve Company, The, Cincinnati, Ohio. Globe and angle valves, check valves, etc. 248,074; July 12.
Williams, Ichabod T., & Sons, New York, N. Y. Logs. 249,398; July 12.
Williams, Leroy M., St. Louis, Mo. Medicine to aid in digestion of foods. 249,312; July 12.
Winship, Bolt & Co., Wakefield, Mass. Women's and misses' underwear. 223,979; July 12.
Wuille, Dan, & Company, Incorporated, New York, N. Y. Fresh apples. 237,788; July 12.
Zion, Sol, & Co., Philadelphia, Pa. Men's clothing. 244,417; July 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Christmas trees, sword ferns, leaves, etc. G. R. Kirk. 230,185; July 12.
Leather. Barnet Leather Co. 230,192; July 12.

CLASS 2.

Boxes and cartons made from fiber paper. National Fibre Box Company. 229,971; July 12; Serial No. 244,623; published May 3, 1927.

CLASS 3.

Horse and curry cards and hand cards. L. S. Watson Manufacturing Co. 230,094; July 12; Serial No. 236,858; published Apr. 26, 1927.

CLASS 4.

Abrasive papers and cloths. Herman Behr & Company. 230,043; July 12; Serial No. 245,983; published May 3, 1927.
Cleaner. J. A. Reed. 230,188; July 12.
Cleaning preparation. W. S. Woodruff. 230,145; July 12; Serial No. 240,157; published May 3, 1927.
Polish and cleaner, Shoe. Edgewater Shoe Polish Co. 230,177; July 12.
Polish, Metal. Bankers' Metal Polish Co. 229,945; July 12; Serial No. 245,043; published May 3, 1927.
Polish, Metal. S. G. Kopp. 229,941; July 12; Serial No. 245,013; published May 3, 1927.
Polish, Metal. Northern Research Industries. 230,178; July 12.
Polish, Stove. A. H. Paradis. 230,080; July 12; Serial No. 245,406; published May 3, 1927.
Polish, Stove. W. Wierhake. 61,088; renewed Mar. 5, 1927.
Polishing and burnishing material. H. L. Beaver. 229,936; July 12; Serial No. 242,772; published May 3, 1927.
Polishing and dusting cloths, Treated. Arveo Industries. 230,162; July 12; Serial No. 244,205; published May 3, 1927.
Polishing metals, Material for. Bursum Bros. 230,052; July 12; Serial No. 244,849; published May 3, 1927.

Shaving cream, soap, etc. William A. Webster Company. 229,968; July 12; Serial No. 244,641; published May 3, 1927.
Soap. J. Eavenson & Sons, Inc. 230,164; July 12; Serial No. 244,292; published May 3, 1927.
Soap. J. Eavenson & Sons, Inc. 230,165; July 12; Serial No. 244,295; published May 3, 1927.
Soap and sticks, Shaving. Colgate & Company. 230,018; July 12; Serial No. 244,000; published May 3, 1927.
Soap, cleaning compounds, etc. Cenol Company. 230,111; July 12; Serial No. 244,982; published May 3, 1927.
Washing powders and liquid soap. A. Anderson. 230,179; July 12.

CLASS 5.

Paste. Stein, Hall Manufacturing Company. 230,062; July 12; Serial No. 245,666; published Apr. 26, 1927.

CLASS 6.

Antiseptic, astringent, deodorant, etc. Uneeda Drug Co. Inc. 229,969; July 12; Serial No. 244,637; published Apr. 26, 1927.
Antiseptics. Forhan Company. 230,010; July 12; Serial No. 243,933; published Apr. 26, 1927.
Beautifier, rouge, shampoo, hair tonic, etc. Colonial Dames Corporation. 230,030; July 12; Serial No. 244,137; published May 3, 1927.
Benzoic sulfinid or benzoic sulfinid combined with sodium oxid, Impure and pure or refined. Fahlberg, List & Company. 30,524; renewed Aug. 24, 1927.
Bleach, Laundry. Purity Chemical Products Company. 230,050; July 12; Serial No. 244,571; published May 3, 1927.
Borax and boric acid. American Potash & Chemical Corporation. 230,161; July 12; Serial No. 244,203; published May 3, 1927.
Capsules, Pile. Y-O-Ming Company. 230,060; July 12; Serial No. 245,283; published Apr. 26, 1927.
Compound for treating coal for aiding combustion. R. L. Bowers. 30,191; July 12.
Compound from which a treatment is made intended to darken and restore faded, streaked, and gray hair to its otherwise natural color. W. R. Darlington. 230,125; July 12; Serial No. 246,269; published May 3, 1927.
Cough sirup. Henry S. Wampole Company. 230,058; July 12; Serial No. 245,602; published May 3, 1927.
Dentifrice. Graves & Meade & Baker Company. 230,039; July 12; Serial No. 245,906; published May 3, 1927.
Dentifrices. J. S. Tyree, Chemist, Inc. 229,987; July 12; Serial No. 243,039; published May 3, 1927.
Dye, Hair. Inecto Inc. 229,989; July 12; Serial No. 233,316; published May 3, 1927.
Frankfurts, wiener-style sausage, link sausage, etc. C. A. Weitz. 230,100; July 12; Serial No. 243,571; published May 3, 1927.
Glycerin, sweet oil, ammonia, etc. Hallock-Denton Co. 230,143; July 12; Serial No. 239,515; published May 3, 1927.
Hairdressing. Joseph Burnett Company. 230,123; July 12; Serial No. 246,413; published May 3, 1927.
Hair grower and dressing. R. C. Whitman. 229,953; July 12; Serial No. 245,176; published May 3, 1927.
Hair washes, hair preparations, etc. C. Boudou. 230,088; July 12; Serial No. 235,452; published May 3, 1927.
Insecticide. Killem Manufacturing Company. 230,011; July 12; Serial No. 243,952; published May 3, 1927.
Insecticide. W. S. Michelback. 229,973; July 12; Serial No. 244,621; published May 3, 1927.
Insecticides. M. L. Bernstein. 229,915; July 12; Serial No. 246,320; Published May 3, 1927.
Insecticides. W. R. Powell. 230,121; July 12; Serial No. 246,500; published May 3, 1927.
Insecticides. B. D. Smith. 229,949; July 12; Serial No. 245,111; published Apr. 26, 1927.
Insecticides, insect repellents, and disinfectants. Richard W. Leonard, Inc. 230,071; July 12; Serial No. 243,274; published Apr. 26, 1927.
Laxative drinks. Citrus Chemical Corporation. 230,126; July 12; Serial No. 246,267; published May 3, 1927.
Laxative emulsion. Milks Emulsion Co. 229,958; July 12; Serial No. 245,281; published Apr. 26, 1927.
Laxative tablets. R. C. Wrede. 230,156; July 12; Serial No. 238,824; published May 3, 1927.
Liniment, hairdressing and shampoo, and face creams. W. F. Wilson. 230,097; July 12; Serial No. 243,900; published May 3, 1927.
Lotion for cracked, chapped, and bleeding hands. W. C. Meyer. 229,942; July 12; Serial No. 245,018; published Apr. 26, 1927.
Lotion, Hand. P. Graham. 230,124; July 12; Serial No. 246,344; published May 3, 1927.
Medical preparation. A. Sparta. 230,070; July 12; Serial No. 243,241; published May 3, 1927.
Medicinal agents. Menely & James, Ltd., New York. 229,939; July 12; Serial No. 242,957; published May 3, 1927.
Medicinal preparation. S. A. Goldstein. 229,996; July 12; Serial No. 244,555; published May 3, 1927.
Medicinal preparation. Hoffman-La Roche Chemical Works. 230,059; July 12; Serial No. 245,642; published Apr. 26, 1927.
Medicinal preparations. E. Deschiens. 229,922; July 12; Serial No. 240,646; published Apr. 26, 1927.
Medicinal preparations. Upjohn Company. 230,122; July 12; Serial No. 246,451; published May 3, 1927.
Medicine for poultry and livestock, Worm. Geo. H. Lee Co. 230,189; July 12.
Medicine for use to rejuvenate glands, build health, etc. Fallxas Laboratory. 230,086; July 12; Serial No. 245,538; published May 3, 1927.
Nail polish. Reichman & Faust. 229,970; July 12; Serial No. 244,629; published May 3, 1927.
Oil, Antiseptic healing. Paris Medicine Co. 230,046–7; July 12; Serial Nos. 246,048–9; published May 3, 1927.
Oil, Mineral. Crystal Chemical Company. 230,066; July 12; Serial No. 246,082; published May 3, 1927.
Oil, Tasteless castor. Abbott Laboratories. 229,982; July 12; Serial No. 232,059; published Apr. 26, 1927.
Oils. A. L. Van Ameringen. 230,168; July 12; Serial No. 244,337; published May 3, 1927.
Perfume. J. Le Bloas. 230,176; July 12.
Perfume, toilet water, face powder, and sachet. Bourjois, Inc. 230,127; July 12; Serial No. 246,265; published May 3, 1927.
Perfume, toilet water, face powder, etc. M. Babani. 230,032; July 12; Serial No. 245,775; published May 3, 1927.
Perfume, toilet water, rouge, etc. Societe du Louvre (Societe Anonyme). 230,034; July 12; Serial No. 245,811; published May 3, 1927.
Perfumery and toilet water. Caron Corporation. 230,155; July 12; Serial No. 238,483; published Apr. 26, 1927.
Perfumes. D. P. Paul & Co. Inc. 230,061; July 12; Serial No. 245,653; published Apr. 26, 1927.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 229,921; July 12; Serial No. 240,491; published May 3, 1927.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 230,146; July 12; Serial No. 240,256; published May 3, 1927.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 230,147; July 12; Serial No. 240,302; published May 3, 1927.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 230,149; July 12; Serial No. 240,351; published May 3, 1927.
Perfumes, essences of perfumes, aromatic materials, etc. A. L. van Ameringen. 229,950; July 12; Serial No. 245,118; published Apr. 26, 1927.
Perfumes, floral water, bath salts, face powder, etc. William Bloom & Company. 230,104; July 12; Serial No. 243,685; published May 3, 1927.
Perfumes, toilet waters, etc. La Salle Products, Inc. 229,961; July 12; Serial No. 228,384; published May 3, 1927.
Powder and cream, Face. Armand Company. 229,954; July 12; Serial No. 245,183; published Apr. 26, 1927.
Powder employed as a radiator cleanser. Walrod Chemical Company. 230,014; July 12; Serial No. 243,570; published May 3, 1927.
Powders, creams, and packs, etc., Face. Heather Company. 229,919–20; July 12; Serial Nos. 246,279–80; published May 3, 1927.
Powders, creams, packs, toilet waters, rouges, etc., Face. Lundborg, Inc. 230,105; July 12; Serial No. 243,718; published May 3, 1927.
Powders, creams, packs, toilet waters, rouges, perfumes, etc., Face. A. P. Babcock Company. 230,103; July 12; Serial No. 243,681; published May 3, 1927.
Powders, talcum powders, etc., Face. F. A. Schwannecke. 230,117; July 12; Serial No. 246,636; published May 3, 1927.
Preparation for the treatment of the scalp, toilet water, cold cream, etc. P. Weidenmiller. 229,988; July 12; Serial No. 233,151; published Aug. 24, 1926.
Preparation for use in the treatment of pellagra and chronic indigestion. L. D. Wiley. 229,975; July 12; Serial No. 244,588; published May 3, 1927.
Preparation of alkaline salts. Fairchild Bros. & Foster. 229,912; July 12; Serial No. 246,154; published May 3, 1927.
Preparations, Dropsy and heart. H. E. Kerley. 230,159; July 12; Serial No. 239,117; published May 3, 1927.
Remedies and salve, Eye. Murine Company. 229,940; July 12; Serial No. 242,958; published May 3, 1927.
Remedies, Rheumatic. Phillips Drug Co. 51,088; renewed Apr. 3, 1926.
Salt. Ohio Match Company. 229,943; July 12; Serial No. 245,025; published Apr. 26, 1927.
Salt. Salt Union Limited. 64,649; renewed Aug. 13, 1927.
Salve, Gall. F. B. Dennie. 65,523; renewed Oct. 8, 1927.
Silver nitrate. A. J. Hockings. 229,918; July 12; Serial No. 246,284; published May 3, 1927.
Tanning compound. Mathieson Alkali Works, Inc. 230,045; July 12; Serial No. 246,039; published May 3, 1927.
Tonic, General. Parke, Davis & Company. 229,910; July 12; Serial No. 246,175; published May 3, 1927.
Tonic, hair straightener, hair shampoo, toilet powder, etc., Hair. H. Jackson. 230,110; July 12; Serial No. 245,494; published Apr. 26, 1927.
Tonic, mouth wash, etc., Hair. Jünger & Gebbardt Akt. Ges. 229,991; July 12; Serial No. 234,127; published Apr. 26, 1927.
Tooth paste. E. Gorodess. 229,957; July 12; Serial No. 245,267; published Apr. 26, 1927.

Tooth paste. Lehn & Fink, Inc. 229,966; July 12; Serial No. 244,701; published Apr. 26, 1927.
Tooth paste, mouth wash, hand lotion, etc. G. R. Love. 230,114; July 12; Serial No. 244,454; published May 3, 1927.
Water softener and a bleaching and cleansing solution. T. J. Cadorette. 229,924; July 12; Serial No. 240,956; published Apr. 12, 1927.

CLASS 8.

Pipes. Knowles & Company. 229,938; July 12; Serial No. 242,787; published May 3, 1927.
Pipes. L. & H. Stern, Inc. 230,130; July 12; Serial No. 246,236; published May 3, 1927.

CLASS 9.

Matches. Kroger Grocery & Baking Co. 230,186; July 12.

CLASS 10.

Phosphates and fertilizers. Phosphates de Saint-Symphorien. 229,965; July 12; Serial No. 244,718; published May 3, 1927.

CLASS 12.

Concrete blocks, tiles, blocks, lintels, pier blocks, etc., Cinder. Cincrete, Inc. 229,997; July 12; Serial No. 211,977; published June 23, 1925.
Plastic cement. Southwestern Portland Cement Company. 230,173; July 12.

CLASS 13.

Fixtures, Bathroom. J. H. Balmer Co. 230,180; July 12.
Lead-coated articles. American Machine & Foundry Company. 230,085; July 12; Serial No. 245,527; published May 3, 1927.
Molds, Chocolate. A. Reiche. 61,452; renewed Mar. 19, 1927.
Spring-sash balances. A. H. Kersting. 229,911; July 12; Serial No. 246,133; published May 3, 1927.

CLASS 16.

Lacquer. J. F. Kurfees Paint Company. 229,962; July 12; Serial No. 244,831; published May 3, 1927.
Paints and paint enamels. Eclipse White Lead & Color Company. 230,160; July 12; Serial No. 244,206; published Apr. 26, 1927.
Paints and varnishes. F. A. Glidden. 30,168; renewed June 8, 1927.
Paints, Roofing. Black Diamond Manufacturing Co. 62,018; renewed Apr. 16, 1927.
Paints, varnishes, and lacquers. H. Reichhold. 230,009; July 12; Serial No. 227,474; published Apr. 26, 1927.
Polish, Floor. Continental Chemical Corporation of Illinois. 229,967; July 12; Serial No. 244,669; published May 3, 1927.
Varnish and automobile enamel. Standard Insulation Company. 230,073; July 12; Serial No. 243,394; published May 3, 1927.
Varnishes. Marietta Paint & Color Company. 230,096; July 12; Serial No. 236,943; published Apr. 26, 1927.

CLASS 17.

Cigars, cigarettes, cheroots, etc. Rosedor Cigarette Co. 230,190; July 12.

CLASS 19.

Automobiles and constructive parts thereof. Packard Motor Car Company. 230,021; July 12; Serial No. 206,365; published Apr. 26, 1927.
Trucks, Motor. Reo Motor Car Company. 230,182; July 12.
Vehicle springs and bumpers. Bens Spring Co. 229,984; July 12; Serial No. 232,247; published Aug. 10, 1926.

CLASS 21.

Generating plants, Wind-driven. Perkins Corporation. 230,075; July 12; Serial No. 239,822; published Apr. 12, 1927.
Stop lights and stop-light signals, parking lights, etc. H. G. Beyer. 229,999; July 12; Serial No. 212,775; published July 14, 1925.

CLASS 22.

Baseballs, bats, masks, protectors, boxing gloves, etc. A. J. Reach Company. 230,076; July 12; Serial No. 245,296; published May 3, 1927.
Cards, Playing. Paterson, Simons & Co. Ltd. 230,152; July 12; Serial No. 237,040; published May 3, 1927.
Doll outfits, Crepe-paper. Dennison Manufacturing Company. 229,974; July 12; Serial No. 244,606; published May 3, 1927.
Dolls and toys. Jacobs & Kassler. 230,089; July 12; Serial No. 236,132; published Jan. 18, 1927.
Fishing reels. Enterprise Manufacturing Company. 229,914; July 12; Serial No. 246,089; published May 3, 1927.
Toy animals. Dean's Rag Book Co. Ltd. 230,083; July 12; Serial No. 245,478; published May 3, 1927.

CLASS 23.

Automobile accessory. Fisher & Rockwell. 230,053; July 12; Serial No. 244,859; published May 3, 1927.
Automobile transmissions. Warner Gear Company. 229,964; July 12; Serial No. 244,805; published May 3, 1927.
Can openers. Columbia Metal Products Company. 230,132; July 12; Serial No. 246,197; published May 3, 1927.
Cementitious compositions, Apparatus for spraying or forcibly ejecting. Carborundum Company. 229,978; July 12; Serial No. 228,846; published May 3, 1927.
Cutlery and all other hand tools having a cutting edge. Edgar Allen & Co. Limited. 63,521; renewed June 25, 1927.
Cutlery and edge tools. Seebohm & Dieckstahl Ld. 63,618; renewed July 2, 1927.
Cutlery in general and other hand tools having a cutting edge. Jonas & Colver Limited. 63,405; renewed June 18, 1927.
Cutlery in general and other hand tools having a cutting edge. Jonas & Colver Limited. 64,244; renewed July 30, 1927.
Derailers. H. Sabrowske. 230,131; July 12; Serial No. 246,230; published May 3, 1927.
Drawplates, draw nozzles, etc. Gewerkschaft Wallram, Abteilung Metallwerke. 229,981; July 12; Serial No. 231,801; published May 3, 1927.
Engines, Internal-combustion. Sterling Engine Company. 230,067; July 12; Serial No. 243,178; published May 3, 1927.
Forks, knives, carving sets, etc. Republic Metalware Co. 230,160; July 12; Serial No. 239,429; published May 3, 1927.
Jacks, Lifting. Watson Middlemiss Co. 230,157; July 12; Serial No. 238,930; published May 3, 1927.
Knives, forks, and razors, Handles for. Wade & Butcher Corporation. 230,115; July 12; Serial No. 244,523; published May 3, 1927.
Planes, Hand. Stanley Works. 230,038; July 12; Serial No. 245,868; published May 3, 1927.
Pumps and pumping apparatus. Delco-Light Company. 230,112–13; July 12; Serial Nos. 244,994–5; published May 3, 1927.
Pumps, Vacuum. Central Scientific Company. 230,041; July 12; Serial No. 245,956; published May 3, 1927.
Saws, knives, etc. E. C. Atkins & Company. 230,153; July 12; Serial No. 237,307; published May 3, 1927.
Sewing-machine heads and attachments. A. G. Mason. 66,140; renewed Nov. 12, 1927.
Sewing-machine needles. L. Lammertz. 64,364; renewed Aug. 6, 1927.
Sewing machines. Priscilla Company. 229,913; July 12; Serial No. 246,120; published May 3, 1927.
Shovels, hoes, etc. Anchor Hardware Stores Co. 229,983; July 12; Serial No. 232,115; published May 3, 1927.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,923; July 12; Serial No. 240,943; published May 3, 1927.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,925; July 12; Serial No. 241,017; published May 3, 1927.
Slitting machines. Charles Koegel's Sons, Inc. 230,064; July 12; Serial No. 245,728; published May 3, 1927.
Snips, pliers, wrenches, Tinners'. W. T. Grant Company. 230,183; July 12.
Spindles, rings, fliers, and rolls of textile machinery. Whitin Machine Works. 230,090; July 12; Serial No. 236,186; published Nov. 9, 1926.
Tools, Edge. W. K. & C. Peace Limited. 63,410; renewed June 18, 1927.
Typewriting machines. Smith Premier Typewriter Company. 229,959; July 12; Serial No. 245,230; published May 3, 1927.
Wrenches. Whitman & Barnes Manufacturing Company. 51,576; renewed Apr. 17, 1926.
Wrenches. Whitman & Barnes Manufacturing Company. 54,259; renewed June 26, 1926.

CLASS 26.

Field and opera glasses. E. Harwix. 230,042; July 12; Serial No. 245,982; published May 3, 1927.
Measuring machines for remote temperature reading and recording. W. A. Baker. 65,315; renewed Sept. 17, 1927.
Measuring spoons. A. & J. Manufacturing Co. 230,128; July 12; Serial No. 246,258; published May 3, 1927.
Photographic sensitized materials. Eastman Kodak Company. 230,020; July 12; Serial No. 200,436; published Sept. 9, 1924.
Quantity-recording and receipt-issuing machines used in the sale of gasoline. Gasoline Register Company. 229,992; July 12; Serial No. 234,297; published May 3, 1927.
Spectacle frames. White-Haines Optical Company. 230,098; July 12; Serial No. 243,907; published May 3, 1927.

CLASS 29.

Brushes and griddle greasers. A. & J. Manufacturing Co. 230,129; July 12; Serial No. 246,257; published May 3, 1927.
Windshield cleaners of the squeegee type. Trico Products Corporation. 230,078; July 12; Serial No. 245,389; published May 3, 1927.

Windshield wipers of the squeegee type and parts thereof. Ludden-Burton Company. 229,948; July 12; Serial No. 245,101; published May 3, 1927.

CLASS 31.

Refrigerators, Electrical. R. H. Macy & Co. 229,947; July 12; Serial No. 245,067; published Apr. 26, 1927.

CLASS 32.

Bed springs. Roberti Bros. 230,025; July 12; Serial No. 244,025; published May 3, 1927.
Cabinets, card tables, Windsor chairs, etc., Kitchen, Palmis Royal, Inc., The. 230,028; July 12; Serial No. 244,099; published May 3, 1927.
Davenports, chairs, footstools, etc., Upholstered. Buffalo Lounge Company. 230,138; July 12; Serial No. 242,472; published May 3, 1927.
Mattresses. A. Nelman & Co. 230,006; July 12; Serial No. 223,735; published Mar. 2, 1926.
Phonograph and radio cabinets. J. Berg. 230,000; July 12; Serial No. 212,849; published Aug. 4, 1925.

CLASS 33.

Glass. Williamsport Mirror and Glass Company. 229,980; July 12; Serial No. 231,224; published May 3, 1927.

CLASS 34.

Stoves, ranges, and furnaces and parts thereof. Summit Foundry Company. 66,204; renewed Nov. 12, 1927.

CLASS 35.

Belting and belt lacing, Leather. Browning-Roberts Belting Company. 229,963; July 12; Serial No. 244,816; published May 3, 1927.
Tire covers. Pierce-Arrow Motor Car Company. 229,998; July 12; Serial No. 212,399; published May 3, 1927.
Tires and inner tubes, Resilient vehicle. Mohawk Rubber Company. 230,044; July 12; Serial No. 245,997; published May 3, 1927.
Washers, Paper, rubber, asbestos, and felt. E. S. Wagenseller. 230,187; July 12.

CLASS 37.

Books, Bound and loose-leaf car record. R. L. Towers. 230,171; July 12.
Crayons, School and artists' American Crayon Company. 230,109; July 12; Serial No. 244,202; published May 3, 1927.
Filing folders. Filing Equipment Bureau Incorporated. 230,174; July 12.
Index devices, etc. Bates Manufacturing Company. 230,150; July 12; Serial No. 240,397; published May 3, 1927.
Paper, Wall. Alfred Peats Co. 62,789; renewed May 28, 1927.
Paper, Wrapping. E. C. Palmer & Co. 230,184; July 12.
Paper, Writing. H. Grover. 229,932; July 12; Serial No. 242,533; published May 3, 1927.
Pencil sharpeners. M. B. M. Products Corporation. 230,033; July 12; Serial No. 245,795; published May 3, 1927.
Stationery. Paragraving Press, Inc. 230,107; July 12; Serial No. 243,826; published May 3, 1927.

CLASS 38.

Calendars, Wall. Worzella Publishing Company. 230,017; July 12; Serial No. 243,989; published May 3, 1927.
Cards, books, and booklets, Greeting. Ecker & Co. Inc. 230,026–7; July 12; Serial Nos. 244,065–6; published May 3, 1927.
Column of news. Morning Telegraph Company. 229,972; July 12; Serial No. 244,622; published May 3, 1927.
Magazine. Men's Wear Service Corporation. 230,031; July 12; Serial No. 245,740; published May 3, 1927.
Magazine. United Fuel & Supply Company. 229,934; July 12; Serial No. 242,633; published May 3, 1927.
Newspaper. A. S. Abell Company. 230,093; July 12; Serial No. 236,826; published Dec. 7, 1926.
Newspaper, Name of a daily. Sun Printing and Publishing Association. 229,985; July 12; Serial No. 232,297; published Dec. 21, 1926.
Paper, Trade. St. Petersburg Bond & Mortgage Company. 230,029; July 12; Serial No. 244,111; published May 3, 1927.
Picture pages, picture strips, etc., Comic. H. L. Gray. 229,927; July 12; Serial No. 242,122; published May 3, 1927.

CLASS 39.

Bibs, baby pants, aprons, etc. Kase-Quinby Rubber Company. 229,960; July 12; Serial No. 227,801; published Apr. 26, 1927.
Boots and high and low cut leather shoes, Leather. Leonard, Shaw & Dean. 63,238; renewed June 11, 1927.
Boots and shoes, Leather. Hand Made Boot & Shoe Co. 62,940; renewed May 28, 1927.
Boots, shoes, rubbers, overshoes, etc. Firestone Footwear Company. 229,976; July 12; Serial No. 238,902; published Apr. 26, 1927.
Brassières. G. M. Poix, Inc. 230,081; July 12; Serial No. 245,407; published Apr. 26, 1927.
Clothing. Moore-Smith Company. 63,681; renewed July 2, 1927.
Clothing. Victor Sporting Goods Co. 65,107; renewed Sept. 10, 1927.
Coats, hats, and dresses, Ladies'. Joseph and Milton. 229,977; July 12; Serial No. 228,703; published Apr. 27, 1926.
Coats, vests, trousers, etc. Leopold & Company. 230,133–4; July 12; Serial Nos. 243,097–8; published Apr. 26, 1927.
Glove and a mitten of fabric. Harpham Brothers Company. 230,137; July 12; Serial No. 242,993; published Apr. 26, 1927.
Headwear. Moore-Smith Company. 63,682; renewed July 2, 1927.
Hosiery. A. B. Andrews Company. 65,662; renewed Oct. 15, 1927.
Hosiery. Buster Brown Stocking Company. 51,981; renewed May 1, 1926.
Hosiery. Jordan Marsh Company. 229,946; July 12; Serial No. 245,055; published Apr. 26, 1927.
Hosiery. Julius Kayser & Co. 230,102; July 12; Serial No. 243,654; published Apr. 26, 1927.
Hosiery. P. O. Kuehn. 229,952; July 12; Serial No. 245,147; published Apr. 26, 1927.
Hosiery. Richmond Hosiery Mills. 65,326; renewed Sept. 17, 1927.
Hosiery. Chas. A. Stevens & Bros. 230,077; July 12; Serial No. 245,303; published Apr. 26, 1927.
Hosiery and shoes. S. Rosen. 230,003; July 12; Serial No. 217,113; published Apr. 26, 1927.
Hosiery, Ladies'. Mandel & Cohen. 229,930; July 12; Serial No. 241,946; published Apr. 26, 1927.
Pants, vests, coats, and suits, Men's. Hart Company. 229,926; July 12; Serial No. 241,100; published Apr. 19, 1927.
Raincoats. Sol. W. Katz & Company. 230,084; July 12; Serial No. 245,495; published Apr. 26, 1927.
Shirts, negligee shirts, blouses, boys' shirts, and pyjamas, Dress. S. Liebovitz & Sons, Inc. 230,101; July 12; Serial No. 243,610; published Apr. 26, 1927.
Shirts, overalls, and overall suits, Work. Wheatley & Schwabe. 230,099; July 12; Serial No. 243,904; published Apr. 26, 1927.
Stockings and socks, Stump. Sterling Stocking Co. 230,012; July 12; Serial No. 243,979; published Apr. 26, 1927.
Suits and coats, Men's. Hart, Schaffner & Marx. 230,069; July 12; Serial No. 243,210; published Apr. 26, 1927.
Suits and overcoats, Men's and young men's. S. J. Levy & Co. Inc. 230,082; July 12; Serial No. 245,443; published Apr. 26, 1927.
Suits, Bathing. Bradley Knitting Company. 230,163; July 12; Serial No. 244,211; published Apr. 26, 1927.
Underwear. Henderson and Ervin. 230,095; July 12; Serial No. 236,897; published Apr. 26, 1927.
Underwear and bathing suits. Brown-Durrell Co. 229,990; July 12; Serial No. 234,080; published Apr. 26, 1927.

CLASS 42.

Bedcovers, bedspreads, etc. C. H. Dunster. 230,055; July 12; Serial No. 244,920; published May 3, 1927.
Cotton piece goods. Victor Monaghan Company. 230,119; July 12; Serial No. 246,579; published May 3, 1927.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 230,118; July 12; Serial No. 246,591; published May 3, 1927.
Repp in the piece, 50-inch. Cohn Hall Marx Co. 229,929; July 12; Serial No. 241,823; published May 3, 1927.
Rugs, Axminster. Marshall Field & Company. 230,181; July 12.
Sheets, pillowcases, spreads, etc. Cotton bed. Kaufmann Department Stores, Inc. 229,928; July 12; Serial No. 241,288; published May 3, 1927.

CLASS 43.

Thread, Silk. Soieries Coudurier, Fructus & Descher de New York, Inc. 230,019; July 12; Serial No. 188,643; published May 3, 1927.
Yarns. J. C. Penny Company. 230,120; July 12; Serial No. 246,565; published May 3, 1927.

CLASS 44.

Atomizers for perfume and the like. Marcel Franck, Inc. 230,054; July 12; Serial No. 244,860; published Apr. 26, 1927.
Prophylactic rubber articles for the prevention of contagious diseases. Youngs Rubber Corporation, Inc. 229,993; July 12; Serial No. 234,605; published Apr. 26, 1927.
Rectifying switches and X-ray apparatus, Rotary. Victor X-Ray Corporation. 230,001; July 12; Serial No. 214,900; published Apr. 26, 1927.
Sanitary napkins. Hospital Specialty Co. 230,158; July 12; Serial No. 239,111; published Apr. 26, 1927.
Switches and X-ray apparatus, Rotary rectifying. Victor X-Ray Corporation. 230,002; July 12; Serial No. 214,901; published Apr. 26, 1927.

CLASS 45.

Ginger ale and beverages sold as soft drinks. H. Woertz. 229,935; July 12; Serial No. 242,646; published May 3, 1927.

Grape juice. Vintner Import Company. 229,944; July 12; Serial No. 245,038; published May 3, 1927.
Sirup, Grape. W. H. Manchester. 230,079; July 12; Serial No. 245,403; published May 3, 1927.
Water, Mineral. W. Baird. 65,431; renewed Sept. 24, 1927.

CLASS 46.

Bread. Joe Lowe Co. Inc. 230,022; July 12; Serial No. 208,410; published Apr. 26, 1927.
Bread. Martyn Rosse Co. 230,148; July 12; Serial No. 240,311; published Apr. 26, 1927.
Bread. White Hall Baking Company. 230,013; July 12; Serial No. 243,986; published Apr. 26, 1927.
Breads, cakes, and pastries. Cambern Brothers. 230,092; July 12; Serial No. 236,734; published May 3, 1927.
Butter. Corbin & Weismer. 229,994; July 12; Serial No. 234,700; published Nov. 2, 1926.
Butter. Southern Cream and Milk Company. 230,036; July 12; Serial No. 245,812; published Apr. 26, 1927.
Cakes. Fritchie Home Company. 230,063; July 12; Serial No. 245,704; published Apr. 26, 1927.
Candies. H. J. A. Hackenberg. 230,001; July 12; Serial No. 236,608; published May 3, 1927.
Candy. Chandler and Rudd Company. 230,049; July 12; Serial No. 246,074; published May 3, 1927.
Canned fruits and vegetables. Hollister Canning Company. 230,172; July 12.
Canned peas. Minnesota Valley Canning Company. 230,035; July 12; Serial No. 245,798; published May 3, 1927.
Canned peas and corn. F. P. Roe & Bro. 64,924; renewed Aug. 27, 1927.
Canned red beans, kidney beans, corn, peas, etc. Henry Borgsmiller & Sons. 230,068; July 12; Serial No. 243,193; published Apr. 26, 1927.
Canned sauerkraut. Castle Company. 230,106; July 12; Serial No. 243,748; published May 3, 1927.
Canned vegetables, canned pork and beans, and pickles. Kuner Pickle Co. 229,933; July 12; Serial No. 242,540; published Apr. 26, 1927.
Cereal. Wheat Fruit Cereal Co. Inc. 230,139; July 12; Serial No. 242,034; published Apr. 26, 1927.
Cereal, Wheat. Bushman Milling Co. 230,116; July 12; Serial No. 244,538; published Apr. 26, 1927.
Cheese. George Enlenberger & Company. 230,024; July 12; Serial No. 244,003; published Apr. 26, 1927.
Cheese. Fish & Lenox Co. 230,154; July 12; Serial No. 237,544; published Feb. 15, 1927.
Cheese, French Gruyère. Fromageries Bel. 230,016; July 12; Serial No. 243,537; published May 3, 1927.
Cheese, French Gruyère. Fromageries Bel. 230,141–2; July 12; Serial Nos. 243,535–6; published May 3, 1927.
Cocoa, chocolate, and candy. Rowntree & Company. 230,151; July 12; Serial No. 240,444; published May 3, 1927.
Coffee. Bulgas, Santos & Co. 230,040; July 12; Serial No. 245,955; published May 3, 1927.
Coffee. Crocker-Sprague Company. 230,169; July 12; Serial No. 244,394; published Apr. 26, 1927.
Coffee, tea and spices, etc. Wm. Grossman Co. 230,007; July 12; Serial No. 225,303; published Apr. 26, 1927.
Cooky cakes. Independent Baking Co. 230,037; July 12; Serial No. 245,843; published Apr. 26, 1927.
Crackers and candy. Pacific Coast Biscuit Co. 230,015; July 12; Serial No. 243,559; published Apr. 26, 1927.
Doughnuts. E. S. Goldhill. 230,004; July 12; Serial No. 219,328; published May 3, 1927.
Eggs. Brooklyn Butter & Egg Protective Association. 230,057; July 12; Serial No. 244,978; published May 3, 1927.
Eggs. Palmdale Fruit & Egg Farm. 230,167; July 12; Serial No. 244,316; published Apr. 26, 1927.
Extracts, Flavoring. Virginia Dare Extract Co. 230,170; July 12.
Flour, stock and poultry feeds, Wheat. Coles Company. 229,979; July 12; Serial No. 228,975; published Apr. 26, 1927.
Flour, Wheat. Climax Milling Co. 65,522; renewed Oct. 8, 1927.
Flour, Wheat. Climax Milling Co. 65,695; renewed Oct. 15, 1927.
Flour, Wheat. Samuel Knighton & Sons, Inc. 229,916–7; July 12; Serial Nos. 246,292–3; published May 3, 1927.
Flour, Wheat. Loudonville Milling Company. 230,087; July 12; Serial No. 245,569; published Apr. 26, 1927.
Flour, Wheat. Minneapolis Milling Company. 230,140; July 12; Serial No. 242,018; published Apr. 26, 1927.
Flour, Wheat. Washburn Crosby Company. 230,051; July 12; Serial No. 244,840; published Apr. 26, 1927.
Flour, Wheat. Washburn Crosby Company. 230,065; July 12; Serial No. 245,767; published Apr. 26, 1927.
Flour, Wheat. Wichita Mill & Elevator Company. 230,048; July 12; Serial No. 246,061; published May 3, 1927.
Flour, Wheat and self-rising. Model Mill Company. 230,023; July 12; Serial No. 209,051; published Aug. 24, 1926.
Foods, Animal and poultry. Wm. Schluderberg-T. J. Kurdle Co. 230,144; July 12; Serial No. 239,680; published Apr. 26, 1927.
Fruits, Fresh citrous. La Verne Orange Association. 230,072; July 12; Serial No. 243,376; published May 3, 1927.
Grapes, Fresh. G. Zaninovich. 229,995; July 12; Serial No. 234,810; published Apr. 26, 1927.
Hams, sliced bacon, lard, and sausage. Indianapolis Abattoir Corporation. 230,175; July 12.
Ice cream. Eskimo Pie Corporation. 229,951; July 12; Serial No. 245,143; published Apr. 26, 1927.
Ice cream and ices, Powder used in the manufacture of. F. A. Beeler. 62,677; renewed May 21, 1927.
Ice-cream confection. Reid Ice Cream Corporation. 230,074; July 12; Serial No. 243,456; published Apr 26, 1927.
Mayonnaise salad dressing, mustard, etc. Capital Food Products Company. 230,005; July 12; Serial No. 219,418; published Apr. 26, 1927.
Milk, Evaporated. American Milk Product Co. 62,894; renewed May 28, 1927.
Peanuts, Salted. T. J. Worstell. 230,136; July 12; Serial No. 243,076; published May 3, 1927.
Pectin and acidified sugar, etc., Mixture of powdered. Speas Manufacturing Company. 229,955; July 12; Serial No. 245,232; published May 3, 1927.
Pies. Burns-Bowe Baking Company. 229,986; July 12; Serial No. 232,605; published July 27, 1926.
Pork sausage and bacon. White Cash Market Company. 230,135; July 12; Serial No. 242,644; published May 3, 1927.
Products, Farm, orchard, or milk. M. H. Moody. 230,008; July 12; Serial No. 226,012; published Apr. 26, 1927.
Salad oil. M. Heller. 230,056; July 12; Serial No. 244,933; published Apr. 26, 1927.
Tomato sauce, macaroni, and olive oil. Cellas', Inc. 229,937; July 12; Serial No. 242,816; published Apr. 26, 1927.
Tomatoes, Fresh. Biederman Bros. Produce Co. 229,956; July 12; Serial No. 246,264; published May 3, 1927.
Vegetables, Fresh. Valley Produce Company. 230,108; July 12; Serial No. 243,899; published May 3, 1927.

CLASS 47.

Champagne. Werle & Co. 66,149; renewed Nov. 12, 1927.
Wine, Port. John Graham & Company. 60,717; renewed Feb. 19, 1927.

CLASS 48.

Malt sirup for food purposes. Southwark Food Products Co. 229,931; July 12; Serial No. 241,969; published Apr. 26, 1927.
Stout. Arthur Guinness, Son & Company. 63,040–1; renewed June 4, 1927.

CLASS 49.

Brandy, Apricot. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. 62,336; renewed Apr. 23, 1927.
Cordial. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. 62,200; renewed Apr. 23, 1927.
Cordial. Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine et Compagnie. 62,370–1; renewed Apr. 30, 1927.

ALPHABETICAL LIST OF LABELS.

Acme Thread Mills. For Thread. J. H. Wahlers. 32,449; July 12.
Boralin Germicidal Cooling Sedative. For Medicinal Ointments. H. Leveen. 32,426; July 12.
Bunnydown. For Toilet Paper. Northern Paper Mills. 32,436; July 12.
C-Em-Die. For Insecticide and Germicide. Morgan & Company. 32,428; July 12.
Chas. Hollenbach Roll. For Meat Products. C. Hollenbach. 32,418; July 12.
Cherry Brand Baby Clams. For Clams. Mutual Supply Company. 32,431; July 12.
Chocolate Thinmints. For Candy. A. M. Wood. 32,452; July 12.
Eagon's Veterinary Remedy For Cattle. For Veterinary Remedy. J. A. Eagon. 32,413; July 12.
Emil J. Brach's Kitchen Made Chocolates. For Candy. E. J. Brach & Sons. 32,405; July 12.
Empire Flax Mills. For Twine. J. H. Wahlers. 32,450; July 12.
Every Package its Own Ice Box. For Frozen Carbon Dioxide with a Commodity to be Refrigerated Thereby. Dryice Corporation of America. 32,412; July 12.
Excella Creamery Butter. For Butter. W. Doane. 32,411; July 12.

Flying Cloud. For Toilet Paper. Northern Paper Mills. 32,437; July 12.
Green Garden Salad Dressing. For Salad Dressing. L. H. Johnson. 32,422; July 12.
Home Creamery Butter. For Butter. W. Doane. 32,410; July 12.
Iowa State Brand. For Butter. Menasha Printing and Carton Company. 32,427; July 12.
Kit Oil. For Kit Oil. Kit Manufacturing Company. 32,424; July 12.
Malt Syrup Hop Flavored. For Male Sirup. Joseph Petrocelli & Co. Inc. 32,439; July 12.
Oakshire Farms. For Butter. Jersey Farm Products Co. 32,421; July 12.
Old Reliable Malt Syrup. For Malt Sirup. F. W. Jacobson. 32,419; July 12.
Old Time Home Made Lydia Darrah Candies. For Candy. Lydia Darrah Candy Shops, Inc. 32,408; July 12.
Our Daisy. For Butter. Sutherland Paper Company. 32,443; July 12.
Out-A-Bond. For Flavors. E. and J. Lehrbaupt. 32,425; July 12.
Pelican. For Canned Grapefruit. Florida Canneries, Inc. 32,414; July 12.
Personalized Chocolates. For Candy. E. H. Hacker. 32,417; July 12.
Richmaid. For Ice Cream. Wilmington Creamery 32,451; July 12.
Royal Ascot. For Sport Garments. Wm. Davies & Co. 32,409; July 12.
St. Ruves. For Malt Extract. E. S. Cluever. 32,407; July 12.
Sandwich Bread. For Bread. 20th Century Bakery, Inc. 32,446–7; July 12.
Scarlet Coquet. For Lettuce. Chas. H. Jandt Packing Co. 32,420; July 12.
Sed. For Cough Sirup. Sal Laboratories. 32,440; July 12.
Shotwell's Marshmallows. For Marshmallow Candy. Shotwell Mfg. Co. 32,441; July 12.
Silver Floss. For Toilet Paper. Northern Paper Mills. 32,438; July 12.
Sis-A-Lu. For Hair Tonic. J. L. Clement. 32,406; July 12.
Soresol a Grekko Product. For a Medicine for the Treatment of Sore Throat, Tonsillitis, and Quinsy. Grekko Chemical Company. 32,416; July 12.
10 Clovers for Constipation, a Confection of Rhubarb, Phenolphthalein, Calcium Carbonate, and Aromatics. For a Pharmaceutical Preparation. H. Noonan. 32,432; July 12.
10 Clovers for Cough and Halitosis, a Confection of Menthol, Acid-Benzoic, Thymol, Ulmus, Eucalyptol and Aromatics. For a Pharmaceutical Preparation. H. Noonan. 32,433; July 12.
10 Clovers for Headache, a Confection of Theine, Acetyl, Sal-Acid and Aromatics. For a Pharmaceutical Preparation. H. Noonan. 32,435; July 12.
10 Clovers for Indigestion, a Confection of Rhubarb, Magnesium, Calcium Carbonate, Carbo, and Aromatics. For a Pharmaceutical Preparation. H. Noonan. 32,434; July 12.
Texas Longhorn Crooks. For Cigars. A. J. Golden. 32,415; July 12.
Thor-O-Lax a Systemic Renovator. For a Medicinal Preparation. A. F. Turner. 32,444; July 12.
U-Need-M. For Sweets. L. F. Jordan. 32,423; July 12.
Victory By-By Flifluid. For an Insecticide. Victory Chemical Co. 32,448; July 12.
Virginia Snow Novelty Bird Cage. For a Novelty Consisting of an Imported Canary, Fiber Hoops, Dexter Yarn, Thimble, Needle, and Lesson. V. Snow. 32,442; July 12.
Ye Old Fashioned Potato Bread. For Bread. 20th Century Bakery, Inc. 32,445; July 12.
Yorkshire Farm. For Sandwich Spread. John Morrell & Co. 32,429; July 12.
Yorkshire Farm. For Limburger Cheese. John Morrell & Co. 32,430; July 12.

ALPHABETICAL LIST OF PRINTS.

All Tied For You. For Spur Ties. Hewes & Potter, Inc. 10,051; July 12.
And Now—'B. V. D.' Running Pants! For Athletic Underwear. B. V. D. Company. 10,041; July 12.
Best for Baby's Body Best for Every Body. For Talcum Powders for Nursery and Toilet Use. Crystal Chemical Company. 10,046; July 12.
Big-Bo-Chief. For Bow Tie and Kerchief Set. Smith-Morris, Inc. 10,050; July 12.
Certificate of Authority—1927. For Beverage Called "Moxie." Moxie Company. 10,054; July 12.
Crosse & Blackwell Pickles. For Pickles. Crosse & Blackwell, Inc. 10,045; July 12.
Doing Her Best For Daddy. For Groceries. Reid, Murdoch & Co. 10,057; July 12.
Don't Shoot The Laundryman. For Athletic Underwear. B. V. D. Company, Inc. 10,042; July 12.
Eagle-A Business Papers. For Eagle-A Business Papers. American Writing Paper Company. 10,036; July 12.
For Dessert My-T-Fine. For Dessert Preparations. D & C Co. Inc. 10,047; July 12.
Fresh Fish Fillets. For Salt-Water Fish. Booth Fisheries Company. 10,038; July 12.
Help. For Rex Automatic Storage Water Heaters. Cleveland Heater Co. 10,043; July 12.
Hirschman Kant Spread Mattress. For Mattresses. J. C. Hirschman Company. 10,052; July 12.
Humming Bird Wears Longer. For Full-Fashioned Silk Hosiery. Davenport Hosiery Mills. 10,048; July 12.
Is Your Daughter Safe? For a Motion-Picture Film. S. S. Millard. 10,053; July 12.
Millions Know What Serves Them Best. For Athletic Underwear. B. V. D. Company. 10,040; July 12.
'Old Boy! We Have The Winning Combination For Tomorrow. For Shotgun Shells and Rifle Cartridges. Remington Arms Company Inc. 10,058; July 12.
'Rich' Goodman American Kreem. For Ice Cream. Goodman American Ice Cream Company. 10,049; July 12.
Safety Patrol Valve. For Safety Patrol Valves. Patrol Valve Company. 10,055; July 12.
Starts 'Em Right. For Chick Mash and Chick Feed. Bossemeyer Bros. 10,039; July 12.
The Grayco Golfer. For Shirts. M. R. Gray. 10,059; July 12.
The Guaranteed Blizzard Cooling and Ventilating System. For Cooling and Ventilating Systems and Parts Thereof. Blizzard Sales Co. 10,037; July 12.
They Meet Standing Orders on Many Diets—These Tempting Desserts. For Wheat Breakfast Food. Cream of Wheat Co. 10,044; July 12.
United Custom Clothes Are Designed To Fit Your Body. For Men's Clothing. United Woolen Company. 10,060; July 12.
Westinghouse Battery. For Batteries. Westinghouse Union Battery Company. 10,061; July 12.
Willing Service. For Groceries. Reid, Murdoch & Co. 10,056; July 12.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Lake and Export Coal Corporation of New York. 248,413; July 12.
Coal. Payne Coal Company. 247,564; July 12.
Coal. Western Coal & Coke Co. 249,625; July 12.
Coal and coke. C. G. Blake Company. 249,261; July 12.
Leathers. Hunt-Rankin Leather Co. 248,910; July 12.
Logs. M. Nakata. 230,496; July 12.
Logs. Ichabod T. Williams & Sons. 249,398; July 12.

CLASS 2.

Pocket coin holders. Bankette Co. 244,812; July 12.

CLASS 4.

Abrasives and polishing compounds. Continental Optical Corporation. 247,932; July 12.
Cleaning and polishing preparation. W. R. Abbott Mfg. Co. 244,382; July 12.
Cleaning preparation of soap and other ingredients. Midland Chemical Laboratories, Inc. 249,740; July 12.
Cleansing fluid for textiles and fabrics. J. W. Mingus. 248,421; July 12.
Cream to be used on barbers' strops. G. R. Carriero. 248,086; July 12.
Polish, Silver. Klein & Son. 249,181; July 12.
Soap. G. H. Hammond Company. 249,005; July 12.
Soap. Palmolive-Peet Company. 247,206; July 12.
Soap. U. S. Sanitary Specialties Corporation. 230,427; July 12.
Soap for shaving. Colgate & Company. 247,770; July 12.
Washing flakes. Blu-Lac, Incorporated. 243,922; July 12.
Washing fluid, Liquid. No Worry Chemical Co. 246,767; July 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Washing powder. Rubless Manufacturing Company. 241,357; July 12.

CLASS 5.

Cement, Liquid padding. John Farnsworth Associated, Inc. 242,659; July 12.
Cement, Waterproof wood. N. A. Anderson. 249,563; July 12.

CLASS 6.

Compound, Battery. A. H. Pepin. 246,928; July 12.
Depilatories. Fevrier & Decoisy. 250,019; July 12.
Dyestuffs. National Aniline & Chemical Company. 249,987; July 12.
Dyestuffs. National Aniline & Chemical Company. 250,091; July 12.
Dyspepsia tablets. A. C. Lavergne. 243,600; July 12.
Earth or clay, Absorbent. Refinery Products Limited. 247,964; July 12.
Eye, ear, and nose drops, mouth wash, etc. J. A. Fills. 243,203; July 12.
Germicides, Intestinal. Dr. Kade's Medicinisch-Pharmaceutisches Fabrikations- u. Exportgeschäft Dr. Franz Lutze. 244,773; July 12.
Insecticide. Howell Company. 249,853; July 12.
Insecticides. Texas Company. 249,875; July 12.
Laxative. T. Christy. 232,321; July 12.
Laxative compound for expelling worms from animals. G. A. Jeffreys. 249,227; July 12.
Lotion for the treatment of the eyes. F. C. Carlson. 249,947; July 12.
Medical preparation for use in the treatment of eczema. Midwest Sanitarium Corporation. 242,201; July 12.
Medicated preparations for human use in the treatment of neurasthenia. Nonn, Limited. 245,801; July 12.
Medicinal food tonic. Savoy Drug and Chemical Company. 247,450; July 12.
Medicinal preparation for the treatment of asthma. Bear Medicine Company. 248,806; July 12.
Medicinal tablets. Laboratories Jaq Incorporated. 249,853; July 12.
Medicinal wine for use as a general tonic. H. T. Dewey & Sons Co. 248,757; July 12.
Medicine for cows. A. J. Weaver. 244,197; July 12.
Medicine, Laxative. L. W. Estes. 245,899; July 12.
Medicine to aid in digestion of foods. L. M. Williams. 249,312; July 12.
Medicines. Chemico-Biologic Laboratories, Incorporated. 249,640; July 12.
Medicines, chemicals, etc. E. Silten. 245,664; July 12.
Oil, hair shampoo, etc., Pressing. M. K. Watts. 246,318; July 12.
Ointment. Piapao Laboratories, Inc. 248,513; July 12.
Ointment. L. P. Philippi. 244,179; July 12.
Preparation for use as a deodorant, bleach, etc. C. A. Graves. 248,230; July 12.
Preparation or make-up for the face and body, Liquid. Camro Product Co. 245,890; July 12.
Preparations intended to render pimples temporarily invisible and for use as a styptic for use after shaving, etc. Pa-Lu Company. 242,392; July 12.
Remedy, Pile. Maz Co. 249,978; July 12.
Talc powder. Colgate & Company. 250,068–9; July 12.
Talcum powder, tooth paste, and salve. A. E. Glickman. 249,117; July 12.

CLASS 8.

Pipe holders, ash trays, cigar boxes, etc. Steele and Johnson Mfg. Co. 247,499; July 12.

CLASS 9.

Shot shells. Federal Cartridge Corp. 243,431; July 12.

CLASS 11.

Inks, Liquid drawing. G. Wagner. 245,008; July 12.
Inks to obtain certain lithography results. Preparation for adding to. H. Lanschey, Inc. 249,183; July 12.

CLASS 12.

Composition of earthy materials for walls, ceilings, and floors and a filler for cracks and crevices. Craftex Company. 249,642; July 12.

CLASS 13.

Butts. Stanley Works. 249,303; July 12.
Fastener stringers and separable fasteners, Separable. Hookless Fastener Company. 247,572; July 12.
Toilet seats and tanks. Germain Brothers Co. 233,618; July 12.
Valves. D. T. Williams Valve Company. 248,074; July 12.

CLASS 14.

Die-casting metal and die castings. Doehler Die-Casting Co. 248,398; July 12.

CLASS 15.

Oils and greases, Lubricating. Waverly Oil Works Company. 247,721; July 12.

CLASS 16.

Lacquer, Thinner for. J. C. Swimmer. 249,204; July 12.
Paint, Paste white. McDougall-Butler Co. 248,853; July 12.
Paints, Liquid. Morso Limited. 243,059; July 12.
Pigments, Dry earth. Reichard-Coulston Inc. 247,098; July 12.
Pigments for use particularly in paints, Dry earth. Reichard-Coulston Inc. 247,100; July 12.
Polishing and cleaning compounds. Sage Oak Laboratories, Inc. 248,326; July 12.
Varnish. Minnesota Linseed Oil Paint Co. 249,081; July 12.
Varnish. Minnesota Linseed Oil Paint Co. 249,083–5; July 12.
Varnish, paint, and paint enamels. S. A. Day Manufacturing Co. Inc. 241,565; July 12.

CLASS 19.

Automobile seat covers. Durant Motocover Co. 247,730; July 12.
Automobiles and constructive parts thereof. A. S. Freed. 248,171; July 12.
Bicycles. Iver Johnson's Arms & Cycle Works. 229,632; July 12.
Busses and trucks, Motor. Gramm Motors, Inc. 248,634; July 12.
Trucks, Motor. Wichita Falls Motor Company. 235,242; July 12.

CLASS 20.

Floor coverings of the oiled-cloth type, Prepared. Congoleum-Nairn Inc. 248,353; July 12.

CLASS 22.

Reflectors. Broderick-Son-Raymond Company. 247,884; July 12.

CLASS 23.

Bearings, Ball and roller. K. O. Leon. 235,741; July 12.
Compressors and air towers, Air. Detroit Air Compressor Co. 246,467; July 12.
Fire-extinguishing apparatus. Fire Gun Manufacturing Company. 246,744; July 12.
Knives, lawn mowers, and automobile jacks, Corn. Belknap Hardware & Manufacturing Company. 249,696; July 12.
Picks, Ice. Belknap Hardware & Manufacturing Company. 249,697; July 12.
Sprayers and parts thereof, Hand-operated portable. Hudson Manufacturing Co. 249,901–3; July 12.

CLASS 26.

Films, Cinematographic. Pathé Exchange, Inc. 231,206–8; July 12.
Films, Talking-motion-picture. P. A. Powers. 249,750; July 12.
Goggles and parts thereof. American Optical Company. 246,063; July 12.
Photographic shutters. Eastman Kodak Company. 249,709; July 12.
Traffic-signal-viewing devices. Moonbeam Manufacturing Company. 249,285; July 12.

CLASS 29.

Brushes, Lather. Rubber and Celluloid Products Company. 249,543; July 12.

CLASS 31.

Filters, Oil. S. F. Bowser & Company. 247,517; July 12.
Refrigerators. Kane Furniture Company. 247,320; July 12.

CLASS 32.

Furniture. H. Robinson. 246,984; July 12.
Mattresses. Belknap Hardware & Manufacturing Company. 249,942; July 12.
Walkers, bassinets, beds, etc., Baby. Jake Tennenbaum Company. 212,704; July 12.

CLASS 34.

Lighters, Cigar and cigarette. Alfred Dunhill of London, Inc. 247,657–8; July 12.

CLASS 35.

Tire covers. Studebaker Corporation. 249,614; July 12.
Tire covers. Studebaker Corporation. 249,820; July 12.

CLASS 36.

Pianos and player pianos. Waldorf Piano Co. 231,221; July 12.

CLASS 37.

Books, Business record. D. J. Montambo. 249,016; July 12.
Cards and score pads, Tally. Buzza Company. 230,081; July 12.
Paper, All kinds of writing and printing. Strathmore Paper Company. 248,462; July 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paper, bristol cardboard, blank post cards, etc., Book and cover. Butler Paper Corporation. 248,152; July 12.
Paper, Printing and writing. Graham Paper Company. 249,966; July 12.
Paper-sealing, veneer, and stay tapes, Gummed and ungummed. Central Paper Company. 247,927; July 12.
Paper used for shipping cases, Fibrous. River Raisin Paper Company. 248,256; July 12.
Pencils, Lead. Eagle Pencil Company. 249,267; July 12.
Pencils, Lead. Eberhard Faber Pencil Company. 249,577; July 12.

CLASS 38.

House organ. New England Brick Company. 247,810; July 12.
Label strips, Woven. Narrow Fabric Co. 236,947; July 12.
Magazine. Ansted Publishing Co. Inc. 248,027; July 12.
Magazine. Haire Publishing Co. 240,650; July 12.
Magazine. National Council of The Daughters of America of the United States of North America. 248,422; July 12.
Magazine. Photo-Era Publishing Co. 248,721; July 12.
Magazine. Today's Humor, Inc. 248,535; July 12.
Newspaper section. S. Corbett. 249,406; July 12.
Photographs. C. Banks. 228,963; July 12.
Posters. C. H. Pennoyer. 242,252; July 12.
Publication. Acacia Fraternity. 247,156; July 12.
Publication. Davis Press, Incorporated. 246,085; July 12.
Publication. Rand McNally and Company. 242,503; July 12.
Publications. National Association of Master Plumbers. 211,369; July 12.
Tags. Denney Tag Company. 248,226; July 12.

CLASS 39.

Aprons, Carpenters' work and change. Troy Sunshade Company. 225,208; July 12.
Blouses, dresses, sweaters, etc. Emily Shops, Inc. 249,467; July 12.
Boots and shoes. Samuel Cohen Shoe Co. 249,607; July 12.
Boots and shoes. W. H. Miles Shoe Co. 249,668; July 12.
Boots and shoes. M. A. Packard Company. 248,437; July 12.
Clothing, Men's. Sol Zion & Co. 244,417; July 12.
Coats, suits, wraps, and dresses. Faber & Hein. 247,683; July 12.
Corsets and hip confiners. International Corset Company. 249,424; July 12.
Furnishings, Men's. Kaufman Department Stores, Inc. 246,960; July 12.
Gloves, Leather. National Association of Leather Glove and Mitten Manufacturers. 210,803; July 12.
Gloves, underwear, hosiery, etc. Merrill-Clark-Meinig, Inc. 241,665; July 12.
Hats. Feder Trimmed Hat Co. 243,932; July 12.
Hats, Ladies'. J. A. Kizenska. 241,058; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 249,326–7; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 249,330; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 249,333–5; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 248,337; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 249,339–40; July 12.
Hats, Ladies' and misses'. Consolidated Millinery Company. 249,342–3; July 12.
Hosiery. Thomas Smiley Company. 249,818; July 12.
Hosiery and knit goods. Mission Hosiery Mills. 241,427; July 12.
Shirts, Men's dress. Louis Beskind & Co. 248,617; July 12.
Shirts, Men's work. Reliance Manufacturing Company. 248,058; July 12.
Shoes. Field & Flint Co. 247,070; July 12.
Shoes. May Department Stores Company. 245,850; July 12.
Shoes. Schuhfabrik Hassia A. G. 246,780; July 12.
Shoes. J. P. Smith Shoe Company. 243,628; July 12.
Shoes, Women's. Berland Shoe Stores Inc. 245,613; July 12.
Stockings. Parker Hosiery Mill & Dye Works, Inc. 249,536; July 12.
Suits, Men's outer. I. Grossman. 249,064; July 12.
Suits, vests, pants, and overcoats, Boys'. H. A. Seinsheimer Company. 247,824; July 12.
Undergarments and clothing. C. C. Hollidge. 244,159; July 12.
Underwear, Ladies' knit. Well-Kalter Manufacturing Company. 247,919; July 12.
Underwear, Men's. Nuback Underwear Company. 249,430; July 12.
Underwear, Women's and misses'. Winship, Bolt & Co. 223,979; July 12.

CLASS 40.

Buttons, Nonprecious-metal. Patent Button Company. 248,717; July 12.
Elastic, Narrow. J. C. Penney Company. 246,983; July 12.
Stamped goods. Angeles Art Shop. 246,525; July 12.

CLASS 42.

Cotton piece goods. Clarence Whitman & Sons, Inc. 249,763; July 12.
Fabrics, Ornamented. C. Andrews. 232,445; July 12.
Nets, Hair. R. H. Macy & Co. 236,701; July 12.
Piece goods, Elastic-webbing. Standard Corset Company. 242,509; July 12.
Silk and cotton piece goods. Clarence Whitman & Sons, Inc. 249,762; July 12.
Silk fabrics. A. M. Turell Fabrics Corporation. 249,617; July 12.
Woolen and worsted fabric in the piece. Detmer, Bruner & Mason, Inc. 249,951–6; July 12.
Woolen and worsted fabric in the piece. Detmer, Bruner & Mason, Inc. 249,958–60; July 12.

CLASS 43.

Thread. Bay State Thread Works. 241,859; July 12.

CLASS 44.

Bandages, Suspensory. Johnson & Johnson. 249,228; July 12.
Eye shades. C. W. Knowles. 246,486; July 12.
Eye shades and blinds and face masks. J. B. Mossman. 233,385; July 12.
False teeth. G. D. Shipherd. 247,825; July 12.
Inhalers, Electrically-heated vapor. H. A. Choulnard. 248,878; July 12.

CLASS 45.

Beverages. Mountain Valley Springs Company. 248,118–20; July 12.
Beverages sold as soft drinks. Berkeley Springs Bottling Co. 249,211; July 12.
Beverages sold as soft drinks. G. E. Tucker. 249,247; July 12.
Ginger ale. Palmer Bottling Company. 246,845; July 12.
Ginger ale, root beer, etc. Waukesha Silurian Water Company. 246,792; July 12.
Maltlesa extract. J. Whewell. 247,402; July 12.

CLASS 46.

Alimentary paste products. Pfaffmann Egg Noodle Company. 248,374; July 12.
Apples, Fresh. Dan Wullie & Company. 237,788; July 12.
Butter and bread. Chabrow Brothers. 224,078; July 12.
Candy. American Caramel Company. 249,632; July 12.
Candy. Candy Bros. Mfg. Co. 250,063; July 12.
Candy. A. G. Morse Co. 250,087; July 12.
Candy. G. Stamas. 243,071; July 12.
Canned fish. R. P. Sigmond. 242,970; July 12.
Canned fish, fruits, vegetables, and dried fruits. M. Feibusch. 236,312; July 12.
Canned fruits. Lincoln Packing Co. 232,926; July 12.
Canned fruits, vegetables, crushed fruit, and canned salmon. Olympic Foods, Inc. 237,469; July 12.
Canned sardines, concentrated tomato paste, canned tomatoes, etc. Strohmeyer & Arpe Co. 245,116; July 12.
Canned vegetables, tea, and coffee. Scoville, Brown & Company. 249,814; July 12.
Cheese. Roethlisberger & Co. 247,572; July 12.
Chocolate candy bar. Two-Fifty Sweets Co. 249,306; July 12.
Coffee. Johnson Coffee Co. 249,478; July 12.
Coffee, tea, and cocoa. A. J. Bournakis. 241,389; July 12.
Confections, Frozen. L. Hicks. 248,102; July 12.
Crackers, oatmeal wafers, etc., Graham and fruit. Battle Creek Food Co. 242,563; July 12.
Currants, dates, mincemeat, and peanut butter, Dried. W. H. Marvin Company. 246,491; July 12.
Eggs. W. S. Nordburg. 248,646; July 12.
Eggs. Seymour Packing Co. 250,001; July 12.
Feed, Dairy. Peoples Milling Company. 250,094; July 12.
Fish, Smoked and dried. Gorton-Pew Fisheries Company. 247,076; July 12.
Flax screenings, Ground. Stuhr-Seidl Company. 249,759; July 12.
Flour and corn meal, Wheat and corn. Quaker Oats Company. 248,726; July 12.
Flour, Plain and self-rising. Model Mill Company. 250,086; July 12.
Flour, Self-rising wheat. Pfeffer Milling Company. 241,435; July 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Flour, Wheat. Bernet, Craft & Kauffman Milling Company. 229,894; July 12.
Flour, Wheat. Big Diamond Mills Company. 243,744; July 12.
Flour, Wheat. Shellabarger Mills & Elevator Company. 231,124; July 12.
Flour, Wheat. Vignes-Bombet Grocer Co. Inc. 249,394; July 12.
Fruits and vegetables, Fresh. Tamarack Ranch. 249,552; July 12.
Fruits and vegetables, Fresh. Walla Walla Gardener's Association. 232,596; July 12.
Fruits, Dried. M. C. Hansen. 233,931; July 12.
Horse-radish, olive spread, cranberry jelly, etc. Hal Dick Manufacturing Company. 244,357; July 12.
Ice cream, baked edible receptacles for ice cream or similar foods, and ice-cream pies. Modern Specialty Company. 246,842; July 12.
Milk and almond milk chocolate, chocolate dainties, candied peanut crisps, etc. Brewster Sons Company. 241,080; July 12.
Oils, Vegetable. Metropolitan Vegetable Oil Co. Inc. 247,806–7; July 12.
Olives. M. A. K. Hitzfeld, vidua de Diego Gomez. 243,153; July 12.
Poultry, Dressed. Davis-Cleaver Produce Co. 248,557; July 12.
Salad dressing. Sal-O Products Co. 249,098; July 12.
Sausages. Feinberg Kosher Sausage Company. 249,050; July 12.
Seed, parrot mixture, song restorer, etc., Mixed canary. Dog and Cat Drug Stores, Inc. 249,841; July 12.
Tapioca. C. R. Hurd Brokerage Company. 245,492; July 12.

CLASS 47.

Wine, Still. Compagnie du Vin St. Raphael (Societe Anonyme). 244,744; July 12.

CLASS 48.

Beer, Near. North American Brewing Company. 245,574; July 12.
Malt beverages, extracts, and sirups. H. C. Schranck Company. 247,218; July 12.
Malt extract. E. S. Cluever. 247,838; July 12.
Malt extract. J. Kasal. 247,544; July 12.
Malt sirup. W. F. Hausman Co. 247,187; July 12.
Malt sirup. Tropical Food Products Company. 249,106; July 12.

CLASS 50.

Shoe forms. Shoe Form Co. 248,731; July 12.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A. G. Brown, Boveri & Cie. (See Trey, Karl, assignor.)
A.-G. für Handels- und Industriewerte Glarus. (See Niemann, Erich, assignor.)
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Apparatus for manufacturing tires. 1,635,240; July 12.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Vacuum shaping machine for straight-side tires. 1,635,241; July 12.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Tire shaping apparatus. 1,635,242; July 12.
Abbott, Adrian O., jr., assignor to Morgan & Wright, Detroit, Mich. Vacuum shaping machine for tires. 1,635,243; July 12.
Abel, Walter T., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,635,774; July 12.
Abington Textile Machinery Works. (See Goldsmith, William H., assignor.)
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 73,018; July 12.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 73,019; July 12.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 73,020; July 12.
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Column for lighting fixtures. Des. 73,021; July 12.
Abrams, Samuel, and J. Neff, Chicago, Ill. Master template for laying out patterns. 1,635,300; July 12.
Adamsky, Cornelius, Cincinnati, Ohio. Book or pamphlet trimming device. 1,635,165; July 12.
Advance Parcholite Corporation. (See Hanson, Christian, assignor.)
Agnew, Francis E., Huntington Park, assignor to M. A. Brotherton, Santa Barbara, Calif. Centrifugal impact pulverizer. 1,635,453; July 12.
Aiken, Joseph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sound reception system. 1,635,568; July 12.
Aikman, Burton S., assignor to National Brake and Electric Company, Milwaukee, Wis. Cooling compressors. 1,635,524; July 12.
Aird, Clarence W., assignor to The Brantford Oven & Rack Co. Limited, Brantford, Ontario, Canada. Oven. 1,635,392; July 12.
Aktiebolaget Svenska Kullagerfabriken. (See Cassel, Hialmar S., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Kubler, Johannes, assignor.)
Alaj, Antoine L., Chicago, Ill. Combination dish and cover. 1,635,918; July 12.
Albee, William H., assignor to B. A. Corbin & Son Company, Marlboro, Mass. Cutting machine. 1,635,166; July 12.
Albrecht, William F., Salt Lake City, Utah. Faucet. 1,635,875; July 12.
Alexson, Delbert F., Los Angeles, Calif., assignor to Axelson Machine Co. Sucker-rod rotor. 1,635,776; July 12.
Allen, William F., Nashville, Tenn. Heater. Re16,677; July 12.
Alley, John H., assignor to The American Motor Body Corporation, Philadelphia, Pa. Air-cooled clutch. 1,635,353; July 12.
Allied Packers, Inc. (See Ralston, David S., assignor.)
Allison, Charles F., Wells, assignor of one-half to H. B. Peatling, Salina, Kans. Vehicle end gate. 1,635,163; July 12.
Allman, John H., trustee. (See Hansson, Soren, assignor.)
Allsopp, Clifford W., Newark, N. J. Process and apparatus for making finger rings. 1,635,354; July 12.
Alsberg, Julius, New York, N. Y., assignor to B. Heller & Company, Chicago, Ill. Curing meats. 1,635,301; July 12.
Alsberg, Julius, New York, N. Y., assignor to B. Heller & Company, Chicago, Ill. Sausage meat and producing same. 1,635,302; July 12.
Alter, Henry A., Yonkers, and H. J. Wollner and M. and B. Schwartzman, New York, N. Y. Fur-drying apparatus. 1,635,876; July 12.
Altman, Henry W. (See Folger, F. S., and Altman.)

Aluminum Products Company. (See McClure, Elmer P., assignor.)
Amans, Alexander E., Lacey, Wash. Dirigible headlight. 1,635,393; July 12.
Amberg, Walter E., Chicago, assignor to W. O. Peterson and B. L. Engelke, Chicago, Ill. Shearing tubular members. 1,635,807; July 12.
Ambrose, Roy B., and J. W. Patterson, Pittsburgh, Pa. Fluid meter. 1,635,355; July 12.
Amdur, Noah W., New Rochelle, assignor to Sun-Ray Lighting Products, Inc., New York, N. Y. Universal joint. 1,635,164; July 12.
Amdursky, Samuel S., assignor to Taylor Instrument Companies, Rochester, N. Y. Hygrometric apparatus. 1,635,697; July 12.
American Bank Note Company. (See Reinhardt, James H., assignor.)
American Can Company. (See Butler, William F., assignor.)
American Can Company. (See Odquist, Victor, assignor.)
American Can Company. (See Stewart, James A., assignor.)
American Coke & Chemical Company. (See Kus, Thomas G., assignor.)
American Crayon Company, The. (See Daniels, Charles E., assignor.)
American Motor Body Corporation, The. (See Alley, John H., assignor.)
American Optical Company. (See Baker, N. M., and Fraser, assignors.)
American Optical Company. (See Tully, George L., assignor.)
American Steam Pump Company. (See Yates, De Witt E., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Fell, John M., assignor.)
American Telephone and Telegraph Company. (See Shackleton, S. P., and Glezen, assignors.)
American Volth Contact Company. (See Priem, Paul, assignor.)
Anderson, Irving S., Franklin, Minn. Aerator and cooler for cream separators. 1,635,877; July 12.
Anderson, Johan A., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Cop holder for textile machines. 1,635,525; July 12.
Anderson, Raymond M., and S. M. Udale, assignors to G. M. Holley, Detroit, Mich. Vaporizer. 1,635,808; July 12.
Anderson, Russell W., Detroit, Mich. Advertising stand. 1,635,394; July 12.
Andrade, Cipriano, jr., New York, N. Y. Control element for clutches. 1,635,599; July 12.
Anson, Edward E., Clarksville, Ohio. Gate. 1,635,878; July 12.
Ansonia Novelty Company, The. (See Meserole, Milton D., assignor.)
Anstotz, Charles, and W. Saupe, New York, N. Y., assignors to Ohmer Fare Register Company, Dayton, Ohio. Driving means for taximeters. 1,635,698; July 12.
Appleton Manufacturing Company. (See Sperry, Herbert B., assignor.)
Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Headlamp shield. 1,635,879; July 12.
Armand Company, The. (See Murphy, George S., assignor.)
Armstrong, Fredrick D., West Kogarah, near Sydney, New South Wales, Australia. Shock-absorber shackle. 1,635,880; July 12.
Arnold, Frank D., Humboldt, Iowa. Sound amplifier. 1,635,303; July 12.
Arthur, Paul, assignor to Frank Holton & Co., Elkhorn, Wis. Key-valve pad for musical instruments. 1,635,775; July 12.
Artz, Anthony C., assignor to The Beaverland Corporation, Lowville, N. Y. Bottle-cap machine. 1,635,454; July 12.
Ascher, Louis K., assignor, by mesne assignments, to The Humidity Control Company, Indianapolis, Ind. Vacuum return boiler feed. 1,635,600; July 12.
Auburn Automobile Company. (See Crawford, James M., assignor.)

Automat Equipment Corporation. (See Zsoldos, Julius, assignor.)
Automatic Appliance Company, The. (See Mapel, Lewis A., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Automaticket Limited. (See Bernstein, J. S., and Hulbert, assignors.)
Automotive Valves Corporation, The. (See Burtnett, Everett R., assignor.)
Austin, Herbert, Bromsgrove, assignor to The Austin Motor Company Limited, Northfield, near Birmingham, England. Change-speed gear. 1,635,526; July 12.
Austin Motor Company Limited, The. (See Austin, Herbert, assignor.)
Axelson Machine Co. (See Axelson, Delbert F., assignor.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Vegetable-topping machine. 1,635,569; July 12.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Bagley and Sewall Company, The. (See Valentine, Charles W., assignor.)
Bailey, Broadus, Greenville, S. C. Cleaning composition and making same. 1,635,244; July 12.
Bailey, Edwin W. M., Amesbury, Mass. Window-glass guide. 1,635,570; July 12.
Baker, Nelson M., and F. Fraser, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,635,881; July 12.
Baker Perkins Company. (See Michallat, Francis J., assignor.)
Baldwin, Van V. (See Conrad, David E., assignor.)
Ball Brothers Company. (See Schram, Alexander L., assignor.)
Balle, Gerhard. (See Daimler, K., Marschall, and Balle.)
Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
Bankers Savings & Credit System Company, The. (See Habart, Joseph, assignor.)
Banta, Clare W., San Francisco, Calif. Deposit safe. 1,635,736; July 12.
Barbour, Herbert W., New Bern, N. C. Ratchet drill. 1,635,882; July 12.
Barthelmess, Emil, Dusseldorf-Oberkassel, Germany. Pneumatically-fed crushing and sifting device. 1,635,527; July 12.
Bartholomew, Cedelia, San Francisco, Calif. Surgical appliance. 1,635,919; July 12.
Bassick Manufacturing Company, The. (See Upham, Preston, assignor.)
Baster, Forest S., Detroit, Mich. Valve gearing. 1,635,304; July 12.
Bastien, Paul, Cleveland, Ohio, assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,635,571; July 12.
Bastien, Paul, Indianapolis, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,635,572; July 12.
Bay State Optical Company. (See Nerney, Edwin D., assignor.)
Bead Chain Manufacturing Company, The. (See Gagnon, William J., assignor.)
Beattey, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Making ophthalmic mountings. 1,635,699. July 12.
Beaverland Corporation, The. (See Artz, Anthony C., assignor.)
Beckman, Ross C., Kansas City, Kans. Washing machine. 1,635,356; July 12.
Behrens, Walter A. (See La Shelle, C. P., and Behrens.)
Belang, Andrew J., Port Leyden, N. Y. Tubular-knit union suit. 1,635,455; July 12.
Bell, Clinton L., Decatur, and M. S. Kessler, Auburn, assignors, by mesne assignments, to Decatur Rotary Display Company, Decatur, Ill. Display rack. 1,635,201; July 12.
Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Mechanically-packed packer. Re16,670; July 12.
Belvin, Preston, Richmond, Va. Auxiliary fastener for doors. 1,635,920; July 12.
Bemis, John E., Des Moines, Iowa. Comparative visible record book. 1,635,357; July 12.
Benca, Ferdinand, Chicago, Ill. Window guard. 1,635,601; July 12.
Benda, Ludwig, Mainkur, and O. Sievers, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Atkiengellschaft. Benzoxazolon arsine oxides. 1,635,167; July 12.
Benda, Ludwig, Mainkur, and O. Sievers, Fechenheim, near Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Atkiengellschaft. Benzoxazolon arsonic acids. 1,635,168; July 12.
Benda, Louis, Mainkur, near Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft. Stable and sterilizable solutions containing organic phosphorus and complex auro compounds. 1,635,169; July 12.
Bendix Brake Company. (See Bastien, Paul, assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Benedict, T. N., Mfg. Co. (See Saunders, Albert F., assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch socket. 1,635,170; July 12.
Bennett, Donald W., Winton, Calif. Milking pail. 1,635,921; July 12.
Bergsten, John, Redondo, Calif., assignor, by mesne assignments, to Standard Machine Company. Elevator. Re16,672; July 12.
Bernstein, Jesse S., and L. Hulbert; said Hulbert assignor to Automaticket Limited, London, England. Machine for issuing paper and printed matter in booklet, card, ticket, or other form. 1,635,171; July 12.
Bertram, Frank, Roslindale, assignor to The S. M. Howes Company, Boston, Mass. Metal screen for fireplaces. 1,635,573; July 12.
Bethke, John P., assignor to Magnetic Manufacturing Co., Milwaukee, Wis. Electromagnetic apron feeder. Re16,673; July 12.
Beyer, Otto S., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y. Composite radiator and radiation-increasing device. 1,635,656; July 12.
Beyzrau, Paul T., Berkeley, Calif. Wall board. 1,635,922; July 12.
Bicket, Henry F., Plainfield, N. J., assignor to The New York Air Brake Company. Light and load freight brake. 1,635,737; July 12.
Bigelow, Edmund S., Kansas City, Mo. Window-shade support. 1,635,700; July 12.
Bild, Jakob, Vienna, Austria. Packing prismatic articles. 1,635,528; July 12.
Bird Machine Company. (See Clarke, Ralph S., assignor.)
Bird & Son, Incorporated. (See Wyman, George R., assignor.)
Black, John C., Destrehan, La., and W. D. Rial and R. T. Howes, Los Angeles County, assignors to Pan American Petroleum Company, Los Angeles, Calif. Treatment of petroleum products. Re16,679; July 12.
Black, Robert L., Roanoke, Va. Lubricator. 1,635,602; July 12.
Black, Robert L., Roanoke, Va. Lubricator. 1,635,603; July 12.
Blake, Irva J., and H. H. Hart, Sacramento, Calif. Bottle. 1,635,811; July 12.
Blandford, Thomas, et al. (See Potts, Harold E., assignor.)
Bliss, E. W., Company. (See Beyer, Otto S., assignor.)
Bluhm, Leo, New York, N. Y. Woven fabric or similar article. Des. 73,022; July 12.
Blumer, Heinrich, Zurich, Switzerland. Drive of three-axled motor vehicles. 1,635,657; July 12.
Boardman, Charles S., Buffalo, N. Y. Reenforcing bar for concrete. 1,635,658; July 12.
Boe, Charles J., Pittsburgh, Pa. Ash receiver. 1,635,395; July 12.
Boehmer, Norris, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Chlorinated rubber varnish. 1,635,812; July 12.
Boland, Edward J., assignor of one-third to M. L. Corey, Freeport, Ill. Rail anticreeping and tie-plate device. 1,635,738; July 12.
Bondziulis, Charles A., Waterbury, Conn. Automatic stop for double-pile-fabric looms. 1,635,396; July 12.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,635,305; July 12.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,635,306; July 12.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,635,307; July 12.
Borski, John L., Anderson, Tex. Locomotive driving mechanism. 1,635,813; July 12.
Botsford, Robert C., East Haven, Conn. Trench spade. 1,635,308; July 12.
Bouck, John, Akely, Minn. Automobile attachment. 1,635,814; July 12.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,635,358; July 12.
Bovey, Thomas, Chicago, Ill. Casing for automobile heaters. 1,635,701; July 12.
Bowditch, James H., Brookline, Mass. Hat. 1,635,456; July 12.
Boyce, Harrison H., Jericho, N. Y. Heat indicator. Des. 73,023; July 12.
Boylan, Jerome C., Cleveland, Ohio. Door-operating device for stoves and the like. 1,635,777; July 12.
Bragdon, Herbert J., Chicago, Ill. Seal for vessels and the like. 1,635,520; July 12.
Brandenburg, Joseph F., et al. (See Otterson, George W., assignor.)
Brandli, Oscar, Philadelphia, Pa. Washing machine. 1,635,245; July 12.
Brantford Oven & Rack Co. Limited, The. (See Aird, Clarence W., assignor.)
Bray, Fred C., Moncton, New Brunswick, Canada. Composition for cleaning brushes and the like. 1,635,202; July 12.
Bray, Norris E., Argyle, Wis. Anchoring stake. 1,635,923; July 12.
Bretos y Claveria, Manuel, Santiago de Cuba, Cuba. Awning. 1,635,608; July 12.

Brewster, Ellis W., assignor to Plymouth Cordage Company, Plymouth, Mass. Marking device for rope. 1,635,739; July 12.
Brewster, Ruby T., New York, N. Y. Vanity case. Des. 73,024; July 12.
Brewster, Ruby T., New York, N. Y. Vanity case. Des. 73,025; July 12.
Briggs, Arie B., Denver, Colo. Vacuum preserver. 1,635,815; July 12.
Brinckerhoff, Francis M., Suffern, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Safety device for articulated cars. 1,635,246; July 12.
Brinckerhoff, Francis M., Suffern, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Safety device for articulated cars. 1,635,247; July 12.
Bristow, Bruce A., Toronto, Ontario, Canada. Hydraulic power apparatus. 1,635,457; July 12.
Broadmeyer, Albert, assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Sheet-feed-control apparatus. 1,635,604; July 12.
Broderick, Ernest N., Detroit, Mich. Piston ring. 1,635,530; July 12.
Brosnick, Andrew, New Derry, Pa. Flower box. 1,635,203; July 12.
Brothertop, Minerva A. (See Agnew, Francis E., assignor.)
Brown, A. G., Boveri & Cie. (See Frey, Karl, assignor.)
Brown Company. (See Brown, O. B., and Parker, assignors.)
Brown Company. (See Richter, George A., assignor.)
Brown, James S., Miami, Okla. Concrete tie. 1,635,816; July 12.
Brown, John B., Portland, Oreg. Engine valve gear. 1,635,172; July 12.
Brown, Orton B., and H. Parker, assignors to Brown Company, Berlin, N. H. Machine for making fiber tubes. 1,635,458; July 12.
Brown, Sidney G., North Acton, England. Telephone receiving apparatus. 1,635,309; July 12.
Brown, Walter S., Urbana, Ill. Diving board. 1,635,204; July 12.
Brundage, James W., assignor to The Miller Rubber Company, Akron, Ohio. Bias cutting machine. 1,635,531; July 12.
Brunswick-Balke-Collender Company, The. (See Griffith, James, assignor.)
Bryant Electric Company, The. (See Peterson, M., and Danielson, assignors.)
Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
Buckley, Thomas A., Yonkers, N. Y. Massage device. 1,635,924; July 12.
Budd, Edward G., Manufacturing Co. (See Ledwinka, Joseph, assignor.)
Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)
Budd, Edward G., Manufacturing Co. (See Tarbox, John P., assignor.)
Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Cutting compound distribution system. 1,635,702; July 12.
Bullard, Edward P., jr., Stratford, assignor to The Bullard Machine Tool Company, Bridgeport, Conn. Multiple-spindle drilling machine. 1,635,703; July 12.
Bullard Machine Tool Company, The. (See Bullard, Edward P., jr., assignor.)
Burdic, Earl C., Herman, Nebr. Paper file. 1,635,310; July 12.
Burgamy, John R., administrator. (See Parker, Joseph F., assignor.)
Burkhardt Company, The. (See Johnson, Stanley G., assignor.)
Burkholder, John H., assignor to Elite Manufacturing Company, Ashland, Ohio. Vehicle jack. 1,635,397; July 12.
Burnham, Charles, Washington, D. C. Box-making machine. 1,635,532; July 12.
Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
Burtnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,635,533; July 12.
Burtnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,635,534; July 12.
Burtnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Internal-combustion engine. 1,635,535; July 12.
Burrowes, E. T., Company, The. (See King, William J., assignor.)
Bush, Albert P., Chula Vista, Calif. Celery-bleaching-paper-placing machine. 1,635,778; July 12.
Bush & Lane Piano Company. (See Lane, Walter, assignor.)
Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,635,740; July 12.
Butler, William F., Hillside, N. J., assignor to American Can Company, New York, N. Y. Machine for fastening keys to can covers. 1,635,536; July 12.
Butts, Benjamin B., et al. (See Hudson, A. D., and Smith, assignors.)
Buzza, George E., Minneapolis, Minn. Reproducing pictures of art subjects. 1,635,173; July 12.
Cameron, Charles E., jr., East Orange, N. J. Piano action. 1,635,817; July 12.
Camp, Wofford B. (See Townsend, J. S., and Camp.)
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car. 1,635,248; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car. 1,635,249; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car side construction. 1,635,250; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car and the like. 1,635,251; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car. 1,635,252; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car. 1,635,253; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car construction. 1,635,254; July 12.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dumping door for railway cars and the like. 1,635,255; July 12.
Campbell, Argyle, and A. E. Zimmer, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-locking mechanism. 1,635,398; July 12.
Campbell, Charles H. (See Carpenter, William A., assignor.)
Campbell, Frederick H. (See Lloyd, G. F., and Campbell.)
Campbell, George J. (See Nardin, William T., assignor.)
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Making hollow glassware. 1,635,704; July 12.
Canott, M. L. (See Smith, Noble Z., assignor.)
Cardarelli, Emilio A., Boston, Mass. Combination step-ladder. 1,635,705; July 12.
Carey, Charles E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,635,574; July 12.
Carey, Elton R., assignor to O. E. Carey, Long Beach, Calif. Front-axle assembly. 1,635,706; July 12.
Carey, Ovelda E. (See Carey, Elton R., assignor.)
Carlson, Gunnar, et al. (See Peterson, Alfred T., assignor.)
Carlson, Marvid C., Fort Dodge, Iowa. Bolter. 1,635,925; July 12.
Carlson, Oscar F., Chicago, Ill. Automatic control system for burners. 1,635,809; July 12.
Carlson, Stewart W., et al. (See Peterson, Alfred T., assignor.)
Carpenter, Grant. (See Weston, E. F., and Carpenter.)
Carpenter, William A., Hartsville, S. C., assignor of one-half to C. H. Campbell. Undercleaner for spinning frames. 1,635,205; July 12.
Carpio, Tomas C., San Sebastian, Spain. Photographic enlarging, reducing, reproducing, and printing apparatus. 1,635,741; July 12.
Carroll, John B., Oak Park, Ill. Thermometer or thermometer-tube support. 1,635,174; July 12.
Carter, Alva J., assignor to Carter Radio Company, Chicago, Ill. Terminal connecter. 1,635,256; July 12.
Carter, Carnie B., Pittsburgh, Pa., assignor to S. Karpen & Bros., Chicago, Ill. Manufacture of hexamethylenetetramine. 1,635,707; July 12.
Carter, Emmett F., Schenectady, N. Y., assignor to General Electric Company. Remote-control carrier-current system. 1,635,779; July 12.
Carter Radio Company. (See Carter, Alva J., assignor.)
Carter, Robert C., et al. (See Chapman, Charles E., assignor.)
Cartlidge, Frank, Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,635,780; July 12.
Cassel, Hjalmar S., Lund, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken. Front-wheel brake for automobiles and the like. 1,635,708; July 12.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Brush. 1,635,970; July 12.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Broom. 1,635,971; July 12.
Central Advertising Specialty Company. (See Sunderlin, Frank R., assignor.)
Central Door and Lumber Company. (See De Penning, John C., assignor.)
Chadeloid Chemical Company. (See Boehmer, Norris, assignor.)
Chamberlain, Paul A., assignor to Mohawk Electric Corporation, Chicago, Ill. Radio condenser. 1,635,459; July 12.
Chance, Thomas M., Philadelphia, Pa. Method and apparatus for separating materials of different specific gravities. Re16,674; July 12.
Chancey, William H., assignor of one-half to W. H. Roberson, Grand Saline, Tex. Plow attachment. 1,635,605; July 12.
Chandler, Milton E. (See Mock, F. C., Gustafson, and Chandler.)

Chapin, Charles E., deceased, Greenwich, Conn.; F. G. Chapin and R. C. Glazier, executors. Self-lubricating brush for electrical apparatus. 1,635,257; July 12.
Chapin, Franklin G., et al., executors. (See Chapin, Charles E.)
Chapman, Charles E., Fort Edward, assignor, by mesne assignments, of one-half to R. C. Carter and G. S. Jamison, Glens Falls, N. Y. Welding-torch burner. 1,635,606; July 12.
Chase, Elroy A., Northfield, Vt. Grinding wheel. 1,635,607; July 12.
Chaviara, John N. (See Gill, J. F., and Chaviara.)
Citizens of the United States, The. (See Townsend, J. S., and Camp, assignors.)
Clarke, Charles S., Wick, near Bristol, England. Casement window. 1,635,537; July 12.
Clarke, Ralph S., assignor to Bird Machine Company, South Walpole, Mass. Rotary screen for paper pulp. 1,635,258; July 12.
Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Automatic pintle hook. 1,635,659; July 12.
Cleveland, Edgar W., Holland, Mich. Furnace-radiator-flue cleaner. 1,635,810; July 12.
Cleveland Folding Machine Company, The. (See Tufts, Lesley R., assignor.)
Coates, Ray G., Pasadena, Calif., assignor, by mesne assignments, of one-half to the estate of H. G. Hamilton, deceased, Youngstown, Ohio. Finishing castings such as ingot molds. 1,635,660; July 12.
Cobb, C. L., et al. (See Neil, Joseph B., assignor.)
Cohen, H. F. (See Hammond, Frederick, assignor.)
Cole, Edwin, Jamaica, N. Y. Transfer device for invalids. 1,635,575; July 12.
Cole, Henry, & Company. (See Morrison, Peter E., assignor.)
Coleman, Charles S., Los Angeles, Calif. Plowpoint 1,635,538; July 12.
Coleman, Metcalfe C., Drumwright, and E. D. Shoemaker Tulsa, Okla. Oil-tank cleaner. 1,635,539; July 12.
Coles, Wilfred G., assignor to Madison Kipp Corporation, Madison, Wis. Lubricator. 1,635,540; July 12.
Collin, Theodor. (See Svensson, C. A., and Collin.)
Commonwealth White Lead and Paints Proprietary Limited. (See Lloyd, G. F., and Campbell, assignors.)
Conley, Matthias L. (See Boland, Edward J., assignor.)
Connell, George A. (See Cramer, T. M., and Connell.)
Conner, James S., Roanoke, Ala. Playing attachment for stringed instruments. 1,635,542; July 12.
Conrad, David E., assignor of one-half to V. V. Baldwin, Eldon, Iowa. Sliding door for cars or barns. 1,635,926; July 12.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inductance device. 1,635,541; July 12.
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Conti, John D., Philadelphia, Pa. Package-filling machine. 1,635,543; July 12.
Cooper Corporation, The. (See Percy, Leon O., assignor.)
Corbin, B. A., & Son Company. (See Albee, William H., assignor.)
Corcoran, Michael, Anaconda, Mont. Water-cooled roof for reverberatory furnaces. 1,635,819; July 12.
Corker, Joseph E., Fort Lee, N. J., assignor to Packard Motor Car Company, Detroit, Mich. Radiator-cap ornament. Des. 73,026; July 12.
Corning Glass Works. (See Littleton, Jesse T., assignor.)
Cornwell, Carl, Oakland, Calif. Bifuel system for gas engines. 1,635,460; July 12.
Correct Measure Company. (See Mac Kenzie, George W., assignor.)
Corrigan, Frederick S., assignor to The Sheet Metal Products Co. of Canada Limited, Toronto, Ontario, Canada. Sink, washbasin, and the like. 1,635,311; July 12.
Corwin, Howard R., Newark, N. J. Liquid-head-maintaining device. 1,635,175; July 12.
Craig, Robert, assignor to Dayton Scale Company, Dayton, Ohio. Scale casing. 1,635,661; July 12.
Craigon, Adam, Toronto, Ontario, Canada. Internal-combustion engine. 1,635,742; July 12.
Cramer, Thomas M., Long Beach, and G. A. Connell, Wilmington, Calif., assignors to Pacific Coast Borax Company. Treating fruit and solution therefor. 1,635,461; July 12.
Crawford, Henry B., et al. (See Lemon, Frank R., assignor.)
Crawford, James M., assignor to Auburn Automobile Company, Auburn, Ind. Closed-body ventilator. 1,635,609; July 12.
Crawford, Lulu L., et al. (See Lemon, Frank R., assignor.)
Crescent Brass Mfg. Co. (See Abrams, Hermann, assignor.)
Crichton, Leslie N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit breaker. 1,635,544; July 12.
Critchley, James V., assignor to Walden-Worcester, Inc., Worcester, Mass. Cylinder-head-lifting tool. 1,635,259; July 12.
Crouse, Emory, Witchita, Kans. Liquid-dispensing device. 1,635,260; July 12.
Cummings, Earle W., assignor of one-half to Santa Barbara Lumber Company, Santa Barbara, Calif. Hinge. 1,635,462; July 12.
Cummings, Irving, Los Angeles, Calif. Water-power utility. 1,635,820; July 12.
Cunningham, Percy C., Los Angeles, Calif. Front for an electrical flat-iron receptacle. Des. 73,027; July 12.
Curtis, Arthur L., Chicago, Ill. Perpetual calendar. 1,635,927; July 12.
Cushman, Frederick B., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Combined smoker's stand and tilting table. Des. 73,028; July 12.
Cushman, H. T., Mfg. Co. (See Cushman, Frederick B., assignor.)
Daddin, Pasquale, New York, N. Y. Suction cleaner. 1,635,821; July 12.
Daimler, Karl, F. Marschall, and G. Balle, Hochst-on-the-Main, Germany, assignors, by mesne assignments, to Grasselli Dyestuff Corporation, New York, N. Y. Water-soluble condensation product and making same. 1,635,883; July 12.
Daniels, Charles E., assignor to The American Crayon Company, Sandusky, Ohio. Pencil mold. 1,635,261; July 12.
Danielson, Martin J. (See Peterson, M., and Danielson.)
Darby, John, Philadelphia, Pa., assignor to Shur Loc Elevator Safety Co. Inc., New York, N. Y. Elevator. 1,635,264; July 12.
Darby, John, Philadelphia, Pa., assignor to Shur Loc Elevator Safety Co. Inc., New York, N. Y. Elevator. 1,635,265; July 12.
Dass, Banesvar, Bloomfield, N. J., assignor to Ellis-Foster Company. Milk-sugar biscuit. 1,635,972; July 12.
Davenport, George R., Royal Oak, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,635,266; July 12.
Davenport, Mayon S., Los Angeles, Calif. Piston-packing-removing appliance. 1,635,743; July 12.
Davis, Claud A., assignor, by mesne asignments, to The Hall Mfg. Company, Toledo, Ohio. Power tool. 1,635,463; July 12.
Davis, Ernest, Chicago, Ill., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing-machine mechanism. 1,635,610; July 12.
Davis, William R., Wallace, Idaho. Creel carrier. 1,635,928; July 12.
Dayton Scale Company. (See Craig, Robert, assignor.)
Dayton Steel Racquet Company, The. (See Larned, William A., assignor.)
Dean, Elmer C., Frankfort, Ind. Universal flexible shaft. 1,635,929; July 12.
Dean, James H., Ludington, Mich., assignor to Northwestern Expanded Metal Company, Chicago, Ill. Manufacture of expanded metal. 1,635,662; July 12.
Decatur Rotary Display Company. (See Bell, C. L., and Kessler, assignors.)
De la Lama, Raoul, Mexico, Mexico. Highway lighting system and apparatus therefor. 1,635,611; July 12.
Delaney, William L. (See Ross, Joseph A., assignor.)
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Delco-Remy Corporation. (See Jones, R. G., and Zwiebel, assignors.)
Delfield, George J., and B. W. Swain, Sapulpa, Okla. Oil burner. 1,635,464; July 12.
Del-Mar-Va Sales Company. (See Jefferson, Jerome D., assignor.)
De Penning, John C., assignor to Central Door and Lumber Company, Portland, Oreg. Saw. 1,635,465; July 12.
De Penning, John C., assignor to Central Door and Lumber Company, Portland, Oreg. Wooden panel door. 1,635,466; July 12.
De Roode, Trimble, New York, N. Y. Car. 1,635,467; July 12.
De Zeng, Henry L., Geneva, N. Y., assignor to De Zeng Standard Company, Camden, N. J. Diagnostic instrument. 1,635,822; July 12.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Dhume, Ross and R., assignors of one-third to G. W. Walker, Columbus, Ohio. Checkrow planter. 1,635,359; July 12.
Dhume, Roy. (See Dhume, Ross and R.)
Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
Dick, Arthur, and J. A. Dirschauer, Evansville, Ind. Agricultural machine. 1,635,612; July 12.
Dickinson, Frederick S., et al. (See Dieterich, Ludwig M., assignor.)
Dickinson, Walter H., assignor to United Steel Block Corporation, Chester, Pa. Logging block. 1,635,781; July 12.
Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrical connecter and terminal block. 1,635,312; July 12.
Dieterich, Ludwig M., New Brunswick, N. J., assignor of one-fourth to F. S. Dickinson and one-fourth to L. Vinton, New York, N. Y. Nut-locking device. 1,635,313; July 12.
Di Giulio, Ernesto, Lynn, Mass. Parachute. 1,635,823; July 12.
Dirschauer, Jacob A. (See Dick, A., and Dirschauer.)
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Ball joint. 1,635,468; July 12.
Doherty Research Company. (See Griswold, Robert G., assignor.)

Doignon, Louis A., Malakoff, France. Centrifugal regulator. 1,635,314; July 12.
Dolon, Alice J. L. (See Hoffmann, William H., assignor.)
Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Box-filling machine. 1,635,262; July 12.
Dorey, George B., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door operating mechanism. 1,635,177; July 12.
Dorment, Frank C., Wellington, Ohio. Applicator. 1,635,176; July 12.
Dräger, Alexander B., Lubeck, Germany. Protective cover for breathing apparatus. 1,635,545; July 12.
Dredge, William, Manchester, England. Baker's oven. 1,635,824; July 12.
Dreibelbis, Milton W., Leesport, Pa. Automatic air-brake coupler. 1,635,782; July 12.
Duncan, Daniel E., Far Rockaway, N. Y., assignor of one-half to M. J. McDonnell, San Francisco, Calif. Vehicle spring. 1,635,360; July 12.
Duncan, William, Los Angeles, Calif. Facial massage device. 1,635,744; July 12.
Dunlop Rubber Company Limited. (See Penfold, Albert E., assignor.)
Eakin, Henry M., Seattle, Wash. Emergency brake-setting device. 1,635,825; July 12.
Eckland, Emil O., Menominee Falls, Wis., and W. H. Young, Chicago, Ill. Fluid feeding and conducting means. 1,635,663; July 12.
Ehinger, Carl F., Cleveland, Ohio. Automobile fan. 1,635,315; July 12.
Ehrlich, Jacob M. (See Quait, Robert, jr., assignor.)
Eisler, Charles, Newark, N. J. Machine for making radio tube and lamp parts. 1,635,316; July 12.
Elite Manufacturing Company. (See Burkholder, John H., assignor.)
Eller, Jacob A., Clovis, N. Mex. Agricultural machine. 1,635,206; July 12.
Ellerhorst, Walter, Cincinnati, Ohio. Barber's vacuum hair receiver. 1,635,613; July 12.
Ellis-Foster Company. (See Dass, Banesvar, assignor.)
Ellis, Winfield H., Little Rock, Ark. Plumbing system. 1,635,745; July 12.
Ellsworth, Frank H. (See Lewis, K. B., and Ellsworth.)
Endicott Johnson Corporation. (See Lord, Chester B., assignor.)
Engelke, Bernard L., et al. (See Amberg, Walter E., assignor.)
Engle, Washington, jr., Urbana, Ill. Agricultural implement. 1,635,826; July 12.
Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Enterprise Railway Equipment Company. (See Campbell, A., and Zimmer, assignors.)
Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)
Ericsson, Arvid, assignor to Union Special Machine Company, Chicago, Ill. Lapping machine. 1,635,469; July 12.
Ernst, Charles K., Buffalo, N. Y. Area-way hoist. 1,635,709; July 12.
Espenschied, Lloyd, Queens, N. Y., assignor to American Telephone and Telegraph Company. Carrier-current telegraphy. 1,635,207; July 12.
Exton, William G., New York, N. Y. Method of and apparatus for measuring turbidities and color of fluids. 1,635,470; July 12.
Ezendam, Jan H., assignor to N. V. Industrie- en Handelmaatschappij v. H. Harms & Co., Amsterdam, Netherlands. Electric-arc welding apparatus. 1,635,208; July 12.
Fafnir Bearing Company, The. (See Harris, Howard C., assignor.)
Faint, Henry J. (See Gildersleeve, J. H., and Faint.)
Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tube-skiving apparatus. 1,635,710; July 12.
Farber, Simon W., Inc. (See Farber, Simon W., assignor.)
Farber, Simon W., assignor to Simon W. Farber, Inc., Brooklyn, N. Y. Cup or similar article. Des. 73,029; July 12.
Farley, John W., administrator. (See Tolson, Robert L.)
Farley, John W., trustee. (See Tolson, Robert L., assignor.)
Farrel Foundry & Machine Company. (See Farrel, Franklin, jr., assignor.)
Farrel, Franklin, jr., New Haven, assignor to Farrel Foundry & Machinery Company, Ansonia, Conn. Cane-grinding mill. 1,635,263; July 12.
Feeney, William P., Cheboygan, Mich. Felt conditioner for paper machines. 1,635,317; July 12.
Feinberg, Adolf, Hartford, Conn. Reflecting signal. 1,635,267; July 12.
Feiss, Richard A., assignor to The Joseph & Feiss Co., Cleveland, Ohio. Lined vent for unlined or partly lined garments and making it. 1,635,178; July 12.
Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraph distortion-measuring system. 1,635,209; July 12.
Ferguson, George E., Spring Valley, N. Y., and L. G. M. Timpson, Plainfield, assignors to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 1,635,546; July 12.
Fiene, William L. (See Pullen, J. R., and Fiene.)
Finney, James M. (See Schroeder, Anthony, assignor.)
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Fishburn, Moses P., Carthage, Mo. Rain guard for automobile hoods. 1,635,746; July 12.
Fischer, Edward J., Crescent Springs, Ky. Sanding machine. 1,635,399; July 12.
Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Threading tool. 1,635,179; July 12.
Floorola Corporation, The, et al. (See Gillis, Lyle N., assignor.)
Folberth, Fred G., Cleveland, Ohio, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner motor. 1,635,401; July 12.
Folger, Frederick S., Flushing, and H. W. Altman, College Point, N. Y. Spring winding machine. 1,635,747; July 12.
Forero, Isaac G., Bogota, Colombia. Fire-fighting system. 1,635,180; July 12.
Forsdahl, Peter A., Sulphur Springs, Alberta, Canada. Wrench. 1,635,930; July 12.
Fort Pitt Mine Equipment Company. (See Johnson, George M., assignor.)
Foster, Edward C. (See Kirchman, Ferdinand H., assignor.)
Foster, Theodore W., & Brother Company. (See Noble, Arthur H., assignor.)
Fralm, Samuel R., Lancaster, Pa. Padlock. 1,635,711; July 12.
Frank, Paul A., Akron, Ohio. Razor sharpener. 1,635,827; July 12.
Franzdorf, Reinhart F., Defiance, Ohio. Camp stool. 1,635,828; July 12.
Fraser, Frank. (See Baker, N. M., and Fraser.)
Frederickson, Otto A., Wethersfield, assignor to The Wiremold Company, Hartford, Conn. Protecting coating for covered conductors and applying the same. 1,635,829; July 12.
Free, Thomas J., Neillsville, Wis. Amusement device. 1,635,931; July 12.
Freise, Henry F., Old Monroe, Mo. Corn-husking machine. 1,635,400; July 12.
Frey, Karl, Ennetbaden, assignor to A. G. Brown, Boveri & Cie., Baden, Switzerland. Compressor apparatus. 1,635,318; July 12.
Frikke, Nic C., Esbjerg, Denmark. Steering-gear brake. 1,635,210; July 12.
Fritsch, August, Engelfeld, Saskatchewan, Canada. Combined brush-cutting and road-scraping machine. 1,635,211; July 12.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fulweiler, John E., Moylan, Pa. Grate. 1,635,932; July 12.
Furst, Ernest, and S. Tave, New York, N. Y. Lamp-shade holder. 1,635,268; July 12.
Fuson, Ira, Long Beach, Calif. Sink structure. 1,635,361; July 12.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Electrical connecter. 1,635,830; July 12.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Electrical connecter. 1,635,831; July 12.
Gagnon, William J., assignor to The Bead Chain Manufacturing Company, Bridgeport, Conn. Electrical connecter. 1,635,832; July 12.
Gaban, Albert T., Fresno, Calif. Method of and apparatus for canning figs. 1,635,471; July 12.
Gammeter, John R. (See Hadfield, John, assignor.)
Gardiner, William C., Toronto, assignor to Satin Finish Hardwood Flooring Company, Limited, Weston, Ontario, Canada. Treatment of lumber. 1,635,665; July 12.
Garnett, Henry J. (See Smith, W. S., and Garnett.)
Gebhart Folding Box Company, The. (See Gebhart, Louis H., assignor.)
Gebhart, Louis H., assignor to The Gebhart Folding Box Company, Dayton, Ohio. Box. 1,635,666; July 12.
Gee, Alfred, et al. (See Potts, Harold E., assignor.)
Geiser, George P., Chicago, Ill. Bowling pin. 1,635,472; July 12.
Gem Crib & Cradle Company. (See Shuffleton, Wilford P., assignor.)
General American Tank Car Corporation. (See Klemoff, Paul, assignor.)
General Electric Company. (See Carter, Emmett F., assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Hort, Wilhelm, assignor.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Koref, F., and Moers, assignors.)
General Electric Company. (See Paxton, Earl B., assignor.)

General Motors Corporation. (See Holden, Fenn M., assignor.)
General Motors Corporation. (See Kettering, C. F., and Midgley, assignors.)
General Motors Corporation. (See Schadt, Ewald K., assignor.)
General Motors Corporation. (See Schwarze, H., and Holden, assignors.)
General Motors Research Corporation. (See Pearson, Frank C., assignor.)
General Motors Research Corporation. (See Summers, Caleb E., assignor.)
General Motors Research Corporation. (See Williams, Harry M., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
Genoves, Vincent, Honolulu, Hawaii. Illuminated screw driver. 1,635,933; July 12.
Gerbaczewski, Charles, Jersey City, N. J. Clothespin. 1,635,833; July 12.
Gerling, Ernst, Ohligs-Solingen, Germany. Manufacturing the knives of razors. 1,635,614; July 12.
Gesellschaft für Drahtlose Telegraphie m. b. Hallesches. (See Kummerer, Wilhelm, assignor.)
Getz, Benjamin E., Morton, Ill. Washing machine. 1,635,402; July 12.
Gibson Ernest L., Dora, Tex. Footrest for automobile accelerators. 1,635,473; July 12.
Gildersleeve, John H., and H. J. Faint, Corona, N. Y. Wheel for detachable tires. 1,635,362; July 12.
Gilewicz, Michael K., New York, N. Y. Shoe lace. 1,635,884; July 12.
Gill, James F., and J. N. Chaviara, Liverpool, England. Electrodynamic power-transmitting mechanism. 1,635,319; July 12.
Gilliland, Orra L., assignor of one-fifth to E. L. Melin, Minneapolis, Minn. Tread chain for tractors. 1,635,403; July 12.
Gillis, Lyle N., Rose Crest, Va., assignor of one-half to The Floorola Corporation, and one-half to E. J. Newcomer, Baltimore, Md. Floor-polishing machine. 1,635,474; July 12.
Gilman, George H., Belmont, Mass. Drilling machine. 1,635,475; July 12.
Gilman, George H., Belmont, Mass. Drilling machine. 1,635,934; July 12.
Glazier, Robert C., et al., executors. (See Chapin, Charles E.)
Glezen, Lee L. (See Shackleton, S. P., and Glezen.)
Godefroy, Alexandre F., St. Louis, Mo. Solenoid motor. 1,635,935; July 12.
Goeller, Lawrence E., Circleville, Ohio. Combination whisk-broom holder and shoe polisher. 1,635,885; July 12.
Goldsmith, William H., Brookline, assignor to Abington Textile Machinery Works, Boston, Mass. Pneumatic card-stripper system. 1,635,834; July 12.
Good Rubber Company, The. (See Good, William D., assignor.)
Good, William D., Akron, assignor to The Good Rubber Company, Kenmore, Ohio. Toy. 1,635,835; July 12.
Goodall, Howard W., Aldan, Pa. Hose clamp. 1,635,783; July 12.
Goodnow, Wallace F., Greenwich, Conn., and G. H. Vicker, Eastwood, N. Y., assignors to Pierce, Butler & Pierce Manufacturing Corp., Syracuse, N. Y. Hot-water and steam heater. 1,635,404; July 12.
Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)
Goodrich, B. F., Company, The. (See Mell, Tod J., assignor.)
Goodspeed Machine Company. (See Witt, John J., assignor.)
Goodyear Tire & Rubber Company. (See Klimmich, Elmer G., assignor.)
Goodyear Tire & Rubber Company, The. (See Sebrell, Lorin B., assignor.)
Goodyear Tire & Rubber Company, The. (See Shively, Walter E., assignor.)
Goodyear Tire & Rubber Company, The. (See Steere, Samuel A., assignor.)
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Loud speaker. Des. 73,030; July 12.
Gotten, Monroe, Memphis, Tenn. Sacking, packing, and mixing machine. 1,635,936; July 12.
Gourie, William J., Philadelphia, Pa. Knitting device. 1,635,547; July 12.
Grant, R. S., Co. (See Grant, Robert S., assignor.)
Grant, Richard F., et al. (See Wetherbee, H. E., and Jacobus, assignors.)
Grant, Robert S., assignor to R. S. Grant Co., Inc., Providence, R. I. Flexible chain, bracelet, or the like. 1,635,269; July 12.
Grasselli Dyestuff Corporation. (See Daimler, K., Marschall, and Balle, assignors.)
Grasselli Dyestuff Corporation. (See Wagner, Hermann, assignor.)
Gratton, Edward, Detroit, Mich. Commutator. 1,635,886; July 12.
Graves, Scott S., San Diego, Calif. Pressure cooker. 1,635,476; July 12.
Gray, William E., Chicago, Ill. Electrical vibrator. 1,635,405; July 12.
Green, Arthur, Coventry, England. Pump for refrigerating apparatus. 1,635,615; July 12.
Green, Jacob M. (See Mapon, Harry B., assignor.)
Greer, Jesse W., Cambridge, Mass. Conveyer. 1,635,406; July 12.
Grieve, David, Detroit, Mich. Drafting ellipsograph. 1,635,270; July 12.
Griffith, James, New Toronto, Ontario, Canada, assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Bowling alley. 1,635,784; July 12.
Grillo, Stanley, and J. Guerra, Tuckahoe, N. Y. Animated wind-operated ornament. 1,635,937; July 12.
Griswold, Robert G., Westfield, N. J., assignor to Doherty Research Company, New York, N. Y. Distilling coal. 1,635,667; July 12.
Groote, August, Dusseldorf, Germany. Combination bar for the intermediate frames in justifying-strip-perforating machines of the monotype typesetting-machine system. 1,635,748; July 12.
Gross, Anna L., Philadelphia, Pa. Button fastener. 1,635,785; July 12.
Grotenhuis, James T., Orange City, Iowa. Oil burner. 1,635,836; July 12.
Grover, Ray, Milwaukee, Wis. Piston ring. 1,635,407; July 12.
Gruendler, Gustav J., Clayton, Mo. Refrigerator. 1,635,668; July 12.
Guerra, Joseph. (See Grillo, S., and Guerra.)
Gulberson Corporation. (See Bell, Ivan C., assignor.)
Gustafson, Charles J. (See Mock, F. C., Gustafson, and Chandler.)
Haacke, William F., Chicago, Ill., assignor to The Prosperity Company Inc., Syracuse, N. Y. Pressing machine. 1,635,616; July 12.
Haag, Alfred H., Baltimore, Md. Combination phonograph and radio cabinet. 1,635,837; July 12.
Habart, Joseph, assignor to The Bankers Savings & Credit System Company, Cleveland, Ohio. Coin bank. 1,635,664; July 12.
Haber, Eugen, Berlin-Charlottenburg, Germany. Heat-exchanging element. 1,635,838; July 12.
Hadfield, John, assignor to J. R. Gammeter, Akron, Ohio. Making dipped-rubber articles. 1,635,576; July 12.
Hall, Charles R., Congleton, England. Siphon. 1,635,477; July 12.
Hall, J. E. (See Smith, Noble Z., assignor.)
Hall Mfg. Company, The. (See Davis, Claud A., assignor.)
Hall, Thomas, Middlesbrough, England. Raising and traversing gear. 1,635,617; July 12.
Hamilton, Estate of H. G., deceased. (See Coates, Ray G., assignor.)
Hammond, Frederick, Houston, Tex., assignor to H. F. Cohen. Mask for printing machines. 1,635,618; July 12.
Handley, Edgar G. (See Handley, George B., and E. G.)
Handley, George B. and E. G., Bradford, England. Endless cone belt. 1,635,363; July 12.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,635,408; July 12.
Hanna, Howard M., et al. (See Wetherbee, H. E., and Jacobus, assignors.)
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Hoist. 1,635,887; July 12.
Hanson, Christian, Chicago, Ill., assignor to Advance Parchollite Corporation, Chicago, Ill. Cluster construction. 1,635,888; July 12.
Hansson, Soren, assignor to J. H. Allman, trustee, Butler, Pa. Draft-gear apparatus. 1,635,409; July 12.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company New York, N. Y. Vacuum pump. 1,635,271; July 12.
Happel, Wilhelm, Oppenheim, Germany. Manufacturing clothes pegs of wire. 1,635,619; July 12.
Harris, Andrew. (See Hassall, J. K., and Harris.)
Harris, Howard C., Akron, Ohio, assignor to The Fafnir Bearing Company, New Britain, Conn. Vehicle anti-friction spring bearing. 1,635,669; July 12.
Hart, Harry H. (See Blake, I. J., and Hart.)
Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-power system. 1,635,410; July 12.
Harter, William A. (See Stassart, Joseph D., assignor.)
Hartford-Empire Company. (See Canfield, Robert W., assignor.)
Hartford-Empire Company. (See Howard, George E., assignor.)
Hartford-Empire Company. (See Peller, Karl E., assignor.)
Härtl, Karl, Chicago, Ill. Device for correcting respiration. 1,635,272; July 12.
Hartman, Emanuel W., Miami, Fla. Apparatus for extracting gas. 1,635,620; July 12.
Hartmann, Otto H., and F. Wempe, assignors to Schmidt'sche Heissdampf G. m. b. H., Cassel-Wilhelmshohe, Germany. Portable power plant utilizing steam at different pressures. 1,635,548; July 12.
Harvey, Percy P. (See Holford, Hastings J., assignor.)
Hassall, John K., Rotherwood, near Ashby-de-la-Zouch, and A. Harris, Woodville, England. Nozzle for ladles used in pouring molten metal. 1,635,839; July 12.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Nipper for tuft weaving. 1,635,670; July 12.

Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tuft tube for tube frames. 1,635,671; July 12.
Haug, Thaddeus L. E., Berkeley, Calif. Cutting screw threads in channeled material. 1,635,621; July 12.
Haussmann, John F., assignor of one-fourth to C. A. Rusch and one-fourth to D. W. Hoan, Milwaukee, Wis. Flying machine. 1,635,364; July 12.
Haw, Jakob, Friedenau, near Berlin, Garmany. Metal propeller. 1,635,840; July 12.
Heany, John A., New Haven, Conn. Incandescent electric lamp. 1,635,320; July 12.
Hebeler, Henry, jr., assignor to St. Louis Braid Company, St. Louis, Mo. Braid package. 1,635,841; July 12.
Heddon's, James, Sons. (See Welch, Jack T., assignor.)
Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Tumbler. Des. 73,031; July 12.
Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Combination salt and pepper shaker. Des. 73,032; July 12.
Heller, B., & Company. (See Alsberg, Julius, assignor.)
Henderson, Ralph L., Charleston, W. Va. Fishing tool. 1,635,622; July 12.
Herrly, Clarence J., Pittsburgh, Pa., assignor to The Frest-O-Lite Company, Inc. Lime-sludge product and making the same. 1,635,212; July 12.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriting Company, Inc., New York, N. Y. Typewriting machine. 1,635,411; July 12.
Hess, Edward B., Orlando, Fla., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,635,412; July 12.
Hess, Edward B., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,635,672; July 12.
Hess, Elam G., Manheim, Pa. Food product. 1,635,273; July 12.
Hill, Nikolai, Iron Belt, Wis. Mop holder. 1,635,973; July 12.
Howes, Raymond T. (See Black, J. C., Rial, and Howes.)
Hickok, W. O., Mfg. Co., The. (See Broadmeyer, Albert, assignor.)
Highfield Electrical Company Limited, The. (See Highfield, F. W., and Taylor, assignors.)
Highfield, Frank W., and H. E. Taylor, assignors to The Highfield Electrical Company Limited, Coventry, England. Electrical testing apparatus for fluid-pressure engines. 1,635,980; July 12.
Highway Trailer Company. (See Clement, Charles G., assignor.)
Himmelman, Henry, Winnipeg, Manitoba, Canada. Game board. Des. 73,033; July 12.
Hinkley, George F., Brookings, S. Dak. Wet-feed mixer. 1,635,321; July 12.
Hirner, Emil A., Allentown, Pa. Manufacture of hosiery. 1,635,712; July 12.
Hirshstein, Joseph, Cleveland Heights, Ohio. Check valve. 1,635,842; July 12.
Hirst, Franklin G., Philadelphia, Pa. Lubrication of vehicle springs. 1,635,413; July 12.
Hirst, Frederick W., Ewing Township, Mercer County, N. J. Flow regulator. 1,635,414; July 12.
Hislop, Robert S., assignor to Racine Confectioners Machinery Company, Racine, Wis. Candy-making machine. 1,635,713; July 12.
Hoan, Daniel W., et al. (See Haussmann, John F., assignor.)
Hofmann, George, Chicago, Ill. Preserving eggs. 1,635,843; July 12.
Hoffmann, Joseph J., Denver, Colo. Hopper for molds. 1,635,844; July 12.
Hoffmann, Simon, executor. (See Schmidt, Wilhelm.)
Hoffmann, William H., assignor of one-half to A. J. L. Dolon, Brooklyn, N. Y. Door-lock. 1,635,714; July 12.
Holden, Fenn M. (See Schwarze, H., and Holden.)
Holden, Fenn M., assignor to General Motors Corporation, Detroit, Mich. Yielding motor suspension. 1,635,213; July 12.
Holdsworth, Willie, Providence, R. I. Gill screw. 1,635,181; July 12.
Holford, Hastings J., Addiscombe, assignor of one-half to P. P. Harvey, London, England. Separating water and other impurities from mineral or other oils or liquids. 1,635,845; July 12.
Holley, George M. (See Anderson, R. M., and Udale, assignors.)
Hollister, Harvey F., Spencer, Iowa. Condenser and cooler. 1,635,549; July 12.
Holmes, Arthur S., Oshkosh, Wis. Heating coiled material. 1,635,715; July 12.
Holmes, Morris P., assignor to Sullivan Machinery Company, Claremont, N. H. Mining apparatus. 1,635,623; July 12.
Holmes, Robert E. L., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,635,786; July 12.
Holmes, Robert E. L., assignor to Westco-Chippewa Pump Company, Davenport, Iowa. Pump. 1,635,846; July 12.
Holton, Frank & Co. (See Arthur, Paul, assignor.)
Hooper, Henry Y., Montclair, N. J. Crank-case repair arm. 1,635,847; July 12.
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopper, Samuel E., Crafton, Pa. Boiler stand. 1,635,415; July 12.
Horowitz, Samuel, New York, N. Y. Display device for slippers. 1,635,673; July 12.
Hort, Wilhelm, Charlottenburg, Germany, assignor to General Electric Company. Fatigue testing of material. 1,635,787; July 12.
Hosmer, Chester C., Huntington Beach, Calif. Blow-out-preventer attachment for casing heads. 1,635,749; July 12.
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method and apparatus for blowing glass parisons. 1,635,716; July 12.
Howard, Nelson F., La Fayette, Ind. Fence-tightening post. 1,635,416; July 12.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Skate machine. 1,635,577; July 12.
Howe, Winthrop K., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y. Washing-machine cylinder. 1,635,578; July 12.
Howes, S. M., Company, The. (See Bertram, Frank, assignor.)
Hubbard, Moses G., Chatham, N. J. Pressure regulator. 1,635,274; July 12.
Hudson, Armond D., Keyapaha, and E. L. Smith, assignors of one-fourth to W. A. Tibbles, Millboro, and one-fourth to B. B. Butts, Winner, S. Dak. Mechanical movement. 1,635,182; July 12.
Hudson, James A., Borger, Tex. Automatic switch for film rewinders. 1,635,478; July 12.
Hudson, John W., Lynbrook, N. Y. Cooling mechanism for internal-combustion engines. 1,635,938; July 12.
Huguley, Carl M. (See Huguley, Job C. and C. M.)
Huguley, Job C. and C. M., San Diego, Calif. Mop machine. 1,635,322; July 12.
Hulbert, Leonard. (See Bernstein, J. S., and Hulbert.)
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Power system. 1,635,788; July 12.
Humidity Control Company, The. (See Ascher, Louis K., assignor.)
Humphrey, Raymond C., Pittsfield, Mass. Automobile brake adjuster. 1,635,417; July 12.
Hunt, Wilson P., assignor to Moline Tool Company, Moline, Ill. Control and feed for boring and drilling machines, etc. 1,635,848; July 12.
Hurd, John F., Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture loop or analogous article. Des. 73,034; July 12.
Hurd, John F., Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture tassel or analogous article. Des. 73,035; July 12.
Hurd, John F., Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Backplate for lighting fixtures. Des. 73,036; July 12.
Hurd, John F., Brooklyn, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture canopy or analogous article. 73,037; July 12.
Hurley, Mike N., Whittier, Calif. Automobile bumper. 1,635,418; July 12.
Hurwitz, Hermann and Co. (See Welde, Rudolf, assignor.)
Hutchinson, George, assignor to Hutchinson Scale Company, Sheboygan, Wis. Indicator device for instruments. 1,635,479; July 12.
Hutchinson Scale Company. (See Hutchinson, George, assignor.)
Hydraulic-Press Brick Company. (See McArdle, Montrose P., assignor.)
Hyman, Bettie, Richmond Hill, N. Y. Holder for nursing bottles. 1,635,789; July 12.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Overload relay for electric heaters. 1,635,674; July 12.
I. G. Farbenindustrie Aktiengesellschaft. (See Benda, Louis, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Benda, L., and Sievers.)
Iding, Mathew P., and W. A. Nimtz, Milwaukee, Wis., said Nimtz assignor to said Iding. Composition. 1,635,675; July 12.
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Cap and shell fastening for lamp-socket casings. 1,635,323; July 12.
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Combined lamp socket and current tap. 1,635,889; July 12.
Imperial Oil, Limited. (See Leaver, Charles, assignor.)
Imset, Otto, Oslo, Norway. Writing implement. 1,635,624; July 12.
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Isaacs, Louis, Louisville, Ky. Building material. 1,635,676; July 12.
Isaacs, Mark, Minneapolis, Minn. Milk can. 1,635,419; July 12.
Isguerra, Martin, Kanopolis, Kans. Bicycle wheel. 1,635,849; July 12.
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for reversing and controlling regenerative furnaces. 1,635,939; July 12.
Jacobson, Omand B., Waukegan, Ill. Floor-surfacing machine. 1,635,480; July 12.

Jacobus, Edward, Newark, N. J. Radiator vent valve. 1,635,790; July 12.
Jacobus, William L. (See Wetherbee, H. E., and Jacobus.)
Jagemann, Frederick, New York, N. Y. Adjustable tie clasp. 1,635,791; July 12.
Jamison, George S., et al. (See Chapman, Charles E., assignor.)
Jeannotte, Arthur A., Nashua, N. H. Combined stool, steps, and tool box. 1,635,183; July 12.
Jefferson, Jerome D., Federalsburg, Md., assignor to Del-Mar-Va Sales Company, Laurel, Del. Impaling trap. 1,635,890; July 12.
Jenkins, Charles F., Washington, D. C. Web message radio. 1,635,324; July 12.
Jenks, Fred A., Plymouth, assignor to Plymouth Cordage Company, North Plymouth, Mass. Label for rope. 1,635,750; July 12.
Jensen, Rasmus N., Salt Lake City, Utah. Wall board. 1,635,214; July 12.
Jessen, Christian. (See Schulz, P. H., and Jessen.)
Jiffy Wire Connector Company. (See Sommer, W. R., Ree, and Kerkhof, assignors.)
Johnson, Albert B., New Britain, Conn. Pad for dental use. 1,635,275; July 12.
Johnson, Alrik, O. Persson, and P. Johnson, Kelliher, Saskatchewan, Canada. Oil can, lubricator, and the like. 1,635,215; July 12.
Johnson, Ford, Helena, Mont. Stub holder for check books. 1,635,625; July 12.
Johnson, George M., assignor to Fort Pitt Mine Equipment Company, Jeannette, Pa. Chain rail-car conveyer. 1,635,276; July 12.
Johnson, George T., and H. W. Stertxbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Cast car-truck side frame. 1,635,751; July 12.
Johnson, Iver, Vancouver, British Columbia, Canada. Butt gauge. 1,635,752; July 12.
Johnson, Lloyd A., San Francisco, Calif. Laminated shim. 1,635,753; July 12.
Johnson, Pete. (See Johnson, A., Persson, and Johnson.)
Johnson, Stanley G., assignor to The Burkhardt Company, Detroit, Mich. Display book. 1,635,420; July 12.
Johnson, Stanley G., assignor to The Burkhardt Company, Detroit, Mich. Display book. 1,635,421; July 12.
Johnson, William H., Haverhill, Mass. Figure toy. 1,635,550; July 12.
Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
Jones & Lamson Machine Company. (See Lovely, John E., assignor.)
Jones, Lester L., Oradell, N. J. Manufacture of electrical resistance units. 1,635,184; July 12.
Jones, Percival W., Warwick, R. I. Hook. 1,635,277; July 12.
Jones, Russell G., London, England, and C. Zwichel, Dayton, Ohio, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Armature-winding machine. 1,635,677; July 12.
Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Bar and shelf bracket. Des. 73,038; July 12.
Jorner, Victor G., Chicago, Ill. Lathe chuck. 1,635,481; July 12.
Joseph & Feiss Co., The. (See Feiss, Richard A., assignor.)
Joyce, Bryan P., Washington, D. C. Packing. 1,635,482; July 12.
Jurasinski, Thomas L., West Allis, Wis. Window structure. 1,635,678; July 12.
Kanzel, Maxwell, New York, N. Y. Wallet. 1,635,940; July 12
Kaplan, Harry E., Chicago, Ill. Envelope. 1,635,278; July 12.
Kaplan, Samuel, Monroe, La. Automobile wheel. 1,635,325; July 12.
Karnes, James C., Buffalo, N. Y. Fire-control system for guns. 1,635,365; July 12.
Karpen, S., & Bros. (See Carter, Carnie B., assignor.)
Kasdan, Nathan, New York, and D. Pollack, Brooklyn, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Vanity case. 1,635,326; July 12.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Quill drive. 1,635,551; July 12.
Keesee, John H., Griswold, Iowa. Combined end gate and platform. 1,635,422; July 12.
Keller, Charles B., assignor to H. C. La Rue, Jenkintown, Pa. Grinding mechanism. 1,635,702; July 12.
Keiner, George, Cleveland, Ohio. Spring lubricator. 1,635,327; July 12.
Kendall, William G., Newark, N. J. Compact ejector for vanity cases. 1,635,891; July 12.
Kendall, William G., Newark, N. J. Vanity-case hinge. 1,635,941; July 12.
Kerkhof, Cornelus. (See Sommer, W. R., Ree, and Kerkhof.)
Kesling, Elmer G., Bloomfield, Mo. Speed-changing mechanism. 1,635,483; July 12.
Kesling, Elmer G., Bloomfield, Mo. Speed-changing mechanism for motor vehicles. 1,635,484; July 12.
Kessler, Morris S. (See Bell, C. L., and Kessler.)
Kettering, Charles F., and T. Midgley, jr., Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Using low compression fuels. 1,635,216; July 12.
Keville, John J., Leominster, Mass. Ornament for personal wear. 1,635,485; July 12.
Khanzadian, Avedis S., Binghamton, N. Y. Rug-cleaning machine. 1,635,366; July 12.
Kiefer, Karl, Cincinnati, Ohio. Filling machine. 1,635,754; July 12.
Kimball, A., Company. (See Wallin, Gustaf A., assignor.)
Kimmich, Elmer G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Belt joint. 1,635,185; July 12.
King, William J., assignor to The E. T. Burrowes Company, Portland, Me. Folding table. 1,635,279; July 12.
Kintz, Earl E., Bucyrus, Ohio. Eyeshield and face protector. 1,635,328; July 12.
Kinzie, Elmer G., Logansport, Ind. Flying machine. 1,635,892; July 12.
Kirchman, Ferdinand H., assignor to E. C. Foster, Washington, D. C. Welding manganese steel to carbon steel. 1,635,217; July 12.
Klawitter, Carl E. (See Pagel, F. F., and Kalwitter.)
Klemm, Edwin O., Saginaw, Mich. Study chair. Des. 73,039; July 12.
Klemoff, Paul, assignor to General American Tank Car Corporation, Chicago, Ill. Tank car. 1,635,717; July 12.
Kliegl, Anton T., et al. (See Linnebach, Adolph, assignor.)
Kliegl, John H., et al. (See Linnebach, Adolph, assignor.)
Klotz, Ulus S., Toledo, Ohio. Wind guard for automobile levers. 1,635,329; July 12.
Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture plate. Des. 73,040; July 12.
Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture plate. Des. 73,041; July 12.
Knieriem, John, Glendale, N. Y., assignor to Metropolitan-Columbia Mfg. Co., Inc. Lighting-fixture plate. Des. 73,042; July 12.
Knopf, Carl L. (See Larson, C. M., and Knopf.)
Knowles, Alexander S., New York, N. Y., and C. V. McIntire, East Orange, N. J., assignors to Tar & Petroleum Process Company, Chicago, Ill. Rectangular sole-fired coke oven. 1,635,280; July 12.
Knudsen, Hans, Schleswig, Iowa. Folding farrowing house. 1,635,942; July 12.
Konoff, Alexander, New York, N. Y., assignor to Voices Incorporated, Wilmington, Del. Post structure for voice devices. 1,635,330; July 12.
Koref, Fritz, and K. Moers, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Working refractory metals. 1,635,793; July 12.
Krisch, Frank, Los Angeles, Calif. Hydraulic brake mechanism. 1,635,331; July 12.
Krum, Charles L. and H. L., assignors, by mesne assignments, to Morkrum-Kleinschmidt Corporation, Chicago, Ill. Printing or secoting telegraph. 1,635,486; July 12.
Krum, Howard L. (See Krum, Charles L. and H. L.)
Kubista, Charlie L., Sleepy Eye, Minn. Clothesline holder. 1,635,850; July 12.
Kubler, Johannes, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Device for preventing oxidation of oil in transformers. 1,635,332; July 12.
Kulhawy, Ferdinand, Guttenberg, N. J. Radio apparatus multiple dial. Des. 73,043; July 12.
Kummerer, Wilhelm, assignor to Gesellschaft für Drahtlose Telegraphie m. b. Halleschea, Berlin, Germany. Transformer. 1,635,794; July 12.
Kus, Thomas G., Evanston, assignor to American Coke & Chemical Company, Chicago, Ill. Coke oven. 1,635,679; July 12.
Lane, Walter, assignor to Bush & Lane Piano Company, Holland, Mich. Upright piano. 1,635,755; July 12.
Lapham, Anna M., St. Paul, Minn. Parcel carrier for shoppers. 1,635,423; July 12.
Larned, William A., Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Controlling the tension of a tennis racket stringing. 1,635,943; July 12.
Larson, Clifford M., Chicago, Ill. Viscosometer. 1,635,281; July 12.
Larson, Clifford M., and C. L. Knopf, Chicago, Ill. Dilutometer. 1,635,553; July 12.
La Rue, Harry C. (See Keller, Charles B., assignor.)
La Shelle, Claude P., and W. A. Behrens, New York, N. Y. Chain guide. 1,635,552; July 12.
La Tourrette, Willett J., Denver, Colo. Light-ray-filtering screen. 1,635,367; July 12.
Layne & Bowler Corporation. (See Layne, Mahlon E., assignor.)
Layne, Mahlon E., South Pasadena, assignor to Layne & Bowler Corporation, Los Angeles, Calif. Guarded opening screen. 1,635,368; July 12.
Leach, Alice F., Brookline, Mass. Tent. 1,635,756; July 12.
Leaver, Charles, Imperoyal, Nova Scotia, Canada, assignor to Imperial Oil, Limited. Refining oils. 1,635,718; July 12.
Lebby, States L., Corning, N. Y. Photographic printing apparatus. 1,635,554; July 12.
LeBlanc, John A., White Castle, La. Cable guide. 1,635,944; July 12.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch mechanism. 1,635,579; July 12.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Latch mechanism. 1,635,580; July 12.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Latch construction. 1,635,757; July 12.
Lee, Harry S., Plymouth, Mich. Molding apparatus. 1,635,369; July 12.
Lee, Harry S., Plymouth, Mich. Apparatus and method of coating molds with carbon. 1,635,370; July 12.
Lemon, Frank R., Vicksburg, Mich., assignor of one-third to Henry B. and L. L. Crawford. Door-operating mechanism. 1,635,758; July 12.
Lentz, William H. (See Manuel, C. J., and Lentz.)
Lerch, Fred J., Louisville, Ky. Pipe. 1,635,487; July 12.
Levenson, Adolph, New York, N. Y. Coupling member for lubricating devices. 1,635,371; July 12.
Lewis, Kenneth B., and F. H. Ellsworth, assignors to Morgan Construction Company, Worcester, Mass. Manufacture of wire drawing dies. 1,635,945; July 12.
Liljebladh, Eric H., Gottenborg, Sweden. Sheet-separating device for paper-feeding machines. 1,635,626; July 12.
Lindburg, Joseph, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,635,282; July 12.
Linnebach, Adolph, Dresden, Germany, assignor to J. H. Kliegl and A. T. Kliegl, copartners, doing business as Universal Electric Stage Lighting Company, New York, N. Y. Method of and apparatus for projecting images. 1,635,795; July 12.
Lipp, Julius J., Chicago, Ill. Down indicator. 1,635,719; July 12.
Lippert, Samuel, Garfield Heights, Ohio, assignor to The Outlook Company, Cleveland, Ohio. Signal light for vehicles. 1,635,372; July 12.
Lippold, Charles J., Washington, D. C. String fastener. 1,635,283; July 12.
Liptak, Michael, St. Paul, Minn. Ventilated furnace wall. 1,635,851; July 12.
Little, George P., Cleveland Heights, Ohio. Acoustic wall construction. 1,635,796; July 12.
Little, William M., and J. L. Sherman, Norphlet, Ark. Oil separator. 1,635,218; July 12.
Littleton, Jesse T., assignor to Corning Glass Works, Corning, N. Y. Spark plug. 1,635,186; July 12.
Lloyd, George F., Brighton, and F. H. Campbell, assignors to Commonwealth White Lead and Paints Proprietary Limited, Melbourne, Australia. Manufacture of white lead. 1,635,759; July 12.
Lobdell Car Wheel Company. (See Stuart, Joseph, assignor.)
Lobdell-Emery Manufacturing Company. (See Miller, Ivan, assignor.)
Lofholm, John, East Braintree, Mass. Plastering machine. 1,635,373; July 12.
Lomar, Louis L., Houston, Tex. Shock absorber. 1,635,284; July 12.
London, Jacob M., Tunnelton, Pa., assignor to Sullivan Machinery Company, Claremont, N. H. Mining machine. 1,635,488; July 12.
Lord, Chester B., assignor to Endicott Johnson Corporation, Endicott, N. Y. Boot. Des. 73,044; July 12.
Lough, Hector V., Hartford, Conn., and G. B. Mix, assignor to Morgan & Wright, Detroit, Mich. Apparatus for covering annular rings. 1,635,187; July 12.
Lovell, Stanley P., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 1,635,627; July 12.
Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Taper-turning attachment. 1,635,285; July 12.
Lundy, Charles H., Wickham, W. Va. Connecter for electrical conductors. 1,635,760; July 12.
Lutes, Charles S., Saskatoon, Saskatchewan, Canada. Oil-valve attachment for engine crank casings. 1,635,219; July 12.
Lüttin, Karl, Basel, assignor to the society T. R. Geigy A. G., Basel, Switzerland. Dye solution. 1,635,628; July 12.
Luttschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Stahl, K., and Siller, assignors.)
Lynch, Joseph, Perth Amboy, N. J. Cornice block. 1,635,893; July 12.
MacCormac, Rockwell M., Kansas City, Mo. Garment supporter. 1,635,424; July 12.
Macdonald, Laurie S., and J. E. Small, assignors to Thompson Bros. Shoe Co., Brockton, Mass. 1,635,852; July 12.
MacGregor, Peter G., Pequannock, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J. Indicating device. 1,635,555; July 12.
MacKenzie, George W., Beaver, Pa., assignor to Correct Measure Company, Rochester, Pa. Liquid-dispensing apparatus. 1,635,720; July 12.
Madison Kipp Corporation. (See Coles, Wilfred G., assignor.)
Magnetic Manufacturing Co. (See Bethke, John P., assignor.)
Majestic Metal Specialties, Inc. (See Kasdan, N., and Pollack, assignors.)
Malaval, Pierre, and R. P. E. Paquelier, Paris, France. Renovation of worn gun barrels and improvements in gun barrels. 1,635,721; July 12.
Mallinson, H. R., Co. Inc. (See Podhradsky, Zdenko, assignor.)
Mallouk, Salim N., Brooklyn, N. Y. Embroidered cloth table cover or the like. Des. 73,045; July 12.
Manuel, Charles J., and W. H. Lentz, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y. Thermometer. 1,635,680; July 12.
Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Liquid-level indicator. 1,635,374; July 12.
Mapou, Harry B., assignor of one-half to J. M. Green, New York, N. Y. Tie. 1,635,946; July 12.
Marbury, Ralph E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser. 1,635,556; July 12.
Marcel, François R., Brooklyn, N. Y. Hair-waving tube. 1,635,425; July 12.
Marcel, François R., Brooklyn, N. Y. Curling pin for permanent hair waving. 1,635,426; July 12.
March, Carl, Chicago, Ill. Toothpick holder. 1,635,947; July 12.
Marcy, Henry W., Utica, N. Y. Line distributor for fishing reels. 1,635,629; July 12.
Marette, Jacques, Vincennes, assignor to Pathé Cinéma, Anciens Etablissements Pathé Frères, Paris, France. Antistatic photographic film. 1,635,681; July 12.
Marr, Zacheus M., Fremont, Nebr., assignor to Racine Confectioners' Machinery Co., Racine, Wis. Candy-forming machine. 1,635,682; July 12.
Marschall, Franz. (See Daimler, K., Marschall, and Balle.)
Marsden, John E. (See Milliken, John A., assignor.)
Masters, W. A., et al. (See Shay, Harry E., assignor.)
Mathers, Kenneth A., Haskins, Iowa. Amusement device. 1,635,375; July 12.
Maupai, Eugene L., New York, N. Y. Dyeing silk. 1,635,761; July 12.
McArdle, Montrose P., Webster Groves, assignor to Hydraulic-Press Brick Company, St. Louis, Mo. Scum gutter. 1,635,762; July 12.
McClure, Elmer P., Western Springs, Ill., assignor to Aluminum Products Company. Cooking utensil. 1,635,189; July 12.
McClure, Elmer P., Western Springs, assignor to Aluminum Products Company, La Grange, Ill. Heat-distributing plate for cooking utensils. 1,635,286; July 12.
McColm, Milton J., Sioux City, Iowa. Game. 1,635,489; July 12.
McDonnell, Michael J. (See Duncan, Daniel E., assignor.)
McEntee, James, Rochester, N. Y. Direction signal for motor vehicles. 1,635,427; July 12.
McIlvaine, Cloyd A., Balboa Heights, Canal Zone. Golf tee. 1,635,376; July 12.
McIntire, Charles V. (See Knowles, A. S., and McIntire.)
McKee, Samuel M., Cumberland, Md. Piston-ring applier. 1,635,722; July 12.
McMaster, Flossie M., San Jose, Calif. Hair-marceling device. 1,635,683; July 12.
McMillan, Howard O., Minneapolis, Minn. Form tie for concrete forms. 1,635,428; July 12.
McVicker, Emery M., Milwaukee, Wis. Rail anticreeper. 1,635,377; July 12.
McWilliam, Douglas, Dunedin Otago, New Zealand. Signal device for motor cars and the like. 1,635,630; July 12.
Mead, Edward C., Elkhart, Ind. Combined fishing-tackle box and line winder and drier. 1,635,378; July 12.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electric switch. 1,635,581; July 12.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electric welding machine. 1,635,582; July 12.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Electric welding apparatus. 1,635,583; July 12.
Meek, Marcellus W., Arcadia, Calif. Fur-pelt stretcher. 1,635,557; July 12.
Meldrum, Alexander, Syracuse, N. Y. Cast-metal vehicle wheel. 1,635,490; July 12.
Melin, E. Luther. (See Gilliland, Orra L., assignor.)
Mell, Tod J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making decorative rubber sheeting. 1,635,684; July 12.
Mergenthaler Linotype Company. (See Rousseau, Joseph L., assignor.)
Meserole, Milton D., Milford, assignor to The Ansonia Novelty Company, Ansonia, Conn. Pencil sharpener. 1,635,974; July 12.
Metropolitan-Columbia Mfg. Co. (See Hurd, John F., assignor.)
Metropolitan-Columbia Mfg. Co. (See Knieriem, John, assignor.)
Michallat, Francis J., Norwich, England, assignor, by mesne assignments, to Baker Perkins Company, Inc., Saginaw, Mich. Apparatus for decorating chocolates, confectionery, and the like. 1,635,190; July 12.
Michelin, André J., Paris, France. Vehicle wheel. 1,635,894; July 12.
Michelin, André J., Paris, France. Vehicle wheel. 1,635,895; July 12.
Mickleborough, May E., Brooklyn, N. Y. Lingerie-fastening device. 1,635,333; July 12.

Midgley, Thomas, jr. (See Kettering, C. F., and Midgley.)
Miller, George W., Waynesville, N. C. Mechanically-operated figure toy. 1,635,948; July 12.
Miller, Henry, Grafton, W. Va. Violin mandolin. 1,635,429; July 12.
Miller, Ivan, Onaway, assignor to Lobdell-Emery Manufacturing Company, Alma, Mich. Mortising machine. 1,635,723; July 12.
Miller, Minnie W., Salt Lake City, Utah. Label for livestock. 1,635,853; July 12.
Miller, Monroe E., Washington, D. C., assignor, by mesne assignments, to Union Simplex Train Control Co., Inc., Rochester, N. Y. Run-down and reset locomotive-control apparatus. 1,635,584; July 12.
Miller Rubber Company, The. (See Brundage, James W., assignor.)
Miller, Wallace W., Steubenville, Ohio. Heating apparatus. 1,635,379; July 12.
Miller, William, Blair, Nebr. Boat. 1,635,854; July 12.
Milligan, Lowell H., and C. H. Quick, assignors to Norton Company, Worcester, Mass. Abrasive article and manufacturing the same. 1,635,981; July 12.
Milliken, John A., Ambler, assignor to J. E. Marsden, Philadelphia, Pa. Glass-grinding machine. 1,635,491; July 12.
Minnesota Mining & Manufacturing Company. (See Okie, Francis G., assignor.)
Miranda, Frank A., San Leandro, Calif. Automobile clutch lock. 1,635,797; July 12.
Mitcham, Eldon H., Charlton, Iowa. Rotary-valve structure. 1,635,380; July 12.
Mitchell, Frank B., Regina, Saskatchewan, Canada. Revolving store fixture. 1,635,334; July 12.
Mix, Gustave B. (See Lough, H. V., and Mix.)
Mock, Frank C., C. J. Gustafson, and M. E. Chandler, assignors to Stromberg Motor Devices Company, Chicago, Ill. Altitude control for airplane-engine throttles. 1,635,492; July 12.
Moers, Kurt. (See Koref, F., and Moers.)
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Looper-thread-controlling mechanism for sewing machines. 1,635,493; July 12.
Mohawk Electric Corporation. (See Chamberlain, Paul A., assignor.)
Moline Tool Company. (See Hunt, Wilson P., assignor.)
Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
Moores, Charles F. (See Ryder, C. D., and Moores.)
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,635,855; July 12.
Moran, George R., Sandusky, Ohio. Bearing for railroad trucks and similar structures. 1,635,685; July 12.
Moreau, Jean, Noyelles-sur-Escaut-Nord, France. Beet harvester. 1,635,494; July 12.
Morehouse, Eugene, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Forming the body member of a safety catch. 1,635,188; July 12.
Morgan Construction Company. (See Isley, George H., assignor.)
Morgan Construction Company. (See Lewis, K. B., and Ellsworth, assignors.)
Morgan, John S., and D. Rider, assignors to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Distillation of tar. 1,635,896; July 12.
Morgan & Wright. (See Abbott, Adrian O., jr., assignor.)
Morgan & Wright. (See Lough, H. V., and Mix, assignors.)
Morkrum-Kleinschmidt Corporation. (See Krum, Charles L. and H. L., assignors.)
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,635,856; July 12.
Morris, Archibald W., Kuinra, via Cairns, Queensland, Australia. Lock. 1,635,724; July 12.
Morris, Harry J., Pasadena, Calif. Orthopedic appliance. 1,635,798; July 12.
Morrison, Peter E., Arlington, assignor to Henry Cole & Company, Boston, Mass. Electric-lamp socket. 1,635,686; July 12.
Morrow, Dwight S., Milan, Ohio. Plural liquid-distributing system. 1,635,381; July 12.
Mosaic Tile Company, The. (See Jordan, Roy E., assignor.)
Mossbach, Henry, Seattle, Wash. Gasoline gauge. 1,635,382; July 12.
Muir, Wellington W., Lockport, N. Y. Cooling system. Re16,676; July 12.
Murphy, George S., assignor to The Armand Company, Des Moines, Iowa. Holding and shipping insert. 1,635,430; July 12.
Murphy, P. H. Company. (See Bonsall, Charles D., assignor.)
Murphy, Walter P., New York, N. Y. Sheet-metal car door. 1,635,191; July 12.
Murray, Henry, Jersey City, N. J. Combination plumb line and level. 1,635,857; July 12.
Murray, J. L., et al. (See Shay, Harry E., assignor.)
Murray, Thomas E., jr., Brooklyn, N. Y. Wheel with drum. 1,635,335; July 12.
Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,635,431; July 12.
N. V. Industrie- en Handelmaatschappij v. H. Harms & Co. (See Ezendam, Jan H., assignor.)
Nardin, William T., Moorestown, N. J., assignor to G. J. Campbell, Philadelphia, Pa. Coupling for tire chains. 1,635,975; July 12.
National Brake and Electric Company. (See Aikman, Burton S., assignor.)
National Enameling & Stamping Co. (See Sladky, Alexander C. and J., assignors.)
National Pump and Compressor Company. (See Wilson, Edward, assignor.)
Neff, Joseph. (See Abrams, S., and Neff.)
Nell, Joseph B., York, assignor of one-third to C. L. Cobb, Rock Hill, and one-third to J. C. Wilborn, York, S. C. Cotton-picking machine. 1,635,725; July 12.
Nellis, Edwin L., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Manufacture of nitric acid. 1,635,949; July 12.
Nelson, Hans J., Palo Alto, Calif. Aeroplane. 1,635,897; July 12.
Nelson, Oscar V., Racine, Wis. All-metal window sash. 1,635,336 July 12.
Nerney, Edwin D., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,635,799; July 12.
Nettenstrum, David, Chicago, Ill. Hydraulic brake. 1,635,383; July 12.
Nevill, Phillip W., Perth, Western Australia, Australia. Manufacture of sponge iron. 1,635,950; July 12.
Newcomer, Edward M., Newburg, Iowa. Flytrap. 1,635,951; July 12.
Newcomer, Ernest J., et al. (See Gillis, Lyle N., assignor.)
New York Air Brake Company, The. (See Bickel, Henry F., assignor.)
Niemann, Erich, Charlottenburg-Berlin, Germany, assignor to A.-G. für Handels- und Industriewerte (Glarus, Glarus, Switzerland. Safety device for absorption refrigerating machines. 1,635,337; July 12.
Nimtz, William A. (See Iding, M. P., and Nimtz.)
Nitz, Emil W., Rochester, Minn. Vehicle signal. 1,635,898; July 12.
Nixon, John A. (See Slunicko, J., and Nixon.)
Noble, Arthur H., Pawtucket, R. I., assignor to Theodore W. Foster & Brother Company, Providence, R. I. Vanity case. 1,635,631; July 12.
Noblen, Carl L., Cleburne, Kans. Jetty and unit therefor. 1,635,899; July 12.
Norco Mfg. Co. (See Roggingor, John, assignor.)
Norling, Karl A. P. (See Svensson, K. J., and Norling.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism for looms. 1,635,858; July 12.
Northwestern Expanded Metal Company. (See Dean, James H., assignor.)
Norton Company. (See Milligan, L. H., and Quick, assignors.
Nyman, Alexander, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Telephone construction. 1,635,558; July 12.
Obiols, Frank, assignor of one-half to T. A. Sykes, Winnemucca, Nev. Hanger and support. 1,635,900; July 12.
Odquist, Victor, Yonkers, assignor to American Can Company, New York, N. Y. Metallic spool. 1,635,495; July 12.
Ohio Steam Shovel Company, The. (See Rauch, John D., assignor.)
Ohlsen, Arthur A. C., San Francisco, Calif. Safety device for high-tension wires. 1,635,726; July 12.
Ohmer Fare Register Company. (See Anstotz, C., and Saupe, assignors.)
Okie, Francis G., Philadelphia, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composite structure. 1,635,800; July 12.
Okie, Francis G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Composite structure. 1,635,801; July 12.
Oldroyd, Francis H., Radcliffe, England. Apparatus for producing knotted pile fabrics. 1,635,632; July 12.
Oller, Albert, Waldron, Ark. Incubator. 1,635,901; July 12.
Orange Lighting Fixture Manufacturing Co. (See Seidell, Alfred P., assignor.)
Otterson, George W., Toronto, Ontario, Canada, assignor of four-fifths to L. A. Otterson, Seattle, Wash., and one-fifth to J. F. Brandenburg, New York, N. Y. Loading device for motor trucks. 1,635,338; July 12.
Otterson, Lissa A., et al. (See Otterson, George W., assignor.)
Otto, Clemens, Unterluss, assignor to the Firm Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Gun-sighting device. 1,635,763; July 12.
Ouchle, Elmer L., North Tonawanda, assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y. Filing device. 1,635,859; July 12.
Outlook Company, The. (See Lippert, Samuel, assignor.)
Overman, George W. P., Norfolk, Va. Lifeboat holding and launching mechanism. 1,635,860; July 12.
Pacher, Franz, Dusseldorf-Rath, Germany. Case-hardening process for steel articles. 1,635,384; July 12.
Pacific Coast Borax Company. (See Cramer, T. M., and Connell, assignors.)

Packard Motor Car Company. (See Corker, Joseph E., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Page, Frederick H., assignor to Handley Page Limited, London, England. Laterally controlling aircraft. 1,635,687; July 12.
Page, Handley, Limited. (See Page, Frederick H., assignor.)
Pagel, Fred F., and C. E. Klawitter, La Crosse, Wis. Tub bench. 1,635,902; July 12.
Palmer, Joe C., Houston, Tex. Automatic oil pump. 1,635,220; July 12.
Pan American Petroleum Company. (See Black, J. C., Rial, and Howes, assignors.)
Paqueller, René P. E. (See Malaval, P., and Paqueller.)
Park Metalware Co. Inc. (See Zilliox, John, assignor.)
Parker, Howard. (See Brown, O. B., and Parker.)
Parker, John B., Washington, D. C. Washing apparatus for laboratories. 1,635,633; July 12.
Parker, Joseph F., deceased, Cincinnati, Ohio, J. R. Burgamy, administrator. Valve. 1,635,287; July 12.
Patent Button Company, The. (See Abel, Walter T., assignor.)
Pathé Cinéma, Anciens Etablissements Pathé Frères. (See Marette, Jacques, assignor.)
Patterson, John W. (See Ambrose, R. B., and Patterson.)
Paxton, Earl B., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 1,635,764; July 12.
Pearson, Frank C., assignor to General Motors Research Corporation, Dayton, Ohio. Hydraulic brake system for motor vehicles. 1,635,221; July 12.
Peatling, Harrison B. (See Allison, Charles F., assignor.)
Peets, Wilbur J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Centerless grinding machine. 1,635,339; July 12.
Peigné, Henri, Biliancourt, France. Flexible coupling. 1,635,496; July 12.
Peller, Karl E., assignor to Hartford-Empire Company, Hartford, Conn. Leer conveyer. 1,635,861; July 12.
Penfold, Albert E., assignor to The Dunlop Rubber Company Limited, Fort Dunlop, Birmingham, England. Golf ball. Des. 73,046; July 12.
Percival H. Smith, executor. (See Smith, Oberlin, assignor.)
Percy, Leon O., assignor to The Cooper Corporation, Cincinnati, Ohio. Storage-battery container. 1,635,976; July 12.
Perfection Steel Body Co. (See Poth, John C., assignor.)
Perry, Leroy H., Gardena, and W. F. Woodman, Long Beach, Calif. Formation thief. 1,635,340; July 12.
Perry, Norvin, Tompkinsville, N. Y. Chain link. 1,635,385; July 12.
Pershing, Olynthus H., Muncie, Ind. Seed germinator. 1,635,498; July 12.
Persson, Olof. (See Johnson, A., Persson, and Johnson.)
Pervier, William A., trustee. (See Pervier, William A., assignor.)
Pervier, William A., assignor, by mesne assignments, to W. A. Pervier, trustee, Watertown, Mass. Attachment for cigarette holders. 1,635,432; July 12.
Peterson, Alfred T., Crooked Rivers, Saskatchewan, Canada, assignor of one-tenth to G. Carlson and one-tenth to S. W. Carlson, Minneapolis, Minn. Agricultural implement. 1,635,499; July 12.
Peterson, Malcolm, and M. J. Danielson, assignors to The Bryant Electrical Company, Bridgeport, Conn. Electric fitting. 1,635,903; July 12.
Peterson, William O., et al. (See Amberg, Walter E., assignor.)
Pfersdorf, Christian, Elberfeld, Germany. Device for trying on shoes or boots. 1,635,341; July 12.
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. Des. 73,047; July 12.
Phoenix Burner Corporation, The. (See Pohl, Joseph J. H., assignor.)
Piché, Frank W., Detroit, Mich. Brake mechanism. 1,635,727; July 12.
Pierce, Butler & Pierce Manufacturing Corp. (See Goodnow, W. F., and Vickers, assignors.)
Pierce, Paul, Chicago, Ill., assignor to Pierce Wrapping Machine Company. Wrapping machine. 1,635,288; July 12.
Pierce Wrapping Machine Company. (See Pierce, Paul, assignor.)
Pierson, Edward, Calumet City, Ill. Clasp. 1,635,886; July 12.
Pinkerton, Ernest H., Harlingen, Tex. Burial vault. 1,635,904; July 12.
Piro, Raffaele, Naples, Italy. Safety razor with rolling blade. 1,635,342; July 12.
Plaut, Jerome, Hamilton, Ohio. Flexible solder. 1,635,222; July 12.
Plymouth Cordage Company. (See Brewster, Ellis W., assignor.)
Plymouth Cordage Company. (See Jenks, Fred A., assignor.)
Podhradsky, Zdenko, Astoria, assignor to H. R. Mallinson Co. Inc., New York, N. Y. Fabric-trimming apparatus. 1,635,343; July 12.
Pohl, Joseph J. H., Haddon Heights, assignor to The Phoenix Burner Corporation, Camden, N. J. Liquid-fuel burner. 1,635,634; July 12.
Pollack, Daniel. (See Kasdan, N., and Pollack.)
Pomeranz, Maurice M., New York, N. Y. Röntgen-ray photographic machine. 1,635,952; July 12.
Poth, John C., assignor to Perfection Steel Body Co., Galion, Ohio. End gate. 1,635,905; July 12.
Poth, John C., Galion, Ohio. Dumping unit for motor trucks. 1,635,953; July 12.
Poth, John C., Galion, Ohio. Dumping unit for motor trucks. 1,635,954; July 12.
Potts, Harold E., Liverpool, assignor to T. Blandford and A. Gee, Doncaster, England. Cementation in the ground. 1,635,500; July 12.
Poupart, Albert P., New Orleans, La. Container seal. 1,635,955; July 12.
Powers, Mark A., Dallas, Tex. Combined beverage cooler and dispenser. Des. 73,048; July 12.
Preimesberger, Alois L., assignor of one-half to F. E. Sensenbrenner, Menasha, Wis. Friction clutch pulley. 1,635,192; July 12.
Pressed Steel Car Company. (See Brinckerhoff, Francis M., assignor.)
Prest-O-Lite Company, The. (See Herrly, Clarence J., assignor.)
Priem, Paul, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Drive of drying cylinders of paper machines. 1,635,765; July 12.
Priest, Charles A., Marion, Ind. Dental machinery. 1,635,766; July 12.
Prosperity Company. (See Davis, Ernest, assignor.)
Prosperity Company Inc., The. (See Haacke, William F., assignor.)
Pullen, Joseph R., Chicago, and W. L. Fiene, Elmhurst, Ill. Merry-go-round. 1,635,387; July 12.
Pur-Vey Carburetor Corporation, The. (See Purvey, Moreton F., assignor.)
Purvey, Moreton F., Detroit, Mich., assignor to The Pur-Vey Carburetor Corporation. Carburetor. 1,635,433; July 12.
Putt, Earl B., New York, N. Y. Denatured ethyl-alcohol composition. 1,635,635; July 12.
Pyrene Manufacturing Company. (See Ferguson, G. E., and Timpson, assignors.)
Pyrene Manufacturing Company. (See MacGregor, Peter G., assignor.)
Quait, Robert, jr., Brooklyn, assignor of one-half to J. M. Ehrlich, New York, N. Y. Phonograph record and producing the same. 1,635,862; July 12.
Quick, Charles H. (See Milligan, L. H., and Quick.)
Racine Confectioners Machinery Company. (See Hislop, Robert S., assignor.)
Racine Confectioners' Machinery Co. (See Marr, Zacheus M., assignor.)
Radio Corporation of America. (See Ranger, Richard H., assignor.)
Radio Corporation of America. (See Round, Henry J., assignor.)
Ragonot, Edmond, Malakoff, France. Vacuum cleaner. 1,635,344; July 12.
Rail Joint Company, The. (See Thomson, McLeod, assignor.)
Ralston, David S., assignor to Allied Packers, Inc., Chicago, Ill. Container for hams and the like. 1,635,688; July 12.
Rand Kardex Bureau, Inc. (See Ouchle, Elmer L., assignor.)
Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Ink supply for picture recorders. 1,635,977; July 12.
Ratel, Maurice, New York, N. Y. Automatic stoker. 1,635,501; July 12.
Rathbun, George F., Pontiac, Mich. Rotary valve. 1,635,767; July 12.
Rauch, John D., assignor to The Ohio Steam Shovel Company, Lima, Ohio. Power shovel. 1,635,434; July 12.
Rauch, John D., assignor to The Ohio Steam Shovel Company, Lima, Ohio. Turntable bearing device. 1,635,689; July 12.
Rayman, Frank, Chicago, Ill. Heater. 1,635,636; July 12.
Reap, Stephen J., Olyphant, Pa. Car-chocking means for mine cages. 1,635,956; July 12.
Redlinger, Michael, Portland, Oreg. Violin. 1,635,502; July 12.
Reed, John E., Quinter, Kans. Windshield attachment. 1,635,906; July 12.
Ree, Roelof. (See Sommer, W. R., Ree, and Kerkhof.)
Reinhardt, James H., East Orange, N. J., assignor to American Bank Note Company, New York, N. Y. Numbering machine. 1,635,503; July 12.
Remington Arms Company. (See Tillmanns, Carl W., assignor.)
Reynolds Spring Company. (See Ile, William, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Otto, Clemens, assignor.)
Rhoades, Almer W. (See Smith, A. M., and Rhoades.)
Rial, Wirt D. (See Black, J. C., Rial, and Howes.)
Richardson, Allan S., Butte, Mont. Reenforced air hose. 1,635,957; July 12.
Richardson, Ezra N., Detroit, Mich. Marking mechanism for planters. 1,635,435; July 12.

Richner, Fred C., Rochester, N. Y. Eaves-trough hanger. 1,635,690; July 12.
Richter, George A., assignor to Brown Company, Berlin, N. H. Producing white pulp of high strength. 1,635,637; July 12.
Rider, Douglas. (See Morgan, J. S., and Rider.)
Riise, John, Doylestown, Ohio. Motor vehicle. 1,635,388; July 12.
Riley Stoker Corporation. (See Taylor, Irving A., assignor.)
Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding machine. 1,635,691; July 12.
Roberson, W. H. (See Chancey, William H., assignor.)
Robinson, Joseph, New York, N. Y. Automatic train-pipe coupling. 1,635,345; July 12.
Rockland & Rockport Lime Corporation. (See Wood, George B., assignor.)
Rockwell, Harry J., Bellflower, Calif. Thermostatic gas regulator. 1,635,559; July 12.
Rodgers, Dominick, Pittsburgh, Pa. Fan. 1,635,768; July 12.
Roe, Mayo E., Elyria, Ohio. Bicycle. Des. 73,049; July 12.
Rogers, Chester, Goin, Tenn. Leg holder. 1,635,638; July 12.
Rogers, John R., Brooklyn, N. Y. Device for transmitting power. 1,635,585; July 12.
Rogginger, John, San Diego, assignor to Norco Mfg. Co., Norco, Calif. Milk-bottle supporting and locking device. 1,635,346; July 12.
Rogginger, John, San Diego, assignor to Norco Mfg. Co., Norco, Calif. Clamping ring. 1,635,347; July 12.
Romanowski, Frank, Detroit, Mich. Vehicle signal. 1,635,436; July 12.
Rose, Fred G., Rocky Ford, Colo. Transmission. 1,635,958; July 12.
Ross, Joseph A., Nanticoke, assignor of one-half to W. L. Delaney, Sheatown, Pa. Toy pump. 1,635,978; July 12.
Rost, Hugo, Dover, N. J. Toy. 1,635,223; July 12.
Rotary Refrigeration Incorporated. (See Ryder, C. D., and Moores, assignors.)
Round, Henry J., London, England, assignor to Radio Corporation of America. Reproducing sound. 1,635,959; July 12.
Rousseau, Joseph L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Justifying spacer or space band. 1,635,960; July 12.
Rowe, Perry E., Amarillo, Tex. Tool-handle fastener. 1,635,961; July 12.
Rowley, Charles P., Ninette, Manitoba, Canada. Trap. 1,635,224; July 12.
Royal Typewriter Company. (See Handley, George F., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Royal Typewriter Company. (See Myers, Lewis C., assignor.)
Royle, Vernon, Paterson, N. J. Chip fan for routing machines. 1,635,769; July 12.
Rubins, Kay B., Morral, Ohio. Three-wheel riding cultivator. 1,635,560; July 12.
Rummer, John C., Flemington, assignor of one-half to D. Stewart, Lock Haven, Pa. Combined tire and rim carrier and rim tool. 1,635,907; July 12.
Rusch, Christ A., et al. (See Hausmann, John F., assignor.)
Rüttger-Pelli, Maria, Lucerne, Switzerland. Massaging apparatus. 1,635,497; July 12.
Ryan, Jeremiah, Syracuse, N. Y. Offset tool holder. 1,635,437; July 12.
Ryder, Charles D., and C. F. Moores, said Ryder assignor to Rotary Refrigeration, Incorporated, New York, N. Y. Ice-cream cabinet. 1,635,962; July 12.
Saare, Walter, Leipzig, Germany. Washboiler. 1,635,979; July 12.
St. John, Walter S., New York, N. Y. Building construction. 1,635,231; July 12.
St. Louis Braid Company. (See Hebeler, Henry, jr., assignor.)
Samper, Joaquin, Bogota, Colombia. Indicating electrical overloads. 1,635,348; July 12.
Sandberg, Eugene S., Allentown, Pa. Vibratory distributor of electric current. 1,635,802; July 12.
Sandilands, James, Toronto, Ontario, Canada. Indicating valve. 1,635,349; July 12.
Sanford, Henry, New York, N. Y. Lubricating device. 1,635,563; July 12.
Santa Barbara Lumber Company. (See Cummings, Earle W., assignor.)
Satin Finish Hardwood Flooring Company. (See Gardiner, William C., assignor.)
Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Teapot construction. 1,635,639; July 12.
Saupe, Waldemar. (See Anstotz, C., and Saupe.)
Sauzedde, Claude, Detroit, Mich. Hub-locking device for wheels. 1,635,505; July 12.
Sauzedde, Claude, Detroit, assignor to Sauzedde Manufacturing Corporation, Mount Clemens, Mich. Hub construction. 1,635,504; July 12.
Sauzedde Manufacturing Corporation. (See Sauzedde, Claude, assignor.)
Schadt, Ewald K., assignor to General Motors Corporation, Detroit, Mich. Lens. 1,635,225; July 12.
Schattman, Harry, assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Salt and pepper shaker or article of similar nature. Des. 73,050; July 12.
Schmid, Emil, Washington, D. C. Ice cap. 1,635,488; July 12.
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 73,051; July 12.
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 73,052; July 12.
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 73,053; July 12.
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 73,054; July 12.
Schmidt, Ferdinand, Des Moines, Iowa. Goblet or similar article. Des. 73,055; July 12.
Schmidt, Wilhelm, deceased; S. Hoffmann, executor, assignor to Schmidt'sche Heissdampf, G. m. b. H., Cassel-Wilhelmshohe, Germany. Steam-power plant for submarines. 1,635,561; July 12.
Schmidt'sche Heissdampf G. m. b. H. (See Hartmann, O. H., and Wempe, assignors.)
Schmidt'sche Heisasdampf G. m. b. H. (See Schmidt, Wilhelm, assignor.)
Schram, Alexander L., Hillsboro, Ill., assignor to Ball Brothers Company, Muncie, Ind. Reenforced plunger and making same. 1,635,439; July 12.
Schroeder, Anthony, assignor of one-half to J. M. Finney, Cleveland, Ohio. Machine for making containers. 1,635,506; July 12.
Schulz, Paul H., and C. Jessen, assignors to Traffic Control, Inc., Milwaukee, Wis. Illuminated sign or signal. 1,635,863; July 12.
Schwartzman, Benjamin. (See Alter, H. A., Wollner, and Schwartzman.)
Schwartzman, Morris. (See Alter, H. A., Wollner, and Schwartzman.)
Schwarze, Herman, and F. M. Holden, assignors to General Motors Corporation, Detroit, Mich. Lock-controlled switch. 1,635,226; July 12.
Schweisthal, Fred G., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Valve snap action. 1,635,692; July 12.
Scott, Dan J., Long Beach, Calif. Collapsible drill pipe. 1,635,289; July 12.
Scott, Walter B., Marblehead, Mass. Toy windmill. Des. 73,056; July 12.
Scott, Walter J., Woonsocket, R. I. Stop motion for drawing frames. 1,635,693; July 12.
Scott, William T., Youngstown, Ohio. Tool for separating adhering sheets. 1,635,640; July 12.
Seasock, Edward T., Wall, Pa. Attachment for electric extension plugs. 1,635,507; July 12.
Sebrell, Lorin B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Accelerating the vulcanization of rubber and product thereof. 1,635,193; July 12.
Seidell, Alfred P., Bloomfield, N. J., assignor to Orange Lighting Fixture Manufacturing Co. Chandelier. Des. 73,057; July 12.
Seifert, Charles H., Hempstead, N. Y. Rotary valve. 1,635,963; July 12.
Seiter, Jacob H., Marion, Ohio. Coaster sled. 1,635,641; July 12.
Sensenbrenner, Frank E. (See Preimesberger, Alois L., assignor.)
Shackleton, Samuel P., Wyoming, N. J., and L. L. Glezen, New Brighton, N. Y., assignors to American Telephone and Telegraph Company. Cord-circuit repeater. 1,635,227; July 12.
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Shay, Harry E., assignor of one-third to W. A. Masters and one-third to J. L. Murray, Los Angeles, Calif. Bubble-absorption tower. 1,635,440; July 12.
Shear, Max, Kansas City, Mo. Adjustable foot rest for shoe-shining stands. 1,635,441; July 12.
Sheet Metal Products Co., The. (See Corrigan, Frederick S., assignor.)
Sherman, Jessie L. (See Little, W. M., and Sherman.)
Shinnick, William W., Baltimore, Md. Furniture for paper-box dies and type compositions. 1,635,964; July 12.
Shively, Louis S., University City, assignor to The Weightograph Company, St. Louis, Mo. Flexible beam connection for steelyards. 1,635,508; July 12.
Shively, Walter E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cushion tire. 1,635,194; July 12.
Shoemaker, Earl D. (See Coleman, M. C., and Shoemaker.)
Shuffleton, Wilford P., assignor to Gem Crib & Cradle Company, Gardner, Mass. Wheel-attaching device. 1,635,389; July 12.
Shur Loc Elevator Safety Co. Inc. (See Darby, John, assignor.)
Sievers, Otto. (See Benda, L., and Sievers.)
Sigurd, Carl G., San Jose, Calif. Break-pin device for cultivators. 1,635,442; July 12.
Siller, Karl. (See Stahl, K., and Siller.)
Simons, Harry C., Philadelphia, Pa. Sand, emery, or other abrasive paper, cloth, or the like. 1,635,350; July 12.

Singer Manufacturing Company, The. (See Diehl Frederick, assignor.)
Singer Manufacturing Company, The. (See Peets, Wilbur J., assignor.)
Skelley, Charles L., New York, N. Y. Safety razor. 1,635,642; July 12.
Skoglund, Leonard B., Fremont, Nebr. Sawing machine. 1,635,290; July 12.
Sladky, Alexander C. and J., assignors to National Enameling & Stamping Co., Inc., Milwaukee, Wis. Camp cookstove. 1,635,643; July 12.
Sladky, Joseph. (See Sladky, Alexander C. and J.)
Sloan, Ambrose G., Fort Smith, Ark. Fly hook. 1,635,644; July 12.
Slunicko, Julius, and J. A. Nixon, Omaha, Nebr. Pencil sharpener. 1,635,562; July 12.
Small, Joseph E. (See Macdonald, L. S., and Small.)
Smith, Arthur M., Alhambra, and A. W. Rhoades, Los Angeles, Calif. Pole-framing jack. 1,635,291; July 12.
Smith, Edward L. (See Hudson, A. D., and Smith.)
Smith, Ethel M. and S. B., Chicago, Ill. Ice cycle. 1,635,292; July 12.
Smith, Guy W., Detroit, Mich. Mud puller for automobiles. 1,635,645; July 12.
Smith, Noble Z., Champaign, Ill., assignor to M. L. Canott and J. E. Hall, San Francisco, Calif. Attachment for vault doors. Re16,675; July 12.
Smith, Oberlin, deceased; P. H. Smith, executor, Bridgeton, N. J. Phonograph. 1,635,965; July 12.
Smith, Samuel B. (See Smith, Ethel M. and S. B.)
Smith, William S., Cambridge, Mass. Signaling system for elevators. 1,635,586; July 12.
Smith, Willoughby S., N. Poppleford, and H. J. Garnett, Sevenoaks, England. Manufacture of cables loaded with alloys of high-magnetic permeability. 1,635,443; July 12.
Snow, Isaac, Lawrence, Mass. Shuttle-eye guide plate. 1,635,728; July 12.
Snowmobile Company. (See White, Virgil D., assignor.)
Soderberg, Carl R. (See Trumpler, W. E., and Soderberg.)
Sokolov, Jacob, Detroit, Mich. Spare-tire lock. 1,635,228; July 12.
Sokolov, Jacob, Detroit, Mich. Spare-wheel lock. 1,635,229; July 12.
Sommer, William R., R. Ree, and C. Kerkhof, assignors to Jiffy Wire Connector Company, Hackensack, N. J. Wire connecter. 1,635,293; July 12.
Sowell, Douglas C., Baltimore, Md. Liquid-battery filling device. 1,635,444; July 12.
Sparks, William A., Edmonton, Alberta, Canada. Fresh-air heater. 1,635,729; July 12.
Sperry, Herbert B., Chicago, Ill., assignor to Appleton Manufacturing Company. Tongue-supporting truck. 1,635,803; July 12.
Spicer, Charles R., Hastings, Nebr. 1,635,230; July 12.
Spletter, Ervin E., Montevideo, Minn. Oil burner. 1,635,445; July 12.
Spurgeon, Glenn, Hillsburg, Ind. Storage-battery terminal connection. 1,635,351; July 12.
Stahl, Karl, and K. Siller, assignors to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas valve for airships. 1,635,195; July 12.
Standard Cap & Seal Corporation. (See Tevander, Olof N., assignor.)
Standard Machine Company. (See Bergsten, John, assignor.)
Stanton, Harmon G., Grand Rapids, Mich. Propeller. 1,635,966; July 12.
Starke, Otto R., assignor to The Ferdinand Strauss Corporation, New York, N. Y. Tail-waging toy. 1,635,770; July 12.
Starrett, Wendelin D., Oakland, Calif. Slope-stake calculator. 1,635,646; July 12.
Stassart, Joseph D., Berkeley, assignor of one-fourth to W. A. Harter, San Francisco, Calif. Direction indicator for motor trucks and the like. 1,635,587; July 12.
Steere, Samuel A., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Cord tire fabric. 1,635,196; July 12.
Stern, Sidney J., Chicago, Ill. Book puller. 1,635,864; July 12.
Stertzbach, Harry W. (See Johnson, G. T., and Stertzbach.)
Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for covering tire beads. 1,635,647; July 12.
Stewart, David. (See Rummer, John C., assignor.)
Stewart, James A., assignor to American Can Company, New York, N. Y. Can. 1,635,509; July 12.
Stewart-Warner Speedometer Corporation. (See Schweisthal, Fred G., assignor.)
Stimpson, Edwin B., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Rivet-setting machine. 1,635,865; July 12.
Stimpson, Edwin B., Company. (See Stimpson, Edwin B., assignor.)
Stone, Fred, Rosalia, Wash. Combination cigarette or cigar and match. 1,635,967; July 12.
Strauss, Ferdinand, Corporation, The. (See Starke, Otto R., assignor.)
Strobl, Charles, Appleton, Wis. Tool. 1,635,968; July 12.
Stromberg Motor Devices Company. (See Mock, F. C., Gustafson, and Chandler, assignors.)
Stuart, Joseph, assignor to Lobdell Car Wheel Company, Wilmington, Del. Calipers. 1,635,908; July 12.
Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)
Studebaker Corporation, The. (See Davenport, George R., assignor.)
Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See London, Jacob M., assignor.)
Summers, Caleb E., assignor to General Motors Research Corporation, Dayton, Ohio. Indicator. 1,635,232; July 12.
Sunderlin, Frank R., assignor to Central Advertising Specialty Company, Terre Haute, Ind. Thermometer tube. 1,635,771; July 12.
Sun-Ray Lighting Products, Inc. (See Amdur, Noah W., assignor.)
Svensson, Carl A., and T. Collin, Falun, Sweden. Bogie for railway cars and the like. 1,635,694; July 12.
Svensson, Carl A., and T. Collin, Falun, Sweden. Bogie for railway cars and the like. 1,635,695; July 12.
Svensson, Karl J., Lidingo Villastad, and K. A. P. Norling, Sodertorns Villastad, Sweden. Apparatus for lifting out and cleaning centrifugal drums. 1,635,233; July 12.
Swain, Britton W. (See Delfeld, G. J., and Swain.)
Sykes, Thomas A. (See Obiols, Frank, assignor.)
T. R. Geigy A. G. (See Lüttin, Karl, assignor.)
Taplin, George C., Boston, Mass. Operating table. 1,635,588; July 12.
Tar & Petroleum Process Company. (See Knowles, A. S., and McIntire, assignors.)
Tarbox, John P., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Latch mechanism. 1,635,589; July 12.
Tave, Samuel. (See Furst, E., and Tave.)
Taylor, Hulsey W., Warren, Ohio. Drinking fountain. 1,635,446; July 12.
Taylor, Herbert E. (See Highfield, F. W., and Taylor.)
Taylor Instrument Companies. (See Amdursky, Samuel S., assignor.)
Taylor, Irving A., assignor to Riley Stoker Corporation, Worcester, Mass. Fuel-feeding mechanism for underfeed stokers. 1,635,234; July 12.
Templer, John F. H., Ealing, London, England. Trawling gear. 1,635,294; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle closure and producing the same. 1,635,510; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle closure and producing the same. 1,635,511; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle closure and producing the same. 1,635,512; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Bottle closure and producing the same. 1,635,513; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Closure-applying machine. 1,635,514; July 12.
Tevander, Olof N., assignor to Standard Cap & Seal Corporation, Chicago, Ill. Closure-applying machine. 1,635,515; July 12.
Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Morgan, J. S., and Rider, assignors.)
Thomas, Adolph A., New York, N. Y. Electric sound reproducer. 1,635,390; July 12.
Thompson Bros. Shoe Co. (See Macdonald, L. S., and Small, assignors.)
Thomson, McLeod, Chelsea, N. J., assignor to The Rail Joint Company, New York, N. Y. Construction for head-free rail joints. 1,635,648; July 12.
Thornton, John E., London, England. Cinematograph film material. 1,635,516; July 12.
Tibbles, Worley A., et al. (See Hudson, A. D., and Smith, assignors.)
Tilling-Stevens Motors Limited. (See Whitehorn, Harold K., assignor.)
Tilmanns, Carl W., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Can opener. 1,635,649; July 12.
Timpson, Lewis G. M. (See Ferguson, G. E., and Timpson.)
Tobeler, Max E., Detroit, Mich. Removable punch. 1,635,909; July 12.
Tober, Carl, Berlin-Karlshorst, Germany. Braiding machine. 1,635,235; July 12.
Toledo Pipe Threading & Machine Co., The. (See Vosper, William W., assignor.)
Tolson, Robert L., deceased; J. W. Farley, administrator, Memphis, Tenn., assignor to J. W. Farley, trustee, Memphis, Tenn. Four-wheel-drive transmission for tractors. 1,635,236; July 12.
Townsend, Harry E., Brooklyn, N. Y. Sealing machine. 1,635,237; July 12.

Townsend, James S., Sacaton, Ariz., and W. B. Camp, Shafter, Calif., dedicated, by mesne assignments, to the citizens of the United States. Attachment for cotton planters. 1,635,866; July 12.
Townsend, John R., South Bend, Ind., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mine-locomotive headlight. 1,635,564; July 12.
Tracy, Michael J., St. Louis, Mo. Communication device. 1,635,650; July 12.
Traffic Control, Inc. (See Schulz, P. H., and Jessen, assignors.)
Travis, Bertram C., Los Angeles, Calif. Pipe-perforating machine. 1,635,590; July 12.
Trico Products Corporation. (See Folberth, Fred G., assignor.)
Trojan Powder Company. (See Nellis, Edwin L., assignor.)
Tromanhauser, Jesse H., Toronto, Ontario, Canada. Locating, placing, and leveling berth seats for concrete cribs. 1,635,730; July 12.
Trumpler, William E., Wilkinsburg, and C. R. Soderberg, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company. Flexible coupling. 1,635,565; July 12.
Tucker, James H., Petersburg, Va. Car truck. 1,635,910; July 12.
Tufts, Lesley R., Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper deflector. 1,635,197; July 12.
Tully, George L., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,635,867; July 12.
Turner, Giles M., Milwaukee, Wis. Truck. 1,635,198; July 12.
Tyden, Emil, Hastings, Mich. Dry-pipe-valve accelerating device. Re16,678; July 12.
Tyden, Emil, Evanston, Ill. Valve device. 1,635,295; July 12.
Tyler, Russell P., San Francisco, Calif. Automobile headlight. 1,635,517; July 12.
Udale, Stanley M. (See Anderson, R. M., and Udale.)
Underwood Typewriter Company. (See Lindburg, Joseph, assignor.)
Union Simplex Train Control Co. (See Miller, Monroe E., assignor.)
Union Special Machine Company. (See Ericsson, Arvid, assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
United Shoe Machinery Corporation. (See Lovell, Stanley P., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United States Gauge Company. (See Manuel, C. J., and Lentz, assignors.)
United Steel Block Corporation. (See Dickinson, Walter H., assignor.)
Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)
Universal Electric Stage Lighting Company. (See Linnebach, Adolph.)
Universal Optical Corporation. (See Beattey, Earley, J. R., assignor.)
Universal Winding Company. (See Anderson, Johan A., assignor.)
Upham, Preston, Brookline, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Leaf-spring-lubricating device. 1,635,696; July 12.
Valentine, Charles W., assignor to the Bagley and Sewall Company, Watertown, N. Y. Apron board for paper-making machines. 1,635,772; July 12.
Valiquette, Joseph H., Springfield, Mass. Electric heater for fluids. 1,635,591; July 12.
Vegkley, Albert H., Forest Hills, Mass. Combination display stand and carrying tray for articles of silver and the like. 1,635,911; July 12.
Vickers, George H. (See Goodnow, W. F., and Vickers.)
Victorsohn, Morris, Brooklyn, assignor to Victorson Manufacturing Corporation, New York, N. Y. Closure check and adjuster. 1,635,566; July 12.
Victorson Manufacturing Corporation. (See Victorsohn, Morris, assignor.)
Vinton, Lindley, et al. (See Dieterich, Ludwig M., assignor.)
Vogtlandische-Maschinenfabrik (vorm. J. C. & H. Dietrich) A.-G. (See Wohlrabe, Otto, assignor.)
Voices Incorporated. (See Konoff, Alexander, assignor.)
Von Doemming, Hugo, Hildesheim, Germany. Change-speed gear for automobiles and the like. 1,635,296; July 12.
Vosper, William W., assignor to The Toledo Pipe Threading & Machine Co., Toledo, Ohio. Cutting-tool mounting and controller. 1,635,447; July 12.
Wadsworth, Frank L. O., Pittsburgh, Pa. Rotary drilling tool. 1,635,592; July 12.
Wadsworth, Frank L. O., Pittsburgh, Pa. Lubrication of rotary mechanism. 1,635,593; July 12.
Wadsworth Mounting Co. Inc. (See Wadsworth, Wesley L., assignor.)
Wadsworth, Wesley L., Brooklyn, assignor to Wadsworth Mounting Co. Inc., New York, N. Y. Folding screen. 1,635,199; July 12.
Wagner, A. L., Mfg. Co. Inc. (See Schattman, Harry, assignor.)
Wagner, Aurea D., Atlantic City, N. J. Signal. 1,635,912; July 12.
Wagner, Hermann, Soden-on-the-Taunus, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Azo dye and producing same. 1,635,594; July 12.
Walden-Worcester, Inc. (See Critchley, James V., assignor.)
Walker, George W. (See Dhume, Ross and R., assignors.)
Wallin, Gustaf A., Brooklyn, N. Y., assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,635,868; July 12.
Walters, Albert F., Syracuse, N. Y. Lock hinge for doors and other movable elements. Re16,671; July 12.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waters, Henry B., Ann Arbor, Mich. Vehicle signal. 1,635,651; July 12.
Watson, John W., Wayne, Pa. Motion-controlling mechanism. 1,635,913; July 12.
Wattle, William M., Worcester, Mass. Mat and making the same. 1,635,731; July 12.
Webb, Jean F., jr., New York, N. Y. Acknowledgment valve. 1,635,804; July 12.
Webber, Lane D., et al. (See Young, John S., assignor.)
Weber, Henry C. P., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Nonflammable varnish. 1,635,567; July 12.
Weide, Rudolf, assignor to the Firm Hermann Hurwitz and Co., Berlin, Germany. Transfer-printing apparatus. 1,635,297; July 12.
Weightograph Company, The. (See Shively, Louis S., assignor.)
Weis, John A., San Luis Obispo, Calif. Crutch. 1,635,914; July 12.
Weisz, Dezső, New York, N. Y. Air cooling or heating apparatus. 1,635,869; July 12.
Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Artificial bait. 1,635,518; July 12.
Wells, Frank E. (See Wells, Willet C. and F. E.)
Wells, Willet C. and F. E., Columbus, Ohio. Process of and apparatus for breaking up the components of petroleum and the like into more volatile products. 1,635,519; July 12.
Wempe, Friedrich. (See Hartmann, O. H., and Wempe.)
Westco-Chippewa Pump Company. (See Holmes, Robert E. L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aiken, Joseph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Carey, Charles E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nyman, Alexander, assignor.)
Westinghouse Electric & Manufacturing Company. (See Townsend, John R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trumpler, W. E., and Soderberg, assignors.)
Westinghouse Electric & Manufacturing Company. (See Weber, Henry C. P., assignor.)
Weston, Edward F., and G. Carpenter, Newark, assignors to Weston Electrical Instrument Corporation, Waverly Park, Newark, N. J. Electrical measuring instrument. 1,635,595; July 12.
Weston Electrical Instrument Corporation. (See Weston, E. F., and Carpenter, assignors.)
Wetherbee, Herbert E., et al. (See Wetherbee, H. E., and Jacobus, assignors.)
Wetherbee, Herbert E., Cleveland, Ohio, and W. L. Jacobus, Wilkes-Barre, Pa., assignors of one-third to R. F. Grant, one-third to H. M. Hanna, and one-third to H. E. Wetherbee, Cleveland, Ohio. Treating artificial fuels. 1,635,520; July 12.
White, Rollin H., Cleveland Heights, Ohio. Rubber tread attachment for track links. 1,635,596; July 12.
White, Rollin H., Cleveland Heights, Ohio. Grouter attachment for track belt links. 1,635,597; July 12.
White, Virgil D., West Ossipee, assignor to Snowmobile Company, Rochester, N. H. Vehicle propelling mechanism. 1,635,870; July 12.
White, Wilfred J., Detroit, Mich. Traffic-warning device. 1,635,915; July 12.
Whitehorn, Harold K., Maidstone, assignor to Tilling Stevens Motors Limited, Maidstone, Kent, England. Electric vehicle transmission. 1,635,598; July 12.
Whittier, Horace R., Plymouth, Conn. Oven thermometer. 1,635,652; July 12.
Wicks, John, Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Telephone system. 1,635,805; July 12.
Wilborn, J. C., et al. (See Neil, Joseph B., assignor.)
Wilcox, Frances W. (See Wilcox, Lewis T. and F. W.)
Wilcox, Lewis T. and F. W.; said L. T. Wilcox assignor to Wilcox Patents Corporation, Peekskill, N. Y. Shirt. 1,635,773; July 12.
Wilcox Patents Corporation. (See Wilcox, Lewis T. and F. W., assignors.)

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Nut machine. 1,635,238; July 12.
Willette, Hazel C., Rhinelander, Wis. Stocking protector. 1,635,298; July 12.
Williams, Benjamin M., Philadelphia, Pa. Hat cover and carrier therefor. 1,635,916; July 12.
Williams, Harry M., Dayton, Ohio, assignor to General Motors Research Corporation. Making lead-copper particles. 1,635,653; July 12.
Williams, John E., Longworth, Tex. Cotton blocker. 1,635,521; July 12.
Williams, Robert C., San Francisco, Calif. Guide for straightedges. 1,635,352; July 12.
Williams, Thomas C., East Bakersfield, Calif. Sash lifter and latch. 1,635,448; July 12.
Wilson, Edward, assignor to National Pump and Compressor Company, St. Louis, Mo. Fluid compressor. 1,635,522; July 12.
Wilson, Edward, assignor to The National Pump & Compressor Company, St. Louis, Mo. Compressor. 1,635,523; July 12.
Wilson, Josiah C., Richmond, Va. Eaves-trough hanger. 1,635,871; July 12.
Wilson, Thomas H., Brawley, Calif. Plant protector. 1,635,449; July 12.
Winkler, John F., Painesville, Ohio, assignor to The Wooster Rubber Company. Inflatable toy. 1,635,969; July 12.
Wiremold Company, The. (See Frederickson, Otto A., assignor.)
Wisniewski, Vincent, Berlin, Germany. Electric motor. 1,635,872; July 12.
Witt, John J., assignor to Goodspeed Machine Company, Winchendon, Mass. Molding cutter. 1,635,732; July 12.
Wohlrabe, Otto, assignor to the Firm, Vogtlandische-Maschinenfabrik (vorm. J. C. & H. Dietrich), A.-G., Plauen, Germany. Multicolor rotary offset-printing press. 1,635,299; July 12.
Wollner, Herbert J. (See Alter, H. A., Wollner, and Schwartzman.)
Wood, George B., assignor to Rockland & Rockport Lime Corporation, Rockland, Me. Method of and product for making plaster. 1,635,391; July 12.
Woodard, William E., Forest Hills, N. Y. Locomotive ash pan. 1,635,239; July 12.
Woodman, Walter F. (See Perry, L. H., and Woodman.)
Woodrow, Oliver B., Newton, Iowa. Driving mechanism for washing machines. 1,635,450; July 12.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,635,873; July 12.
Wooster Rubber Company. (See Winkler, John F., assignor.)
Wright, Frederick M., St. Louis, Mo. Massage device. 1,635,917; July 12.
Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Brake mechanism for railway cars. 1,635,654; July 12.
Wyman, George R., assignor to Bird & Son, Incorporated, Walpole, Mass. Shingle and laying the same. 1,635,733; July 12.
Wynkoop, Roy A., Detroit, Mich. Combination cut-off scriber and bevel square. 1,635,874; July 12.
Yates, De Witt E., assignor to American Steam Pump Company, Battle Creek, Mich. Convertible stage centrifugal pump. 1,635,655; July 12.
Young, John S., assignor of one-fourth to Maude L. Young and one-half to L. D. Webber, San Diego, Calif. Folding bed. 1,635,806; July 12.
Young, Maude L., et al. (See Young, John S., assignor.)
Young, Walter H. (See Eckland, E. O., and Young.)
Ziegler, George W., Long Beach, Calif. Educational game. 1,635,734; July 12.
Ziegler, George W., Long Beach, Calif. Educational game. 1,635,735; July 12.
Zilliox, John, assignor to Park Metalware Co. Inc., Orchard Park, N. Y. Wire connecter. 1,635,200; July 12.
Zimmer, Albert E. (See Campbell, A., and Zimmer.)
Zsoldos, Julius, Brooklyn, N. Y., assignor, by mesne assignments, to Automat Equipment Corporation. Vending machine. 1,635,451; July 12.
Zsoldos, Julius, Brooklyn, N. Y., assignment, by mesne assignments, to Automat Equipment Corporation. Vending machine. 1,635,452; July 12.
Zwiebel, Carl. (See Jones, R. G., and Zwiebel.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrasive article and manufacturing the same. L. H. Milligan and C. H. Quick. 1,635,981; July 12.
Acid, Manufacture of nitric. E. L. Nellis. 1,635,949; July 12.
Adding machine. F. C. Rinsche. 1,635,691; July 12.
Advertising stand. R. W. Anderson. 1,635,394; July 12.
Aeroplane. H. J. Nelson. 1,635,897; July 12.
Agricultural implement. W. J. Engle. 1,635,826; July 12.
Agricultural implement. A. T. Peterson. 1,635,499; July 12.
Agricultural machine. A. Dick and J. A. Dirschauer. 1,635,612; July 12.
Agricultural machine. J. A. Eller. 1,635,206; July 12.
Air cooling or heating apparatus. D. Weisz. 1,635,869; July 12.
Aircraft, Laterally-controlling. F. H. Page. 1,635,687; July 12.
Air hose, Reenforced. A. S. Richardson. 1,635,957; July 12.
Airplane engine throttle, Altitude control for. F. C. Mock, C. J. Gustafson, and M. E. Chandler. 1,635,492; July 12.
Airships, Gas valve for. K. Stahl and K. Siller. 1,635,195; July 12.
Amusement device. T. J. Free. 1,635,931; July 12.
Amusement device. K. A. Mathers. 1,635,375; July 12.
Annular rings, Apparatus for covering. H. V. Lough and G. B. Mix. 1,635,187; July 12.
Applicator. F. C. Dorment. 1,635,176; July 12.
Armature-winding machine. R. G. Jones and C. Zwiebel. 1,635,677; July 12.
Art subjects, Reproducing pictures of. G. E. Buzza. 1,635,173; July 12.
Ash receiver. C. J. Boe. 1,635,395; July 12.
Automobile accelerators, Footrest for. E. L. Gibson. 1,635,473; July 12.
Automobile attachment. J. Bouck. 1,635,814; July 12.
Automobile heaters, Casing for. T. Bovey. 1,635,701; July 12.
Automobile hoods, Rain guard for. M. P. Fishburn. 1,635,746; July 12.
Automobile levers, Wind guard for. U. S. Klotz. 1,635,329; July 12.
Automobile wheel. S. Kaplan. 1,635,325; July 12.
Automobiles and the like, Front-wheel brake for. H. S. Cassel. 1,635,708; July 12.
Automobiles, Mud puller for. G. W. Smith. 1,635,645; July 12.
Awning. M. Bretos y Claveria. 1,635,608; July 12.
Axle assembly, Front-. E. R. Carey. 1,635,706; July 12.
Bait, Artificial. J. T. Welch. 1,635,518; July 12.
Ball joint. A. Y. Dodge. 1,635,468; July 12.
Bank, Coin. J. Habart. 1,635,664; July 12.
Bar and shelf bracket. R. E. Jordan. Des. 73,038; July 12.
Battery-filling device, Liquid. D. C. Sowell. 1,635,444; July 12.
Bed, Folding. J. S. Young. 1,635,806; July 12.
Belt, Endless cone. G. B. and E. G. Handley. 1,635,363; July 12.
Belt joint. E. G. Kimmich. 1,635,185; July 12.
Bench: *See*—
Tub bench.
Benzoxazolon arsine oxides. L. Benda and O. Sievers. 1,635,167; July 12.
Benzoxazolon arsonic acids. L. Benda. 1,635,168; July 12.
Beverage cooler and dispenser, Combined. M. A. Powers. Des. 73,048; July 12.
Bicycle. M. E. Roe. Des. 73,049; July 12.
Bicycle wheel. M. Isguerra. 1,635,840; July 12.
Biscuit, Milk sugar. B. Dass. 1,635,972; July 12.
Block: *See*—
Cornice block. Logging block.
Board: *See*—
Diving board. Wall board.
Boat. W. Miller. 1,635,854; July 12.
Boiler stand. S. E. Hopper. 1,635,415; July 12.
Bolter. M. C. Carlson. 1,635,925; July 12.
Book, Display. S. G. Johnson. 1,635,420–1; July 12.
Book or pamphlet trimming device. C. Adamsky. 1,635,165; July 12.
Book puller. S. J. Stern. 1,635,864; July 12.
Boot. C. B. Lord. Des. 73,044; July 12.
Boring and drilling machines, etc., Control and feed for. W. P. Hunt. 1,635,848; July 12.

Bottle. I. J. Blake and H. H. Hart. 1,635,811; July 12.
Bottle-cap machine. A. C. Artz. 1,635,454; July 12.
Bottle closure and producing the same. O. N. Tevander. 1,635,510–13; July 12.
Bottle supporting and locking device, Milk-. J. Rogginger. 1,635,346; July 12.
Bottles, Holder for nursing. B. Hyman. 1,635,789; July 12.
Bowling alley. J. Griffith. 1,635,784; July 12.
Bowling pin. G. P. Geiser. 1,635,472; July 12.
Box: *See*—
Flower box.
Box. L. H. Gebhart. 1,635,666; July 12.
Box-filling machine. J. C. Donnelly. 1,635,262; July 12.
Box-making machine. C. Burnham. 1,635,532; July 12.
Braiding machine. C. Tober. 1,635,235; July 12.
Brake: *See*—
Freight brake. Steering-gear brake.
Hydraulic brake.
Brake. P. Bastien. 1,635,571–2; July 12.
Brake adjuster, Automobile. R. C. Humphrey. 1,635,417; July 12.
Brake mechanism. F. W. Piché. 1,635,727; July 12.
Brake mechanism, Hydraulic. F. Krisch. 1,635,331; July 12.
Brake-setting device, Emergency. H. M. Eakin. 1,635,825; July 12.
Breathing apparatus, Protective cover for. A. B. Dräger. 1,635,545; July 12.
Broom. H. Cave. 1,635,971; July 12.
Brush. H. Cave. 1,635,970; July 12.
Brush-cutting and road-scraping machine, Combined. A. Fritsch. 1,635,211; July 12.
Brush for electrical apparatus, Self-lubricating. C. E. Chapin. 1,635,257; July 12.
Brushes and the like, Composition for cleaning. F. C. Bray. 1,635,202; July 12.
Bubble-absorption tower. H. E. Shay. 1,635,440; July 12.
Building construction. W. S. St. John. 1,635,231; July 12.
Building material. L. Isaacs. 1,635,676; July 12.
Bumper, Automobile. M. N. Hurley. 1,635,418; July 12.
Burner: *See*—
Liquid-fuel burner. Torch burner.
Oil burner.
Burners, Automatic control system for. O. F. Carlson. 1,635,809; July 12.
Butt gauge. I. Johnson. 1,635,752; July 12.
Button. W. T. Abel. 1,635,774; July 12.
Button fastener. A. L. Gross. 1,635,785; July 12.
Cable guide. J. A. Le Blanc. 1,635,944; July 12.
Cables loaded with alloys of high-magnetic permeability, Manufacture of. W. S. Smith and H. J. Garnett. 1,635,443; July 12.
Calculator, Slope-stake. W. D. Starrett. 1,635,646; July 12.
Calendar, Perpetual. A. L. Curtis. 1,635,927; July 12.
Calipers. J. Stuart. 1,635,908; July 12.
Can: *See*—
Milk can.
Can. J. A. Stewart. 1,635,509; July 12.
Can covers, Machine for fastening keys to. W. F. Butler. 1,635,536; July 12.
Can opener. C. W. Tillmanns. 1,635,649; July 12.
Candy-forming machine. Z. M. Marr. 1,635,682; July 12.
Candy-making machine. R. S. Hislop. 1,635,713; July 12.
Car. T. de Roode. 1,635,467; July 12.
Car and the like, Hopper. A. Campbell. 1,635,251; July 12.
Car construction. A. Campbell. 1,635,254; July 12.
Car conveyer, Chain-rail. G. M. Johnson. 1,635,276; July 12.
Car-door-operating mechanism. G. B. Dorey. 1,635,177; July 12.
Car door, Sheet-metal. W. P. Murphy. 1,635,191; July 12.
Car, Dump. A. Campbell. 1,635,248; July 12.
Car, Dump. A. Campbell. 1,635,253; July 12.
Car, Railway. A. Campbell. 1,635,249; July 12.
Car, Railway. A. Campbell. 1,635,252; July 12.
Car side construction. A. Campbell. 1,635,250; July 12.
Car, Tank. P. Klemoff. 1,635,717; July 12.
Cars and the like, Bogie for railway. C. A. Svensson. 1,635,694–5; July 12.

Cars and the like, Dumping door for railway. A. Campbell. 1,635,255; July 12.
Cars and the like, Signal device for motor. D. McWilliam. 1,635,630; July 12.
Cars, Brake mechanism for railway. H. I. Wrigley. 1,635,654; July 12.
Cars or barns, Sliding door for. D. E. Conrad. 1,635,926; July 12.
Cars, Safety device for articulated. F. McF. Brinckerhoff. 1,635,246–7; July 12.
Carburetor. M. F. Purvey. 1,635,433; July 12.
Card-stripper system, Pneumatic. W. H. Goldsmith. 1,635,834; July 12.
Carrier: *See*—
Creel carrier.
Case: *See*—
Vanity case.
Casing heads, Blow-out-preventer attachment for. C. C. Hosmer. 1,635,749; July 12.
Castings such as ingot molds, Finishing. R. G. Coates. 1,635,660; July 12.
Cementation in the ground. H. E. Potts. 1,635,500; July 12.
Centrifugal drums, Apparatus for lifting out and cleaning. K. J. Svensson and K. A. P. Norling. 1,635,233; July 12.
Centrifugal regulator. L. A. Doignon. 1,635,314; July 12.
Chain, bracelet, or the like, Flexible. R. S. Grant. 1,635,269; July 12.
Chain guide. C. P. La Shelle and W. A. Behrens. 1,635,552; July 12.
Chain link. N. Perry. 1,635,385; July 12.
Chandelier. A. P. Seidell. Des. 73,057; July 12.
Check books, Stub holder for. F. Johnson. 1,635,625; July 12.
Chocolates, confectionery, and the like, Apparatus for decorating. F. J. Michallat. 1,635,190; July 12.
Chuck, Lathe. V. G. Jorner. 1,635,481; July 12.
Cigarette holders, Attachment for. W. A. Pervier. 1,635,432; July 12.
Cigarette or cigar and match, Combination. F. Stone. 1,635,967; July 12.
Cinematograph film material. J. E. Thornton. 1,635,516; July 12.
Circuit breaker. L. N. Crichton. 1,635,544; July 12.
Clamp: *See*—
Hose clamp.
Clamping ring. J. Rogginger. 1,635,347; July 12.
Clasp: *See*—
Tie clasp.
Clasp. E. Pierson. 1,635,386; July 12.
Cleaner: *See*—
er. Suction cleaner.
Furnace-radiator-flue clean- Vacuum cleaner.
Oil-tank cleaner.
Cleaning composition and making same. B. Bailey. 1,635,244; July 12.
Closed-body ventilator. J. M. Crawford. 1,635,609; July 12.
Closure-applying machine. O. N. Tevander. 1,635,514–15; July 12.
Closure check and adjuster. M. Victorsohn. 1,635,566; July 12.
Clothesline holder. C. L. Kubista. 1,635,850; July 12.
Clothes pegs of wire, Manufacturing. W. Happel. 1,635,619; July 12.
Clothespin. C. Gerbaczewski. 1,635,833; July 12.
Cluster construction. C. Hanson. 1,635,688; July 12.
Clutch, Air-cooled. J. H. Alley. 1,635,353; July 12.
Clutch lock, Automobile. F. A. Mirande. 1,635,797; July 12.
Clutches. Control element for. C. Andrade, jr. 1,635,599; July 12.
Coal, Distilling. R. G. Griswold. 1,635,667; July 12.
Coating for covered conductors and applying the same, Protecting. O. A. Frederickson. 1,635,829; July 12.
Coiled material, Heating. A. S. Holmes. 1,635,715; July 12.
Condensation product and making same, Water-soluble. K. Dalmler, F. Marschall, and G. Balle. 1,635,883; July 12.
Condenser. R. E. Marbury. 1,635,556; July 12.
Condenser and cooler. H. F. Hollister. 1,635,549; July 12.
Communication device. M. J. Tracy. 1,635,650; July 12.
Commutator. E. Gratton. 1,635,886; July 12.
Composite structure. F. G. Okie. 1,635,800–1; July 12.
Composition. M. P. Iding. 1,635,675; July 12.
Compressor. E. Wilson. 1,635,523; July 12.
Compressor apparatus. K. Frey. 1,635,518; July 12.
Compressor, Fluid. E. Wilson. 1,635,522; July 12.
Compressors, Cooling. B. S. Aikman. 1,635,524; July 12.
Concrete cribs, Apparatus for locating, placing, and leveling berth seats for. J. H. Tromanhauser. 1,635,730; July 12.
Concrete forms, Form tie for. H. O. McMillan. 1,635,428; July 12.
Concrete, Reenforcing bar for. C. S. Boardman. 1,635,658; July 12.
Concrete tie. J. S. Brown. 1,635,816; July 12.
Container for hams and the like. D. S. Ralston. 1,635,688; July 12.
Containers, Process of and machine for making. A. Schroeder. 1,635,506; July 12.

Conveyer. J. W. Greer. 1,635,406; July 12.
Cooker, Pressure. S. S. Graves. 1,635,476; July 12.
Cooking utensil. E. P. McClure. 1,635,189; July 12.
Cookstove, Camp. A. C. Sladky and J. Sladky. 1,635,643; July 12.
Cooling system. W. W. Muir. Re16,676; July 12.
Cord-circuit repeater. S. P. Shackleton and L. L. Glezen. 1,635,227; July 12.
Cord-tire fabric. S. A. Steere. 1,635,196; July 12.
Corn-husking machine. H. F. Freise. 1,635,400; July 12.
Cornice block. J. Lynch. 1,635,893; July 12.
Cotton blocker. J. E. Williams. 1,635,521; July 12.
Cotton-picking machine. J. B. Neil. 1,635,725; July 12.
Coupler, Automatic air-break. M. W. Dreibelbis. 1,635,782; July 12.
Coupling: *See*—
Flexible coupling. Train-pipe coupling.
Crank-case repair arm. H. Y. Hooper. 1,635,847; July 12.
Creel carrier. W. R. Davis. 1,635,928; July 12.
Crushing and sifting device, Pneumatically-fed. E. Barthelmess. 1,635,527; July 12.
Crutch. J. A. Wels. 1,635,914; July 12.
Cultivator, Three-wheel riding. K. B. Rubins. 1,635,560; July 12.
Cultivators, Break-pin device for. C. G. Sigurd. 1,635,442; July 12.
Cup or similar article. S. W. Farber. Des. 73,029; July 12.
Current system, Remote-control carrier. E. F. Carter. 1,635,779; July 12.
Cutter: *See*—
Molding cutter.
Cutting compound distribution system. E. P. Bullard, jr. 1,635,702; July 12.
Cutting machine. W. H. Albee. 1,635,166; July 12.
Cutting machine, Bias-. J. W. Brundage. 1,635,531; July 12.
Cylinder, Washing-machine. W. K. Howe. 1,635,578; July 12.
Deflector, Paper. L. R. Tufts. 1,635,197; July 12.
Denatured ethyl-alcohol composition. E. B. Putt. 1,635,635; July 12.
Dental machinery. C. A. Priest. 1,635,766; July 12.
Device for correcting respiration. K. Härtl. 1,635,272; July 12.
Diagnostic instrument. H. L. De Zeng. 1,635,822; July 12.
Dilutometer. C. M. Larson and C. L. Knopf. 1,635,553; July 12.
Dish and cover, Combination. A. L. Alaj. 1,635,918; July 12.
Display device for slippers. S. Horowitz. 1,635,673; July 12.
Display rack. C. Bell and M. S. Kessler. 1,635,201; July 12.
Display stand and carrying tray for articles of silver and the like, Combination. A. H. Vegkley. 1,635,911; July 12.
Diving board. W. S. Brown. 1,635,204; July 12.
Doorlock. W. H. Hoffmann. 1,635,714; July 12.
Door-operating mechanism. F. R. Lemon. 1,635,758; July 12.
Door, Wooden panel. J. C. De Penning. 1,635,466; July 12.
Doors and other movable elements, Lock hinge for. A. F. Walters. Re16,671; July 12.
Doors, Auxiliary fastener for. P. Belvin. 1635,920; July 12.
Down indicator. J. J. Lipp. 1,635,719; July 12.
Drafting ellipsograph. D. Grieve. 1,635,270; July 12.
Drill: *See*—
Ratchet drill.
Drill pipe, Collapsible. D. J. Scott. 1,635,289; July 12.
Drilling machine. G. H. Gilman. 1,635,475; July 12.
Drilling machine. G. H. Gilman. 1,635,984; July 12.
Drilling machine, Multiple-spindle. E. P. Bullard, jr. 1,635,703; July 12.
Drinking fountain. H. W. Taylor. 1,635,446; July 12.
Drying apparatus, Fur-. H. A. Alter, H. J. Wollner, and M. and B. Schwartzman. 1,635,876; July 12.
Dye and producing same, Azo. H. Wagner. 1,635,594; July 12.
Dye solution. K. Lüttin. 1,635,628; July 12.
Eaves-trough hanger. F. C. Richner. 1,635,690; July 12.
Eaves-trough hanger. J. C. Wilson. 1,635,871; July 12.
Eggs, Preserving. G. Hofmann. 1,635,843; July 12.
Electric current, Vibratory distributor of. E. S. Sandberg. 1,635,802; July 12.
Electric extension plugs, Attachment for an. E. T. Seasock. 1,635,507; July 12.
Electric fitting. M. Peterson and M. J. Danielson 1,635,903; July 12.
Electric motor. V. Wisniewski. 1,635,872; July 12.
Electric switch. J. W. Meadowcroft. 1,635,581; July 12.
Electrical conductors, Connecter for. C. H. Lundy. 1,635,760; July 12.
Electrical connecter. W. J. Gagnon. 1,635,830–32; July 12.
Electrical connecter and terminal clock. F. Diehl. 1,635,312; July 12.
Electrical measuring instrument. E. F. Weston and G. Carpenter. 1,635,595; July 12.
Electrical overloads, Indicating. J. Samper. 1,635,348; July 12.

Electrical resistance units, Manufacture of. L. L. Jones. 1,635,184; July 12.
Electrical vibrator. W. E. Gray. 1,635,405; July 12.
Electromagnetic apron feeder. J. P. Bethke. Re16,673; July 12.
Elevator. J. Bergsten. Re16,672; July 12.
Elevator. J. Darby. 1,635,264–5; July 12.
Elevators, Signaling system for. W. S. Smith. 1,635,586; July 12.
End gate. J. C. Poth. 1,635,005; July 12.
End gate and platform, Combined. J. H. Keesee. 1,635,422; July 12.
Engine: *See*—
Internal-combustion engine.
Engine crank casing, Oil-valve attachment for. C. S. Lutes. 1,635,219; July 12.
Engines, Bifuel system for gas. C. Cornwell. 1,635,460; July 12.
Engines, Cooling mechanism for internal-combustion. J. W. Hudson. 1,635,938; July 12.
Engines, Electrical testing apparatus for fluid pressure. F. W. Highfield and H. E. Taylor. 1,635,980; July 12.
Envelope. H. E. Kaplan. 1,635,278; July 12.
Eyeglass construction. E. D. Nerney. 1,635,799; July 12.
Eyeshield and face protector. E. E. Kintz. 1,635,328; July 12.
Fabric: *See*—
Cord-tire fabric.
Fabric-trimming apparatus. Z. Podhradsky. 1,635,343; July 12.
Fabrics, Apparatus for producing knotted-pile. F. H. Oldroyd. 1,635,632; July 12.
Fan. D. Rodgers. 1,635,768; July 12.
Fan, Automobile. C. F. Ebinger. 1,635,315; July 12.
Farrowing house, Folding. H. Knudsen. 1,635,942; July 12.
Fastener, Tool handle. P. E. Rowe. 1,635,961; July 12
Faucet. W. F. Albrecht. 1,635,875; July 12.
Feed mixer, Wet. G. F. Hinkley. 1,635,321; July 12.
Fence-tightening post. N. F. Howard. 1,635,416; July 12.
Fiber tubes, Machine for making. O. B. Brown and H. Parker. 1,635,458; July 12.
Figs, Method of and apparatus for canning. A. T. Gahan. 1,635,471; July 12.
File, Paper. E. C. Burdic. 1,635,310; July 12.
Filing device. E. L. Ouchie. 1,635,859; July 12.
Filling machine. K. Kiefer. 1,635,754; July 12.
Film, Antistatic photographic. J. Marette. 1,635,681; July 12.
Film rewinders, Automatic switch for. J. A. Hudson. 1,635,478; July 12.
Fire extinguisher. G. E. Ferguson and L. G. M. Timpson. 1,635,546; July 12.
Fire-fighting system. I. G. Forero. 1,635,180; July 12.
Fireplaces, Metal screen for. F. Bertram. 1,635,573; July 12.
Fishing reel. C. T. Pflueger. Des. 73,047; July 12.
Fishing reels, Line distributor for. H. W. Marcy. 1,635,629; July 12.
Fishing-tackle box and line winder and dryer, Combined. E. C. Mead. 1,635,378; July 12.
Flatiron receptacle, Front for an electrical-. P. C. Cunningham Des. 73,027; July 12.
Flexible coupling. H. Peigné. 1,635,496; July 12.
Flexible coupling. W. E. Trumpler and C. R. Soderberg. 1,635,565; July 12.
Floor-surfacing machine. O. B. Jacobson. 1,635,480; July 12.
Flow regulator. F. W. Hirst. 1,635,414; July 12.
Flower box. A. Brosnick. 1,635,203; July 12.
Fluid feeding and conducting means. E. O. Eckland and W. H. Young. 1,635,663; July 12.
Fluid meter. R. B. Ambrose and J. W. Patterson. 1,635,355; July 12.
Fluids, Method of and apparatus for measuring turbidities and color of. W. G. Exton. 1,635,470; July 12.
Fly hook. A. G. Sloan. 1,635,644; July 12.
Flying machine. J. F. Haussmann. 1,635,364; July 12.
Flying machine. E. G. Kinzie. 1,635,892; July 12.
Flytrap. E. M. Newcomer. 1,635,951; July 12.
Folding screen. W. L. Wadsworth. 1,635,190; July 12.
Folding table. W. J. King. 1,635,279; July 12.
Food product. E. G. Hess. 1,635,273; July 12.
Formation thief. L. H. Perry and W. F. Woodman 1,635,340; July 12.
Fountain: *See*—
Drinking fountain.
Frames, Stop motion for drawing. W. J. Scott 1,635,693; July 12.
Freight brake, Light and load. H. F. Bickel. 1,635,737; July 12.
Fresh-air heater. W. A. Sparks. 1,635,729; July 12.
Fruit and solution therefor, Treating. T. M. Cramer and G. A. Connell. 1,635,461; July 12.
Fuels, Treating artificial. H. E. Wetherbee and W. L. Jacobus. 1,635,520; July 12.
Fuels, Using low-compression. C. F. Kettering and T. Midgley, jr. 1,635,216; July 12.
Fur-pelt stretcher. M. W. Meek. 1,635,557; July 12.
Furnace-radiator-flue cleaner. E. W. Cleveland. 1,635,810; July 12.
Furnace wall, Ventilated. M. Liptak. 1,635,851; July 12.
Furnaces, Apparatus for reversing and controlling regenerative. G. H. Isley. 1,635,939; July 12.
Furnaces, Water-cooled roof for reverbearatory. M. Corcoran. 1,635,819; July 12.
Furniture for paper-box dies and type compositions. W. W. Shinnick. 1,635,964; July 12.
Game. M. J. McColm. 1,635,489; July 12.
Game board. H. Himmelman. Des. 73,033; July 12.
Game, Educational. G. W. Ziegler. 1,635,734–5; July 12.
Garment supporter. R. M. MacCormac. 1,635,424; July 12.
Garments and making it, Lined vent for unlined or partly-lined. R. A. Feiss. 1,635,178; July 12.
Gas, Apparatus for extracting. E. W. Hartman. 1,635,620; July 12.
Gasoline gauge. H. Mossbach. 1,635,382; July 12.
Gate: *See*—
End gate. Vehicle end gate.
Gate. E. E. Anson. 1,635,878; July 12.
Gauge: *See*—
Butt gauge. Gasoline gauge.
Gear apparatus, Draft-. S. Hansson. 1,635,409; July 12.
Gear, Change-speed. H. Austin. 1,635,526; July 12.
Gear, Engine-valve. J. B. Brown. 1,635,172; July 12.
Gear for automobiles and the like, Change speed. H. von Doemming. 1,635,296; July 12.
Gear, Raising and traversing. T. Hall. 1,635,617; July 12.
Gear, Trawling. J. F. H. Templer. 1,635,294; July 12.
Germinator, Seed. O. H. Pershing. 1,635,498; July 12.
Glassware, Making hollow. R. W. Canfield. 1,635,704; July 12.
Goblet or similar article. F. Schmidt. Des. 73,051–55; July 12.
Goggles. G. L. Tully. 1,635,867; July 12.
Golf ball. A. E. Penfold. Des. 73,046; July 12.
Golf tee. C. A. McIlvaine. 1,635,376; July 12.
Grate. J. E. Fulweiler. 1,635,932; July 12.
Grinding machine, Centerless. W. J. Peets. 1,635,339; July 12.
Grinding machine, Glass-. J. A. Milliken. 1,635,491; July 12.
Grinding mechanism. C. B. Keller. 1,635,792; July 12.
Grinding mill, Cane-. F. Farrel, jr. 1,635,263; July 12.
Grinding wheel. E. A. Chase. 1,635,607; July 12.
Guarded-opening screen. M. E. Layne. 1,635,368; July 12.
Guide for straightedges. R. C. Williams. 1,635,352; July 12.
Gun barrels and improvements in gun barrels, Renovation of worn. P. Malaval and R. P. E. Paqueller. 1,635,721; July 12.
Gun-sighting device. C. Otto. 1,635,763; July 12.
Guns, Fire-control system for. J. C. Karnes. 1,635,365; July 12.
Gutter, Scum. M. P. McArdle. 1,635,762; July 12.
Hair receiver, Barber's vacuum. W. Ellerhorst. 1,635,613; July 12.
Hair waving, Curling pin for permanent. F. R. Marcel. 1,635,426; July 12.
Hair-waving tube. F. R. Marcel. 1,635,425; July 12.
Hanger: *See*—
Eaves-trough hanger.
Hanger and support. F. Obiols. 1,635,900; July 12.
Harvester, Beet. J. Moreau. 1,635,494; July 12.
Hat. J. H. Bowditch. 1,635,456; July 12.
Hat cover and carrier therefor. B. M. Williams. 1,635,916; July 12.
Headlamp shield. S. F. Arbuckle. 1,635,879; July 12.
Headlight, Automobile. R. P. Tyler. 1,635,517; July 12.
Headlight, Dirigible. A. E. Amans. 1,635,393; July 12.
Headlight, Mine locomotive. J. R. Townsend. 1,635,564; July 12.
Heat-exchanging element. E. Haber. 1,635,838; July 12.
Heat indicator. H. H. Boyce. Des. 73,023; July 12.
Heater: *See*—
Fresh-air heater. Hot-water and steam heater.
Heater. W. F. Allen. Re16,677; July 12.
Heater. F. Rayman. 1,635,636; July 12.
Heater for fluids, Electric. J. H. Valiquette. 1,635,591; July 12.
Heaters, Overload relay for electric. L. P. Hynes. 1,635,674; July 12.
Heating apparatus. W. W. Miller. 1,635,379; July 12.
Hexamethylenetetramine, Manufacture of. C. B. Carter. 1,635,707; July 12.
Hinge. E. W. Cummings. 1,635,462; July 12.
Hinge, Vanity-case. W. G. Kendall. 1,635,941; July 12.
Hoist. C. C. Hansen. 1,635,887; July 12.
Hoist, Area way. C. K. Ernst. 1,635,709; July 12.
Holding and shipping insert. G. S. Murphy. 1,635,430; July 12.
Hook: *See*—
Fly hook. Pintle hook.
Hook. P. W. Jones. 1,635,277; July 12.
Hose clamp. H. W. Goodall. 1,635,783; July 12.
Hosiery, Manufacture of. E. A. Hirner. 1,635,712; July 12.
Hot-water and steam heater. W. F. Goodnow and G. H. Vickers. 1,635,404; July 12.
House: *See*—
Farrowing house.

Hub construction. C. Sauzedde. 1,635,504; July 12.
Hydraulic brake. D. Nettenstrom. 1,635,383; July 12.
Hygrometric apparatus. S. S. Amdursky. 1,635,697; July 12.
Ice cap. E. Schmid. 1,635,438; July 12.
Ice-cream cabinet. C. D. Ryder and C. F. Moores. 1,635,962; July 12.
Ice cycle. E. M. and S. B. Smith. 1,635,292; July 12.
Images, Method of and apparatus for projecting. A. Linnebach. 1,635,795; July 12.
Impaling trap. J. D. Jefferson. 1,635,890; July 12.
Incubator. A. Oller. 1,635,901; July 12.
Indicating device. P. G. MacGregor. 1,635,555; July 12.
Indicator: *See*—
Down indicator. Liquid-level indicator.
Indicator. C. E. Summers. 1,635,232; July 12.
Indicator device for instruments. G. Hutchinson. 1,635,479; July 12.
Inductance device. F. Conrad. 1,635,541; July 12.
Internal-combustion engine. E. R. Burtnett. 1,635,533–35; July 12.
Internal-combustion engine. A. Craigon. 1,635,742; July 12.
Internal-combustion engine. G. R. Davenport. 1,635,266; July 12.
Internal-combustion engine. A. Moorhouse. 1,635,855; July 12.
Iron, Manufacture of sponge. P. W. Nevill. 1,635,950; July 12.
Jack: *See*—
Pole-framing jack. Vehicle jack.
Jetty and unit therefor. C. L. Nohlen. 1,635,899; July 12.
Joint: *See*—
Ball joint. Universal joint.
Belt joint.
Knitting device. W. J. Gourie. 1,635,547; July 12.
Knives of razors, Manufacturing. E. Gerling. 1,635,614; July 12.
Label for livestock. M. W. Miller. 1,635,853; July 12.
Laboratories, Washing apparatus for. J. B. Parker. 1,635,633; July 12.
Ladles used in pouring molten metal, Nozzle for. J. K. Hassall and A. Harris. 1,635,839; July 12.
Lamp, Incandescent electric. J. A. Heany. 1,635,320; July 12.
Lamp socket and current tap, Combined. W. Ile. 1,635,889; July 12.
Lamp-socket casings, Cap and shell fastening for. W. Ile. 1,635,328; July 12.
Lamp socket, Electric-. P. E. Morrison. 1,635,686; July 12.
Lapping machine. A. Ericsson. 1,635,469; July 12.
Latch construction. J. Ledwinka. 1,635,757; July 12.
Latch mechanism. J. Ledwinka. 1,635,579–80; July 12.
Latch mechanism. J. P. Tarbox. 1,635,589; July 12.
Lead-copper particles, Making. H. M. Williams. 1,635,653; July 12.
Leer conveyer. K. E. Peiler. 1,635,861; July 12.
Leg holder. C. Rogers. 1,635,638; July 12.
Lens. E. K. Schadt. 1,635,225; July 12.
Lifeboat holding and launching mechanism. G. W. P. Overman. 1,635,860; July 12.
Light-ray-filtering screen. W. J. La Tourrette. 1,635,367; July 12.
Lighting-fixture canopy or analogous article. J. F. Hurd. Des. 73,037; July 12.
Lighting-fixture loop or analogous article. J. F. Hurd. Des. 73,034; July 12.
Lighting-fixture plate. J. Knieriem. Des. 73,040–2; July 12.
Lighting-fixture tassel or analogous article. J. F. Hurd. Des. 73,035; July 12.
Lighting fixtures, Backplate for. J. F. Hurd. Des. 73,036; July 12.
Lighting fixtures, Column for. H. Abrams. Des. 73,018–21; July 12.
Lighting system and apparatus therefor, Highway. R. de la Lama. 1,635,611; July 12.
Lime-sludge product and making the same. C. J. Herrly. 1,635,212; July 12.
Lingerie-fastening device. M. E. Mickleborough. 1,635,333; July 12.
Liquid-dispensing apparatus. G. W. MacKenzie. 1,635,720; July 12.
Liquid-dispensing device. E. Crouse. 1,635,260; July 12.
Liquid-distributing system, Plural. D. S. Morrow. 1,635,381; July 12.
Liquid-fuel burner. J. J. H. Pohl. 1,635,634; July 12.
Liquid-head-maintaining device. H. R. Corwin. 1,635,175; July 12.
Liquid-level indicator. L. A. Mapel. 1,635,374; July 12.
Lock: *See*—
Clutch lock. Wheel lock.
Tire lock.
Lock. A. W. Morris. 1,635,724; July 12.
Lock-controlled switch. H. Schwarze and F. M. Holden. 1,635,226; July 12.
Locking mechanism. A. Campbell and A. E. Zimmer. 1,635,398; July 12.
Locomotive ash pan. W. E. Woodard. 1,635,239; July 12.
Locomotive-control apparatus, Run-down and reset. M. E. Miller. 1,635,584; July 12.
Locomotive driving mechanism. J. L. Borski. 1,635,813; July 12.
Logging block. W. H. Dickinson. 1,635,781; July 12.
Looms, Automatic stop for double-pile-fabric. C. A. Bondziulis. 1,635,396; July 12.
Looms, Filling-feeler mechanism for. J. Northrop. 1,635,858; July 12.
Loud speaker. J. W. Gosling. Des. 73,030; July 12.
Lubricating device. H. Sanford. 1,635,563; July 12.
Lubricating device, Leaf-spring-. P. Upham. 1,635,696; July 12.
Lubricating devices, Coupling member for. A. Levenson. 1,635,371; July 12.
Lubricator: *See*—
Spring lubricator.
Lubricator. R. L. Black. 1,635,602–3; July 12.
Lubricator. W. G. Coles. 1,635,540; July 12.
Lumber, Treatment of. W. C. Gardiner. 1,635,665; July 12.
Machine for issuing paper and printed matter in booklet, card, ticket, or other form. J. S. Bernstein and L. Hulbert. 1,635,171; July 12.
Manganese steel to carbon steel, Welding. F. H. Kirchman. 1,635,217; July 12.
Marceling device, Hair-. F. M. McMaster. 1,635,683; July 12.
Massage device. T. A. Buckley. 1,635,924; July 12.
Massage device. F. M. Wright. 1,635,917; July 12.
Massage device, Facial. W. Duncan. 1,635,744; July 12.
Massaging apparatus. M. Rüttger-Pelli. 1,635,497; July 12.
Mat and making the same. W. M. Wattle. 1,635,731; July 12.
Meats, Curing. J. Alsberg. 1,635,301; July 12.
Mechanical movement. A. D. Hudson and E. L. Smith. 1,635,182; July 12.
Mechanically-packed packer. I. C. Bell. Re16,670; July 12.
Merry-go-round. J. R. Pullen and W. L. Fiene. 1,635,387; July 12.
Metal, Manufacture of expanded. J. H. Dean. 1,635,662; July 12.
Metals, Working refractory. F. Koref and K. Moers. 1,635,793; July 12.
Meter: *See*—
Fluid meter.
Milk can. M. Isaacs. 1,635,419; July 12.
Mill: *See*—
Grinding mill.
Mine cages, Car-chocking means for. S. J. Reap. 1,635,956; July 12.
Mining apparatus. M. P. Holmes. 1,635,623; July 12.
Mining machine. F. Cartlidge. 1,635,780; July 12.
Mining machine. J. M. London. 1,635,488; July 12.
Mixer: *See*—
Feed mixer.
Mold: *See*—
Pencil mold.
Molding apparatus. H. S. Lee. 1,635,369; July 12.
Molding cutter. J. J. Witt. 1,635,732; July 12.
Molds, Hopper for. J. J. Hoffmann. 1,635,844; July 12.
Molds with carbon, Apparatus and method of coating. H. S. Lee. 1,635,370; July 12.
Mop holder. N. Hill. 1,635,973; July 12.
Mop machine. J. C. and C. M. Huguley. 1,635,322; July 12.
Mortising machine. I. Miller. 1,635,723; July 12.
Motion-controlling mechanism. J. W. Watson. 1,635,913; July 12.
Motor: *See*—
Electric motor. Windshield-cleaner motor.
Solenoid motor.
Motor suspension, Yielding. F. M. Holden. 1,635,213; July 12.
Musical instruments, Key-valve pad for. P. Arthur. 1,635,775; July 12.
Numbering machine. J. H. Reinhardt. 1,635,503; July 12.
Nut-locking device. L. M. Dieterich. 1,635,313; July 12.
Nut machine. R. L. Wilcox. 1,635,238; July 12.
Oil burner. G. J. Delfeld and B. W. Swain. 1,635,464; July 12.
Oil burner. J. T. Grotenhuis. 1,635,836; July 12.
Oil burner. E. E. Spletter. 1,635,445; July 12.
Oil can, lubricator, and the like. A. Johnson, O. Persson, and P. Johnson. 1,635,215; July 12.
Oil separator. W. M. Little and J. L. Sherman. 1,635,218; July 12.
Oil-tank cleaner. M. C. Coleman and E. D. Shoemaker. 1,635,539; July 12.
Oils, Refining. C. Leaver. 1,635,718; July 12.
Operating table. G. C. Taplin. 1,635,588; July 12.
Ophthalmic mounting. N. M. Baker and F. Fraser. 1,635,881; July 12.
Ophthalmic mountings, Making. E. J. R. Beattey. 1,635,699; July 12.
Ornament, Animated wind-operated. S. Grillo and J. Guerra. 1,635,937; July 12.
Ornament for personal wear. J. J. Keville. 1,635,485; July 12.
Orthopedic appliance. H. J. Morris. 1,635,798; July 12.
Oven. C. W. Aird. 1,635,392; July 12.
Oven, Baker's. W. Dredge. 1,635,824; July 12.
Oven, Cake. T. G. Kus. 1,635,679; July 12.

Oven, Rectangular sole-fired coke. A. S. Knowles and C. V. McIntire. 1,635,280; July 12.
Oxidation of oil in transformers, Device for preventing. J. Kubler. 1,635,332; July 12.
Package, Braid. H. Hebeler. 1,635,841; July 12.
Package-filling machine. J. D. Conti. 1,635,543; July 12.
Packing. B. P. Joyce. 1,635,482; July 12.
Packing prismatic articles. J. Bild. 1,635,528; July 12.
Pad for dental use. A. B. Johnson. 1,635,275; July 12.
Padlock. S. R. Fraim. 1,635,711; July 12.
Pail, Milking. D. W. Bennett. 1,635,921; July 12.
Pan: *See*—
Locomotive-ash pan.
Paper-feeding machines, Sheet-separating device for. E. H. Liljedadh. 1,635,626; July 12.
Paper machines, Drive of drying cylinders of. P. Priem. 1,635,765; July 12.
Paper machines, Felt conditioner for. W. P. Feeney. 1,635,317; July 12.
Paper-making machines, Apron board for. C. W. Valentine. 1,635,772; July 12.
Paper-placing machine, Celery-bleaching-. A. P. Bush. 1,635,778; July 12.
Parachute. E. Di Guilio. 1,635,823; July 12.
Parcel carrier for shoppers. A. M. Lapham. 1,635,423; July 12.
Parisons, Method and apparatus for blowing glass. G. E. Howard. 1,635,716; July 12.
Pencil mold. C. E. Daniels. 1,635,261; July 12.
Perforating machines of the monotype typesetting-machine system, Combination bar for the intermediate frames in justifying-strip-. A. Groote. 1,635,748; July 12.
Petroleum and the like into more volatile products, Process of and apparatus for breaking up the components of. W. C. and F. E. Wells. 1,635,519; July 12.
Petroleum products, Treatment of. J. C. Black, W. D. Rial, and R. T. Howes. Re16,679; July 12.
Phonograph. O. Smith. 1,635,965; July 12.
Phonograph and radio cabinet, Combination. A. H. Haag. 1,635,837; July 12.
Phonograph record and producing the same. R. Quait, jr. 1,635,862; July 12.
Photographic enlarging, reducing, reproducing, and printing apparatus. T. C. Carpio. 1,635,741; July 12.
Photographic machine, Röntgen-ray. M. M. Pomerans. 1,635,952; July 12.
Photographic-printing apparatus. S. L. Lebby. 1,635,554; July 12.
Piano action. C. E. Cameron, jr. 1,635,817; July 12.
Piano, Upright. W. Lane. 1,635,755; July 12.
Picture recorders, Ink supply for. R. H. Ranger. 1,635,977; July 12.
Pin: *See*—
Bowling pin.
Pintle hook, Automatic. C. G. Clement. 1,635,659; July 12.
Pipe: *See*—
Drill pipe.
Pipe. F. J. Lerch. 1,635,487; July 12.
Pipe-perforating machine. B. C. Travis. 1,635,590; July 12.
Piston-packing-removing appliance. M. S. Davenport. 1,635,743; July 12.
Piston ring. E. N. Broderick. 1,635,530; July 12.
Piston ring. R. Grover. 1,635,407; July 12.
Piston-ring applier. S. M. McKee. 1,635,722; July 12.
Plant protector. T. H. Wilson. 1,635,449; July 12.
Planter, Checkrow. R. and R. Dhume. 1,635,350; July 12.
Planters, Attachment for cotton. J. S. Townsend and W. B. Camp. 1,635,866; July 12.
Planters, Marking mechanism for. E. N. Richardson. 1,635,435; July 12.
Plaster, Method of and product for making. G. B. Wood. 1,635,391; July 12.
Plastering machine. J. Lofholm. 1,635,373; July 12.
Plate for cooking utensils, Heat-distributing. E. P. McClure. 1,635,286; July 12.
Plow attachment. W. H. Chancey. 1,635,605; July 12.
Plowpoint. C. S. Coleman. 1,635,538; July 12.
Plumb line and level, Combination. H. Murray. 1,635,857; July 12.
Plumbing system. W. H. Ellis. 1,635,745; July 12.
Plunger and making same, Reenforced. A. L. Schram. 1,635,439; July 12.
Pole-framing jack. A. M. Smith and A. W. Rhoades 1,635,291; July 12.
Polishing machine, Floor-. L. W. Gillis. 1,635,474; July 12.
Post: *See*—
Fence-tightening post.
Power apparatus, Hydraulic. B. A. Bristow. 1,635,457; July 12.
Power, Device for transmitting. J. R. Rogers. 1,635,585; July 12.
Power plant utilizing steam at different pressures, Portable. O. H. Hartmann and F. Wempe. 1,635,548; July 12.
Power shovel. J. D. Ranch. 1,635,434; July 12.
Power system. J. I. Hull. 1,635,788; July 12.
Power system, Steam. I. Harter. 1,635,410; July 12.
Power-transmitting mechanism, Electrodynamic. J. F. Gill and J. N. Chaviara. 1,635,319; July 12.
Pressing machine. W. F. Haacke. 1,635,616; July 12.
Pressing-machine mechanism. E. Davis. 1,635,610; July 12.
Pressure regulator. M. G. Hubbard. 1,635,274; July 12.
Printing apparatus, Transfer-. R. Weide. 1,635,297; July 12.
Printing machines, Mask for. F. Hammond. 1,635,618; July 12.
Printing press, Multicolor rotary offset-. O. Wohlrabe. 1,635,299; July 12.
Propeller. H. G. Stanton. 1,635,966; July 12.
Propeller, Metal. J. Haw. 1,635,840; July 12.
Puller: *See*—
Book puller.
Pulley, Friction-clutch. A. L. Preimesberger. 1,635,192; July 12.
Pulp of high strength, Producing white. G. A. Richter. 1,635,637; July 12.
Pulp, Rotary screen for paper. R. S. Clarke. 1,635,258; July 12.
Pulverizer, Centrifugal impact. F. E. Agnew. 1,635,453; July 12.
Pump. R. E. L. Holmes. 1,635,786; July 12.
Pump. R. E. L. Holmes. 1,635,846; July 12.
Pump, Automatic oil. J. C. Palmer. 1,635,220; July 12.
Pump, Convertible-stage centrifugal. D. E. Yates. 1,635,655; July 12.
Pump, Vacuum. C. H. Hapgood. 1,635,271; July 12.
Punch, Removable. M. E. Tobeler. 1,635,909; July 12.
Quill drive. A. T. Kasley. 1,635,551; July 12.
Rack: *See*—
Display rack.
Radiator and radiation-increasing device, Composite. O. S. Beyer. 1,635,656; July 12.
Radiator-cap ornament. J. E. Corker. Des. 73,026; July 12.
Radio apparatus multiple dial. F. Kulhawy. Des. 73,043; July 12.
Radio condenser. P. A. Chamberlain. 1,635,459; July 12.
Radio tube and lamp parts, Machine for making. C. Eisler. 1,635,316; July 12.
Radio, Web message. C. F. Jenkins. 1,635,324; July 12.
Rail anticreeper. E. M. McVicker. 1,635,377; July 12.
Rail anticreeping and tie-plate device. E. J. Boland. 1,635,738; July 12.
Rail joints, Construction for head-free. M. Thomson. 1,635,648; June 12.
Ratchet drill. H. W. Barbour. 1,635,882; July 12.
Razor, Safety. C. L. Skelley. 1,635,642; July 12.
Razor with rolling blade, Safety. R. Piro. 1,635,342; July 12.
Record book, Comparative visible. J. E. Bemis. 1,635,357; July 12.
Reflecting signal. A. Feinberg. 1,635,267; July 12.
Refrigerating apparatus, Pump for. A. Green. 1,635,615; July 12.
Refrigerating machines, Safety device for adsorption. E. Niemann. 1,635,337; July 12.
Refrigerator. G. J. Gruendler. 1,635,668; July 12.
Regulator: *See*—
Centrifugal regulator. Pressure regulator.
Flow regulator. Thermostatic gas regulator.
Ring: *See*—
Clamping ring. Piston ring.
Rings, Process and apparatus for making finger. C. W. Allsopp. 1,635,354; July 12.
Rivet-setting machine. E. B. Stimpson. 1,635,865; July 12.
Roof, Car. C. D. Bonsall. 1,635,305–7; July 12.
Rope, Label for. F. A. Jenks. 1,635,750; July 12.
Rope, Marking device for. E. W. Brewster. 1,635,739; July 12.
Rotary mechanism, Lubrication of. F. L. O. Wadsworth. 1,635,593; July 12.
Routing machines, Chip fan for. V. Royle. 1,635,769; July 12.
Rubber and product thereof, Accelerating the vulcanization of. L. B. Sebrell. 1,635,193; July 12.
Rubber articles, Making dipped. J. Hadfield. 1,635,576; July 12.
Rubber sheeting, Making decorative. T. J. Mell. 1,635,684; July 12.
Rug-cleaning machine. A. S. Khanzadian. 1,635,366; July 12.
Sacking, packing and mixing machine. M. Gotten. 1,635,936; July 12.
Safe, Deposit. C. W. Banta. 1,635,736; July 12.
Safety catch, Forming the body member of a. E. Morehouse. 1,635,188; July 12.
Salt and pepper saker, Combination. T. C. Helsey. Des. 73,032; July 12.
Salt and pepper shaker or article of similar nature. H. Schattman. Des. 73,050; July 12.
Sand, emery, or other abrasive paper, cloth or the like. H. C. Simons. 1,635,350; July 12.
Sanding machine. E. J. Fischer. 1,635,399; July 12.
Sash, All-metal window. O. V. Nelson. 1,635,336; July 12.
Sash lifter and latch. T. C. Williams. 1,635,448; July 12.
Sausage meat and producing same. J. Alsberg. 1,635,302; July 12.
Saw. J. C. De Penning. 1,635,465; July 12.

Sawing machine. L. B. Skoglund. 1,635,290; July 12.
Scale casing. R. Craig. 1,635,661; July 12.
Screen: *See*—
Folding screen. Light-ray-filtering screen.
Guarded-opening screen.
Screw driver, Illuminated. V. Genoves. 1,635,933; July 12.
Screw, Gill. W. Holdsworth. 1,635,181; July 12.
Screw threads in channeled material, Cutting. T. L. E. Haug. 1,635,621; July 12.
Seal, Container. A. P. Poupart. 1,635,955; July 12.
Seal for vessels and the like. H. J. Bragdon. 1,635,529; July 12.
Sealing machine. H. E. Townsend. 1,635,237; July 12.
Separating materials of different specific gravities, Method and apparatus for. T. M. Chance. Re16,674; July 12.
Separator: *See*—
Oil separator.
Separators, Aerator and cooler for cream. I. S. Anderson. 1,635,877; July 12.
Sewing machine. A. R. Morrill. 1,635,856; July 12.
Sewing machines, Looper-thread-controlling mechanism for. J. R. Moffatt. 1,635,493; July 12.
Shade holder, Lamp-. E. Furst and S. Tave. 1,635,268; July 12.
Shade support, Window-. E. S. Bigelow. 1,635,700; July 12.
Shaft, Universal flexible. E. C. Dean. 1,635,929; July 12.
Sharpener, Pencil. M. D. Meserole. 1,635,974; July 12.
Sharpener, Pencil. J. Slunicko and J. A. Nixon. 1,635,562; July 12.
Sharpener, Razor. P. A. Frank. 1,635,827; July 12.
Sheet-feed-control apparatus. A. Broadmeyer. 1,635,604; July 12.
Shim, Laminated. L. A. Johnson. 1,635,753; July 12.
Shingle and laying the same. G. R. Wyman. 1,635,733; July 12.
Shirt. L. T. and F. W. Wilcox. 1,635,773; July 12.
Shock absorber. L. L. Lomar. 1,635,284; July 12.
Shock-absorber shackle. F. D. Armstrong. 1,635,880; July 12.
Shoe. L. S. Macdonald and J. E. Small. 1,635,852; July 12.
Shoe lace. M. K. Gilewicz. 1,635,884; July 12.
Shoe-shining stands, Adjustable foot rest for. M. Shear. 1,635,441; June 12.
Shoes, Machine for operating on. S. P. Lovell. 1,635,627; July 12.
Shoes or boots, Device for tying on. C. Pfersdorf. 1,635,341; July 12.
Shovel: *See*—
Power shovel.
Shuttle-eye guide plate. I. Snow. 1,635,728; July 12.
Sign or signal, Illuminated. P. H. Schuls and C. Jessen. 1,635,863; July 12.
Signal: *See*—
Reflecting signal. Vehicle signal.
Signal. A. D. Wagner. 1,635,912; July 12.
Silk, Dyeing. E. L. Maupal. 1,635,761; July 12.
Sink structure. I. Fuson. 1,635,361; July 12.
Sink, washbasin, and the like. F. S. Corrigan. 1,635,311; July 12.
Siphon. C. R. Hall. 1,635,477; July 12.
Skate machine. W. K. Howe. 1,635,577; July 12.
Sled, Coaster. J. H. Seiter. 1,635,641; July 12.
Smoker's stand and tilting table, Combined. F. B. Cushman. Des. 73,028; July 12.
Socket, Switch. R. B. Benjamin. 1,635,170; July 12.
Solder, Flexible. J. Plaut. 1,635,222; July 12.
Solenoid motor. A. F. Godefroy. 1,635,935; July 12.
Solutions containing organic phosphorous and complex amro compounds, Stable and sterilizable. L. Benda. 1,635,169; July 12.
Sound amplifier. F. D. Arnold. 1,635,303; July 12.
Sound-reception system. J. E. Aiken. 1,635,568; July 12.
Sound reproducer, Electric. A. A. Thomas. 1,635,390; July 12.
Sound, Reproducing. H. J. Round. 1,635,959; July 12.
Spacer or space band, Justifying. J. L. Rousseau. 1,635,960; July 12.
Spade, Trench. R. C. Botsford. 1,635,308; July 12.
Spark plug. J. T. Littleton. 1,635,186; July 12.
Speed-changing mechanism. E. G. Kesling. 1,635,483; July 12.
Spinning frames, Underclearer for. W. A. Carpenter. 1,635,205; July 12.
Splint. C. R. Spicer. 1,635,230; July 12.
Spool, Metallic. V. Odquist. 1,635,495; July 12.
Spring: *See*—
Vehicle spring.
Spring lubricator. G. Kelner. 1,635,327; July 12.
Spring winding machine. F. S. Folger and H. W. Altman. 1,635,747; July 12.
Square, Combination cut-off scriber and bevel. R. A. Wynkoop. 1,635,874; July 12.
Stake, Anchoring. N. E. Bray. 1,635,923; July 12.
Stand: *See*—
Advertising stand. Boiler stand.
Station, Automatic. C. E. Carey. 1,635,574; July 12.
Steel articles, Case-hardening process for. F. Pacher. 1,635,384; July 12.
Steelyards, Flexible-beam connection for. L. S. Shively. 1,635,508; July 12.
Steering-gear brake. N. C. Frikke. 1,635,210; July 12.
Stepladder, Combination. E. A. Cardarelli. 1,635,705; July 12.
Stocking protector. H. C. Willette. 1,635,298; July 12.
Stoker, Automatic. M. Ratel. 1,635,501; July 12.
Stokers, Fuel-feeding mechanism for underfeed. I. A. Taylor. 1,635,234; July 12.
Stool, Camp. R. F. Fransdorf. 1,635,828; July 12.
Stool, steps, and tool box, Combined. A. A. Jeannotte. 1,635,183; July 12.
Storage-battery container. L. O. Percy. 1,635,976; July 12.
Storage-battery terminal connection. G. Spurgeon. 1,635,351; July 12.
Store fixture, Revolving. F. B. Mitchell. 1,635,384; July 12.
Stoves and the like, Door-operating device for. J. C. Boylan. 1,635,777; July 12.
String fastener. C. J. Lippold. 1,635,283; July 12.
Stringed instruments, Playing attachment for. J. S. Conner. 1,635,542; July 12.
Study chair. E. O. Klemm. Des. 73,039; July 12.
Submarines, Steam power plant for. W. Schmidt. 1,635,561; July 12.
Sucker-rod rotor. D. F. Alexson. 1,635,776; July 12.
Suction cleaner. P. Dadio. 1,635,821; July 12.
Surgical appliance. C. Bartholomew. 1,635,919; July 12.
Switch: *See*—
Electric switch. Lock-controlled switch.
Table: *See*—
Folding table. Operating table.
Table cover or the like, Embroidered cloth. S. N. Malouk. Des. 73,045; July 12.
Taper-turning attachment. J. E. Lovely. 1,635,285; July 12.
Tar, Distillation of. J. S. Morgan and D. Rider. 1,635,896; July 12.
Taximeters, Driving means for. C. Anstotz and W. Sampe. 1,635,698; July 12.
Teapot construction. A. F. Saunders. 1,635,639; July 12.
Telegraph distortion-measuring system. J. M. Fell. 1,635,209; July 12.
Telegraph, Printing or selecting. C. L. and H. L. Krum. 1,635,486; July 12.
Telegraphy, Carrier current. L. Espenschied. 1,635,207; July 12.
Telephone construction. A. Nyman. 1,635,558; July 12.
Telephone receiving apparatus. S. G. Brown. 1,635,309; July 12.
Telephone system. J. Wicks. 1,635,805; July 12.
Template for laying out patterns, Master. S. Abrams and J. Neff. 1,635,300; July 12.
Tennis-racket stringing, Controlling the tension of a. W. A. Larned. 1,635,943; July 12.
Tent. A. F. Leach. 1,635,756; July 12.
Terminal connecter. A. J. Carter. 1,635,256; July 12.
Testing of material, Method and apparatus for the fatigue. W. Hort. 1,635,787; July 12.
Textile machines, Cop holder for. J. A. Anderson. 1,635,525; July 12.
Thermometer. C. J. Manuel and W. H. Lentz. 1,635,680; July 12.
Thermometer or thermometer tube support. J. B. Carroll. 1,635,174; July 12.
Thermometer, Oven. H. R. Whittier. 1,635,652; July 12.
Thermometer tube. F. R. Sunderlin. 1,635,771; July 12.
Thermostatic gas regulator. H. J. Rockwell. 1,635,559; July 12.
Ticket, Marking. G. A. Wallin. 1,635,868; July 12.
Tie: *See*—
Concrete tie.
Tie. H. B. Mapou. 1,635,946; July 12.
Tie clasp, Adjustable. F. Jagemann. 1,635,791; July 12.
Tire and rim carrier and rim tool, Combined. J. C. Rummer. 1,635,907; July 12.
Tire beads, Machine for covering. W. C. Stevens. 1,635,647; July 12.
Tire chains, Coupling for. W. T. Nardin. 1,635,975; July 12.
Tire, Cushion. W. E. Shively. 1,635,194; July 12.
Tire lock, Spare-. J. Sokolov. 1,635,228; July 12.
Tire-shaping apparatus. A. O. Abbott, jr. 1,635,242; July 12.
Tires, Apparatus for manufacturing. A. O. Abbott, jr. 1,635,240; July 12.
Tires, Vacuum shaping machine for. A. O. Abbott, jr. 1,635,243; July 12.
Tires, Vacuum shaping machine for straight-side. A. O. Abbott, jr. 1,635,241; July 12.
Tires, Wheel for detachable. J. H. Gildersleeve and H. J. Faint. 1,635,362; July 12.
Tool. C. Strobl. 1,635,968; July 12.
Tool, Cylinder-head-lifting. J. V. Critchley. 1,635,259; July 12.
Tool, Fishing. R. I. Henderson. 1,635,622; July 12.
Tool for separating adhering sheets. W. T. Scott. 1,635,640; July 12.
Tool holder, Offset. J. Ryan. 1,635,437; July 12.
Tool mounting and controller, Cutting-. W. W. Vosper. 1,635,447; July 12.
Tool, Power. C. A. Davis. 1,635,463; July 12.

Tool, Rotary drilling. F. L. O. Wadsworth. 1,635,592; July 12.
Tool, Threading. R. E. Flanders. 1,635,179; July 12.
Toothpick holder. C. March. 1,635,947; July 12.
Top construction. J. H. Bourgon. 1,635,358; July 12.
Torch burner, Welding-. C. E. Chapman. 1,635,606; July 12.
Toy. W. D. Good. 1,635,835; July 12.
Toy. H. Rost. 1,635,223; July 12.
Toy, Figure. W. H. Johnson. 1,635,550; July 12.
Toy, Inflatable. J. F. Winkler. 1,635,969; July 12.
Toy, Mechanically-operated figure. G. W. Miller. 1,635,948; July 12.
Toy pump. J. A. Ross. 1,635,978; July 12.
Toy, Tail-wagging. O. R. Starke. 1,635,770; July 12.
Toy windmill. W. B. Scott. Des. 73,056; July 12.
Track-belt links, Grouter attachment for. R. H. White. 1,635,597; July 12.
Track links, Rubber-tread attachment for. R. H. White. 1,635,596; July 12.
Tractors, Four-wheel-drive transmission for. R. L. Tolson. 1,635,236; July 12.
Tractors, Tread chain for. O. L. Gilliland. 1,635,403; July 12.
Traffic-warning device. W. J. White. 1,635,915; July 12.
Train-pipe coupling, Automatic. J. Robinson. 1,635,345; July 12.
Transfer device for invalids. E. Cole. 1,635,575; July 12.
Transformer. W. Kummerer. 1,635,794; July 12.
Transmission. F. G. Rose. 1,635,958; July 12.
Trap: *See*—
  Impaling trap.
Trap. C. P. Rowley. 1,635,224; July 12.
Truck. G. M. Turner. 1,635,198; July 12.
Truck, Car. S. P. Bush. 1,635,740; July 12.
Truck, Car. J. H. Tucker. 1,635,910; July 12.
Truck side frame, Cast car-. G. T. Johnson and H. W. Stertzbach. 1,635,751; July 12.
Truck, Tongue-supporting. H. B. Sperry. 1,635,803; July 12.
Trucks and similar structures, Bearing for railroad. G. R. Moran. 1,635,685; July 12.
Trucks and the like, Direction indicator for motor. J. D. Stassart. 1,635,587; July 12.
Trucks, Dumping unit for motor. J. C. Poth. 1,635,953–4; July 12.
Trucks, Loading device for motor. G. W. Otterson. 1,635,338; July 12.
Tub bench. F. F. Pagel and C. E. Klawitter. 1,635,902; July 12.
Tube: *See*—
  Hair-waving tube. Thermometer tube.
Tube frames, Tuft tube for. E. F. Hathaway. 1,635,671; July 12.
Tube-skiving apparatus. A. E. Falor. 1,635,710; July 12.
Tubular members, Shearing. W. E. Amberg. 1,635,807; July 12.
Tumbler. T. C. Helsey. Des. 73,031; July 12.
Turntable-bearing device. J. D. Rauch. 1,635,680; July 12.
Typewriting machine. G. F. Handley. 1,635,408; July 12.
Typewriting machine. E. B. Hess. 1,635,411–12; July 12.
Typewriting machine. E. B. Hess. 1,635,672; July 12.
Typewriting machine. J. Lindburg. 1,635,282; July 12.
Typewriting machine. L. C. Myers. 1,635,431; July 12.
Union suit, Tubular-knit. A. J. Belang. 1,635,455; July 12.
Universal joint. N. W. Amdur. 1,635,164; July 12.
Vacuum cleaner. E. Ragonot. 1,635,344; July 12.
Vacuum preserver. A. B. Briggs. 1,635,815; July 12.
Vacuum return boiler feed. L. K. Ascher. 1,635,600; July 12.
Valve. J. F. Parker. 1,635,287; July 12.
Valve accelerating device, Dry-pipe-. E. Tyden. Re16,678; July 12.
Valve, Acknowledgment. J. F. Webb, jr. 1,635,804; July 12.
Valve, Check. J. Hirshstein. 1,635,842; July 12.
Valve device. E. Tyden. 1,635,295; July 12.
Valve gearing. F. S. Baster. 1,635,304; July 12.
Valve, Indicating. J. Sandilands. 1,635,349; July 12.
Valve, Radiator vent. E. Jacobus. 1,635,790; July 12.
Valve, Rotary. G. F. Rathbun. 1,635,767; July 12.
Valve, Rotary. C. H. Seifert. 1,635,963; July 12.
Valve snap action. F. G. Schweisthal. 1,635,692; July 12.
Valve structure, Rotary. E. H. Mitcham. 1,635,380; July 12.
Vanity case. R. T. Brewster. Des. 73,024–5; July 12.
Vanity case. N. Kasdan and D. Pollack. 1,635,326; July 12.
Vanity case. A. H. Noble. 1,635,631; July 12.
Vanity cases, Compact ejector for. W. G. Kendall. 1,635,891; July 12.
Vaporizer. R. M. Anderson and S. M. Udale. 1,635,808; July 12.
Varnish, Chlorinated-rubber. N. Boehmer. 1,635,812; July 12.
Varnish, Nonflammable. H. C. Weber. 1,635,567; July 12.
Vault, Burial. E. H. Pinkerton. 1,635,904; July 12.
Vault doors, Attachment for. N. Z. Smith. Re16,675; July 12.
Vegetable-topping machine. C. H. Ayars. 1,635,569; July 12.
Vehicle antifriction spring bearing. H. C. Harris. 1,635,669; July 12.
Vehicle end gate. C. F. Allison. 1,635,163; July 12.
Vehicle jack. J. H. Burkholder. 1,635,397; July 12.
Vehicle, Motor. J. Riise. 1,635,388; July 12.
Vehicle, Motor. L. M. Woolson. 1,635,873; July 12.
Vehicle propelling mechanism. V. D. White. 1,635,870; July 12.
Vehicle signal. E. W. Nitz. 1,635,898; July 12.
Vehicle signal. F. Romanowski. 1,635,436; July 12.
Vehicle signal. H. B. Waters. 1,635,651; July 12.
Vehicle spring. D. E. Duncan. 1,635,360; July 12.
Vehicle springs, Lubrication of. F. G. Hirst. 1,635,413; July 12.
Vehicle transmission, Electric. H. K. Whitehorn. 1,635,598; July 12.
Vehicle wheel. A. J. Michelin. 1,635,894–5; July 12.
Vehicle wheel, Cast-metal. A. Meldrum. 1,635,490; July 12.
Vehicles, Direction signal for motor. J. McEntee. 1,635,427; July 12.
Vehicles, Drive of three-axled motor. H. Blumer. 1,635,657; July 12.
Vehicles, Hydraulic brake system for motor. F. C. Pearson. 1,635,221; July 12.
Vehicles, Signal device for. S. Lippert. 1,635,372; July 12.
Vehicles, Speed-changing mechanism for motor. E. G. Kesling. 1,635,484; July 12.
Vending machine. J. Zsoldos. 1,635,451–2; July 12.
Ventilator: *See*—
  Closed-body ventilator.
Violin. M. Redlinger. 1,635,502; July 12.
Violin mandolin. H. Miller. 1,635,429; July 12.
Viscosometer. C. M. Larson. 1,635,281; July 12.
Voice devices, Post structure for. A. Konoff. 1,635,330; July 12.
Wall board. P. T. Beygrau. 1,635,922; July 12.
Wall board. R. N. Jensen. 1,635,214; July 12
Wall construction, Acoustic. G. P. Little. 1,635,796; July 12.
Wallet. M. Kanzel. 1,635,940; July 12.
Washboiler. W. Saare. 1,635,979; July 12.
Washing machine. R. C. Beekman. 1,635,856; July 12.
Washing machine. O. Brändli. 1,635,245; July 12.
Washing machine. B. E. Getz. 1,635,402; July 12.
Washing machines, Driving mechanism for. O. B. Woodrow. 1,635,450; July 12.
Water and other impurities from mineral or other oils or liquids, Separating. H. J. Holford. 1,635,845; July 12.
Water-power utility. I. Cummings. 1,635,820; July 12.
Weaving, Nipper for tuft. E. F. Hathaway. 1,635,670; July 12.
Welding apparatus, Electric. J. W. Meadowcroft. 1,635,583; July 12.
Welding apparatus, Electric-arc. J. H. Exendam. 1,635,208; July 12.
Welding, Arc. E. B. Paxton. 1,635,764; July 12.
Welding machine, Electric. J. W. Meadowcroft. 1,635,582; July 12.
Wheel: *See*—
  Automobile wheel. Grinding wheel.
  Bicycle wheel. Vehicle wheel.
Wheel-attaching device. W. P. Shuffleton. 1,635,389; July 12.
Wheel lock, Spare-. J. Sokolov. 1,635,229; July 12.
Wheel with drum. T. E. Murray, jr. 1,635,335; July 12.
Wheels, Hub-locking device for. C. Sauzedde. 1,635,505; July 12.
Whisk broom holder and shoe polisher, Combination. L. E. Goeller. 1,635,885; July 12.
White lead, Manufacture of. G. F. Lloyd and F. H. Campbell. 1,635,759; July 12.
Window, Casement. C. S. Clarke. 1,635,537; July 12.
Window-glass guide. E. W. M. Bailey. 1,635,570; July 12.
Window guard. F. Benca. 1,635,601; July 12.
Window structure. T. L. Jurasinski. 1,635,678; July 12.
Windshield attachment. J. E. Reed. 1,635,906; July 12.
Windshield-cleaner motor. F. G. Folberth. 1,635,401; July 12.
Wire connecter. W. R. Sommer, R. Ree, and C. Kerkhof. 1,635,293; July 12.
Wire connecter. J. Zilliox. 1,635,200; July 12.
Wire-drawing dies, Manufacture of. K. B. Lewis and F. H. Ellsworth. 1,635,945; July 12.
Wires, Safety device for high-tension. A. A. C. Ohlsen. 1,635,726; July 12.
Woven fabric or similar article. L. Bluhm. Des. 73,022; July 12.
Wrapping machine. P. Pierce. 1,635,288; July 12.
Wrench. P. A. Forsdahl. 1,635,930; July 12.
Writing implement. O. Imset. 1,635,624; July 12.

CLASSIFICATION OF PATENTS

ISSUED JULY 12, 1927.

NOTE.—First number—class, second number—subclass, third number—patent number.

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78: 1,635,455
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263— 3: 1,635,715
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265— 11: 1,635,281
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267— 10: 1,635,913
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268— 63: 1,635,758
271— 26: 1,635,626
38: 1,635,197
56: 1,635,604
272— 10: 1,635,795
33: 1,635,387
53: 1,635,375
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66: 1,635,204
273— 33: 1,635,376
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73: 1,635,943
82: 1,635,472
87: 1,635,480
134: 1,635,734
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274— 2: 1,635,837
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277— 54: 1,635,287
311: 1,635,348
279— 30: 1,635,909
113: 1,635,481
280—33.15: 1,635,659
46: 1,635,196
51: 1,635,423
83: 1,635,803
89: 1,635,210
95: 1,635,706

281— 32: 1,635,864
33: 1,635,420
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42: 1,635,625
284— 11: 1,635,782
285— 58: 1,635,345
176: 1,635,371
287— 14: 1,635,164
288— 1: 1,635,482
290— 14: 1,635,508
292— 74: 1,635,506
164: 1,635,580
167: 1,635,579
169: 1,635,757
173: 1,635,589
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338: 1,635,448
293— 55: 1,635,418
294— 49: 1,635,308
91: R. 16,672
106: 1,635,622
296— 44.5: 1,635,670
50: 1,635,163
51: 1,635,422
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94: 1,635,609
97: 1,635,367
137: 1,635,358
298— 10: 1,635,954
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299— 15: 1,635,446
141: 1,635,464
300— 16: 1,635,322
301— 6: 1,635,335
9: 1,635,504
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17: 1,635,325
58: 1,635,849
63: 1,635,894
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65: 1,635,490
303— 11: 1,635,221
23: 1,635,737
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305— 10: 1,635,403
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306— 33: 1,635,961
308— 72: 1,635,468
180: 1,635,665
231: 1,635,689
244: 1,635,753

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbeville Cotton Mills, Abbeville, S. C. Sheetings. 230,204; July 19; Serial No. 213,542; published Mar. 8, 1927.

Acheson Harden Co., The, New York, N. Y. Handkerchiefs. 230,386; July 19; Serial No. 246,994; published May 10, 1927.

Aenchbacher Bros., Covington, Ga. Bread, cakes, and cookies. 230,209; July 19; Serial No. 227,336; published May 10, 1927.

Aer-Seal Manufacturing Company, Fort Wayne, Ind. Puncturepproof tire liquid. 230,408; July 19.

Albany Packing Co., Inc., West Albany, N. Y. Smoked pork products. 230,418; July 19.

Alberger Condenser Co., New York, N. Y. Water heaters and heat extractors. 65,970–1; renewed Nov. 5, 1927.

Alberger Condenser Co., New York, N. Y. Expansion joints. 66,319; renewed Nov. 19, 1927.

Alberta Candy Co. Inc., San Francisco, Calif. Candy. 230,388; July 19; Serial No. 245,606; published May 10, 1927.

Alliance Clay Product Co., The, Alliance, Ohio. Face brick, common brick, and fireproofing tile. 230,398; July 19; Serial No. 245,684; published May 10, 1927.

Allimone Adjustable Golf Club Corporation, The, San Francisco, Calif. Golf clubs. 230,444; July 19.

Aluminum Industries, Inc., Cincinnati, Ohio. Aluminum. 230,397; July 19; Serial No. 245,685; published May 3, 1927.

America Press, The, New York, N. Y. Publication. 230,260; July 19; Serial No. 246,804; published May 10, 1927.

American Floor Surfacing Machine Co., The, Toledo, Ohio. Surface treating and finishing machines. 230,402; July 19.

American Floor Surfacing Machine Co., The, Toledo, Ohio. Sandpaper, abrasive paper and cloth, etc. 230,436; July 19.

American Press Board Co. (See Bass & Goldberg.)

American Press, The, New York, N. Y. Publication. 230,285; July 19; Serial No. 246,802; published May 10, 1927.

American Road Machinery Company, Kennett Square, Pa. Distributing and dumping wagons and road oil distributors. 230,294; July 19; Serial No. 228,399; published May 10, 1927.

American Trade Publishing Co., New York, N. Y. Magazine. 230,264; July 19; Serial No. 246,880; published May 10, 1927.

Armstrong Cork Company, Lancaster, Pa. Cork material. 230,324; July 19; Serial No. 243,409; published May 3, 1927.

Armstrong Cork & Insulation Company, Pittsburgh, Pa. Cork board. 230,306; July 19; Serial No. 244,911; published May 3, 1927.

Arnold Bros. Inc., Chicago, Ill. Liver sausage. 230,425; July 19.

Arnold Bros. Inc., Chicago, Ill. Sausage. 230,426; July 19.

Arveo Industries, Grosse Ile, Mich. Preparation for preventing moths, etc. 230,328; July 19; Serial No. 244,127; published May 10, 1927.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 230,422; July 19.

Associated Druggists of New Jersey, Newark, N. J. Sanitary napkins. 230,288; July 19; Serial No. 241,856; published May 10, 1927.

Atlas Gypsum Corporation, The, New York, N. Y. Gypsum. 230,219; July 19; Serial No. 244,271; published May 10, 1927.

Baker & Co., Inc., Newark, N. J. Dental alloys. 230,379; July 19; Serial No. 245,464; published May 10, 1927.

Bambas, Samuel M., North Arlington, N. J. Animal skins. 230,344; July 19; Serial No. 241,311; published May 3, 1927.

Barnet Leather Co., Inc., New York, N. Y. Leather. 230,228; July 19; Serial No. 244,599; published May 3, 1927.

Barrell, William L., Co., of New York, Inc., New York, N. Y. Cotton duck in the piece. 230,307; July 19; Serial No. 244,972; published May 10, 1927.

Baruch, Paul L., Publishing Co. Incorporated, The, New York, N. Y. Greeting cards, posters, pictures, advertising cards, circulars, etc. 230,287; July 19; Serial No. 241,802; published May 10, 1927.

Bass and Goldberg, doing business as American Press Board Co., New York, N. Y. Dry-cleaning fluid for fabrics and other materials. 230,202; July 19; Serial No. 228,169; published May 10, 1927.

Baughman, R. J., sr., Greensburg, Pa. Insect and vermin destroyer. 230,273; July 19; Serial No. 246,659; published May 10, 1927.

Beggs, C. W., Sons & Co., Chicago, Ill. Dandruff remover and preventer. 230,365; July 19; Serial No. 230,867; published May 10, 1927.

Belknap Hardware & Manufacturing Company, The, Louisville, Ky. Asphalt roofing. 230,372; July 19; Serial No. 245,323; published May 10, 1927.

Bennett, George E., doing business as E. W. Bennett & Co., San Francisco, Calif. Metal polishes. 230,256; July 19; Serial No. 246,384; published May 10, 1927.

Bethlehem Fabricators, Inc., Bethlehem, Pa. House organ. 230,301; July 19; Serial No. 243,640; published May 10, 1927.

Bird, Jones & Kenyon, assignor to Utica Duxbak Corporation, Utica, N. Y. Clothing. 65,268; renewed Sept. 17, 1927.

Borgsmiller, Henry, & Sons, Murphysboro, Ill. Rolled oats, cocoa, dates, mincemeat, etc. 230,321; July 19; Serial No. 243,192; published May 3, 1927.

Bourjois, Inc., New York, N. Y. Toilet soap. 230,360; July 19; Serial No. 236,251; published Apr. 5, 1927.

Breece Manufacturing Company, The, Portsmouth, Ohio. Flooring. 230,421; July 19.

Brown, W. P., & Sons Lumber Co., Brownville, Ala., and Louisville, Ky. Creosoted lumber. 230,419; July 19.

Buck and Rayner, Chicago, Ill. Emulsion. 230,435; July 19.

Buffalo Products Co., Inc., Buffalo, N. Y. Malt beverages. 230,443; July 19.

Bullard, Reginald G., doing business as Bullard Products, Monterey Park, Calif. Auto top and leather dressing. 230,348; July 19; Serial No. 234,366; published Mar. 29, 1927.

Burgess, C. F., Laboratories, Inc., Madison, Wis. Wall board. 230,325; July 19; Serial No. 243,478; published Apr. 26, 1927.

Butterfield, Fred, & Co. Inc., New York, N. Y. Rayon fabric in the piece. 230,385; July 19; Serial No. 247,001; published May 10, 1927.

Carrick, Sarah. (See Whelan, Mary C., assignor.)

Carroll, Brough & Robinson, Oklahoma City, Okla. Foods. 65,801; renewed Oct. 22, 1927.

Cenol Company, Chicago, Ill. Moth destroyer, bedbug destroyer, insect powder, etc. 230,308; July 19; Serial No. 244,988; published May 10, 1927.

Central Scientific Company, Chicago, Ill. Aluminum rod, brass sheet, copper wire, nickel sheet, etc. 230,203; July 19; Serial No. 213,001; published May 10, 1927.

Chappel Bros., Inc., Rockford, Ill. Prepared food for dogs, cats, and other carnivorous animals. 230,270; July 19; Serial No. 246,389; published May 10, 1927.

Charles, Burton R., doing business as Charles Radium Laboratories, Los Angeles, Calif. Electroradium belts for therapeutic use. 230,309; July 19; Serial No. 244,985; published May 10, 1927.

Charlier, Camille, and Abraham Errera, Brussels, Belgium. Metal pans and kettles for cooking. 230,198; July 19; Serial No. 244,134; published May 10, 1927.

Chetelat, André, Co., Baltimore, Md. Cocoa. 230,266; July 19; Serial No. 246,325; published May 10, 1927.

China Lady, The. (See Cummings, Christabel.)

Church Mfg. Co., The, Kennewick, Wash. Grape juice. 230,427; July 19.

Cincinnati Auto Specialty Co., The, Cincinnati, Ohio. Fabric door and seat covers for automobiles. 230,267; July 19; Serial No. 246,332; published May 10, 1927.

Citrus Growers Association. (See Manatee County Citrus Sub-Exchange.)

Clark, J. R., Company, The, Minneapolis, Minn. Stepladders and stepladder stools. 230,289; July 19; Serial No. 241,927; published May 3, 1927.

Clark, J. Shephard, Company, assignor, by mesne assignments, to International Trade Papers, Inc., New York, N. Y. Magazine or periodical. 54,849; renewed July 31, 1926.

Clinton Cartridge Company. (See Sears, Roebuck and Co.)

Cohen, A., & Sons Corp., New York, N. Y. Brushes. 230,429; July 19.

Cole Chemical Company, St. Louis, Mo. General laxative. 230,240; July 19; Serial No. 245,050; published May 10, 1927.

Cole, Elizabeth J., Lowell, Mass. Cleaners and polishers for aluminum, copper, brass, etc. 230,253; July 19; Serial No. 246,196; published May 10, 1927.

Colgate & Company, Jersey City, N. J. Soap, soap powder, soap chips, soap flakes, etc. 230,252; July 19; Serial No. 245,750; published May 10, 1927.

Colson Company, The, Elyria, Ohio. Bicycles. 230,293; July 19; Serial No. 228,301; published May 10, 1927.

Columbia Manufacturing Company. (See Roberts, Cora L.)

Columbia Show Case Co., The, Columbus, Ohio. Cabinets for radio apparatus. 230,399; July 19.

Columbia Tool Steel Company, Chicago Heights, Ill. Tool steel. 230,327; July 19; Serial No. 243,590; published May 3, 1927.

Compagnie d'Applications Mécaniques, Paris, France. Spring pneumatic or hydraulic suspensions, leaf springs, spring brakes, etc. 230,349; July 19; Serial No. 234,503; published May 10, 1927.

Companion Publishing Company. (See Young, Anthony G., assignor.)

Compound & Pyrone Door Company, St. Joseph, Mich. Doors of wood construction. 230,298; July 19; Serial No. 243,591; published May 3, 1927.

Compress Buckle Company, Fort Worth, Tex., and Attalla, Ala. Buckles for cotton-bale ties. 230,310; July 19; Serial No. 244,986; published May 10, 1927.
Concrete Equipment Co., Holland, Mich. Brick, tile, blocks, and concrete structural units. 230,221; July 19; Serial No. 244,392; published May 3, 1927.
Constructive Publishing Corporation, New York, N. Y. Magazine. 230,271; July 19; Serial No. 246,394; published May 10, 1927.
Continental Bank Supply Company, Mexico, Mo. Bank supplies. 230,211; July 19; Serial No. 227,828; published May 10, 1927.
Continental Rubber Company of New York, New York, N. Y. Crude rubber. 230,378; July 19; Serial No. 245,475; published May 10, 1927.
Coy, Disbrow & Co., Inc., New York, N. Y. Kraft paper in rolls and sheets. 230,329; July 19; Serial No. 244,290; published May 10, 1927.
Cresca Company Incorporated. (See Reiss & Brady, assignors.)
Cummings, Christabel, doing business as The China Lady, Philadelphia, Pa. Candy. 230,236; July 19; Serial No. 246,153; published May 10, 1927.
Danforth Chemical Company, Saco, Me., and Leominster, Mass. Powder for use on plants and vines. 30,809; renewed Nov. 9, 1927.
Deere & Co., Moline and Decatur, Ill.; Council Bluffs, Des Moines, and Keokuk, Iowa; Kansas City, and St. Louis, Mo.; Minneapolis, Minn.; and San Francisco, Calif., assignors to Deere & Company, Moline, Ill. Wagons. 30,580; renewed Sept. 21, 1927.
Degener, Armin, Inc., New York, N. Y. Jewel boxes, sewing baskets, perfume boxes, etc. 230,342; July 19; Serial No. 241,036; published May 10, 1927.
Delaware Indian Remedies Co., The. (See Kirk, John R.)
Dell Publishing Company, New York, N. Y. Magazine. 230,339; July 19; Serial No. 240,345; published Jan. 11, 1927.
Dennison Manufacturing company, Framingham, Mass. Crepe-paper outfit. 230,322; July 19; Serial No. 243,201; published May 10, 1927.
Destrooper's Raincoat Co., The, Brussels and Ixelles-Brussels, Belgium. Skins and leather. 230,331; July 19; Serial No. 237,445; published Apr. 26, 1927.
Detroit Aeroflex Stabilizer Company, Detroit, Mich. Air-cushion devices. 230,206; July 19; Serial No. 226,339; published Mar. 22, 1927.
Dextrose Co. Inc., The, New York, N. Y. Dextrose. 230,296; July 19; Serial No. 228,808; published May 3, 1927.
Doctors' Essential Foods Co., Inc., New York, N. Y. Bread. 230,391; July 19; Serial No. 245,831; published May 10, 1927.
Dresdner Reisentensilien- & Lederwarenfabrik G. L. Lippold. (See Lippold, Gottfried L.)
Dryden Rubber Company, Chicago, Ill. Hoof pads. 230,448–50; July 19.
Dryice Corporation of America, New York and Long Island, N. Y. Empty containers. 230,202; July 19; Serial No. 211,339; published May 10, 1927.
Dudley, B. C., Coal Company, Indianapolis, Ind. Coal. 230,225; July 19; Serial No. 244,551; published May 10, 1927.
Dugan Brothers, Inc., Brooklyn, N. Y. Magazine. 230,273; July 19; Serial No. 246,469; published May 10, 1927.
Duplan Silk Corporation, New York, N. Y. Textile fabrics. 230,247; July 19; Serial 245,428; published May 10, 1927.
Eagle, C. K., & Co., Inc., Shamokin, Pa., and New York, N. Y. Silk goods. 230,413; July 19.
Eagle Leather Goods Company, Philadelphia, Pa. Suit cases, fitted cases, and hand bags. 230,354; July 19; Serial No. 232,721; published May 10, 1927.
Edward Valve and Manufacturing Co., The, East Chicago, Ind. Valves for controlling the flow of fluids. 230,346; July 19; Serial No. 236,307; published May 10, 1927.
Eldridge, Mrs. John, jr., Hepworth, Ontario, Canada. Plum pudding. 230,318; July 19; Serial No. 242,088; published May 3, 1927.
Electric Refrigeration Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 230,229; July 19; Serial No. 244,673; published May 3, 1927.
Ellis, Francis C., doing business as Ellis Research Laboratories, Chicago, Ill. Instrument for diagnosis and food and remedy testing by analysis of radiant energies. 230,333; July 19; Serial No. 237,795; published May 3, 1927.
Eothen Mfg. Co., The, Cleveland, Ohio. Chocolate laxative. 230,245; July 19; Serial No. 245,345; published May 10, 1927.
Ernst, Edward C., Ellwood City, Pa. Antiskid chains for vehicles and replacement units for antiskid chains. 230,417; July 19.
Eubölithwerke A.-G. in Olten, Olten, Switzerland. Jointless floors, wainscoting, panels, etc. 230,212; June 19; Serial No. 227,831; published Apr. 26, 1927.
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Saw-blade blanks, rolled and hammered steel, and drawn steel. 230,352. July 19; Serial No. 233,926; published May 10, 1927.
Federal Packing Co., The, Cleveland, Ohio. Beef, mutton, lamb, veal, etc. 230,367; July 19; Serial No. 234,571; published May 3, 1927.
Feist, Max, Inc., New York, N. Y. Velvets in the piece. 230,347; July 19; Serial No. 236,923; published May 10, 1927.
Filler & Fiebig, Berlin, Germany. Drawing and tracing paper, writing stencils, fountain pens, etc. 230,326; July 19; Serial No. 243,485; published May 10, 1927.
Fiske & Company, Inc., Boston, Mass. Bricks. 230,361; July 19; Serial No. 245,261; published May 10, 1927.
Flents Products Company. (See Low, Clarence H.)
Florida Milk Co., The, St. Petersburg, Fla. Ice cream. 230,404; July 19.
Foundation Press, Inc., The, Cleveland, Ohio. Printed books published from time to time. 230,213; July 19; Serial No. 246,275; published May 10, 1927.
Fullen, W. C., Beverage Company, Munaca, Pa. Beverages and ginger ale. 230,445; July 19.
General Chemical Company, New York, N. Y. Fungicides. 230,420; July 19.
General Chromium Corporation. (See Vacuum Can Company, assignor.)
Georgia Fertilizer Company, Valdosta, Ga. Commercial fertilizer and nitrate of soda and potashes used in the production of commercial fertilizers. 230,226; July 19; Serial No. 244,554; published May 10, 1927.
Gottschalk, John W., Philadelphia, Pa. Wire. 230,430; July 19.
Goudey Gum Co., The, Boston, Mass. Chewing gum. 230,272; July 19; Serial No. 246,401; published May 10, 1927.
Gould Coupler Co., The, New York, N. Y. Castings. 230,230; July 19; Serial No. 244,690; published May 3, 1927.
Gray, Porter S., Dougherty, Calif. Fresh grapes. 230,275; July 19; Serial No. 246,607; published May 10, 1927.
Griess Pfleger Tanning Company, Cincinnati, Ohio. Leather. 230,371; July 19; Serial No. 245,394; published May 10, 1927.
Grinnell Brothers, Inc., Providence, R. I. Candy. 230,407; July 19.
Growell Pot Company, Inc., New York, N. Y. Seedling growing and setting-out receptacles made of peat. 230,370; July 19; Serial No. 245,437; published May 10, 1927.
Haddad, George Z., Springfield, Mass. Malt extract. 230,414; July 19.
Halpern, Irving, doing business as Hal Pern M'f'g Co., Brooklyn, N. Y. Insecticide. 230,358; July 19; Serial No. 230,917; published May 10, 1927.
Held, Roy J., doing business as Stover Steel Tank & Mfg. Co., Freeport, Ill. Water-softening apparatus. 230,440; July 19.
Hoffman Heater Company, The, Louisville, Ky. Gas water heaters and gas storage systems for the storage of water. 230,434; July 19.
Hokanson, Martin, Duluth, Minn. Edible crackers. 230,351; July 19; Serial No. 233,824; published Mar. 22, 1927.
Hooker, Mary S., doing business as Hopkins Chemical Co., Chicago, Ill. Liniment. 230,255; July 19; Serial No. 246,347; published May 10, 1927.
Hooper-Mankin Fuel Company, Huntington, W. Va.; Battle Creek, Mich.; and Richmond, Va. Coal. 230,242; July 19; Serial No. 245,094; published May 10, 1927.
Hopkins Chemical Co. (See Hooker, Mary S.)
Hudson & Co., Mattituck, assignor to Hudson & Co., Inc., Holley, N. Y. Canned fruits, vegetables, and meats. 29,876; renewed Apr. 20, 1927.
Hudson Motor Car Company, Detroit, Mich. Gasoline passenger automobiles. 230,222; July 19; Serial No. 244,444; published May 10, 1927.
Hulson Grate Company, Incorporated, Keokuk, Iowa. Grate bars. 230,452; July 19.
Inman Mills, Inman, S. C. Cotton goods in the piece. 230,248; July 19; Serial No. 245,558; published May 10, 1927.
International Trade Papers, Inc. (See Clark, J. Shepherd, Company, assignor.)
Isaacson, William O., Chicago, Ill. Anchors used in building construction. 230,323; July 19; Serial No. 243,368; published May 3, 1927.
Ivins', J. S., Son, Inc., Philadelphia, Pa. Cookies. 230,403; July 19.
Jaburg Brothers, Inc., New York, N. Y. Oleomargarine. 230,214; July 19; Serial No. 246,289; published May 10, 1927.
Jackson Fox Farms, Incorporated, Morley, Mich. Foxes and furs. 230,355; July 19; Serial No. 233,776; published May 3, 1927.
Jynx Company, The, Alexandria, Va. Tire-puncture antideflator compound. 230,392; July 19; Serial No. 245,790; published May 10, 1927.
Katekaru, J., doing business as J. Katekaru Co., Brawley, Calif. Melons and fresh vegetables. 230,210; July 19; Serial No. 227,357; published May 10, 1927.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Vacuum cleaners. 230,297; July 19; Serial No. 228,910; published May 10, 1927.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Cotton and linen bed sheets, pillowcases, bedspreads, etc. 230,343; July 19; Serial No. 241,287; published May 10, 1927.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Aluminum ware. 230,431; July 19.
Kelly, John A., Great Falls, Mont. Rubefacient lotion and counterirritant. 230,257; July 19; Serial No. 246,415; published May 10, 1927.
Keystone Refractories Company, New York, N. Y. Plastic firebrick. 230,243; July 19; Serial No. 245,097; published May 3, 1927.
King Refractories Company, Incorporated, Buffalo, N. Y. Cement. 230,217; July 19; Serial No. 244,232; published May 3, 1927.
Kirk, John R., doing business as The Delaware Indian Remedies Co., Pueblo, Colo. Cough sirup, hair tonic, kidney and bowel medicines, corn salves, etc. 230,330; July 19; Serial No. 244,503; published May 10, 1927.
Knecht, Bruno, doing business as B. Knecht & Co., Chicago, Ill. Cheese. 230,410; July 19.
Kohnstamm, H., & Co., Inc., New York, N. Y. Colors used in the preparation of cosmetics. 230,428; July 19.
Kokomo Rubber Company, Kokomo, Ind. Rubber tires and inner tubes. 230,409; July 19.
Kommanditbolaget Spis- & Knäckebrödsfabriken Kronan, Barthel Kock, Sundbyberg, Sweden. Bread. 230,207; July 19; Serial No. 227,022; published May 10, 1927.
Kozik, John M., Hudson, Pa. Beverages. 230,438; July 19.
Kroger Grocery and Baking Company, The, Cincinnati, Ohio. Jell powder. 230,384; July 19; Serial No. 245,646; published May 3, 1927.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Lawn seed. 230,387; July 19; Serial No. 245,045; published May 10, 1927.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Sal soda and table salt. 230,451; July 19.
Larabee Flour Mills Company, The, doing business as The Monarch Milling Company, Kansas City, Mo. Wheat flour. 230,337; July 19; Serial No. 240,035; published May 10, 1927.
Lawrence, A. C., Leather Company, Boston, Mass. Leather. 230,244; July 19; Serial No. 245,098; published May 3, 1927.
Lily Foundry Company, Los Angeles, Calif. "Plumbers' and steam-fitters' supplies. 230,359; July 19; Serial No. 236,214; published May 10, 1927.
Lincoln & Bosworth, Providence, R. I. Indigestion powder. 230,249; July 19; Serial No. 245,733; published May 10, 1927.
Lippold, Gottfried L., to Dresdner Reisentensilien- & Lederwarenfabrik G. L. Lippold, Dresden, Germany, successor. Trunks and other traveling receptacles. 29,825; renewed Apr. 13, 1927.
Low, Clarence H., doing business as Flents Products Company, New York, N. Y. Device adapted to be inserted in the auditory canal of the ear to occlude extraneous noises and induce sleep. 230,234; July 19; Serial No. 246,035; published May 3, 1927.
Luipersbek, Frank, Boundbrook, N. J. Wind vanes. 230,374; July 19; Serial No. 245,278; published May 10, 1927.
Luipersbek, Frank, Boundbrook, N. J. Ball-and-socket-banister construction joints. 230,375; July 19; Serial No. 245,277; published May 10, 1927.
Lumbermen's Door & Trim Company, Cleveland, Ohio. Wrapped units of interior wood moldings, etc. 230,223; July 19; Serial No. 244,506; published May 3, 1927.
Macfadden Publications Incorporated, New York, N. Y. Cartoons or comic strips. 230,241; July 19; Serial No. 245,065; published May 10, 1927.
Manatee County Citrus Sub-Exchange, doing business as Citrus Growers Association, Bradenton, Fla. Fresh citrous fruits. 230,299; July 19; Serial No. 243,614; published May 10, 1927.
Marine Journal Co., The, New York, N. Y. Publication. 230,261; July 19; Serial No. 246,840; published May 10, 1927.
Marshall Field & Company, Chicago, Ill. Rugs. 230,400; July 19.
Marshall Field & Company, Chicago, Ill. Rugs. 230,405–6; July 19.
Martoccio, F. A., Company, Minneapolis, Minn. Candy bars. 230,216; July 19; Serial No. 246,300; published May 10, 1927.
Master Lock Company, Milwaukee, Wis. Locks. 230,311; July 19; Serial No. 237,181; published May 10, 1927.
Matthiessen & Hegeler Zinc Company, La Salle, Ill. Zinc rods. 230,268; July 19; Serial No. 246,353; published May 10, 1927.
McCreery, James, & Co., assignor, by mesne assignments, to James McCreery & Company, New York, N. Y. Shirts, collars, and cuffs. 30,179; renewed June 15, 1927.
McIlvain, Louis E., Chicago, Ill. Monthly magazine. 230,381; July 19; Serial No. 245,445; published May 10, 1927.
McLarens Limited, Hamilton, Ontario, Canada. Jelly powder. 230,231; July 19; Serial No. 244,705; published May 3, 1927.
McQuiddy Printing Company, Nashville, Tenn. Monthly magazine. 230,380; July 19; Serial No. 245,446; published May 10, 1927.
Metals Protection Corporation, Indianapolis, Ind. Anodes for use in chromium plating. 230,304; July 19; Ser. No. 243,872; published Apr. 26, 1927.
Mex Company. (See Saunders, Harvey B.)
Miller-Roth, Incorporated, Pittsburgh, Pa. Publication. 230,390; July 19; Serial No. 245,854; published May 10, 1927.
Moline Implement Company, Moline, Ill. Agricultural implements. 230,383; July 19; Serial No. 245,650; published May 10, 1927.
Monarch Milling Company, The. (See Larabee Flour Mills Company, The.)
Montgomery, James, Mauckport, Ind. Table sirup. 230,377; July 19; Serial No. 245,507; published May 3, 1927.
National Tube Company, Pittsburgh, Pa. Metal pipes, tubes, and pipe couplings. 230,353; July 19; Serial No. 232,686; published May 10, 1927.
New Jersey Lime Products Corporation, New York, N. Y. Lime and limestone for construction purposes. 230,316; July 19; Serial No. 242,490; published May 3, 1927.
Nicholson Thackray Company, The, Pawtucket, R. I. Canned crab meat, berries, wheat flour, canned vegetables, pickles, etc. 230,302; July 19; Serial No. 243,723; published May 3, 1927.
Old Trusty Dog Food Company, Needham Heights, Mass. Dog food. 230,196; July 19; Serial No. 244,093; published May 10, 1927.
Oliver-Finnie Co., Memphis, Tenn. Foods. 64,921; renewed Aug. 27, 1927.
Ordway, Jesse H., doing business as Smoothtex Company, Worcester, Mass. Comber noils mixture for use for cleaning purposes. 230,396; July 19; Serial No. 245,746; published May 3, 1927.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 230,258; July 19; Serial No. 246,562; published May 10, 1927.
Orlind, Harry A., Camden, N. J. Preparation for colds, coughs, etc. 230,416; July 19.
Pace, Homer S., New York, N. Y. Magazine. 230,276; July 19; Serial No. 246,621; published May 10, 1927.
Pacific Coast Talc Company, Los Angeles, Calif. Talc. 230,312; July 19; Serial No. 242,247; published May 3, 1927.
Pacific Orient Co., San Francisco, Calif. Baled newspaper. 230,305; July 19; Serial No. 243,877; published Apr. 26, 1927.
Palais Royal, Inc., The, Washington, D. C. Toilet waters, perfumes, tooth paste, etc. 230,197; July 19; Serial No. 244,097; published May 3, 1927.
Pearl Coffee Company, The, Akron, Ohio. Coffee. 230,290; July 19; Serial No. 242,330; published May 10, 1927.
Pennsylvania Chocolate Company, Pittsburgh, Pa. Cocoa. 230,199; July 19; Serial No. 159,528; published May 3, 1927.
Phister Manufacturing Company, The, Cincinnati, Ohio. Fire extinguishers and parts therefor. 230,224; July 19; Serial No. 244,513; published May 10, 1927.
Pioneer Rubber Mills, San Francisco, Calif. Rubber and fabric belting and rubber packing. 230,216; July 19; Serial No. 244,180; published May 10, 1927.
Pittsburg and Midway Coal Mining Company, The, Kansas City, Mo. Coal. 230,356; July 19; Serial No. 235,784; published May 3, 1927.
Poland Soap Works, Anniston, Ala. Soaps and washing powder. 230,254; July 19; Serial No. 246,200; published May 10, 1927.
Portland Manufacturing Co., Portland, Oreg. Plywood, veneered and laminated. 230,411; July 19.
Prairie Farmer Pub. Co., The, Chicago, Ill. Periodical. 230,265; July 19; Serial No. 246,930; published May 10, 1927.
Purcell, Frank, to Frank Purcell Walnut Lumber Co., Kansas City, Mo., successor. Hardwoods both in sawed and log forms. 30,312; renewed June 29, 1927.
Queen City Bottling Co., The, Cincinnati, Ohio. Vichy. 230,250; July 19; Serial No. 245,750; published May 10, 1927.
Ransom & Randolph Co., The, Toledo, Ohio. Hypodermic needles. 230,424; July 19.
Rasch & Gainor, Baltimore, Md. Shade cloth. 230,277; July 19; Serial No. 246,630; published May 10, 1927.
Reiss & Brady, assignor to Cresca Company Incorporated, New York, N. Y. Dried fruits. 59,928; renewed Jan. 22, 1927.
Reno Specialty Company, Reno, Nev. Powder for cleaning artificial teeth. 230,295; July 19; Serial No. 228,441; published May 10, 1927.
Reynolds, Ralph V., Chicago, Ill. Metal hanger or rack. 230,446; July 19.
Richlite Products Co., The, Cleveland, Ohio. Marshmallows. 230,245; July 19; Serial No. 211,679; published May 10, 1927.
Richter, Friedrich A., Rudolstadt, Germany, and New York, assignor, by mesne assignments, to F. Ad. Richter & Co., Brooklyn, N. Y. Remedy for certain diseases. 62,901; renewed June 4, 1927.
Riley Stoker Corporation, Worcester, Mass. Pulverizers for industrial uses. 230,317; July 19; Serial No. 242,619; published May 10, 1927.
Roberts, Cora L., doing business as Columbia Manufacturing Company, Fort Worth, Tex. Chemical composition. 230,401; July 19.
Rodgers, Joseph, & Sons, Limited, Sheffield, England. Manufactures of silver. 63,051; renewed June 4, 1927.

Rodgers, Joseph, & Sons, Limited, Sheffield, England. Cutlery in general. 63,409; renewed June 18, 1927.
Rodgers, Joseph, & Sons, Limited, Sheffield, England. Cutlery in general. 64,169; renewed July 30, 1927.
Rossell, J. D., Company, Peoria, Ill. Pasteurized milk. 230,193; July 19; Serial No. 227,910; published May 10, 1927.
Rotawasher Corporation, The, Cleveland, Ohio. Machines for washing cars, trucks, and other vehicles. 230,274; July 19; Serial No. 246,506; published May 10, 1927.
Rowntree & Company, Limited, York, England. Cocoa, chocolate, candy, etc. 230,315; July 19; Serial No. 242,441; published May 3, 1927.
Rubber and Celluloid Products Company, Newark, N. J. Toothbrushes. 230,437; July 19.
Rushton, Norman, San Francisco, Calif. Publication. 230,303; July 19; Serial No. 243,785; published May 10, 1927.
Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 230,237–8; July 19; Serial Nos. 246,179–80; published May 10, 1927.
Safety Products Corporation, St. Louis, Mo. Hydraulic brake appliances, master cylinders, and leakproof wheel cylinders. 230,376; July 19; Serial No. 245,518; published May 10, 1927.
Sal-Phenine Laboratories Inc., Dayton, Ohio. Medicine for the relief of pain. 230,279; July 19; Serial No. 246,712; published May 10, 1927.
Sanitary Food Manufacturing Company, St. Paul, Minn. Crackers, cakes, cookies, preserves, etc. 230,336; July 19; Serial No. 239,771; published May 3, 1927.
Santoris Company, The, St. Paul, Minn. Medicinal preparation. 230,340; July 19; Serial No. 240,445; published May 10, 1927.
Saunders, Harvey B., doing business as Mex Company, Chicago, Ill. Hairdressing. 230,280; July 19; Serial No. 246,713; published May 10, 1927.
Sawyer, Alvin P., assignor, by mesne assignments, to Edward C. Sawyer, Chicago, Ill. Liver remedy. 60,982; renewed May 28, 1927.
Sawyer, Alvin P., assignor, by mesne assignments, to Edward C. Sawyer, Chicago, Ill. Remedy for diseases peculiar to women. 64,264; renewed July 30, 1927.
Scadron, Joseph, assignor to U. S. Bifocal Corporation, New York, N. Y. Ophthalmic lenses and frames and mountings therefor. 230,334; July 19; Serial No. 237,823; published May 10, 1927.
Schaefer & Murray, New York, N. Y. Ladies' hand bags. 230,233; July 19; Serial No. 245,927; published May 10, 1927.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Insoles. 230,218; July 19; Serial No. 244,244; published May 10, 1927.
Schroeder, Henry L., Chicago, Ill. Bakers' equipment. 230,423; July 19.
Sears, Roebuck and Co., doing business as Clinton Cartridge Company, Chicago, Ill. Shotgun shells. 230,259; July 19; Serial No. 246,852; published May 10, 1927.
Sebring Pottery Company, The, Sebring, Ohio. Porcelain and chinaware. 230,442; July 19.
Seipel, Ralph H., doing business as Seipel Food Products Company, Pittsburgh, Pa. Ice-cream confections and confections consisting of pastry shells filled with custard. 230,201; July 19; Serial No. 197,906; published May 3, 1927.
Seis, Schwab & Company, Chicago Ill. Leather boots and shoes. 65,864–6; renewed Oct. 29, 1927.
Sierra Madre-Lamanda Citrus Association, Lamanda Park, Calif. Oranges, lemons, and grapefruit. 230,350; July 19; Serial No. 234,537; published Sept. 7, 1926.
Sliten, Ernst, Berlin, Germany. Electrically-driven small compressors and inhaling apparatus. 230,382; July 19; Serial No. 245,663; published May 3, 1927.
Simonds Saw and Steel Company, Fitchburg, Mass. Saws and machine knives. 230,373; July 19; Serial No. 245,302; published May 10, 1927.
Smidth, F. L., & Co., New York, N. Y. Clinker coolers for rotary cement kilns. 230,364; July 19; Serial No. 245,110; published May 10, 1927.
Smith Cannery Machines Company, Seattle, Wash. Fish-dressing machines. 65,366; renewed Sept. 24, 1927.
Smoothtex Company. (See Ordway, Jesse H.)
Sommers, G., & Company, St. Paul, Minn. Baking dishes, boilers, cake pans, coffeepots, etc. 230,251; July 19; Serial No. 245,759; published May 10, 1927.
Southern California Iron & Steel Company, Huntington Park, Calif. Bolts, screws, rivets, nuts, etc. 230,319; July 19; Serial No. 243,067; published May 10, 1927.
Sparta Ceramic Company, The, East Sparta, Ohio. Tiles. 230,220; July 19; Serial No. 244,327; published May 3, 1927.
Sperry & Barnes Company, The, Long Wharf, New Haven, Conn. Pork sausage, frankforts, and bologna. 230,412; July 19.
Stanco Distributors, Inc., New York, N. Y. House organ. 230,281; July 19; Serial No. 246,716; published May 10, 1927.
Standard Neckwear Company, Boston, Mass. Neckties and cravats. 230,415; July 19.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Metal angles, metal arrows, bells for toys, dog collars, etc. 230,200; July 19; Serial No. 185,154; published May 10, 1927.
Stover Steel Tank & Mfg. Co. (See Held, Roy J.)
Sukert, Philip H., Chicago, Ill. Moistening devices equipped with transparent cigar-box covers. 230,441; July 19.
Surpass Leather Company, Philadelphia, Pa. Leathers. 230,320; July 19; Serial No. 243,120; published Apr. 26, 1927.
Swingspout Measure Company, Los Angeles, Calif. Swingspout oil measures. 230,433; July 19.
Tarrant Company, The, New York, N. Y. Laxative medicines. 230,389; July 19; Serial No. 245,871; published May 10, 1927.
Textile Publishing Company, New York, N. Y. Magazine. 230,282; July 19; Serial No. 246,722; published May 10, 1927.
Theonett & Co., Chicago, Ill. Beverage and sirups, extracts, and concentrates for making the same. 230,432; July 19.
Thomas, Errold B., Boston, Mass. Cellulosic material in sheet or layer form. 230,341; July 19; Serial No. 240,630; published May 3, 1927.
Tipton, Gerald A., Quincy, Ill. Manicure sets. 230,362; July 19; Serial No. 245,235; published May 10, 1927.
Trappey, B. F., & Sons, Jeanerette, La. Pepper sauce. 230,395; July 19; Serial No. 245,762; published May 3, 1927.
Troy Record Company, The, Troy, N. Y. Newspaper articles. 230,262; July 19; Serial No. 246,859; published May 10, 1927.
Troy Record Company, The, Troy, N. Y. Newspaper. 230,263; July 19; Serial No. 246,860; published May 10, 1927.
Tule River Citrus Association, Success, Calif. Fresh citrous fruits. 230,332; July 19; Serial No. 237,712; published Jan. 18, 1927.
Union Card & Paper Co., New York, N. Y. Writing, bond, and ledger paper. 60,914; renewed Feb. 26, 1927.
Union Special Machine Company, Chicago, Ill. Sewing machines and parts thereof. 230,235; July 19; Serial No. 246,185; published May 10, 1927.
U. S. Bifocal Corporation. (See Scadron, Joseph, assignor.)
Utica Duxbak Corporation. (See Bird, Jones & Kenyon, assignors.)
Utility Manufacturing Company, Inc., Baltimore, Md. Wire kitchen utensils. 230,394; July 19; Serial No. 245,766; published May 10, 1927.
Vacuum Can Company, Chicago, Ill., assignor to General Chromium Corporation, Detroit, Mich. Chromium plate. 230,300; July 19; Serial No. 243,631; published May 3, 1927.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Clay used as a filler in the manufacture of paper, paints, and rubber products. 230,313; July 19; Serial No. 242,357; published Apr. 26, 1927.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Pyrophyllite or talc used as a filler in the manufacture of paper, paints, and rubber products. 230,314; July 19; Serial No. 242,359; published Apr. 26, 1927.
Van Landingham Co., The, Los Angeles, Calif. Canned fish, fruits, and vegetables. 230,205; July 19; Serial No. 223,978; published June 22, 1926.
Venus Corporation, The, New York, N. Y. Sanitary napkins. 230,366; July 19; Serial No. 230,958; published June 8, 1926.
Victor Manufacturing & Gasket Co., Chicago, Ill. Sheet asbestos. 230,194–5; July 19; Serial No. 228,151–2; published May 10, 1927.
Victor Manufacturing & Gasket Co., Chicago, Ill. Sheet asbestos. 230,291; July 19; Serial No. 228,153; published May 10, 1927.
Wallace Asthma Cure Company, The, to The Wallace Asthma Remedy Company, Philadelphia, Pa. Remedy for bronchitis and asthma. 30,755; renewed Oct 26, 1927.
Walton, F. S., Company, Philadelphia, Pa. Dressings for leather belting. 65,093; renewed Sept. 10, 1927.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Ladies' hand bags. 230,335; July 19; Serial No. 237,995; published May 10, 1927.
Washburn Crosby Company, Minneapolis, Minn. Rye flour. 230,227; July 19; Serial No. 244,584; published Apr. 26, 1927.
Washington Jewelry Company, Boston, Mass. Telescopes. 230,239; July 19; Serial No. 246,187; published May 10, 1927.
Weaver-Henry Mfg. Co., Los Angeles, Calif. Asphalt-coated composition or paper shingles for roofing, roofing paper. 230,338; July 19; Serial No. 240,283; published Apr. 26, 1927.
West, Benjamin F., Salem, Oreg. Confection. 230,393; July 19; Serial No. 245,768; published May 10, 1927.
Western Construction News, Inc., San Francisco, Calif. Semimonthly magazines. 230,232; July 19; Serial No. 244,806; published May 10, 1927.
Wheat Fruit Cereal Company, West Orange, N. J. Bread. 230,283; July 19; Serial No. 246,793; published May 10, 1927.
Whelan, Mary C., assignor to Sarah Carrick, Washington, D. C. Toilet preparations. 66,211; renewed Nov. 12, 1927.
White Mule, Inc., Carbondale, Ill. Tire patches. 230,208; July 19; Serial No. 227,206; published May 10, 1927.

Wickwire Spencer Steel Company, New York, N. Y. Perforated sheet metal. 230,363; July 19; Serial No. 245,130; published May 3, 1927.
Williams, H. J., & Co., Buffalo, N. Y. Clamps, strap clamps, etc. 230,447; July 19.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Publication. 230,269; July 19; Serial No. 246,375; published May 10, 1927.
Williamsport Mirror and Glass Company, Williamsport, Pa. Flat glass, silvered and unsilvered. 230,357; July 19; Serial No. 231,223; published Apr. 5, 1927.
Winchester Repeating Arms Company, New Haven, Conn. Radiators for automotive vehicles and parts thereof. 230,286; July 19; Serial No. 241,760; published May 10, 1927.
Wood, John T., New York, N. Y. Magazine. 230,284; July 19; Serial No. 246,799; published May 10, 1927.
Woodworth, Inc., New York and Rochester, N. Y. Face creams. 230,246; July 19; Serial No. 245,417; published May 10, 1927.
"Y & B" Corporation, The, Charlotte, N. C. Dairy products. 230,368; July 19; Serial No. 234,809; published May 10, 1927.
Young, Anthony G., assignor to Companion Publishing Company, Inc., New York, N. Y. Publications. 230,369; July 19; Serial No. 235,767; published May 10, 1927.
Zerega's, A., Sons, Consolidated, New York, to A. Zerega's Sons, Consolidated, Brooklyn, N. Y. Spaghetti, vermicelli, macaroni, and noodles. 65,236; renewed Sept. 17, 1927.
Zoss Ladder Works, Portland, Oreg. Lumber. 230,439; July 19.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Amend, Fred W., Co., Chicago, Ill. Chuckles. For Candy. 32,453; July 19.
Anaheim Orange & Lemon Ass'n, Anaheim, Calif. Delicia. For Oranges. 32,454; July 19.
Blechman, Ely, doing business as Floroma Laboratories (Not Incorporated), Chicago, Ill. Fleur De Orient Toilet Water. For Toilet Water. 32,455; July 19.
Blechman, Ely, doing business as Floroma Laboratories (Not Incorporated), Chicago, Ill. Blechman's Special Foaming Hair Tonic. For Hair Tonic. 32,456; July 19.
Blue Anchor Malt Distributing Co. (See Kasser, H.)
California Medicinal Wine Co. (See Val Bros.)
Educator Food Products Sales Co. (See Nelson, Fred W.)
Floroma Laboratories (Not Incorporated). (See Blechman, Ely.)
Frank's Malt Stores. (See Del Greco, Francis.)
Fratelli Branca & C., Milan, Italy. Fernet-Branca. For a Medicinal Preparation—Namely, an Anticholera and Tonic Remedy. 32,457; July 19.
California Canneries Company, San Francisco, Calif. Lusk's Luscious. For Canned Fruits for Salad. 32,458; July 19.
Chocolate Products Co., Chicago, Ill. More Health. For Chocolate Sirup. 32,459; July 19.
Citrus Fruit Ass'n. of Ontario, Ontario, Calif. Bear. For Oranges. 32,460; July 19.
Del Greco, Francis, doing business as Frank's Malt Stores, Akron, Ohio. Arctic Malt Extract. For Malt Extracts for Food Purposes. 32,461; July 19.
Del Greco, Francis, doing business as Frank's Malt Stores, Akron, Ohio. Camel Malt Extract. For Malt Extracts for Food Purposes. 32,462; July 19.
"It" Products Co., Los Angeles, Calif. Unoit. For Soap. 32,463; July 19.
Jevne, H., Co., Los Angeles, Calif. Parachute. For Oranges. 32,464; July 19.
Jevne, H., Co., Los Angeles, Calif. Pot-O'-Gold. For Oranges. 32,465; July 19.
Kasser, H., doing business as Blue Anchor Malt Distributing Co., Philadelphia, Pa. Blue Anchor. For Malt Sirup. 32,466; July 19.
Lantz Bros. Baking Co., St. Louis, Mo. Grandma's. For Cakes. 32,467; July 19.
Merchie, Frank, Moline, Ill. E-Z Furniture Finish. For Liquid Polish for Leather and for Varnished and Similar Surfaces. 32,468; July 19.
Munro, Ltd., Honolulu, Hawaii. Royal Hawaiian Fruits. For Canned Pineapple Jam. 32,469; July 19.
Nelson, Fred W., doing business as Educator Food Products Sales Co., Clifton and Dallas, Tex. President Lincoln. For Coffee, Tea, and Spices. 32,470; July 19.
Noma Electric Corporation, New York, N. Y. Noma Decorative Lighting Outfit. For Christmas-Tree Outfits. 32,471; July 19.
Penick & Ford Limited Incorporated, New Orleans, La. Golden Hill. For Corn Sirup and Sorghum Blend. 32,472; July 19.
Roberts-Frink Company, The, Norwich, Conn. Amie Jane Chocolate Cocoanut Creme. For Candy. 32,473; July 19.
Schoenhut, A., Company, The, Philadelphia, Pa. Schoenhut's Submarine Game. For a Game. 32,474; July 19.
Schoenhut, A., Company, The, Philadelphia, Pa. Schoenhut's Jass Orchestra Bells. For Jazz Orchestra Bells. 32,475; July 19.
Stevens, Ernest J., Chicago, Ill. The Stevens. For Cigars. 32,476; July 19.
Tietzema, Tim, Oviedo, Fla. Florida Honey. For Honey. 32,477; July 19.
Tim's Cap Corporation, New York, N. Y. Tim's Cap. For Tim's Caps. 32,478; July 19.
Val Bros., doing business as California Medicinal Wine Co., Los Angeles, Calif. California Padres. For Wine Elixir Tonic. 32,479; July 19.
Watkins, Arthur E., Des Moines, Iowa. Keystone Valet Face Powder. For a Face Powder. 32,480; July 19.
Weber Bros. Co., Passaic and Newark, N. J. Jiffy Malt. For a Liquid Chocolate-Flavored Malted Milk. 32,481; July 19.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Buy Fit—Wear—Coolness—Comfort! For Athletic Underwear. 10,064; July 19.
B. V. D. Company, Inc., The, New York, N. Y. Good Fit and Good Feeling. For Athletic Underwear. 10,065; July 19.
B. V. D. Company, Inc., The, New York, N. Y. When the Weather Man Falls Down. For Athletic Underwear. 10,066; July 19.
B. V. D. Company, Inc., The, New York, N. Y. Join the Cool-Club! For Athletic Underwear. 10,067; July 19.
Black, Starr & Frost, New York, N. Y. A Graceful Interpretation of the Current Mode is Offered in This Ornament Created By Black, Starr & Frost. For Jewelry. 10,062; July 19.
Browne, Stewart R., Mfg. Co., Inc., New York, N. Y. Results Count. For Gaskets and Packings and Similar Products. 10,063; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Clown Juggler. For Inks. 10,071; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Coach. For Printing Inks. 10,072; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Ink Cans. For Inks. 10,073; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Jockey. For Inks. 10,074; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Locomotive. For Printing Inks. 10,075; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Professor. For Inks. 10,076; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Steamboat. For Printing Inks. 10,077; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Stephen Girard. For Printing Inks. 10,078; July 19.
Charles Eneu Johnson and Company, Philadelphia, Pa. Tiger. For Inks. 10,079; July 19.
Closset & Devers, Portland, Oreg. A Famous Coffee With a Famous Name. For Coffee. 10,068; July 19.
Cream Of Wheat Co., Minneapolis, Minn. The Hardest Crop to Raise! For Wheat Breakfast Food. 10,069; July 19.
Emmerich, Chas., & Co., Chicago, Ill. The Rest of The World is Yours. For Pillows. 10,070; July 19.
Piston Ring Company, The, Muskegon, Mich. Mike O'Meter. For Piston Rings. 10,080; July 19.
Taylor, Thomas D., Philadelphia, Pa. Today Only. For Prints. 10,081; July 19.
Tim's Cap Corporation, New York, N. Y. Tim's. For Tim's Caps. 10,082; July 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Brick Company, Fort Worth, Tex. Brick. 249,458; July 19.
Acushnet Process Company, Acushnet, Mass. Golf tees. 250,590; July 19.
Adels, Louis, doing business as Sleda Watch Company, New York, N. Y. Movements and cases for watches. 250,151; July 19.
Ally Company, Inc., Port Washington, N. Y. Apparatus for making emulsions of oil and water. 232,060; July 19.
Aluminum Company of America, Pittsburgh, Pa. Duplex aluminum and aluminum-base alloys. 249,691; July 19.
Amendola Brothers, Inc., doing business as Amendola's Laboratories, New Haven, Conn. Hair tonic and hair-dressing. 248,870; July 19.
American Armor Company, New York, N. Y. Ferrous metals and metal armor for vehicles and ships and structural elements. 232,646; July 19.
American Baby Chick Producers Association, Peoria, Ill. Live baby chicks. 234,243; July 19.
American Bread Wrapper Company, Chicago, Ill. Printed paper wrappers. 230,705; July 19.
American Reforestation Association, Los Angeles, Calif. Periodical and books. 235,873; July 19.
Andelenis, Speros, New York, N. Y. Cigarettes. 230,910; July 19.
Ant-I-Wet Corporation, New York, N. Y. Men's and boys' clothing. 245,076; July 19.
Archers Company, The. (See Rounsevelle, Phillip.)
Ashton & Co. (Estd. 1787) Limited, Manchester, England. Cotton piece goods. 249,773; July 19.
Associated Portland Cement Manufacturers, Limited, The, London, England. Portland cement. 249,253; July 19.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics. 247,115–6; July 19.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics. 248,468; July 19.
B. and H. Engineering Laboratories, Oakland, Calif. Belt and brake dressing. 230,709; July 19.
Babys Sieved Vegetable Co., Seattle, Wash. Canned vegetables, fruits, and cereals. 247,245; July 19.
Badger Grains and Feed Co., Milwaukee, Wis. Stock feed. 249,565; July 19.
Bailey-Schmitz Co. Inc., Los Angeles, Calif. Mattresses. 248,272; July 19.
Baker Drug Company, Portland, Oreg. Lung, throat, and bronchial medicine. 250,429; July 19.
Baltimore and Ohio Railroad Company, Baltimore, Md. Booklets, circulars, pamphlets, and calendars. 249,403; July 19.
Balveat Manufacturing Company, The. Mansfield, Ohio. Mattresses, box springs, and bed pillows. 249,692; July 19.
Banks, Charles L., St. Louis, Mo. Files and shear grinders. 250,219; July 19.
Banner Wholesale Grocery Co., Chicago, Ill. Canned vegetables, fish, fruit, and berries. 249,566; July 19.
Barlow & Jones, Limited, Manchester, England. Towels, bath mats, curtains, quilts, etc. 248,873; July 19.
Baron, H., & Co., Inc., New York, N. Y. Crushed fruits and sundaes and toppings in bulk for use in ice cream. 225,863; July 19.
Baulig, Theodore F., Egg Harbor City, N. J. Pyjamas, union suits, undershirts, and drawers. 249,832; July 19.
Bay Company, The, Bridgeport, Conn. Surgical dressings, gauze products, adhesive products, etc. 244,272–3; July 19.
Bear Glacé Fruit Co., San Francisco, Calif. Glacé fruit. 246,999; July 19.
Bedell Company, The, New York, N. Y. Leather, hand, money, change, and traveling bags. 241,806; July 19.
Belknap Hardware & Manufacturing Company, Louisville, Ky. Ice-cream freezers. 249,941; July 19.
Bell-O-Sal-M'fg. Co. (See Kroser, Harry Z.)
Benrose Silk Mfg. Corp., New York, N. Y. Silk piece goods. 250,112; July 19.
Bianchini, Ferier, Lyon, France. Piece goods of silk, wool, cotton, etc. 247,670; July 19.
Bickley, J. W., doing business as A. F. Bickley & Son, Philadelphia, Pa. Oleomargarine. 249,040; July 19.
Bierfeld, Louis, Company, Not Inc., Chicago, Ill. Mirrors. 247,954; July 19.
Bilt-Rite Baby Carriage Co., Brooklyn, N. Y. Baby carriages. 250,674; July 19.
Blank, George W., Philadelphia, Pa. Buttons. 244,209; July 19.
Blechman, S., & Sons, Inc., New York, N. Y. Rubber sheeting. 247,256; July 19.
Blek Co. Mfgrs., Maplewood, Mo. Garters. 249,042; July 19.
Blue Seal Extract Co., Cambridge, Mass. Ginger ale and syrups used in making the same. 250,487; July 19.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 246,588; July 19.
Blumenthal, Sidney, & Co. Inc. New York, N. Y. Pile fabrics. 246,590; July 19.
Booth, F. E., Co., San Francisco, Calif. Canned fruits, fish, and vegetables. 249,498; July 19.
Boston & Lockport Block Company, East Boston, Mass. Heavy hardware. 238,568; July 19.
Bourjois, Inc., New York, N. Y. Perfume, toilet water, face powder, and sachet. 247,594; July 19.
Bradley Knitting Company, Delavan, Wis. Knitted sport coats for women. 248,549; July 19.
Bridgeport Chain Company, The, Bridgeport, Conn. Upholstery springs and spring fillers. 249,111; July 19.
Britenall Manufacturing Co., Inc., New York, N. Y. Detarnishing, cleaning, and polishing compound for metal ware. 247,673; July 19.
Broeker, Ewald, Elizabeth, N. J. Beverages sold as soft drinks and sirups for making the same, etc. 250,060; July 19.
Brohman Company, New York, N. Y. Dresses, blouses, underwear, etc. 244,814; July 19.
Bronx Mineral Water Co. Inc., New York, N. Y. Beverages sold as soft drinks and sirups for making the same. 250,158; July 19.
Brooks Tent & Awning Company, The. Denver, Colo. Cloth for all articles designed or used for protection of human beings, animals, or property from the elements, weather, etc. 248,671; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,368; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,370; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,372–4; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,376–7; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Snuff. 250,380; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,382–3; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,385; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco. 250,387–90; July 19.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Snuff. 250,393–4; July 19.
Bruhnke Bros., Chicago, Ill. Beverages sold as soft drinks and extracts for making the same. 249,945; July 19.
Bry, M. Edwin, and Bro., New York, N. Y. Silks, satins, cotton fabrics, and collar cloth. 248,750; July 19.
California Cyanide Company, Los Angeles, Calif. Fumigating compounds. 250,598–600; July 19.
Canada Biscuit Company, Limited, London, Canada. Biscuits. 247,311; July 19.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Packaged ginger ale. 232,187; July 19.
Canfield, Carl R., doing business as Canfield Chemical Co., Chicago, Ill. Douche powder. 250,227; July 19.
Carver File Company, doing business as Delta File Works, Philadelphia, Pa. Files. 245,829; July 19.
Cello, Inc., New York, N. Y. Electric lamps. 249,154; July 19.
Cellucotton Products Company, Neenah, Wis., assignor to Kotex Company, Chicago, Ill. Absorbent pads or sheets for removing cold cream. 228,804; July 19.
Central West Laboratories, Chicago, Ill. Ointment. 249,704; July 19.
Chabeso-Gesellschaft m. b. H., Nuremberg, Germany. Beverages sold as soft drinks. 246,815; July 19.
Champion de Arment Tool Company, Meadville, Pa. Hammers. 246,886; July 19.
Champion de Arment Tool Company, Meadville, Pa. Wrenches. 246,887; July 19.
Chanel, Inc., New York, N. Y. Perfume, toilet water, and face powder. 250,162–3; July 19.
Charlton Woolen Company, Charlton, Mass. Chinchilla cloth. 246,665; July 19.
Chein, Elizabeth H., Harrison, N. J. Toy wagons, carts, automobiles, etc. 247,169; July 19.
Chicago Gum Tape Company, Chicago, Ill. Gummed and ungummed paper sealing, veneer, and stay tapes. 246,331; July 19.
Chicago Nipple Manufacturing Co. of California, Los Angeles, Calif. Cores for pneumatic-tire valves. 246,077; July 19.
Claflin Flour Mills, The. (See Colorado Milling & Elevator Co., The.)
Clark & Phinisey Company, Clare, Mich. Polish for automobile bodies, etc. 248,347; July 19.
Clarke, Harry C., & Co., Enst Pittsburgh, Pa. Preparation for polishing silver, nickel, brass, aluminum, and copper. 248,673; July 19.

Clement, Geo. B., Meridian, Miss. Mouth wash and toothpaste. 248,953; July 19.
Clemetsen Company, The, Chicago, Ill. Desks, filing cabinets, and parts thereof. 244,743; July 19.
Cochenour, Cecil E., Little Rock, Ark. Hair tonic. 247,410; July 19.
Cohn-Hinmel Company, Buffalo, N. Y. Suits, coats, pants, knickers, and overcoats. 249,572; July 19.
Colgate & Company, Jersey City, N. J., and New York, N. Y. Soap. 250,011; July 19.
Colgate & Company, Jersey City, N. J. Soap flakes. 250,012; July 19.
Colorado Milling & Elevator Co., The, Denver, Colo., also doing business as The Claflin Flour Mills, Claflin, Kans. Wheat flour. 250,296; July 19.
Columbia Garment Co., Inc., New York, N. Y. Coats for women and misses. 249,324; July 19.
Columbus Dental Mfg. Co., The, Columbus, Ohio. Glazing compound for porcelain bodies. 232,189; July 19.
Comer Manufacturing Company, The, Dayton, Ohio. Preparation to prevent and destroy moth. 247,263; July 19.
Conrad Shoe Company, Brockton, Mass. Leather boots and shoes. 242,879; July 19.
Consolidated Iron-Steel Manufacturing Company, The, Cleveland, Ohio. Joist and wall hangers, post caps and bases. 249,892; July 19.
Cook's, Adam, Sons, Inc., New York, N. Y. Lubricating greases. 243,751; July 19.
Cooper, Benjamin, New York, N. Y. Shoe laces. 248,223; July 19.
Corbitt, Thomas C., Washington, D. C. Imitation fruit-flavored sirups for soft drinks and soda water. 249,264; July 19.
Covina Food Products Co., Covina, Calif. Specially-prepared rice food. 250,390; July 19.
Crane, Edward J., Chippewa Falls, Wis. Seeds of all kinds. 249,045; July 19.
Crofut & Knapp Co., The, South Norwalk, Conn. Hats. 249,265; July 19.
Cupples Company Manufacturers, St. Louis, Mo. Jar rings. 226,338; July 19.
Daily Review Corporation, Rockville Center, N. Y. Newspapers. 250,231; July 19.
Darrah, Lydia, Candy Shops, Inc., Minneapolis, Minn. Candies. 249,913; July 19.
Dayton Company, The, Minneapolis, Minn. Misses' and women's leatherette coats. 248,956; July 19.
De Coerber Pharmaceutical Laboratories. (See Koeltze, Carl.)
Delta File Works. (See Carver File Company.)
Denver Equipment Company, Denver, Colo. Agitators, ball mills, classifiers, conditioners, coolers, etc. 247,416; July 19.
De Rabago, Andrés D., & Compañia, Puebla del Caraminal, near Coruna, Spain. Canned goods and salted fish. 247,462–3; July 19.
Derma-Rex Company, The, Baltimore, Md. Ointment for the treatment of skin diseases. 248,479; July 19.
De Soto Chemical Co., Inc., Arcadia, Fla. Roach, ant, rat, and mouse exterminator. 231,988; July 19.
De Ville, Augustus B., Cleveland, Ohio. Arch supports. 249,646–7; July 19.
Dickins, Hasseltine M., Brooklyn, N. Y. Toy animals. 249,574; July 19.
Dickinson, Albert, Company, The, Chicago, Ill. Hulled and cleaned popping corn. 248,664; July 19.
Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 249,894; July 19.
Dog and Cat Drug Stores, Inc., The, Baltimore, Md. Periodical. 249,842; July 19.
Dormont Company. (See Goldberg, Max.)
Dougherty, A., New York, N. Y. Playing cards. 250,615–16; July 19.
Duplan Silk Corporation, New York, N. Y. Piece goods of silk, rayon, and mixtures of these materials. 250,491–2; July 19.
Duplan Silk Corporation, New York, N. Y. Piece goods of silk, rayon, and mixtures of these materials. 250,494–5; July 19.
Duratite Putty Company. (See Papenfus, Daniel E.)
Ehrat Cheese Company, Inc., Chicago, Ill. Potato chips. 248,227; July 19.
Ehrat Cheese Company, Inc., Chicago, Ill. Potato chips. 248,482; July 19.
Ellings, Theron N., Inc., Chicago, Ill. Shoes. 247,128; July 19.
Embroidery Manufacturers Association, Inc., Union City, N. J. Publication. 250,302; July 19.
Emery Food Company, Chicago, Ill. Canned corned beef. 243,093; July 19.
Enterprise Tinware Co. Inc., New York, N. Y. Sanitary refuse cans or receptacles. 249,164; July 19.
Eskimo Pie Corporation, Louisville, Ky. Candy covering for frozen confections. 248,483; July 19.
Etablissements Paul Olmer & Cie., Paris, France. Neckties. 243,354; July 19.
Fairly, Giles A., doing business as Madame Elizabeth Company, Des Moines, Iowa. Medicinal preparation. 234,386; July 19.
Famous Dress Company, The, Cleveland, Ohio. Dresses. 248,999; July 19.
Fasan Schuh Gesellschaft m. b. H., Berlin, Germany. Shoes and boots of leather. 250,120; July 19.
Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, and overcoats. 249,517; July 19.
Ferguson, J. L., Company, Joliet, Ill. Packaging machinery. 235,200; July 19.
Field, Alfred, & Co., Inc., New York, N. Y. Golf balls. 248,880; July 19.
Field, G. N., Los Angeles, Calif. Hair restorer. 248,892; July 19.
Fishelov, Irving H., doing business as H. Fishelov & Co., Chicago, Ill. Novelty toys. 249,963; July 19.
Flaster & Biller, New York, N. Y. Ladies' coats, suits, jackets, etc. 249,315; July 19.
Flavour Candy Co., Chicago, Ill. Candy. 248,486; July 19.
Flavour Candy Co., Chicago, Ill. Candy. 249,000; July 19.
Foote & Jenks, Jackson, Mich. Extracts for food flavoring purposes. 250,168; July 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,169–70; July 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,498–501; July 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,504–6; July 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,510–11; July 19.
Fox-Knapp Mfg. Co., New York, N. Y. Flannel, dress, negligee, and work shirts. 248,893; July 19.
Franklin-Kelly Company, The, Chicago, Ill. Carbon paper and typewriter ribbons. 248,562; July 19.
Free & Klinck, Inc., Brooklyn, N. Y. Dried beans, catchup, and chili sauce. 223,634; July 19.
Free & Klinck, Inc., Brooklyn, N. Y. Dried beans, catchup, and chili sauce. 224,241; July 19.
Fritz, George H., & Sons Co., Newark, N. J. Candy and candy bars. 241,097; July 19.
Fuller and Fuller, Los Angeles, Calif. Perfumes, sachets, face powders, etc. 248,095; July 19.
Gabilla, Incorporated, New York, N. Y. Perfumes, lotions, toilet waters and creams, etc. 249,114–15; July 19.
Gary, Theo. H., Co., New York, N. Y. Hairnets. 249,219; July 19.
General Appliance Corporation, Wilmington, Del., and San Francisco, Calif. Sets of electric lights and circuit interrupters for Christmas-tree decoration, electric cigarette lighters, etc. 249,057; July 19.
General Dyestuff Corporation, New York, N. Y. Dyestuffs. 249,116; July 19.
General Industries Company, The, Elyria, Ohio. Spring motors. 249,583–4; July 19.
General Industries Company, The, Elyria, Ohio. Fishline reels. 250,409; July 19.
Getbetter, Inc., Cohoes, N. Y. Yeast tablets. 249,220; July 19.
Giberson, E. D., & Company, Inc., New York, N. Y. Welding wire. 248,631; July 19.
Globe Bottling Co. (See Kanner, Abe.)
Goerlich, John E., Toledo, Ohio. Mufflers and cut-outs for internal-combustion engines and parts of the same. 248,895–6; July 19.
Goldberg, Max, doing business as Dormont Company, New York, N. Y. Appliqué. 247,428; July 19.
Goldenberg's, Washington, D. C. Felt base floor rugs. 245,708; July 19.
Goldring, Harold, Chicago, Ill. Cigars. 249,348; July 19.
Goodman American Ice Cream Company, Chicago, Ill. Ice cream. 248,833; July 19.
Goodrich, B. F., Company, The, New York, N. Y. Bathing caps. 249,849; July 19.
Graham Paper Company, St. Louis, Mo. Book paper. 245,905; July 19.
Grand Rapids Cabinet Company, The, Grand Rapids, Mich. Ice-cream refrigerator cabinets. 249,414; July 19.
Grand Rapids Store Equipment Corporation, Grand Rapids and Sparta, Mich. Store furnishings, fittings, and equipment. 249,063; July 19.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving sets and radio transmitting sets and parts thereof. 231,259; July 19.
Griggs, Cooper & Company, St. Paul, Minn. Mailing envelopes, writing tablets, waxed paper, and wrapping paper. 231,863; July 19.
Griswoldville Mfg. Company, New York, N. Y. Textile fabric for use in medical, surgical, and similar bandages, etc. 249,722; July 19.
Groos-Brennan, Inc., New York, N. Y. Publication. 250,238; July 19.
Gross, L. N., Company, The, Cleveland, Ohio. Dresses. 247,537; July 19.
Gross, L. N., Company, The, Cleveland, Ohio. Dresses. 248,900; July 19.
Gruen Watch Company, The, Time Hill, Cincinnati, Ohio. Watches. 248,901; July 19.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gumport, J. I., & Sons, Inc., New York, N. Y. Cravats, four-in-hand ties, bow ties, mufflers, and reefers. 249,968; July 19.

Guth, Stern & Co., Inc., New York, N. Y. Vacuum bottles. 249,475; July 19.

Haines Hosiery Mills Inc., Philadelphia, Pa. Ladies' hosiery. 248,568; July 19.

Hamilton Manufacturing Company, Two Rivers, Wis. Drafting-room furniture. 249,223; July 19.

Harcourt, Grayel, Newark, Del. Candy. 249,519; July 19.

Harrington, Betty, New York, N. Y. Facial creams, perfumes, and hair tonics. 245,555; July 19.

Harris Company, Inc., The, New York, N. Y. Cotton piece goods. 249,418; July 19.

Hart Company, The, Long Prairie, Minn. Ladies' dresses and men's work shirts and overalls. 248,682; July 19.

Hartley, C. M., Vacaville, Calif. Fresh deciduous fruits. 250,536; July 19.

Hartman Wholesale Corporation, Chicago, Ill. Kitchen cabinets, sectional kitchen cabinets, wall cabinets, etc. 238,973; July 19.

Hawaiian Pineapple Company, Ltd., Iwilei, Hawaii, and San Francisco, Calif. Canned fruits. 250,537; July 19.

Hearst News Service, Inc., New York, N. Y. Motion-picture films. 249,351; July 19.

Henderson Glove Company, Inc., Creston, Iowa. Cotton fabric gloves. 226,195; July 19.

Herrmann, A. S., Inc., New York, N. Y. Face cloths, textile bath mats, bedspreads, towels, etc. 249,586; July 19.

Hershey Chocolate Company, Hershey, Pa. Flavoring for ice cream and other foods. 250,123; July 19.

Hills-McCanna Company, Chicago, Ill. Metal alloys. 229,681; July 19.

Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 248,684–6; July 19.

Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 248,688–91; July 19.

Hoff, Sigurd J., doing business as Keelock Manufacturing Co., New York, N. Y. Keyhole lock. 248,774; July 19.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 250,411; July 19.

Holyoke Card & Paper Company, Springfield, Mass. Writing and printing paper. 246,551; July 19.

Hoover Body Company, York, Pa. Vehicle bodies and parts thereof. 246,903; July 19.

Hospital Specialty Co., The, Cleveland, Ohio. Sanitary neckbands. 249,175; July 19.

House, Jacob, & Sons, Buffalo, N. Y. Beverages, flavoring concentrates, and sirups and extracts for making the same. 250,540; July 19.

Huntington Underwear Company, Hutington, W. Va. Bloomers. 247,319; July 19.

Hurley, Edward T., Cincinnati, Ohio. Bronzes. 243,312; July 19.

Huston, Tom, doing business as Tom Huston Peanut Company, Columbus, Ohio. Fresh or salted peanuts. 241,720; July 19.

I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main and Leverkusen, near Cologne-on-the-Rhine, Germany. Narcotics. 249,580; July 19.

Iceland Medicine Company, Indianapolis, Ind. General tonic. 249,727; July 19.

International Fraternity of Delta Sigma Pi, Chicago, Ill. Fraternity pins, badges, lapel buttons, cuff links, etc. 248,912; July 19.

International Register Company, Chicago, Ill. Cutting machines. 247,539; July 19.

Ishiyama, Shosaku, doing business as Stone Chemical Products Co., Los Angeles, Calif. Paint remover. 234,124; July 19.

"It" Products Co., Los Angeles, Calif. Medicine. 249,067; July 19.

James Manufacturing Company, Fort Atkinson, Wis. Heat-insulating wall board. 248,235; July 19.

Jay-Tee Mfg. Co., The. (See Simon, David.)

Jessop, S. T., Co., Inc., Chicago, Ill. Exhaust operated automobile whistles. 249,426; July 19.

Johnson, E. A., near Gordonsville, Va. Baby chicks, eggs for hatching, and breeding poultry stock. 249,008; July 19.

Johnson, John A., doing business as Sylvania Perfume Co., Philadelphia, Pa. Perfumery. 174,364; July 19.

Jönköpings och Vulcans, Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 249,908; July 19.

Jordan, O. F., Company, East Chicago, Ill. Railway track oiler and spraying machines and railroad spreaders. 249,068; July 19.

Kanner, Abe, doing business as Globe Bottling Co., Los Angeles, Calif. Beverages sold as soft drinks. 250,461; July 19.

Katz & Ogush, Inc., New York, N. Y. Watches, watch-cases, and watch movements. 249,356; July 19.

Kauffmann, F. A., Manufacturing Company, St. Louis, Mo. Sweet apple cider. 250,308; July 19.

Keek Company, Inc., St. Louis, Mo. Toilet water. 250,547; July 19.

Keelock Manufacturing Co. (See Hoff, Sigurd J.)

Kendall Mills Inc., Walpole, Mass. Publication. 231,935; July 19.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Nails. 248,844; July 19.

Kieft, Wm., doing business as Lillian R., Company, San Francisco, Calif. Toilet preparations. 245,726; July 19.

King, Robert P., Ellsworth, Me. Fuel economizer for heating plants. 249,662; July 19.

Kinney, G. R., Co., Inc., New York, N. Y. Boots and shoes. 249,180; July 19.

Klasan, Jerry F., Watkins Glen, N. Y. Gasoline, kerosene, fuel oils, and motor oils and greases. 248,637; July 19.

Kling-Tite Paint Products Company, Chicago, Ill. Roof paints. 228,319; July 19.

Knight & Thomas, Inc., Boston, Mass. Portable hand fire-extinguishing apparatus. 247,740; July 19.

Know St. Louis Publishing Co., St. Louis, Mo. Weekly publication and periodical. 249,911; July 19.

Kochendarfer, Ralph C., doing business as Ry-Hy Company, Washington, D. C. Beverages sold as soft drinks, extracts, concentrates, and sirups for making same. 249,797; July 19.

Koegel, August, Thomaston, Conn. Beverages and sirups for making the same. 250,177; July 19.

Koeltze, Carl, doing business as De Coerber Pharmaceutical Laboratories, Los Angeles, Calif. Suppositories. 249,123; July 19.

Kohler Die & Specialty Company, De Kalb, Ill. Roller skates. 250,083; July 19.

Kohn, Max, Chicago, Ill. Pillows. 247,089; July 19.

Kool Kist Company, Los Angeles, Calif. Permeators in the nature of humidors and cartridges for the same. 232,571; July 19.

Korn, Samuel, doing business as Lucky Planet Mfg. Co., Cincinnati, Ohio. Incense. 245,442; July 19.

Koronos Brothers, New York, N. Y. Watches and watch movements. 248,913; July 19.

Kotex Company. (See Cellucotton Products Company, assignor.)

Kozak. (See Walker, Edward C.)

Kramer, Sidney, doing business as Kratex Co., Syracuse, N. Y. Liniment for external use. 249,277; July 19.

Kratex Co. (See Kramer, Sidney.)

Kremer, Nicholas, doing business as Kremer's Malt Extract Company, Chicago, Ill. Malt extracts. 249,798; July 19.

Kronthal, Chertow & Corin, New York, N. Y. Silk and silk-mixture piece goods. 250,464; July 19.

Kroser, Harry Z., doing business as Bell-O-Sal-M'f'g. Co., Philadelphia, Pa., Compound for the treatment of rheumatism, etc. 249,480; July 19.

Lahatte, Cicero, Vicksburg, Miss. Tables. 243,862; July 19.

Landis Machine Company, Waynesboro, Pa. Cutter heads, thread-cutting machines, cutters therefor, and parts thereof. 243,316; July 19.

Lea, David M., & Company, Inc., Richmond, Va. Packing boxes. 249,130; July 19.

Lee & Cowan, New York, N. Y. Hosiery. 247,620; July 19.

Lee, Geo. H., Co., Omaha, Nebr. Medicine. 249,856; July 19.

Lefebure Corporation, Cedar Rapids, Iowa. Book racks. 247,899; July 19.

Legrand, Oriza L., Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet waters, brilliantine, etc. 250,245; July 19.

Lelong, Lucien, Paris, France. Perfumes and toilet preparations. 230,178; July 19.

Lelong, Lucien, Paris, France. Perfumes, toilet waters, hair lotions, complexion powders, etc. 238,379; July 19.

Lesquendieu, Joseph, Paris, France, assignor to Lesquendieu, Incorporated, New York, N. Y. Cream rouge for the lips and lip stick. 243,865; July 19.

Levene, Adele, New York, N. Y. Women's hats. 246,168; July 19.

Levin, Harry, New York, N. Y. Ladies' hats. 231,551; July 19.

Levitt Hat Co. Inc., New York, N. Y. Men's hats and caps. 248,504; July 19.

Lillian R. Company. (See Kieft, Wm.)

Lincoln, Charles J., New Bedford, Mass. Mailing envelopes, letterheads, invoices, binders, etc. 247,029; July 19.

Lindeman, Nathan, Newark, N. J. Horse-radish, cocktail sauce, beet relish, mustard, and horse-radish. 248,779; July 19.

Lion Oil Company, Chicago, Ill. Petroleum, kerosene, gasoline, naphtha, etc. 249,973; July 19.

Liquid-Iron Waterproofing Company. (See White, David C.)

Livierato, Bernard A., New York, N. Y. Coffee. 250,414; July 19.

Lowenstein, M., & Sons, Inc., New York, N. Y. Piece goods of cotton and linen. 250,248; July 19.

Lucas, John, & Co., Inc., Philadelphia, Pa. White lead and ready-mixed paints. 248,960; July 19.

Lucky Planet Mfg. Co. (See Korn, Samuel.)

Madame Elizabeth Company. (See Fairly, Giles A.)

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Ma-Deer-A Kitchens. (See Reed, Edgar L.)

Magnus Imports, Ltd., New York, N. Y. Raincoats, overcoats, sweaters, etc. 246,916; July 19.

Manko, Louis H., doing business as L. H. Manko & Company and National Summer Clothing Company, Philadelphia, Pa. Suits, coats, vests, and trousers. 245,504; July 19.

Marcia, Inc., New York, N. Y. Cosmetics. 231,115; July 19.

Marion Steam Shovel Company, The, Marion, Ohio. Magazine. 238,125; July 19.

Marks-Chandler Company, Amesbury, Mass. Leather and cloth shoes. 248,918; July 19.

Markwell Manufacturing Co., Inc., New York, N. Y. Binding, stapling, and tacking machines. 228,822; July 19.

Mathieu & Smith, Patchogue, N. Y. Home remedy for coughs and colds. 244,020; July 19.

Matthews, Jas. J., Co., Paterson, N. J. Lubricating oils and greases. 250,261; July 19.

Mavreline Company, The. (See Mavrelis, Peter L.)

Mavrelis, Peter L., doing business as The Mavreline Company, Waterloo, Iowa. Medicinal preparations. 249,359; July 19.

Maybelle Kromdyke. (See Reed, Edgar L., assignor.)

Mayfair Products, Inc., New York, N. Y. Beverages containing clam juice and packed in containers. 247,276; July 19.

Mayflower Fruit Association, Exeter, Calif. Fresh deciduous fruits, etc. 247,196–7; July 19.

McClintock-Trunkey Co., Spokane, Wash. Canned fruits, vegetables, and condensed milk. 248,311; July 19.

McGown, Frank A., Canton, Ohio. Antiseptic, deodorizing, cleansing, and scouring compounds. 250,467. July 19.

McLaughlin-Gormley-King Company, Minneapolis, Minn. Plant spray. 250,468; July 19.

McLean, Annie E., Sarasota, Fla. Leather made of fish skins. 249,135; July 19.

Mechanical Specialty Co., Bayonne, N. J. Vaporizer devices. 247,904; July 19.

Mente & Co. Inc., New Orleans, La. Sugar-bag cloth. 242,735; July 19.

Michigamme Oil Company, The, Ann Arbor, Mich. Gasoline, kerosene, lubricating oil, and grease. 249,281; July 19.

Mich-I-Penn Oil & Grease Company, Detroit, Mich. Motor oils and greases. 250,255; July 19.

Middle States Packing Company, Chicago, Ill. Canned fruits, vegetables, berries, succotash, and sliced pineapple. 248,508; July 19.

Mir Rovira, Ignacio, Sarria, Barcelona, Spain. Sewing white linen thread. 223,104; July 19.

Mitchell Fletcher Company, Philadelphia, Pa., and Atlantic City, N. J. Jellies, jams, fruits in glass, canned fruits, etc. 246,173; July 19.

Mitchell, John K., & Son Inc., Brooklyn, N. Y. Powdered laundry soap. 245,855; July 19.

Model Brassiere Co., Inc., New York, N. Y. Ladies' undergarment. 249,283; July 19.

Model Mill Company, Inc., Johnson City, Tenn. Corn meal and feed. 250,085; July 19.

Molter-Reinhard Co., Chicago, Ill. Coats, jackets, hats, dresses, etc. 249,136; July 19.

Molter, Wm. H., Co., Chicago, Ill. Textile materials stamped in patterns for embroidering. 246,921; July 19.

Monestu Company, The. (See Stamm, Lester.)

Monteverde, Rolandelli & Parodi, Inc., San Francisco, Calif. Vegetable oil. 248,313; July 19.

Moran, Alfred, doing business as A. Moran & Company, Flint, Mich. Horse-radish. 248,644; July 19.

Morris, J. Leslie, Company, Los Angeles, Calif. Bearings. 249,131; July 19.

Mortelmans, Franciscus G., The Hague, Netherlands. Photographic copying machines. 243,820; July 19.

Mound City Wood Heel & Mfg. Co., The, St. Louis, Mo. Shoe heels. 249,743; July 19.

Moyer, J. Dyre, Willow Grove, Pa. Coal. 241,348; July 19.

Moxie Company, The, Boston, Mass. Playing cards, baseball bats, toy canes, dolls, toy balloons, etc. 231,747; July 19.

Mutual Stores, Inc., Oakland, Calif. Canned fruits and vegetables. 250,560; July 19.

Nathan Novelty Mfg. Co., New York, N. Y. Auto seat covers. 231,060; July 19.

National Spring & Wire Co., Grand Rapids, Mich. Mattresses and bed springs. 248,711–2; July 19.

National Summer Clothing Company. (See Manko, Louis H.)

Navytone Company, The, Philadelphia, Pa. Men's suits. 249,367; July 19.

Nemour Silk Corporation, New York, N. Y. Silk piece goods. 232,087; July 19.

Neustadter Brothers, San Francisco, Calif. Overalls. 246,218; July 19.

Newport News Shipbuilding and Dry Dock Company, Newport News, Va. Special machinery, steel turbines, etc. 232,738; July 19.

Nicholson, Mollie D., Chevy Chase, Md. Publication. 250,033; July 19.

Nitrate Agencies Company, New York, N. Y. Agricultural insecticide. 250,562; July 19.

Northern Blower Company, Cleveland, Ohio. Dust collectors. 248,317; July 19.

Northmont Hosiery Corporation, Reading, Pa. Silk stockings. 249,674; July 19.

Noyocrete and Cement Products Company Limited, London, England. Manufactures of a lightweight concrete. 245,512; July 19.

O-T Manufacturing Company. (See Tanner, Arnold J.)

Oakite Products, Inc., New York, N. Y. General cleansing and washing compound. 249,859; July 19.

Oberman, D. M., Mfg. Co., Jefferson City, Mo., and New York, N. Y. Work shirts. 249,091; July 19.

Ohio Lime & Stone Company, The, Pemberville, Ohio. Colored lime. 247,094; July 19.

O'Malley-Abeling Company, San Francisco, Calif. Dried and canned fruits, canned vegetables and fish. 249,485; July 19.

O'Neil Duro Company, Milwaukee, Wis. Paints of every description. 243,725; July 19.

Onstrand, Matilda T., Minneapolis, Minn. Healing plaster, liniment, and cough medicine. 246,704; July 19.

Orange-Crush Company, Chicago, Ill. Beverages and sirups, compounds, flavors, and concentrates for making the same. 249,433; July 19.

Orr, J. K., Shoe Company, Atlanta, Ga. Leather, rubber, fabric shoes. 249,189; July 19.

Osetkowski, Andrew A., doing business as Red Boy Products Co., Detroit, Mich. Malt sirup and malt extracts. 246,496; July 19.

Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 248,428; July 19.

Pan American Petroleum Company, Los Angeles, Calif. Lubricating oil. 250,418–19; July 19.

Papenfus, Daniel E., doing business as Duratite Putty Company, Long Beach, Calif. Putty. 248,716; July 19.

Parkway Mfg. Co., Inc., Buffalo, N. Y. Dresses, aprons, smocks, etc. 246,192; July 19.

Pedox Produx, Inc., New York, N. Y. Heel liners. 217,293; July 19.

Peerless Oil & Refining Company, Chanute, Kans. Kerosene. 250,262; July 19.

Penman, Arthur G., Toronto, Ontario, Canada. Compound adhesive fluid. 244,736–7; July 19.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Cotton piece goods. 250,135; July 19.

Perimutter & Blumenfield, New York, N. Y. Ladies' and misses' hats. 242,289; July 19.

Picroleine Products Co., Montreal, Quebec, Canada. Preparations for the treatment and relief of burns, scalds, wounds, etc. 248,591; July 19.

Porterville Citrus Association, The, Porterville, Calif. Oranges, lemons, and grapefruit. 241,830–42; July 19.

Postal Cigar Company, The, Miami, Fla. Cigars. 248,722; July 19.

Poston, Emmett V., Springfield, Ill. Brick. 249,538; July 19.

Prarie, Calven M., doing business as The Titan Baking Powder Co., Plattsburg, N. Y. Baking powder. 249,488; July 19.

Premier Sport Products, Incorporated, New York, N. Y. Clock-golf game. 249,094; July 19.

Procter & Gamble Company, The, Cincinnati, Ohio. Washing powder. 248,792; July 19.

Prouty, Isaac, & Company, Inc., Spencer, Mass. Shoes. 226,855; July 19.

Public Service Filling Stations, Inc., New York, N. Y. Gasoline and motor oils. 249,257; July 19.

Puritan Chemical Company, Atlanta, Ga. Liquid cleanser. 249,602; July 19.

Puritan Chemical Company, Atlanta, Ga. Chemical preparation. 249,603; July 19.

Queen Lilo Hair Tonic Co., New York, N. Y. Hair tonic and hairdressing. 249,866; July 19.

Railway Equipment and Publication Company, The, New York, N. Y. Periodical. 250,037–8; July 19.

Ratin Laboratory, Inc., The, New York, N. Y. Moth preventives, insecticides, and vermin exterminators. 245,863; July 19.

Red Boy Products Co. (See Osetkowski, Andrew A.)

Redlands Heights Groves, Inc., Redlands, Calif. Fresh citrous fruits. 250,566; July 19.

Red Poppy Mfg. Co., Newark, N. J. Ball game. 241,001; July 19.

Reed, Edgar L., doing business as Ma-Deer-A Kitchens, and Ma-Deer-A Food Products Co., assignor to Maybelle Kromdyke, Chicago, Ill. Jelly and marmalade. 250,567; July 19.

Remedy Products, Inc., New York, N. Y. Laxatives. 249,440; July 19.

Reminders Corporation, New York, N. Y. Chewing gum. 242,022; July 19.

Renard, Inc., Kalamazoo, Mich. Soap. 249,541; July 19.

Rice and Fishman, Newark, N. J. Canned vegetables, fruits, shellfish, and evaporated milk. 248,516; July 19.

Richardson, Almon E., Melrose Highlands, Mass. Combination order slip and bottle closure. 249,607; July 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Richfield Oil Company of California, The, Los Angeles, Calif. Lubricating oils. 249,867; July 19.
Rico Laboratories, Denver, Colo. Soap pastes. 249,096; July 19.
Riesselman, Anthony C., Le Roy, N. Y. Pop-corn confections. 248,595; July 19.
Roberts-Frink Company, The, Norwich, Conn. Candies. 250,265; July 19.
Robinson Syrup Company, Cairo, Ga. Table syrup. 248,973; July 19.
Roebling's, John A., Sons Company, Trenton, N. J. Wrenches. 249,868; July 19.
Ronan, T. J., Co., Inc., Brooklyn, N. Y. Lacquers, paint enamels, and thinners. 248,796; July 19.
Rotair Burner Corporation, San Francisco, Calif. Liquid-fuel burners. 249,007; July 19.
Rounsevelle, Phillip, doing business as The Archers Company, Pinehurst, N. C. Bows, arrows, quivers, and arm guards. 248,650; July 19.
Roycrofters, The, East Aurora, N. Y. Combination match holders and ash trays, cigarette holders, etc. 246,439; July 19.
Rubber Service Laboratories Company, The, Akron, Ohio. Compound used as a vulcanization accelerator in the curing of rubber articles. 250,143; July 19.
Rugby Knitting Mills, Inc., Buffalo, N. Y. Sweaters, bathing suits, drawers, etc. 242,145; July 19.
Russell, I. D., doing business as I. D. Russell Company, Kansas City, Mo. Medicine for fowls. 249,444; July 19.
Ry-Hy Company. (See Kochendarfer, Ralph C.)
Sabin, Alex., & Sons, New York, N. Y. Watches and parts thereof. 249,753; July 19.
Sachsse, E., & Co., Leipsig, Germany. Preparation made from leeches. 246,934; July 19.
Safety Cable Company, New York, N. Y. Electrical conducting cables. 249,300; July 19.
Safety Fumigant Company, Boston, Mass. Liquid disinfectant, cleanser, deodorant, and bleach. 250,098; July 19.
Saladino Distributing Company, Mercedes, Tex. Assorted small lots of fresh fruits packed in special gift packages. 248,130; July 19.
Sammon, John J., doing business as J. J. Sammon, Boston, Mass. Hand-cleaner preparation. 249,194; July 19.
Sanitarium and Hospital Equipment Company, Battle Creek, Mich. Electric-arc lamps used for therapeutic purposes. 248,729; July 19.
Satiniac Co. Inc., The, Brooklyn, N. Y. Polishing compounds. 248,330; July 19.
Saunders, Walker, Number Four, N. Y. Ointment. 248,977; July 19.
Savannah Sugar Refining Corporation, Savannah, Ga. Sugar. 246,507; July 19.
Shakin, Herman, New York, N. Y. Men's and young men's outerwear. 245,929; July 19.
Shapiro & Sons, Inc., New York, N. Y. Girls' and women's coats. 248,258; July 19.
Shaw, A. W., Company, Chicago, Ill. Magazine. 250,572; July 19.
Shepherd, Mrs. M. C., doing business as The Shepherd Company, Oakman, Ala. Medicinal compound for the treatment of rheumatism. 247,648; July 19.
Sherbro Laboratories, The. (See Sherman, Philip J.)
Sherman, Philip J., doing business under the name of The Sherbro Laboratories, Chattanooga, Tenn. Preparation for indigestion and stomach trouble. 249,240; July 19.
Simon, David, doing business as The Jay-Tee Mfg. Co., Chicago, Ill. Curtains and draperies. 249,610; July 19.
Sleda Watch Company. (See Adels, Louis.)
Smith America Inc., New York, N. Y. Watches. 248,937; July 19.
Sobel & Miller, Chicago, Ill. House dresses, aprons, and nightgowns. 249,611; July 19.
Solomon, William P., London, England. Tobacco pipes. 249,932; July 19.
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 246,856; July 19.
Southwestern Milling Company, Inc., The, New York, N. Y. Self-rising flour. 246,857; July 19.
Squire Dingee Company, Chicago, Ill. Pickles and brined vegetable material therefor, jellies, mustard, dill brine, etc. 228,672; July 19.
Stamm, Lester, doing business as The Monesta Company, New York, N. Y. Toothbrushes. 250,721; July 19.
Standard Corset Company, The, New York, N. Y. Corsets, girdles, corselets, etc. 231,822; July 19.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Mineral wax. 250,103; July 19.
Standard Oil Company (New Jersey), Bayonne, N. J. Periodical. 249,757; July 19.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 249,871; July 19.
Star Extract Works, Inc., New York, N. Y. Maltless flavorings and flavoring extracts. 176,510; July 19.
Steffens, Frank N., New York, N. Y. Plated cast and forged metal plates and dies. 245,592; July 19.
Steiff, Margarete, Inc., New York, N. Y. Stuffed toy animals. 249,872; July 19.
Stevens, Jordan, Co., Minneapolis, Minn. Coffee. 250,460; July 19.
Stone Chemical Products Co. (See Ishiyama, Shosaku.)
Strand Hand Bag Co., Inc., New York, N. Y. Ladies' hand bags. 249,682; July 19.
Straus, Louis, Inc., San Francisco, Calif. Suits and overcoats. 248,065; July 19.
Strobeck, G. A., Red Lion, Pa. Cigars. 250,210; July 19.
Sullivan, John P., Omaha, Nebr. Candy. 249,203; July 19.
Sylvania Perfume Co. (See Johnson, John A.)
Tai Hing Company, Honolulu, Hawaii. Coffee. 237,929; July 19.
Tanner, Arnold J., doing business as O-T Manufacturing Company, New Haven, Conn. Folding paper containers. 248,735; July 19.
Tasty Baking Company, Philadelphia, Pa. Cakes. 250,477; July 19.
Tasty Cooker Company, Detroit, Mich. Base-metal food cookers. 248,264; July 19.
Terminal Barber Shops, Inc., New York, N. Y. Hair tonics. 248,655–6; July 19.
Theta Kappa Nu Fraternity, Springfield, Mo., and Cleveland, Ohio. Jewelry for personal wear, not including watches. 239,437; July 19.
Thompson, James C., doing business as James C. Thompson & Co., Wytheville, Va. Preparation for treatment of falling hair and dandruff and to allay irritation of the scalp, etc. 249,616; July 19.
Titan Baking Powder Co., The. (See Prarie, Calvin M.)
Todaro, Paul, doing business as P. Todaro & Co., New York, N. Y. Canned tomatoes and fish. 247,228; July 19.
Tomchin & Levinson, Inc., New York, N. Y. Bracelets for wrist watches. 248,066; July 19.
Traub, Edmund, Prague-Podbaba, Czechoslovakia. Dressed leather. 244,821; July 19.
Tribune Company, The, Chicago, Ill. Series of cartoons. 249,553; July 19.
Turell, A. M., Fabrics Corporation, New York, N. Y. Silk fabrics. 249,388–9; July 19.
Turner, Oscar A., Chicago, Ill. Textile doilies and scarfs. 213,411; July 19.
Twinkies Specialty Company, St. Louis, Mo. Children's suits, dresses, rompers, etc. 241,753; July 19.
Tyler, W. S., Company, The, Cleveland, Ohio. Wire fabric for screening purposes. 249,683; July 19.
Typographic Machines Co., The, Dayton, Ohio. Automatic typesetting machines. 250,105; July 19.
Uniform Products Company, Lancaster, Pa. Insecticides. 250,580; July 19.
Uniform Products Company, Lancaster, Pa. Fertilizers. 250,581–3; July 19.
United Fruit Company, Jersey City, N. J., and Boston, Mass. Bananas. 233,336; July 19.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Vests, coat vests, coats, and sport blouses and coats. 249,555; July 19.
Vacuum Oil Company, New York, N. Y. Oils, greases, and waxes, etc. 246,578; July 19.
Valentine & Company, New York, N. Y. Primers, surfacers, primer surfaces, and varnishes. 250,051; July 19.
Vico Products Company, Minneapolis, Minn. Yeast foods. 248,537; July 19.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 246,863; July 19.
Wadsworth Howland & Co. Incorporated, Boston, Mass. Paints and enamels. 249,451–2; July 19.
Wagenseller, Ethel S., Philadelphia, Pa. Paper, rubber, asbestos, and felt washers. 249,395; July 19.
Walker, Edward C., doing business as Kozak, Batavia, N. Y. Chemically treated cloths for cleaning lacquered and enameled finishes. 249,623; July 19.
Walliser, H. F., Company, Chicago, Ill. Fabric valances. 248,538; July 19.
Waltke, Wm., & Co., St. Louis, Mo. Soap. 239,156; July 19.
Wanamaker, John., Philadelphia, Philadelphia, Pa. Gloves. 248,943; July 19.
Wapakoneta Machine Co., The, Wapakoneta, Ohio. High-speed-steel machine knives. 249,310; July 19.
Warwick Mills, West Warwick, R. I., and Boston, Mass. Two-ply cotton yarn marquisettes. 247,765; July 19.
Watkins, J. R., Company, The, Winona, Minn. Face powder, brown skin powder, cold cream, rouge, etc. 249,248; July 19.
Waynesboro Knitting Company Waynesboro, Pa., and New York, N. Y. Underwear. 247,835; July 19.
Weckerle & Beringer, Feuerbach, near Stuttgart, Germany. Candles and bonbons. 245,673; July 19.
Weeping Water Stone Co., The, Weeping Water, Nebr. Limestone. 248,945; July 19.
Weinstein, George J., doing business as George J. Weinstein Co., Cleveland, Ohio. Dental gold. 244,965; July 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wells Glass Company, Kokomo, Ind. Glass tables and counter tops, wainscoting, plate and sheet glass, etc. 250,657; July 19.
Westenhoff & Co., Hanover, Germany. Duplicating machines. 210,595; July 19.
Western Coal & Coke Co., Milwaukee, Wis. Coal. 249,626; July 19.
Western Laboratories, Inc., Phoenix, Ariz. Insecticide. 249,029; July 19.
Wheeler, W. G., Rockford, Ill. Shingles of wood. 249,686; July 19.
White, David C., doing business as Liquid-Iron Waterproofing Company, Detroit, Mich. Compound to be applied to walls, floors, or ceilings, for waterproofing purposes. 246,010; July 19.
Whiteside, Sidney B., College Point, N. Y. Hand lifting devices for carrying ice-cream cans. 246,580; July 19.
Wieden, Julius, doing business as J. Wieden, Los Angeles, Calif. Electrotherapeutic pads and belts. 249,447; July 19.
Wilder & Company, Chicago, Ill. Liquid dressing for leather. 249,826; July 19.
Willys-Overland Company, The, Toledo, Ohio. Passenger carrying automobiles. 249,827–8; July 19.
Wilson, Louis P., doing business as The Wilson Products Company, Cleveland, Ohio. Tonic pills and tablets. 242,036; July 19.
Wuest, Adam, Cincinnati, Ohio. Bedding. 226,322; July 19.
Yankee Dandy Products Co., New York and Brooklyn, N. Y. Liquid polish for furniture, automobile bodies, and the like. 248,868; July 19.
Yusem, I., & Sons, Philadelphia, Pa. Men's and boys' suits and overcoats. 232,238; July 19.
Yvette Co., New York, N. Y. Toilet preparation. 243,786; July 19.
Zephyr Washed Air Company, Minneapolis, Minn. Humidifiers, air moistening, air washing, air purifying, air cooling, and air conditioning apparatus. 249,829; July 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Asbestos, Sheet. Victor Manufacturing & Gasket Co. 230,194–5; July 19; Serial Nos. 228,151–2; published May 10, 1927.
Asbestos, Sheet. Victor Manufacturing & Gasket Co. 230,291; July 19; Serial No. 228,153; published May 10, 1927.
Baled newspapers. Pacific Orient Co. 230,305; July 19; Serial No. 243,877; published Apr. 26, 1927.
Clay used as a filler in the manufacture of paper, paints, and rubber products. R. T. Vanderbilt Company. 230,313; July 19; Serial No. 242,357; published Apr. 26, 1927.
Coal. B. C. Dudley Coal Company. 230,225; July 19; Serial No. 244,551; published May 10, 1927.
Coal. Hooper-Mankin Fuel Company. 230,242; July 19; Serial No. 245,094; published May 10, 1927.
Coal. Pittsburg and Midway Coal Mining Company. 230,356; July 19; Serial No. 235,784; published May 3, 1927.
Comber polls mixture for use for cleaning purposes. J. H. Ordway. 230,396; July 19; Serial No. 245,746; published May 3, 1927.
Foxes and furs. Jackson Fox Farms, Incorporated. 230,355; July 19; Serial No. 235,776; published May 3, 1927.
Leather. Barnet Leather Co. 230,228; July 19; Serial No. 244,599; published May 3, 1927.
Leather. Grieas Pfleger Tanning Company. 230,371; July 19; Serial No. 245,894; published May 10, 1927.
Leather. A. C. Lawrence Leather Company. 230,244; July 19; Serial No. 245,098; published May 3, 1927.
Leathers. Surpass Leather Company. 230,320; July 19; Serial No. 243,120; published Apr. 26, 1927.
Pyrophyllite or talc used as a filler in the manufacture of paper, paints, and rubber products. R. T. Vanderbilt Company. 230,314; July 19; Serial No. 242,359; published Apr. 26, 1927.
Rubber, Crude. Continental Rubber Company of New York. 230,378; July 19; Serial No. 245,475; published May 10, 1927.
Seed, Lawn. Kroger Grocery & Baking Co. 230,387; July 19; Serial No. 245,648; published May 10, 1927.
Skins and leather. Destrooper's Raincoat Co. 230,331; July 19; Serial No. 237,445; published Apr. 26, 1927.
Skins, Animal. S. M. Bamdas. 230,344; July 19; Serial No. 241,311; published May 3, 1927.
Talc. Pacific Coast Talc Company. 230,312; July 19; Serial No. 242,247; published May 3, 1927.
Woods both in sawed and log forms, Hard. F. Purcell. 30,812; renewed June 29, 1927.

CLASS 2.

Bank supplies. Continental Bank-Supply Company. 230,211; July 19; Serial No. 227,828; published May 10, 1927.
Boxes, sewing baskets, perfume boxes, etc., Jewel. Armin Degener, Inc. 230,342; July 19; Serial No. 241,036; published May 10, 1927.
Containers, Empty. Dryice Corporation of America. 230,202; July 19; Serial No. 211,339; published May 10, 1927.
Receptacles made of peat, Seedling growing and setting-out. Growell Pot Company. 230,370; July 19; Serial No. 245,437; published May 10, 1927.

CLASS 3.

Bags, Ladies' hand. Schnuerer & Murray. 230,233; July 19; Serial No. 245,927; published May 10, 1927.
Bags, Ladies' hand. John Wanamaker Philadelphia. 230,335; July 19; Serial No. 237,995; published May 10, 1927.
Pads, Hoof. Dryden Rubber Company. 230,448–50; July 19.
Suitcases, fitted cases, and hand bags. Eagle Leather Goods Company. 230,354; July 19; Serial No. 282,721; published May 10, 1927.
Trunks and other traveling receptacles. G. L. Lippold. 29,825; renewed Apr. 18, 1927.

CLASS 4.

Cleaners and polishers for aluminum, copper, brass, etc. E. J. Cole. 230,253; July 19; Serial No. 246,196; published May 10, 1927.
Cleaning artificial teeth, Powder for. Reno Specialty Company. 230,295; July 19; Serial No. 228,441; published May 10, 1927.
Cleaning fluid, Dry-. Bass and Goldberg. 230,292; July 19; Serial No. 228,169; published May 10, 1927.
Dressing, Auto top and leather. R. G. Bullard. 230,348; July 19; Serial No. 234,866; published Mar. 29, 1927.
Dressings for leather belting. F. S. Walton Company. 65,093; renewed Sept. 10, 1927.
Polishes, Metal. G. E. Bennett. 230,256; July 19; Serial No. 246,384; published May 10, 1927.
Sandpaper, abrasive paper and cloth, etc. American Floor Surfacing Machine Co. 230,436; July 19.
Soap, soap powder, soap chips, soap flakes, etc. Colgate & Company. 230,252; July 19; Serial No. 245,780; published May 10, 1927.
Soap, Toilet. Bourjois, Inc. 230,360; July 19; Serial No. 236,251; published Apr. 5, 1927.
Soaps and washing powder. Poland Soap Works. 230,254; July 19; Serial No. 246,200; published May 10, 1927.
Wire. J. W. Gottschalk. 230,430; July 19.

CLASS 5.

Antidefator compound, Tire-puncture. Jynx Company. 230,392; July 19; Serial No. 245,790; published May 10, 1927.
Puncture proof-tire liquid. Aer-Seal Manufacturing Company. 230,408; July 19.

CLASS 6.

Chemical composition. C. L. Roberts. 230,401; July 19.
Colors used in the preparation of cosmetics. H. Kohnstamm & Co. 230,428; July 19.
Cough sirup, hair tonic, kidney and bowel medicines, corn salve, etc. J. R. Kirk. 230,350; July 19; Serial No. 244,503; published May 10, 1927.
Creams, Face. Woodworth, Inc. 230,246; July 19; Serial No. 245,417; published May 10, 1927.
Dandruff remover and preventer. C. W. Beggs, Sons & Co. 230,365; July 19; Serial No. 230,867; published May 10, 1927.
Emulsion. Buck and Rayner. 230,435; July 19.
Fungicides. General Chemical Company. 230,420; July 19.
Hairdressing. H. B. Saunders. 230,280; July 19; Serial No. 246,718; published May 10, 1927.
Indigestion powder. Lincoln & Bosworth. 230,249; July 19; Serial No. 245,733; published May 10, 1927.
Insect and vermin destroyer. R. J. Baughman. 230,278; July 19; Serial No. 246,659; published May 10, 1927.
Insecticide. I. Halpern. 230,358; July 19; Serial No. 230,917; published May 10, 1927.
Laxative. Cole Chemical Company. 230,240; July 19; Serial No. 245,050; published May 10, 1927.
Laxative, Chocolate. Rothen Mfg. Co. 230,245; July 19; Serial No. 245,345; published May 10, 1927.
Laxative medicines. Tarrant Company. 230,389; July 19; Serial No. 245,871; published May 10, 1927.
Liniment. M. S. Hooker. 230,255; July 19; Serial No. 246,347; published May 10, 1927.

Lotion and counterirritant, Rubefacient. J. A. Kelly. 230,257; July 19; Serial No. 246,415; published May 10, 1927.
Medicinal preparation. Santoris Company. 230,340; July 19; Serial No. 240,445; published May 10, 1927.
Medicine. Sal-Phenine Laboratories Inc. 230,279; July 19; Serial No. 246,712; published May 10, 1927.
Moth destroyer, bedbug destroyer, insect powder, etc. Cenol Company. 230,308; July 19; Serial No. 244,983; published May 10, 1927.
Powder for use on plants and vines. Danforth Chemical Company. 30,809; renewed Nov 9, 1927.
Preparation for colds, etc. H. A. Orlind. 230,416; July 19.
Preparation for preventing moths from living in the vicinity and known as "cedar bars," a chemical for increasing the usefulness of storage batteries, and a compound adapted to dissolve accumulations of grease and remove them from drainpipes. Arveo Industries. 230,328; July 19; Serial No. 244,127; published May 10, 1927.
Remedy for bronchitis and asthma. Wallace Asthma Cure Company. 30,755; renewed Oct. 26, 1927.
Remedy for certain diseases. F. A. Richter. 62,991; renewed June 4, 1927.
Remedy for diseases peculiar to women. A. P. Sawyer. 64,264; renewed July 30, 1927.
Remedy, Liver. A. P. Sawyer. 60,932; renewed May 28, 1927.
Sal soda and table salt. Kroger Grocery & Baking Co. 230,451; July 19.
Toilet preparations. M. C. Whelan. 66,211; renewed Nov. 12, 1927.
Toilet waters, perfumes, tooth paste, etc. Palais Royal, Inc. 230,197; July 19; Serial No. 244,097; published May 3, 1927.
Vichy. Queen City Bottling Co. 230,250; July 19; Serial No. 245,750; published May 10, 1927.

CLASS 8.

Moistening devices equipped with transparent cigar-box covers. P. H. Sukert. 230,441; July 19.

CLASS 9.

Shotgun shells. Sears, Roebuck and Co. 230,259; July 19; Serial No. 246,852; published May 10, 1927.

CLASS 10.

Fertilizer and nitrate of soda and potashes used in the production of commercial fertilizers. Commercial, Georgia Fertilizer Company. 230,226; July 19; Serial No. 244,554; published May 10, 1927.

CLASS 12.

Anchors. W. O. Isaacson. 230,323; July 19; Serial No. 243,368; published May 3, 1927.
Asphalt coated composition or paper shingles for roofing, roofing paper. Weaver-Henry Mfg. Co. 230,338; July 19; Serial No. 240,233; published Apr. 26, 1927.
Brick and fireproofing tile, Face and common. Alliance Clay Product Co. 230,398; July 19; Serial No. 245,684; published May 10, 1927.
Brick, tile, etc. Concrete Equipment Co. 230,221; July 19; Serial No. 244,392; published May 3, 1927.
Bricks. Fiske & Company. 230,361; July 19; Serial No. 245,261; published May 10, 1927.
Cement. King Refractories Company. 230,217; July 19; Serial No. 244,232; published May 3, 1927.
Cork board. Armstrong Cork & Insulation Company. 230,306; July 19; Serial No. 244,911; published May 3, 1927.
Doors of wood construction. Compound & Pyrono Door Company. 230,298; July 19; Serial No. 243,591; published May 3, 1927.
Fire brick, Plastic. Keystone Refractories Company. 230,243; July 19; Serial No. 245,097; published May 3, 1927.
Flooring. Breece Manufacturing Company. 230,421; July 19.
Floors, wainscoting, panels, etc. Euböolithwerke A.-G. in Olten. 230,212; July 19; Serial No. 227,831; published Apr. 26, 1927.
Gypsum. Atlas Gypsum Corporation. 230,219; July 19; Serial No. 244,271; published May 10, 1927.
Lime and limestone. New Jersey Lime Products Corporation. 230,316; July 19; Serial No. 242,490; published May 3, 1927.
Lumber. Zoss Ladder Works. 230,439; July 19.
Lumber, Creosoted. W. P. Brown & Sons Lumber Co. 230,419; July 19.
Plywood. Portland Manufacturing Co. 230,411; July 19.
Roofing, Asphalt. Belknap Hardware & Manufacturing Company. 230,372; July 19; Serial No. 245,323; published May 10, 1927.
Tiles. Sparta Ceramic Company. 230,220; July 19; Serial No. 244,327; published May 3, 1927.
Wall board. C. F. Burgess Laboratories, Inc. 230,325; July 19; Serial No. 243,478; published Apr. 26, 1927.
Wood moldings, Wrapped units of interior, etc. Lumbermen's Door & Trim Company. 230,228; July 19; Serial No. 244,506; published May 3, 1927.

CLASS 13.

Aluminum ware. Kaufmann Department Stores, Inc. 230,431; July 19.
Ball-and-socket banister construction joints. F. Luipersbek. 230,375; July 19; Serial No. 245,277; published May 10, 1927.
Bolts, screws, rivets, nuts, etc. Southern California Iron & Steel Company. 230,319; July 19; Serial No. 243,067; published May 10, 1927.
Buckles for cotton-bale ties. Compress Buckle Company. 230,310; July 19; Serial No. 244,986; published May 10, 1927.
Chains and replacement units. E. C. Ernst. 230,417; July 19.
Dish drainers. Utility Manufacturing Company. 230,394; July 19; Serial No. 245,766; published May 10, 1927.
Dishes, boilers, cake pans, coffeepots, etc., Baking. G. Sommers & Company. 230,251; July 19; Serial No. 245,759; published May 10, 1927.
Hanger or rack, Metal. R. V. Reynolds. 230,446; July 19.
Joints, Expansion. Alberger Condenser Co. 66,319; renewed Nov. 19, 1927.
Metal angles, metal arrows, bells for toys, dog collars, etc. Edwin B. Stimpson Company. 230,200; July 19; Serial No. 185,154; published May 10, 1927.
Metal pipes, tubes, and pipe couplings. National Tube Company. 230,353; July 19; Serial No. 232,686; published May 10, 1927.
Pans and kettles, Metal. Camille Charlier and Abraham Errera. 230,198; July 19; Serial No. 244,134; published May 10, 1927.
Plumbers' and steam-fitters' supplies. Lily Foundry Company. 230,359; July 19; Serial No. 236,214; published May 10, 1927.
Valves for controlling the flow of fluids. Edward Valve and Manufacturing Co. 230,346; July 19; Serial No. 236,307; published May 10, 1927.

CLASS 14.

Aluminum. Aluminum Industries, Inc. 230,397; July 19; Serial No. 245,685; published May 3.
Aluminum rod, brass sheet, copper wire, lead sheet, etc. Central Scientific Company. 230,203; July 19; Serial No. 213,001; published May 10, 1927.
Anodes. Metals Protection Corporation. 230,304; July 19; Serial No. 243,872; published Apr. 26, 1927.
Castings. Gould Coupler Co. 230,230; July 19; Serial No. 244,690; published May 3, 1927.
Saw-blade blanks, rolled and hammered steel, and drawn steel. Fagersta Bruks Aktiebolag. 230,352; July 19; Serial No. 233,926; published May 10, 1927.
Sheet metal, Perforated. Wickwire Spencer Steel Company. 230,363; July 19; Serial No. 245,130; published May 3, 1927.
Tool steel. Columbia Tool Steel Company. 230,327; July 19; Serial No. 243,500; published May 3, 1927.
Zinc rods. Matthiessen & Hegeler Zinc Company. 230,268; July 19; Serial No. 246,353; published May 10, 1927.

CLASS 19.

Air-cushion devices. Detroit Aeroflex Stabilizer Company. 230,206; July 19; Serial No. 226,339; published Mar. 22, 1927.
Automobiles, Fabric door and seat covers for. Cincinnati Auto Specialty Co. 230,267; July 19; Serial No. 246,332; published May 10, 1927.
Automobiles, Gasoline passenger. Hudson Motor Car Company. 230,222; July 19; Serial No. 244,444; published May 10, 1927.
Bicycles. Colson Company. 230,293; July 19; Serial No. 228,301; published May 10, 1927.
Brake appliances, master cylinders, and leakproof wheel cylinders, Hydraulic. Safety Products Corporation. 230,376; July 19; Serial No. 245,518; published May 10, 1927.
Spring pneumatic or hydraulic suspensions, leaf springs, etc. Compagnie d'Applications Mécaniques. 230,349; July 19; Serial No. 234,503; published May 10, 1927.
Vehicles and parts thereof, Radiators for automotive. Winchester Repeating Arms Company. 230,286; July 19; Serial No. 241,760; published May 10, 1927.
Wagons. Deere & Co. 30,580; renewed Sept. 21, 1927.
Wagons and road oil distributors, Distributing and dumping. American Road Machinery Company. 230,294; July 19; Serial No. 228,399; published May 10, 1927.

CLASS 22.

Fishing line. Ashaway Line & Twine Manufacturing Company. 230,422; July 19.
Golf clubs. Alinone Adjustable Golf Club Corporation. 230,444; July 19.

CLASS 23.

Agricultural implements. Moline Implement Company. 230,383; July 19; Serial No. 245,650; published May 10, 1927.
Bakers' equipment. H. L. Schroeder. 230,423; July 19.
Clamps, handles, boring tools, etc. J. H. Williams & Co. 230,447; July 19.
Cutlery in general. Joseph Rodgers & Sons, Limited. 63,409; renewed June 18, 1927.

Cutlery in general. Joseph Rodgers & Sons, Limited. 64,169; renewed July 30, 1927.
Fire extinguishers and parts therefor. Phister Manufacturing Company. 230,224; July 19; Serial No. 244,513; published May 10, 1927.
Fish-dressing machines. Smith Cannery Machines Company. 65,866; renewed Sept. 24, 1927.
Kilns, Clinker coolers for rotary cement. F. L. Smidth & Co. 230,364; July 19; Serial No. 245,110; published May 10, 1927.
Machines for washing cars, trucks, and other vehicles. Rotawasher Corporation. 230,274; July 19; Serial No. 246,506; published May 10, 1927.
Pulverizers for industrial uses. Riley Stoker Corporation. 230,317; July 19; Serial No. 242,619; published May 10, 1927.
Saws and machine knives. Simonds Saw and Steel Company. 230,373; July 19; Serial No. 245,302; published May 10, 1927.
Sewing machines and parts thereof. Union Special Machine Company. 230,235; July 19; Serial No. 246,135; published May 10, 1927.
Surface treating and finishing machines. American Floor Surfacing Machine Co. 230,402; July 19.
Vacuum cleaners. Kaufmann Department Stores, Inc. 230,297; July 19; Serial No. 228,910; published May 10, 1927.
Water-softening apparatus. R. J. Held. 230,440; July 19.

CLASS 25.

Locks. Master Lock Company. 230,311; July 19; Serial No. 237,181; published May 10, 1927.

CLASS 26.

Lenses and frames and mountings therefor, Ophthalmic. J. Scadron. 230,334; July 19; Serial No. 237,823; published May 10, 1927.
Measures, Swing-spout oil. Swingspout Measure Company. 230,433; July 19.
Telescopes. Washington Jewelry Company. 230,239; July 19; Serial No. 246,187; published May 10, 1927.

CLASS 28.

Silver, Manufactures of. Joseph Rodgers & Sons, Limited. 63,051; renewed June 4, 1927.

CLASS 29.

Brushes. A. Cohen & Sons Corp. 230,429; July 19.
Toothbrushes. Rubber and Celluloid Products Company. 230,437; July 19.

CLASS 30.

Porcelain and chinaware. Sebring Pottery Company. 230,442; July 19.

CLASS 31.

Refrigerators and refrigerator parts. Electric Refrigeration Corporation. 230,229; July 19; Serial No. 244,673; published May 3, 1927.

CLASS 32.

Cabinets. Columbus Show Case Co. 230,399; July 19.

CLASS 33.

Glass silvered and unsilvered, Flat. Williamsport Mirror and Glass Company. 230,357; July 19; Serial No. 231,223; published Apr. 5, 1927.

CLASS 34.

Grate bars. Hulson Grate Company. 230,452; July 19.
Heaters, etc., Gas water. Hoffman Heater Company. 230,434; July 19.

CLASS 35.

Belting and packing, Rubber and fabric. Pioneer Rubber Mills. 230,216; July 19; Serial No. 244,180; published May 10, 1927.
Heaters and heat extractors, Water. Alberger Condenser Co. 65,970–1; renewed Nov. 5, 1927.
Tire patches. White Mule, Inc. 230,208; July 19; Serial No. 227,206; published May 10, 1927.
Tires and inner tubes, Rubber. Kokomo Rubber Company. 230,409; July 19.

CLASS 37.

Paper, Kraft. Coy, Disbrow & Co. 230,329; July 19; Serial No. 244,290; published May 10, 1927.
Paper outfit, Crepe-. Dennison Manufacturing Company. 230,322; July 19; Serial No. 243,201; published May 10, 1927.
Paper, Writing, bond, and ledger. Union Card & Paper Co. 60,914; renewed Feb. 26, 1927.
Paper, writing stencils, fountain pens, etc., Drawing and tracing. Filler & Fiebig. 230,326; July 19; Serial No. 243,485; published May 10, 1927.

CLASS 38.

Books, Printed. Foundation Press, Inc. 230,213; July 19; Serial No. 246,275; published May 10, 1927.
Cards, posters, pictures, advertising cards, circulars, etc., Greeting. Paul L. Baruch Publishing Co. Incorporated. 230,287; July 19; Serial No. 241,802; published May 10, 1927.
Cartoons or comic strips. Macfadden Publications Incorporated. 230,241; July 19; Serial No. 245,065; published May 10, 1927.
House organ. Bethlehem Fabricators, Inc. 230,301; July 19; Serial No. 243,640; published May 10, 1927.
House organ. Stanco Distributors, Inc. 230,281; July 19; Serial No. 246,716; published May 10, 1927.
Magazine. American Trade Publishing Co. 230,264; July 19; Serial No. 246,880; published May 10, 1927.
Magazine. Constructive Publishing Corporation. 230,271; July 19; Serial No. 246,394; published May 10, 1927.
Magazine. Dell Publishing Company. 230,339; July 19; Serial No. 240,345; published Jan. 11, 1927.
Magazine. Dugan Brothers, Inc. 230,273; July 19; Serial No. 246,469; published May 10, 1927.
Magazine. L. E. McIlvain. 230,381; July 19; Serial No. 245,445; published May 10, 1927.
Magazine. McQuiddy Printing Company. 230,380; July 19; Serial No. 245,446; published May 10, 1927.
Magazine. H. S. Pace. 230,276; July 19; Serial No. 246,021; published May 10, 1927.
Magazine. Textile Publishing Company. 230,282; July 19; Serial No. 246,722; published May 10, 1927.
Magazine. J. T. Wood. 230,284; July 19; Serial No. 246,799; published May 10, 1927.
Magazine or periodical. J. Shepherd Clark Company. 54,849; renewed July 31, 1926.
Magazines. Western Construction News, Inc. 230,232; July 19; Serial No. 244,806; published May 10, 1927.
Newspaper. Troy Record Company. 230,263; July 19; Serial No. 246,860; published May 10, 1927.
Newspaper articles. Troy Record Company. 230,262; July 19; Serial No. 246,859; published May 10, 1927.
Periodical. Prairie Farmer Pub. Co. 230,265; July 19; Serial No. 246,930; published May 10, 1927.
Publication. America Press. 230,260; July 19; Serial No. 246,804; published May 10, 1927.
Publication. America Press. 230,285; July 19; Serial No. 246,802; published May 10, 1927.
Publication. Marine Journal Co. 230,261; July 19; Serial No. 246,840; published May 10, 1927.
Publication. Miller-Roth, Incorporated. 230,390; July 19; Serial No. 245,854; published May 10, 1927.
Publication. N. Rushton. 230,303; July 19; Serial No. 243,785; published May 10, 1927.
Publication. Williams Oil-O-Matic Heating Corporation. 230,269; July 19; Serial No. 246,375; published May 10, 1927.
Publications. A. G. Young. 230,369; July 19; Serial No. 235,767; published May 10, 1927.

CLASS 39.

Boots and shoes, Leather. Selz, Schwab & Company. 65,864–6; renewed Oct. 29, 1927.
Clothing. Bird, Jones & Kenyon. 65,268; renewed Sept. 17, 1927.
Neckties and cravats. Standard Neckwear Company. 230,415; July 19.
Shirts, collars and cuffs. James McCreery & Co. 30,179; renewed June 15, 1927.

CLASS 42.

Cloth, Shade. Rasch & Gainor. 230,277; July 19; Serial No. 246,630; published May 10, 1927.
Cotton and linen bed sheets, pillowcases, bedspreads, etc. Kaufmann Department Stores, Inc. 230,343; July 19; Serial No. 241,287; published May 10, 1927.
Cotton duck in the piece. William L. Barrell Co. of New York, Inc. 230,307; July 19; Serial No. 244,972; published May 10, 1927.
Cotton goods in the piece. Inman Mills. 230,248; July 19; Serial No. 245,558; published May 10, 1927.
Handkerchiefs. Acheson Harden Co. 230,386; July 19; Serial No. 246,994; published May 10, 1927.
Rayon fabric in the piece. Fred Butterfield & Co. Inc. 230,385; July 19; Serial No. 247,001; published May 10, 1927.
Rugs. Marshall Field & Company. 230,400; July 19.
Rugs. Marshall Field & Company. 230,405–6; July 19.
Sheetings. Abbeville Cotton Mills. 230,204; July 19; Serial No. 213,542; published Mar. 8, 1927.
Silk goods. C. K. Eagle & Co. 230,413; July 19.
Textile fabrics. Duplan Silk Corporation. 230,247; July 19; Serial No. 245,428; published May 10, 1927.
Textile fabrics. Oriental Silk Printing Company. 230,258; July 19; Serial No. 246,562; published May 10, 1927.
Velvets in the piece. Max Fiest, Inc. 230,347; July 19; Serial No. 236,923; published May 10, 1927.

CLASS 44.

Belts for therapeutic use, Electroradium. B. R. Charles. 230,309; July 19; Serial No. 244,985; published May 10, 1927.
Dental alloys. Baker & Co. Inc. 230,379; July 19; Serial No. 245,464; published May 10, 1927.
Device adapted to be inserted in the auditory canal of the ear to occlude extraneous noises and induce sleep. C. H. Low. 230,234; July 19; Serial No. 246,035; published May 3, 1927.
Electrically-driven small compressors and inhaling apparatus. E. Silten. 230,382; July 19; Serial No. 245,663; published May 3, 1927.

Insoles. Scholl Mfg. Co. Inc. 230,218; July 19; Serial No. 244,244; published May 10, 1927.
Instrument for diagnosis, etc. F. C. Ellis. 230,333; July 19; Serial No. 237,795; published May 3, 1927.
Manicure sets. G. A. Tipton. 230,362; July 19; Serial No. 245,235; published May 10, 1927.
Needles, Hypodermic. Ransom & Randolph Co. 230,424; July 19.
Sanitary napkins. Associated Druggists of New Jersey. 230,288; July 19; Serial No. 241,856; published May 10, 1927.
sanitary napkins. Venus Corporation. 230,366; July 19; Serial No. 230,958; published June 8, 1926.

CLASS 45.

Beverages. J. M. Kosik. 230,438; July 19.
Beverages and ginger ale. W. C. Fullen Beverage Company. 230,445; July 19.
Beverages and sirups, extracts, and concentrates for making the same. Theonett & Co. 230,432; July 19.
Grape juice. Church Mfg. Co. 230,427; July 19.

CLASS 46.

Beef, mutton, lamb, veal, etc. Federal Packing Co. 230,367; July 19; Serial No. 234,571; published May 3, 1927.
Bread. Doctors' Essential Foods Co. 230,391; July 19; Serial No. 245,831; published May 10, 1927.
Bread. Kommanditbolaget Spis- & Knäckebrödsfabriken Kronan, Barthel Kock. 230,207; July 19; Serial No. 227,022; published May 10, 1927.
Bread. Wheat Fruit Cereal Company. 230,283; July 19; Serial No. 246,793; published May 10, 1927.
Bread, cakes, and cookies. Aenchbacher Bros. 230,209; July 19; Serial No. 227,336; published May 10, 1927.
Candy. Alberta Candy Co. Inc. 230,388; July 19; Serial No. 245,606; published May 10, 1927.
Candy. C. Cummings. 230,236; July 19; Serial No. 246,153; published May 10, 1927.
Candy. Grinnell Brothers, Inc. 230,407; July 19.
Candy bars. F. A. Martoccio Company. 230,215; July 19; Serial No. 246,300; published May 10, 1927.
Canned crab meat, berries, wheat flour, canned vegetables, canned fruits, etc. Nicholson Thackray Company. 230,302; July 19; Serial No. 243,723; published May 3, 1927.
Canned fish, fruits, and vegetables. Van Landingham Co. 230,205; July 19; Serial No. 223,978; published June 22, 1926.
Canned fruits, vegetables, and meats. Hudson & Co. 29,876; renewed Apr. 20, 1927.
Cheese. B. Knecht. 230,410; July 19.
Cocoa. André Chetelat Co. 230,266; July 19; Serial No. 246,325; published May 10, 1927.
Cocoa. Pennsylvania Chocolate Company. 230,199; July 19; Serial No. 159,528; published May 3, 1927.
Cocoa, chocolate, candy, etc. Rowntree & Company. 230,315; July 19; Serial No. 242,441; published May 3, 1927.
Coffee. Pearl Coffee Company. 230,290; July 19; Serial No. 242,330; published May 10, 1927.
Confection. B. F. West. 230,393; July 19; Serial No. 245,768; published May 10, 1927.
Cookies. J. S. Ivins' Son, Inc. 230,403; July 19.
Crackers. M. Hokanson. 230,351; July 19; Serial No. 233,824; published Mar. 22, 1927.
Crackers, cakes, cookies, preserves, etc. Sanitary Food Manufacturing Company. 230,336; July 19; Serial No. 239,771; published May 3, 1927.
Dairy products. "Y & B" Corporation. 230,368; July 19; Serial No. 234,809; published May 10, 1927.
Dextrose. Dextrose Co. Inc. 230,296; July 19; Serial No. 228,808; published May 3, 1927.
Flour, Rye. Washburn Crosby Company. 230,227; July 19; Serial No. 244,584; published Apr. 26, 1927.
Flour, Wheat. Larabee Flour Mills Company. 230,337; July 19; Serial No. 240,035; published May 10, 1927.
Flour, Wheat. Russell-Miller Milling Co. 230,237–8; July 19; Serial No. 246,179–80; published May 10, 1927.
Food, Dog. Old Trusty Dog Food Company. 230,196; July 19; Serial No. 244,093; published May 10, 1927.
Food for dogs, cats, and other carnivorous animals, Prepared. Chappel Bros., Inc. 230,270; July 19; Serial No. 246,389; published May 10, 1927.
Foods. Carroll, Brough & Robinson. 65,801; renewed Oct. 22, 1927.
Foods. Oliver-Finnie Co. 64,921; renewed Aug. 27, 1927.
Fruits, Dried. Reiss & Brady. 59,928; renewed Jan. 22, 1927.
Fruits, Fresh citrous. Manatee County Citrus Sub-Exchange. 230,299; July 19; Serial No. 243,614; published May 10, 1927.
Fruits, Fresh citrous. Tule River Citrus Association. 230,332; July 19; Serial No. 237,712; published Jan. 18, 1927.
Grapes, Fresh. P. S. Gray. 230,275; July 19; Serial No. 246,607; published May 10, 1927.
Gum, Chewing. Goudey Gum Co. 230,272; July 19; Serial No. 246,401; published May 10, 1927.
Ice cream. Florida Milk Co. 230,404; July 19.
Ice-cream confections, etc. R. H. Seipel. 230,201; July 19; Serial No. 197,908; published May 3, 1927.
Jell powder. Kroger Grocery and Baking Company. 230,384; July 19; Serial No. 245,646; published May 3, 1927.
Jelly powder. McLarens Limited. 230,231; July 19; Serial No. 244,705; published May 3, 1927.
Marshmallows. Richlite Products Co. 230,345; July 19; Serial No. 241,679; published May 10, 1927.
Melons and fresh vegetables. J. Katekaru. 230,210; July 19; Serial No. 227,357; published May 10, 1927.
Milk, Pasteurized. J. D. Rossell Company. 230,193; July 19; Serial No. 227,910; published May 10, 1927.
Oats, cocoa, dates, mincemeat, etc., Rolled. Henry Borgsmiller & Sons. 230,321; July 19; Serial No. 243,192; published May 3, 1927.
Oleomargarine. Jaburg Brothers, Inc. 230,214; July 19; Serial No. 246,289; published May 10, 1927.
Oranges, lemons, and grapefruit. Sierra Madre-Lamanda Citrus Association. 230,350; July 19; Serial No. 234,537; published Sept. 7, 1926.
Pepper sauce. B. F. Trappey & Sons. 230,395; July 19; Serial No. 245,762; published May 3, 1927.
Plum pudding. Mrs. J. Eldridge, jr. 230,318; July 19; Serial No. 242,988; published May 3, 1927.
Pork products, Smoked. Albany Packing Co. 230,418; July 19.
Pork sausage, frankforts, and bologna. Sperry & Barnes Company. 230,412; July 19.
Sausage. Arnold Bros. Inc. 230,426; July 19.
Sausage, Liver. Arnold Bros. Inc. 230,425; July 19.
Sirup, Table. J. Montgomery. 230,377; July 19; Serial No. 245,507; published May 3, 1927.
Spaghetti, vermicelli, macaroni, and noodles. A. Zerega's Sons, Consolidated. 65,236; renewed Sept. 17, 1927.

CLASS 48.

Beverage, Malt. Buffalo Products Co. 230,443; July 19.
Malt extract. G. Z. Haddad. 230,414; July 19.

CLASS 50.

Cellulosic material, Manufactured. E. B. Thomas. 230,341; July 19; Serial No. 240,630; published May 3, 1927.
Chromium plate. Vacuum Can Company. 230,300; July 19; Serial No. 243,631; published May 3, 1927.
Cork material. Armstrong Cork Company. 230,324; July 19; Serial No. 243,409; published May 3, 1927.
Stepladders and stepladder stools. J. R. Clark Company. 230,289; July 19; Serial No. 241,927; published May 3, 1927.
Wind vanes. F. Luipersbek. 230,374; July 19; Serial No. 245,278; published May 10, 1927.

ALPHABETICAL LIST OF LABELS.

Amie Jane Chocolate Coconnut Creme. For Candy. Roberts-Frink Company. 32,473; July 19.
Arctic Malt Extract. For Malt Extracts for Food Purposes. F. Del Greco. 32,461; July 19.
Bear. For Oranges. Citrus Fruit Ass'n. of Ontario. 32,460; July 19.
Blechman's Special Foaming Hair Tonic. For Hair Tonic. E. Blechman. 32,456; July 19.
Blue Anchor. For Malt Sirup. H. Kasser. 32,466; July 19.
California Padres. For Wine Elixir Tonic. Val Bros. 32,479; July 19.
Camel Malt Extract. For Malt Extracts for Food Purposes. F. Del Greco. 32,462; July 19.
Chuckles. For Candy. Fred W. Amend Co. 32,453; July 19.
Delicia. For Oranges. Anaheim Orange & Lemon Ass'n. 32,454; July 19.
E-Z Furniture Finish. For Liquid Polish for Leather and for Varnished and Similar Surfaces. F. Merchie. 32,468; July 19.
Fernet-Branca. For a Medicinal Preparation—Namely, an Anticholera Tonic Remedy. Fratelli Branca & Co. 32,457; July 19.
Fleur De Orient Toilet Water. For Toilet Water. E. Blechman. 32,455; July 19.
Florida Honey. For Honey. Tim Tietsema. 32,477; July 19.
Golden Hill. For Corn Sirup and Sorghum Blend. Penick & Ford Limited Incorporated. 32,472; July 19.
Grandma's. For Cakes. Lanta Bros. Baking Co. 32,467; July 19.
Jiffy Malt. For a Liquid Chocolate-Flavored Malted Milk. Weber Bros. Co. 32,481; July 19.
Keystone Velvet Face Powder. For a Face Powder. A. E. Watkins. 32,480; July 19.

Lusk's Luscious. For Canned Fruits for Salad. California Canneries Company. 32,458; July 19.
More Health. For Chocolate Sirup. Chocolate Products Co. 32,459; July 19.
Noma Decorative Lighting Outfit. For Christmas-Tree Outfits. Noma Electric Corporation. 32,471; July 19.
Parachute. For Oranges. H. Jevne Co. 32,464; July 19.
Pot-O'-Gold. For Oranges. H. Jevne Co. 32,465; July 19.
President Lincoln. For Coffee, Tea, and Spices. F. W. Nelson. 32,470. July 19.
Royal Hawaiian Fruits. For Canned Pineapple Jam. Munro, Ltd. 32,469; July 19.
Schoenhut's Jazz Orchestra Bells. For Jazz Orchestra Bells. A. Schoenhut Company. 32,475; July 19.
Schoenhut's Submarine Game. For a Game. A. Schoenhut Company. 32,474; July 19.
The Stevens. For Cigars. E. J. Stevens. 32,476; July 19.
Tim's Cap. For Tim's Caps. Tim's Cap Corporation. 32,478; July 19.
Unoit. For Soap. "It" Products Co. 32,463; July 19.

ALPHABETICAL LIST OF PRINTS.

A Famous Coffee With a Famous Name. For Coffee. Closset & Devers. 10,068; July 19.
A Graceful Interpretation of the Current Mode is Offered in This Ornament Created by Black, Starr & Frost. For Jewelry. Black, Starr & Frost. 10,062; July 19.
Buy Fit—Wear—Coolness—Comfort! For Athletic Underwear. B. V. D. Company. 10,064; July 19.
Clown Juggler. For Inks. Charles Eneu Johnson and Company. 10,071; July 19.
Coach. For Printing Inks. Charles Eneu Johnson and Company. 10,072; July 19.
Good Fit and Good Feeling. For Athletic Underwear. B. V. D. Company. 10,065; July 19.
Ink Cans. For Ink. Charles Eneu Johnson and Company. 10,073; July 19.
Jockey. For Inks. Charles Eneu Johnson and Company. 10,074; July 19.
Join the Cool-Club! For Athletic Underwear. B. V. D. Company. 10,067; July 19.
Locomotive. For Printing Inks. Charles Eneu Johnson and Company. 10,075; July 19.
Mike O'Meter. For Piston Rings. Piston Ring Company. 10,080; July 19.
Professor. For Inks. Charles Eneu Johnson and Company. 10,076; July 19.
Results Count. For Gaskets and Packings and Similar Products. Stewart R. Browne Mfg. Co. 10,063; July 19.
Steamboat. For Printing Inks. Charles Eneu Johnson and Company. 10,077; July 19.
Stephen Girard. For Printing Inks. Charles Eneu Johnson and Company. 10,078; July 19.
The Hardest Crop to Raise! For Wheat Breakfast Food. Cream Of Wheat Co. 10,069; July 19.
The Rest of The World is Yours. For Pillows. Chas. Emmerich & Co. 10,070; July 19.
Tiger. For Inks. Charles Eneu Johnson and Company. 10,079; July 19.
Tim's. For Tim's Caps. Tim's Cap Corporation. 10,082; July 19.
Today Only. For Prints. T. D. Taylor. 10,081; July 19.
When the Weather Man Falls Down. For Athletic Underwear. B. V. D. Company. 10,066; July 19.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. J. D. Moyer. 241,348; July 19.
Coal. Western Coal & Coke Co. 249,626; July 19.
Leather, Dressed. E. Traub. 244,821; July 19.
Leather made of fish skins. A. E. McLean. 249,135; July 19.
Limestone. Weeping Water Stone Co. 248,945; July 19.
Seeds of all kinds. E. J. Crane. 249,045; July 19.

CLASS 2.

Bottles, Vacuum. Guth, Stern & Co. 249,475; July 19.
Boxes, Packing. David M. Lea & Company. 249,130; July 19.
Cans or receptacles, Sanitary refuse. Enterprise Tinware Co. Inc. 249,164; July 19.
Containers, Folding paper. A. J. Tanner. 248,735; July 19.

CLASS 3.

Bags, Ladies' hand. Strand Hand Bag Co. 249,682; July 19.
Bags, Leather, hand, money, change, and traveling. Bedell Company. 241,806; July 19.

CLASS 4.

Cleaner preparation, Hand-. J. J. Sammon. 249,194; July 19.
Cleaning lacquered and enameled finishes, Chemically-treated cloths for. E. C. Walker. 249,623; July 19.
Cleanser, Liquid. Puritan Chemical Company. 249,602; July 19.
Cleansing and washing compound. Oakite Products, Inc. 249,959; July 19.
Detarnishing, cleaning, and polishing compound for metal ware. Britenall Manufacturing Co. 247,673; July 19.
Dressing, Belt and brake. B. and H. Engineering Laboratories. 230,709; July 19.
Dressing for leather, Liquid. Wilder & Company. 249,826; July 19.
Preparation for polishing silver, nickel, etc. Harry C. Clarke & Co. 248,673; July 19.
Soap. Colgate & Company. 250,011; July 19.
Soap. Renard, Inc. 249,541; July 19.
Soap. Wm. Waltke & Co. 239,156; July 19.
Soap flakes. Colgate & Company. 250,012; July 19.
Soap pastes. Rico Laboratories. 249,096; July 19.
Soap, Powdered laundry. John R. Mitchell & Son Inc. 245,855; July 19.
Washing powder. Procter & Gamble Company. 248,792; July 19.

CLASS 5.

Adhesive fluid, Compound. A. G. Penman. 244,786–7; July 19.

CLASS 6.

Antiseptic, deodorizing, cleansing, and scouring compounds. F. A. McGowan. 250,467; July 19.
Baking powder. C. M. Prarie. 249,488; July 19.
Chemical preparation. Puritan Chemical Company. 249,603; July 19.
Compound for the treatment of rheumatism, etc. H. Z. Kroser. 249,480; July 19.
Compound used as a vulcanization accelerator in the curing of rubber articles. Rubber Service Laboratories Company. 250,143; July 19.
Compounds, Fumigating. California Cyanide Company. 250,598–600; July 19.
Cosmetics. Marcia, Inc. 231,115; July 19.
Cream rouge for the lips and lip stick. J. Lesquendieu. 243,865; July 19.
Creams, perfumes, and hair tonics, Facial. B. Harrington. 245,555; July 19.
Disinfectant, cleanser, deodorant, and bleach, Liquid. Safety Fumigant Company. 250,098; July 19.
Douche powder. C. R. Canfield. 250,227; July 19.
Dyestuffs. General Dyestuff Corporation. 249,116; July 19.
Fertilizers. Uniform Products Company. 250,581–3; July 19.
Hair restorer. G. N. Field. 248,892; July 19.
Incense. S. Korn. 245,442; July 19.
Insecticide. Western Laboratories, Inc. 249,029; July 19.
Insecticide, Agricultural. Nitrate Agencies Company. 250,562; July 19.
Insecticides. Uniform Products Company. 250,580; July 19.
Laxatives. Remedy Products, Inc. 249,440; July 19.
Liniment. S. Kramer. 249,277; July 19.
Medicinal compound. Mrs. M. C. Shepherd. 247,648; July 19.
Medicinal preparation. G. A. Fairly. 234,386; July 19.
Medicinal preparations. P. L. Mavrelis. 249,359; July 19.
Medicine. "It" Products Co. 249,067; July 19.
Medicine. Geo. H. Lee Co. 249,856; July 19.
Medicine for fowls. I. D. Russell. 249,444; July 19.
Medicine, Lung, throat, and bronchial. Baker Drug Company. 250,429; July 19.
Moth preventives, insecticides, and vermin exterminators. Ratin Laboratory, Inc. 245,863; July 19.
Mouth wash and tooth paste. G. B. Clement. 248,953; July 19.
Narcotics. I. G. Farbenindustrie Aktiengesellschaft. 249,580; July 19.
Ointment. Central West Laboratories. 249,704; July 19.
Ointment. W. Saunders. 248,977; July 19.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ointment for the treatment of skin diseases. Derma-Rex Company. 248,479; July 19.
Perfume, sachets, face powder, etc. Fuller and Fuller. 248,095; July 19.
Perfume, toilet water, and face powder. Chanel, Inc. 250,162–3; July 19.
Perfume, toilet water, face powder, and sachet. Bourjois, Inc. 247,594; July 19.
Perfumery. J. A. Johnson. 174,364; July 19.
Perfumes and toilet preparations. L. Lelong. 230,178; July 19.
Perfumes, lotions, toilet waters, etc. Gabilla, Incorporated. 249,114–15; July 19.
Perfumes, toilet water, brilliantine, etc. Oriza L. Legrand, Inc. 250,245; July 19.
Perfumes, toilet waters, hair lotions, complexion powders, etc. L. Lelong. 238,379; July 19.
Pills and tablets, Tonic. L. P. Wilson. 242,036; July 19.
Plaster, liniment, and cough medicine, Healing. M. T. Onstrand. 246,704; July 19.
Powder, brown-skin powder, cold cream, rouge, etc., Face. J. R. Watkins Company. 249,248; July 19.
Preparation for indigestion and stomach trouble. P. J. Sherman. 249,240; July 19.
Preparation made from leeches. E. Sachsse & Co. 246,934; July 19.
Preparation to prevent and destroy moths. Comer Manufacturing Company. 247,263; July 19.
Preparation used for the treatment of falling hair, etc. J. C. Thompson. 249,616; July 19.
Preparations for the treatment and relief of burns, scalds, wounds, etc. Picroleine Products Co. 248,591; July 19.
Remedy for coughs and colds, Home. Mathieu & Smith. 244,620; July 19.
Roach, ant, rat, and mouse exterminator. De Soto Chemical Co. 231,986; July 19.
Spray, Plant. McLaughlin-Gormley-King Company. 250,468; July 19.
Suppositories. C. Koeltze. 240,123; July 19.
Toilet preparation. Yvette Co. 243,736; July 19.
Toilet preparations. W. Klefft. 245,726; July 19.
Toilet water. Keek Company. 250,547; July 19.
Tonic and hairdressing, Hair. Amendola Brothers, Inc. 248,870; July 19.
Tonic and hairdressing, Hair. Queen Lilo Hair Tonic Co. 249,866; July 19.
Tonic, General. Iceland Medicine Company. 249,727; July 19.
Tonic, Hair. C. E. Cochenour. 247,410; July 19.
Tonics, Hair. Terminal Barber Shops, Inc. 248,655–6; July 19.

CLASS 8.

Match holders and ash trays, cigarette holders, etc., Combination. Roycrofters. 246,439; July 19.
Permeators in the nature of humidors and cartridges for the same. Kool Kist Company. 232,571; July 19.
Pipes, Tobacco. W. P. Solomon. 249,932; July 19.

CLASS 9.

Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. 249,908; July 19.

CLASS 11.

Carbon paper and typewriter ribbons. Franklin-Kelly Company. 248,562; July 19.

CLASS 12.

Brick. Acme Brick Company. 249,458; July 19.
Brick. E. V. Poston. 249,538; July 19.
Cement, Portland. Associated Portland Cement Manufacturers, Limited. 249,253; July 19.
Compound to be applied to walls, floors, or ceilings for waterproofing purposes. D. C. White. 246,010; July 19.
Concrete, Manufactures of a lightweight. Novocrete and Cement Products Company Limited. 245,512; July 19.
Joist and wall hangers, post caps and bases. Consolidated Iron-Steel Manufacturing Company. 249,892; July 19.
Lime, Colored. Ohio Lime & Stone Company. 247,094; July 19.
Shingles of wood. W. G. Wheeler. 249,686; July 19.
Wallboard, Heat-insulating. James Manufacturing Company. 248,235; July 19.

CLASS 13.

Cookers, Base-metal food. Tasty Cooker Company, 248,264; July 19.
Nails. Keystone Steel & Wire Company. 248,844; July 19.
Valves, Cores for pneumatic tire. Chicago Nipple Manufacturing Co. of California. 246,077; July 19.
Wire fabric for screening purposes. W. S. Tyler Company. 249,683; July 19.

CLASS 14.

Aluminum and aluminum-base alloys, Duplex. Aluminum Company of America. 249,691; July 19.
Metal alloys. Hills-McCanna Company. 229,681; July 19.
Metals and metal armor for vehicles and ships and structural elements, Ferrous. American Armor Corporation. 232,646; July 19.
Wire, Welding. E. D. Giberson & Company. 248,631; July 19.

CLASS 15.

Gasoline and motor oils. Public Service Filling Stations, Inc. 249,237; July 19.
Gasoline, kerosene, fuel oils, and motor oils and greases. J. F. Kissan. 248,637; July 19.
Gasoline, kerosene, lubricating oil and grease. Michigamme Oil Company. 249,231; July 19.
Greases, Lubricating. Adam Cook's Sons, Inc. 243,751; July 19.
Kerosene. Peerless Oil & Refining Company. 250,262; July 19.
Oil, Lubricating. Pan American Petroleum Company. 250,418–19; July 19.
Oils and greases, Lubricating. Jas. J. Matthews Co. 250,251; July 19.
Oils and greases, Motor. Mich-I-Penn Oil & Grease Company. 250,255; July 19.
Oils, greases, waxes, etc. Vacuum Oil Company. 246,578; July 19.
Oils, Lubricating. Richfield Oil Company of California. 249,867; July 19.
Petroleum and products of petroleum. Standard Oil Company of New York. 249,871; July 19.
Petroleum, kerosene, gasoline, naptha, lubricating oils, etc. Lion Oil Company. 249,973; July 19.
Wax, Mineral. Standard Oil Company. 250,103; July 19.

CLASS 16.

Lacquers, paint enamels, and thinners. T. J. Ronan Co. 248,796; July 19.
Paint remover. S. Ishiyama. 234,124; July 19.
Paints and enamels. Wadsworth Howland & Co. Incorporated. 249,451–2; July 19.
Paints of every description. O'Neil Duro Company. 243,725; July 19.
Paints, Roof. Kling-Tite Paint Products Company. 228,319; July 19.
Polish for automobile bodies, etc. Clark & Phinisey Company. 248,347; July 19.
Polish for furniture, automobile bodies, and the like, Liquid. Yankee Dandy Products Co. 248,868; July 19.
Polishing compounds. Satiniac Co. Inc. 248,330; July 19.
Primers, surfacers, primer surfaces, and varnishes. Valentine & Company. 250,051; July 19.
Putty. D. E. Papenfus. 248,716; July 19.
White lead and ready-mixed paints. John Lucas & Co. 248,960; July 19.

CLASS 17.

Cigarettes. S. Andelenis. 230,910; July 19.
Cigars. H. Goldring. 249,348; July 19.
Cigars. Postal Cigar Company. 248,722; July 19.
Cigars. G. A. Strobeck. 250,210; July 19.
Snuff. Brown & Williamson Tobacco Corporation. 250,380; July 19.
Snuff. Brown & Williamson Tobacco Corporation. 250,393–4; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,368; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,370; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,372–4; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,376–7; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,382–3; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,385; July 19.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 250,387–90; July 19.

CLASS 19.

Auto seat covers. Nathan Novelty Mfg. Co. 231,060; July 19.
Automobiles, Passenger-carrying. Willys-Overland Company. 249,827–8; July 19.
Carriages, Baby. Bilt-Rite Baby Carriage Co. 250,674; July 19.
Vehicle bodies and parts thereof. Hoover Body Company. 246,903; July 19.

CLASS 20.

Rugs, Felt base floor. Goldenberg's. 245,708; July 19.

CLASS 21.

Electric lights and circuit interrupters for Christmas-tree decoration, electric cigarette lighters, etc., Sets of. General Appliance Corporation. 249,057; July 19.

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Electrical conducting cables. Safety Cable Company. 249,300; July 19.
Lamps, Electric. Cello, Inc. 249,154; July 19.
Radio receiving sets and transmitting sets, and parts thereof. A. H. Grebe & Co. 231,259; July 19.

CLASS 22.

Bows, arrows, quivers, and arm guards. P. Rounsevelle. 248,650; July 19.
Cards, baseball bats, toy canes, dolls, toy balloons, etc., Playing. Moxie Company. 231,747; July 19.
Cards, Playing. A. Dougherty. 250,015–16; July 19.
Fishline reels. General Industries Company. 250,409; July 19.
Game, Ball. Red Poppy Mfg. Co. 241,001; July 19.
Game, Clock-golf. Premier Sport Products, Incorporated. 249,094; July 19.
Golf balls. Alfred Field & Co. 249,880; July 19.
Golf tees. Acushnet Process Company. 250,590; July 19.
Skates, Roller. Kohler Die & Specialty Company. 250,083; July 19.
Toy animals. H. M. Dickins. 249,574; July 19.
Toy animals, Stuffed. Margarete Steiff, Inc. 249,872; July 19.
Toy wagons, carts, automobiles, etc. E. H. Chein. 247,169; July 19.
Toys, Novelty. I. H. Fishelov. 249,963; July 19.

CLASS 23.

Agitators, ball mills, classifiers, conditioners, coolers, etc. Denver Equipment Company. 247,416; July 19.
Apparatus for making emulsions of oil and water. Ally Company. 232,060; July 19.
Bearings. J. Leslie Morris Company. 249,131; July 19.
Binding, stapling, and tacking machines. Markwell Manufacturing Co. Inc. 228,822; July 19.
Cutter heads, thread-cutting machines, cutters therefor, and parts thereof. Landis Machine Company. 243,316; July 19.
Cutting machines. International Register Company. 247,589; July 19.
Dust collectors. Northern Blower Company. 248,317; July 19.
Files. Carver File Company. 245,829; July 19.
Files and shear grinders. C. L. Banks. 250,219; July 19.
Fire-extinguishing apparatus, Portable hand. Knight & Thomas, Inc. 247,740; July 19.
Hammers. Champion de Arment Tool Company. 246,886; July 19.
Hardware, Heavy. Boston & Lockport Block Company. 238,568; July 19.
Knives, High-speed-steel machine. Wapakoneta Machine Co. 249,310; July 19.
Lifting devices for carrying ice-cream cans, Hand. S. B. Whiteside. 246,580; July 19.
Machinery, steel turbines, etc., Special. Newport News Shipbuilding and Dry Dock Company. 232,738; July 19.
Motors, Spring. General Industries Company. 249,582–4; July 19.
Mufflers and cut-outs for internal-combustion engines and parts of the same. J. E. Goerlich. 248,895–6; July 19.
Packaging machinery. J. L. Ferguson Company. 235,200; July 19.
Plated cast and forged metal plates and dies. F. N. Steffens. 245,592; July 19.
Railway-track oiler and spraying machines and railroad spreaders. O. F. Jordan Company. 249,068; July 19.
Typesetting machines, Automatic. Typographic Machines Co. 250,105; July 19.
Vaporizer devices. Mechanical Specialty Co. 247,904; July 19.
Whistles, Exhaust-operated automobile. S. T. Jessop Co. 249,426; July 19.
Wrenches. Champion de Arment Tool Company. 246,887; July 19.
Wrenches. John A. Roebling's Sons Company. 249,868; July 19.

CLASS 25.

Keyhole lock. S. J. Hoff. 248,774; July 19.

CLASS 26.

Films, Motion-picture. Hearst News Service, Inc. 249,851; July 19.
Photographic-copying machines. F. G. Mortelmans. 243,820; July 19.

CLASS 27.

Watches. Gruen Watch Company. 248,901; July 19.
Watches. Smith America Inc. 248,937; July 19.
Watches and parts thereof. Diel Watch Case Co. 249,894; July 19.
Watches and parts thereof. Alex. Sabin & Sons. 249,753; July 19.
Watches and watch movements. Korones Brothers. 248,913; July 19.
Watches, movements, and cases for. L. Adels. 250,151; July 19.
Watches, watchcases, and watch movements. Katz & Ogush, Inc. 249,856; July 19.

CLASS 28.

Bracelets for wrist watches. Tomchin & Levinson, Inc. 248,066; July 19.
Jewelry for personal wear. Theta Kappa Nu Fraternity. 239,437; July 19.
Pins, badges, label buttons, cuff links, etc. Fraternity. International Fraternity of Delta Sigma Pi. 248,912; July 19.

CLASS 29.

Toothbrushes. L. Stamm. 250,721; July 19.

CLASS 31.

Freezers, Ice-cream. Belknap Hardware & Manufacturing Company. 249,941; July 19.
Refrigerator cabinets, Ice-cream. Grand Rapids Cabinet Company. 249,414; July 19.

CLASS 32.

Bedding. A. Wuest. 226,322; July 19.
Cabinets, sectional kitchen, wall, etc., cabinets, Kitchen. Hartman Wholesale Corporation. 238,973; July 19.
Desks, filing cabinets, and parts thereof. Clemetsen Company. 244,743; July 19.
Furniture, Drafting-room. Hamilton Manufacturing Company. 249,223; July 19.
Mattresses. Bailey-Schmitz Co. Inc. 248,272; July 19.
Mattresses and bed springs. National Spring & Wire Co. 248,711–12; July 19.
Mattresses, box springs, and bed pillows. Balyeat Manufacturing Company. 249,692; July 19.
Mirrors. Louis Bierfeld Company. 247,954; July 19.
Pillows. M. Kohn. 247,089; July 19.
Racks, Book. Lefebure Corporation. 247,899; July 19.
Show cases, wardrobes, shelving, tables, racks, etc. Grand Rapids Store Equipment Corporation. 249,063; July 19.
Tables. C. Lahatte. 243,862; July 19.
Upholstery springs and spring fillers. Bridgeport Chain Company. 249,111; July 19.

CLASS 33.

Glass table and counter tops, wainscoting, plate and sheet glass, etc. Wells Glass Company. 250,657; July 19.

CLASS 34.

Burners, Liquid-fuel. Rotair Burner Corporation. 249,097; July 19.
Heating plants, Fuel economizer for. R. P. King. 249,662; July 19.
Humidifiers, air moistening, washing, purifying, cooling, and air-conditioning apparatus. Zephyr Washed Air Company. 249,829; July 19.

CLASS 35.

Jar rings. Cupples Company Manufacturers. 226,334; July 19.
Washers. E. S. Wagenseller. 249,395; July 19.

CLASS 37.

Duplicating machines. Westenhoff & Co. 210,595; July 19.
Envelopes, letterheads, invoices, etc., Mailing. C. J. Lincoln. 247,029; July 19.
Envelopes, writing tablets, waxed and wrapping paper, Mailing. Griggs, Cooper & Company. 231,863; July 19.
Order slip and bottle closure, Combination. A. E. Richardson. 249,601; July 19.
Paper, Book. Graham Paper Company. 245,905; July 19.
Paper sealing, veneer, and stay tapes, Gummed and ungummed. Chicago Gum Tape Company. 246,331; July 19.
Paper, Toilet. Hoberg Paper & Fibre Company. 248,684–6; July 19.
Paper, Toilet. Hoberg Paper & Fibre Company. 248,999–91; July 19.
Paper wrappers, Printed. American Bread Wrapper Company. 230,705; July 19.
Paper, Writing and printing. Holyoke Card & Paper Company. 246,551; July 19.

CLASS 38.

Booklets, circulars, pamphlets, and calendars. Baltimore and Ohio Railroad Company. 249,403; July 19.
Cartoons, Series of. Tribune Company. 249,553; July 19.
Magazine. Marion Steam Shovel Company. 238,125; July 19.
Magazine. A. W. Shaw Company. 250,572; July 19.
Newspapers. Daily Review Corporation. 250,231; July 19.
Periodical. Dog and Cat Drug Stores, Inc. 249,842; July 19.
Periodical. Railway Equipment and Publication Company. 250,037–8; July 19.

Periodical. Standard Oil Company (New Jersey. 249,757; July 19.
Periodical and books. American Reforestation Association. 235,873; July 19.
Publication. Embroidery Manufacturers Association, Inc. 250,302; July 19.
Publication. Gross-Brennan, Inc. 250,238; July 19.
Publication. Kendall Mills Inc. 231,935; July 19.
Publication. M. D. Nicholson. 250,033; July 19.
Publication and periodical. Know St. Louis Publishing Co. 249,911; July 19.

CLASS 39.

Bloomers. Huntington Underwear Company. 247,319; July 19.
Boots and shoes. G. R. Kinney Co. 249,180; July 19.
Boots and shoes, Leather. Conrad Shoe Company. 242,879; July 19.
Caps, Bathing. B. F. Goodrich Company. 249,849; July 19.
Clothing, Men's and boys'. Ant-I-Wet Corporation. 245,076; July 19.
Coats for women and misses. Columbia Garment Co. 249,324; July 19.
Coats for women, Knitted sport. Bradley Knitting Company. 248,549; July 19.
Coats, Girls' and women's. Shapiro & Sons, Inc. 248,258; July 19.
Coats, jackets, hats, dresses, etc. Molter-Reinhard Co. 249,136; July 19.
Coats, Misses' and women's leatherette. Dayton Company. 248,956; July 19.
Coats, suits, jackets, etc., Ladies'. Flaster & Biller. 249,315; July 19.
Coats, vests, pants, and overcoats. Fashion Park, Inc. 249,517; July 19.
Corsets, girdles, corsetlets, etc. Standard Corset Company. 231,822; July 19.
Cravats, four-in-hand ties, bow ties, mufflers, and reefers. J. I. Gumport & Sons, Inc. 249,968; July 19.
Dresses. Famous Dress Company. 248,999; July 19.
Dresses. L. N. Gross Company. 247,537; July 19.
Dresses. L. N. Gross Company. 248,900; July 19.
Dresses and men's work shirts and overalls, Ladies'. Hart Company. 248,682; July 19.
Dresses, aprons, and nightgowns. House. Sobel & Miller. 249,611; July 19.
Dresses, aprons, smocks, etc. Parkway Mfg. Co. 248,192; July 19.
Dresses, blouses, underwear, and slips. Brohman Company. 244,814; July 19.
Garters. Blek Co. Mfgrs. 249,042; July 19.
Gloves. John Wanamaker Philadelphia. 248,943; July 19.
Gloves, Cotton fabric. Henderson Glove Company. 226,195; July 19.
Hats. Crofut & Knapp Co. 249,265; July 19.
Hats and caps, Men's. Levitt Hat Co. Inc. 248,504; July 19.
Hats, Ladies'. H. Levin. 231,551; July 19.
Hats, Ladies' and misses'. Perlmutter & Blumenfield. 249,289; July 19.
Hats, Women's. A. Levene. 246,168; July 19.
Heel liners. Pedox Produx, Inc. 217,293; July 19.
Hosiery. Lee & Cowan. 247,620; July 19.
Hosiery, Ladies'. Haines Hosiery Mills Inc. 248,568; July 19.
Neckties. Etablissements Paul Oimer & Cie. 243,354; July 19.
Outerwear, Men's and young men's. H. Shakin. 245,929; July 19.
Overalls. Neustadter Brothers. 246,218; July 19.
Pyjamas, union suits, undershirts, and drawers. T. F. Baulig. 249,832; July 19.
Raincoats, overcoats, sweaters, etc. Magnus Imports, Ltd. 246,916; July 19.
Shirts, Flannel, dress, negligee, and work. Fox-Knapp Mfg. Co. 248,893; July 19.
Shirts, Work. D. M. Oberman Mfg. Co. 249,091; July 19.
Shoe heels. Mound City Wood Heel & Mfg. Co. 249,743; July 19.
Shoes. Theron N. Ellings, Inc. 247,128; July 19.
Shoes. J. K. Orr Shoe Company. 249,189; July 19.
Shoes. Isaac Prouty & Company. 226,855; July 19.
Shoes and boots. Fasan Schuh Gesellschaft m. b. H. 250,120; July 19.
Shoes, Leather and cloth. Marks-Chandler Company. 248,918; July 19.
Stockings, Silk. Northmont Hosiery Corporation. 249,674; July 19.
Suits and overcoats. Louis Straus, Inc. 248,065; July 19.
Suits and overcoats, Men's and boys'. I. Yusem & Sons. 232,238; July 19.
Suits, coats, pants, knickers, and overcoats. Cohn-Himmel Company. 249,572; July 19.
Suits, coats, vests, and trousers. L. H. Manko. 245,504; July 19.
Suits, dresses, rompers, etc., Children's. Twinkies Specialty Company. 241,753; July 19.
Suits, Men's. Navytone Company. 249,367; July 19.
Sweaters, bathing suits, drawers, etc. Rugby Knitting Mills, Inc. 242,145; July 19.
Undergarment, Ladies'. Model Brassiere Co. 249,283; July 19.
Underwear. Waynesboro Knitting Company. 247,835; July 19.
Vests, coat vests, coats, and sport coats and blouses. United States Rubber Company. 249,555; July 19.

CLASS 40.

Appliqué. M. Goldberg. 247,428; July 19.
Buttons. G. W. Blank. 244,209; July 19.
Shoe laces. B. Cooper. 248,223; July 19.
Textile materials stamped in patterns for embroidering. Wm. H. Molter Co. 246,921; July 19.

CLASS 42.

Cloth, Chinchilla. Charlton Woolen Company. 246,665; July 19.
Cloth for all articles designed or used for protection of human beings, animals, or property from the elements, weather, etc. Brooks Tent & Awning Company. 248,671; July 19.
Cloth, Sugar-bag. Mente & Co. Inc. 242,735; July 19.
Cloths, textile bath mats, bedspreads, towels, etc., Face. A. S. Herrmann, Inc. 249,586; July 19.
Cotton and linen piece goods. M. Lowenstein & Sons, Inc. 250,248; July 19.
Cotton piece goods. Ashton & Co. (Estd. 1787) Limited. 249,773; July 19.
Cotton piece goods. Harris Company. 249,418; July 19.
Cotton piece goods. J. C. Penney Company. 250,185; July 19.
Curtains and draperies. D. Simon. 249,610; July 19.
Fabric valances. H. F. Walliser Company. 248,538; July 19.
Marquisettes. Warwick Mills. 247,765; July 19.
Nets, Hair. Theo. H. Gary Co. 249,219; July 19.
Pile fabrics. Sidney Blumenthal & Co. Inc. 246,588; July 19.
Pile fabrics. Sidney Blumenthal & Co. Inc. 246,590; July 19.
Silk and silk-mixture piece goods. Kronthal, Chertow & Corin. 250,464; July 19.
Silk fabrics. A. M. Turell Fabrics Corporation. 249,388–9; July 19.
Silk piece goods. Benrose Silk Mfg. Corp. 250,112; July 19.
Silk piece goods. Nemour Silk Corporation. 232,687; July 19.
Silk, rayon, and mixtures of these materials, Piece goods of. Duplan Silk Corporation. 250,491–2; July 19.
Silk, rayon, and mixtures of these materials, Piece goods of. Duplan Silk Corporation. 250,494–5; July 19.
Silk, wool, cotton, etc., piece goods. Bianchini, Ferier. 247,670; July 19.
Silks, satins, cotton fabrics, and collar cloth. M. Edwin Bry and Bro. 248,750; July 19.
Textile doilies and scarfs. O. A. Turner. 213,411; July 19.
Textile fabrics, Woolen. Atlantic Mills. 248,468; July 19.
Textile fabrics, Worsted and woolen. Holden-Leonard Company. 250,411; July 19.
Towels, bath mats, curtains, quilts, etc. Barlow & Jones, Limited. 248,873; July 19.
Woven piece goods. Forstmann & Huffmann Company. 250,169–70; July 19.
Woolen piece goods. Forstmann & Huffmann Company. 250,498–501; July 19.
Woolen piece goods. Forstmann & Huffmann Company. 250,504–6; July 19.
Woolen piece goods. Forstmann & Huffmann Company. 250,510–11; July 19.
Woolen textile fabrics. Atlantic Mills. 247,115–16; July 19.

CLASS 43.

Thread, Sewing white linen. I. Mir Rovira. 223,104; July 19.

CLASS 44.

Arch supports. A. B. De Ville. 249,646–7; July 19.
Dental gold. G. J. Weinstein. 244,965; July 19.
Electric-arc lamps used for therapeutic purposes. Sanitarium and Hospital Equipment Company. 248,729; July 19.
Electrotherapeutic pads and belts. J. Wieden. 248,337; July 19.
Glazing compound for porcelain bodies. Columbus Dental Mfg. Co. 232,189; July 19.
Medical, surgical, and similar bandages, etc., Textile fabric for use in. Griswoldville Mfg. Company. 249,722; July 19.
Pads or sheets for removing cold cream, Absorbent. Cellucotton Products Company. 228,804; July 19.
Sanitary neckbands. Hospital Specialty Co. 249,175; July 19.
Surgical dressings, gauze products, adhesive products, etc. Bay Company. 244,272–3; July 19.

CLASS 45.

Beverages and sirups, compounds, flavors, and concentrates for making the same. Orange-Crush Company. 249,433; July 19.
Beverages and sirups for making the same. A. Koegel. 250,177; July 19.
Beverages, flavoring concentrates, and sirups and extracts for making the same. Jacob House & Sons. 250,540; July 19.
Beverages sold as soft drinks. Chabeso-Gesellschaft m. b. H. 246,815; July 19.
Beverages sold as soft drinks. A. Kanner. 250,461; July 19.
Beverages sold as soft drinks and sirups for making the same. Bronx Mineral Water Co. Inc. 250,158; July 19.
Beverages sold as soft drinks and sirups for making the same, etc. E. Broeker. 250,060; July 19.
Beverages sold as soft drinks, extracts, concentrates, and sirups for making same. R. C. Kochendarfer. 249,797; July 19.
Beverages sold as soft drinks, sirups, and extracts for making the same. Bruhnke Bros. 249,945; July 19.
Cider, Sweet apple. F. A. Kauffmann Manufacturing Company. 250,308; July 19.
Ginger ale and sirups used in making the same. Blue Seal Extract Co. 250,487; July 19.
Ginger ale, Packaged. Canada Dry Ginger Ale, Incorporated. 232,187; July 19.
Maltless flavorings and flavoring extracts. Star Extract Works, Inc. 176,510; July 19.
Sirups for soft drinks and soda water, Imitation fruit-flavored. T. C. Corbitt. 249,264; July 19.

CLASS 46.

Apples, peaches, and plums, fresh figs, etc. Mayflower Fruit Association. 247,196–7; July 19.
Bananas. United Fruit Company. 233,336; July 19.
Beans, catchup, and chili sauce, Dried. Free & Klinck, Inc. 223,634; July 19.
Beans, catchup, and chili sauce, Dried. Free & Klinck, Inc. 224,241; July 19.
Biscuits. Canada Biscuit Company. 247,311; July 19.
Cakes. Tasty Baking Company. 250,477; July 19.
Candies. Lydia Darrah Candy Shops, Inc. 249,913; July 19.
Candies. Roberts-Frink Company. 250,265; July 19.
Candies and bonbons. Weckerle & Beringer. 245,678; July 19.
Candy. Flavour Candy Co. 248,486; July 19.
Candy. Flavour Candy Co. 249,000; July 19.
Candy. G. Harcourt. 249,519; July 19.
Candy. J. P. Sullivan. 249,203; July 19.
Candy and candy bars. George H. Fritz & Sons Co. 241,097; July 19.
Canned corned beef. Emery Food Company. 243,693; July 19.
Canned fruits. Hawaiian Pineapple Company. 250,537; July 19.
Canned fruits. Pacific Coast Canners, Inc. 248,428; July 19.
Canned fruits and vegetables. Mutual Stores, Inc. 250,560; July 19.
Canned fruits, fish, and vegetables. F. E. Booth Co. 249,498; July 19.
Canned fruits, vegetables, and condensed milk. McClintock-Trunkey Co. 248,311; July 19.
Canned fruits, vegetables, berries, succotash, and sliced pineapple. Middle States Packing Company. 248,508; July 19.
Canned goods and salted fish. Andrés D. de Rabago & Compañia. 247,462–3; July 19.
Canned tomatoes and fish. P. Todaro. 247,228; July 19.
Canned vegetables, fish, fruit, and berries. Banner Wholesale Grocery Co. 249,566; July 19.
Canned vegetables, fruits, and cereals. Babys Sieved Vegetable Co. 247,245; July 19.
Canned vegetables, fruits, shellfish, and evaporated milk. Rice and Fishman. 248,516; July 19.
Chicks, eggs for hatching, and breeding poultry stock, Baby. E. A. Johnson. 249,008; July 19.
Chicks, Live baby. American Baby Chick Producers Association. 234,243; July 19.
Clam juice and packed in containers, Beverages containing. Mayfair Products, Inc. 247,276; July 19.
Coffee. Jordan Stevens Co. 250,460; July 19.
Coffee. B. A. Liviérato. 250,414; July 19.
Coffee. Tai Hing Company. 237,929; July 19.
Confections, Candy covering for frozen. Eskimo Pie Corporation. 248,483; July 19.
Corn, Hulled and cleaned popping. Albert Dickinson Company. 248,664; July 19.
Extracts. Foote & Jenks. 250,168; July 19.
Feed, Stock. Badger Grains and Feed Co. 249,565; July 19.
Flour, Self-rising. Southwestern Milling Company. 246,857; July 19.
Flour, Wheat. Colorado Milling & Elevator Co. 250,296; July 19.
Flour, Wheat. Southwestern Milling Company. 246,856; July 19.
Fruit, Glacé. Bear Glacé Fruit Co. 246,999; July 19.
Fruits and sundaes and toppings in bulk for use in ice cream, Crushed. H. Baron & Co. Inc. 225,863; July 19.
Fruits, canned vegetables, and fish, Dried and canned. O'Malley-Abeling Company. 249,485; July 19.
Fruits, Fresh citrous. Redlands Heights Groves, Inc. 250,566; July 19.
Fruits, Fresh deciduous. C. M. Hartley. 250,536; July 19.
Fruits packed in special gift packages, Assorted small lots of fresh. Saladino Distributing Company. 248,130; July 19.
Gum, Chewing. Reminders Corporation. 242,022; July 19.
Horse-radish. A. Moran. 248,644; July 19.
Horsh-radish cocktail sauce, beet relish, mustard, and horse-radish. N. Lindeman. 248,779; July 19.
Ice cream. Goodman American Ice Cream Company. 248,833; July 19.
Ice cream and other foods, Flavoring for. Hershey Cholocate Company. 250,123; July 19.
Jellies, jams, fruits in glass, canned fruits, etc. Mitchell Fletcher Company. 246,173; July 19.
Jelly and marmalade. E. L. Reed. 250,567; July 19.
Meal and feed, Corn. Model Mill Company. 250,085; July 19.
Oil, Vegetable. Monteverde, Rolandelli & Parodi, Inc. 248,313; July 19.
Oleomargarine. I. W. Bickley. 249,040; July 19.
Oranges, lemons, and grapefruit. Porterville Citrus Association. 241,839–42; July 19.
Peanuts, Fresh or salted. T. Huston. 241,720; July 19.
Pickles and printed vegetable material therefor, jellies, mustard, dill brine, etc. Squire Dingee Company. 228,672; July 19.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 246,863; July 19.
Pop-corn confections. A. C. Riesselman. 248,595; July 19.
Potato chips. Ehrat Cheese Company. 248,227; July 19.
Potato chips. Ehrat Cheese Company. 248,482; July 19.
Rice food, Specially-prepared. Covina Food Products Co. 250,399; July 19.
Sirup, Table. Robinson Syrup Company. 248,973; July 19.
Sugar. Savannah Sugar Refining Corporation. 246,507; July 19.
Yeast foods. Vico Products Company. 248,537; July 19.
Yeast tablets. Getbetter, Inc. 249,220; July 19.

CLASS 48.

Malt extracts. N. Kramer. 249,798; July 19.
Malt sirup and malt extracts. A. A. Osetkowski. 246,496; July 19.

CLASS 50.

Bronzes. E. T. Hurley. 243,312; July 19.
Rubber sheeting. S. Blechman & Sons, Inc. 247,256; July 19.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Everett W., Houston, Tex. Milling tool. 1,636,032; July 19.
Abbott Laboratories. (See Volwiler, Ernest H., assignor.)
Accessories Manufacturing Company. (See Bramming, Carl, assignor.)
Acushnet Process Company. (See Young, Philip E., assignor.)
Adams Multiple Air Turbine Corporation. (See Adams, Omer T., assignor.)
Adams, Omer T., assignor to Adams Multiple Air Turbine Corporation, Los Angeles, Calif. Wind motor. 1,636,449; July 19.
Adams, Robert B., Lonsdale, R. I. Roofing shingle. 1,636,349; July 19.
Adamson, Charles E., Muncie, assignor of one-half to J. S. Renner, Huntington, Ind. Self-heating sadiron. 1,636,162; July 19.
Agnew, Francis E., Los Angeles, assignor to M. A. Brotherton, Santa Barbara, Calif. Centrifugal impact pulverizer. 1,636,033; July 19.
Ahl, Niels K., Philadelphia, Pa. Vegetable slicer. 1,636,583; July 19.
Airship Guarantee Company. (See Burney, Charles D., assignor.)
Aktiebolaget Ljungströms Angturbin. (See Ljungström, F., and Broberg, assignors.)
Aktiebolaget Princeps. (See Larsson, P. W., and Forsburg, assignors.)
Aldeborgh, Erik H., assignor to Standard Gage Co., Inc., Poughkeepsie, N. Y. Adjustable limit-pin gage. 1,636,543; July 19.
Aldridge, William J. B., Pasadena, Calif. Traffic signal. 1,636,272; July 19.
Ambrogini, Virgilio, Harrington, Wash. Car replacer. 1,636,034; July 19.
American Forge & Machine Company, The. (See Barnes, Herman L., assignor.)
American Moistening Company. (See Armstong, Joseph, assignor.)
American Optical Company. (See Fisher, Lyle H., assignor.)
American Optical Company. (See Kelley, William J., assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Steel and Wire Company of New Jersey, The. (See Hoeftmann, Alexander O., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Baxter T., assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Wright, Sumner B., assignor.)
Ames, Adelbert, jr., Hanover, N. H. Optical aid to the visual perception of depth or rotundity. 1,636,450; July 19.
Anderson-Pitt Corporation, The. (See Pitt, Frederick D., assignor.)
Andrus, George P., Aberdeen, Wash. Bombing gun for aircraft. 1,636,451; July 19.
Annen, James E., assignor to The National Paper Can Company, Milwaukee, Wis. Making paper containers. 1,636,584; July 19.
Anzelewitz, Abraham, New York, N. Y. Hand device for cutting and polishing diamonds. 1,636,671; July 19.
Apco Manufacturing Company. (See Cavanagh, John F., assignor.)
Archer, Floyd P., Wilkes-Barre, Pa. Aerial railway. 1,636,619; July 19.
Arden, Thomas R., Forest Hills, assignor to The Ferdinand Strauss Corporation, New York, N. Y. Mechanical golf-playing toy. 1,636,117; July 19.
Armaturen- & Maschinenfabrik A.-G. vorm. J. A. Hilpert. (See Neumann, Fritz, assignor.)
Armstrong, Joseph, Allston, assignor to American Moistening Company, Boston, Mass. Portable psychrometer. 1,636,350; July 19.
Artz, William J. (See Ryan, Alva L., assignor.)
Associated Engineers Company. (See Grates, R. M., and D'Olive, assignors.)
Atherton, Alfred L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lightning-arrester connection. 1,636,544; July 19.
Atlantic Refining Company, The. (See Lewis, Joseph W., jr., assignor.)
Auletta, Alfred, et al. (See Luther, John A., assignor.)
Aunes, Leonard, Quincy, Mass. Combination service stand. 1,636,035; July 19.
Automatic Electric, Inc. (See Ray, Arthur J., assignor.)
Automatic Electric Inc. (See Smith, Arthur B., assignor.)
Automatic Electric Inc. (See Wicks, John, assignor.)
Avery, Haselton S., San Juan, P. R. Method of and spray for expediting the ripening of fruit. 1,636,452; July 19.
Bacon, Frederic W., New York, N. Y. Foot rest. 1,636,206; July 19.
Bailey, George M., Gracemont, Okla. All-weather top for automobiles. 1,636,453; July 19.
Baker, Arnold W., Cooper Hill, Mo. Pulley block. 1,636,273; July 19.
Baker Casing Shoe Company. (See Baker, Reuben C., assignor.)
Baker, Reuben C., Coalinga, Calif., assignor to Baker Casing Shoe Company. Counterbalance. 1,636,274; July 19.
Balcom, Charles A. (See Reynolds, Joy S., assignor.)
Barker, Norman M., Cleveland, Ohio. Low-water alarm. 1,636,118; July 19.
Barker, William M., Canton, Ohio. Ball mill. 1,636,585; July 19.
Barnes, Herman L., assignor to The American Forge & Machine Company, Canton, Ohio. Making insulator caps. 1,636,586; July 19.
Barrett Company, The. (See Zavertnik, Joseph, jr., assignor.)
Bartholomew, Albert B. W., Montreal, Quebec, Canada. Writing instrument. 1,636,207; July 19.
Bartlett, William O., Denver, Colo. Measuring device. 1,636,036; July 19.
Bates, Adelmer M., assignor to Bates Valve Bag Company, Chicago, Ill. Making bags. 1,636,545; July 19.
Bates, Adelmer M., and J. E. Dancker, assignors to Bates Valve Bag Company, Chicago, Ill. Stencil and making the same. 1,636,546; July 19.
Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)
Bates Valve Bag Company. (See Bates, A. M., and Dancker, assignors.)
Bates Valve Bag Company. (See Kraus, Albert, assignor.)
Bausch and Lomb Optical Company. (See Bernheim, Daniel P., assignor.)
Bausch and Lomb Optical Company. (See McKinstry, Arthur L., assignor.)
Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
Bausch and Lomb Optical Company. (See Stevens, Frederick A., assignor.)
Bausch and Lomb Optical Company. (See Stevens, F. A., and Welsh, assignors.)
Bausch and Lomb Optical Company. (See Welsh, James W., assignor.)
Bay State Optical Company. (See Nerney, George E., assignor.)
Beall, Charles R., Swissvale, and R. M. Gilson, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Overload circuit breaker. 1,636,037; July 19.
Beaty, Edward E., Seattle, Wash. Cutter head. 1,636,408; July 19.
Bell, Albert, Hochst-on-the-Main, and W. A. Meyer, assignors to A. Rechberg Gesellschaft mit beschränkter Haftung and Georg Braun Gesellschaft mit beschränkter Haftung, Hersfeld, Germany. Extracting fats from textiles. 1,636,351; July 19.
Bekkerus, Ole T., Hardsfeld, N. Dak. Cover for tanks. 1,636,454; July 19.
Bell, John E., Brooklyn, N. Y., assignor to Combustion Engineering Corporation. Furnace apparatus. 1,636,119; July 19.
Bell, Roy H., and F. R. Searles, Great Falls, Mont. Support for writing tablets and the like. 1,636,275; July 19.
Bell Telephone Laboratories, Incorporated. (See Rettenmeyer, Francis X., assignor.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See Michael, Gus F., assignor.)

Benjamin, Bert R., Oak Park, and C. R. Raney, Riverside, assignors to International Harvester Company, Chicago, Ill. Tractor drawbar. 1,636,276; July 19.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Panel board. 1,636,277; July 19.

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical fixture-supporting device. 1,636,278; July 19.

Berger Brothers Company, The. (See Versoy, Irving R., assignor.)

Bergmann, Christian N., assignor to Bergmann Packaging Machine Company, Pittsburgh, Pa. Receptacle-depositing mechanism. 1,636,208; July 19.

Bergmann Packaging Machine Company. (See Bergmann, Christian N., assignor.)

Bergsten, John, Redondo, Calif., assignor, by mesne assignments, to Standard Machine Company. Hook. 1,636,209; July 19.

Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn., Hand tool. 1,636,088; July 19.

Bernheim, Daniel P., Southbridge, Mass., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and method. 1,636,336; July 19.

Berry, Hiram N., assignor of one-third to H. A. Gamble, Greenville, Miss. Vehicle leveling device. 1,636,620; July 19.

Berry, Lucien G., et al. (See O'Leary, William C., assignor.)

Bessler, Frank E., Akron, Ohio. Movable stairway latch. 1,636,279; July 19.

Bessler, Frank E., Akron, Ohio. Movable stairway. 1,636,280; July 19.

Bessler, Frank E., Akron, Ohio. Movable stairway. 1,636,281; July 19.

Bethlehem Steel Company. (See Shimer, William R., assignor.)

Bihr, Alphonse, Forest Hills, assignor to Palm, Fechteler & Co., New York, N. Y. Plate or similar article. Des. 73,058; July 19.

Birkin and Company. (See Birkin, C. W., and Sands, assignors.)

Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace mat. Des. 73,059; July 19.

Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company Broadway, Nottingham, England. Lace mat. Des. 73,060; July 19.

Bishop, Joseph W., Muskegon, Mich., assignor to Brunswick-Balke-Collender Company, Wilmington, Del. Combined phonograph and radio receiving apparatus. 1,636,210; July 19.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Structural unit. 1,636,163; July 19.

Blackman, Albert E., Mount Vernon, N. Y. Radiator cover. 1,636,089; July 19.

Blaine, Joseph E., Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-control mechanism. 1,636,404; July 19.

Blauvelt, Fred K., assignor to C. E. Reed, Wichita, Kans. Retaining means for spindles of deep-well rotary cutters. 1,636,669; July 19.

Blumenberg, Henry, jr., Moapa, Nev. Mining insoluble boron compounds. 1,636,455; July 19.

Blumenberg, Henry, jr., Moapa, Nev. Mining insoluble boron compounds. 1,636,456; July 19.

Boelcke, Eugen R. C., Charlottenburg, Germany. Manufacturing electric insulators. 1,636,282; July 19.

Boelkow, Frederic E., Wauwatosa, and F. W. O. Listing, North Milwaukee, assignors to Durable Floor Corporation, Milwaukee, Wis. Elastic composition floor. 1,635,982; July 19.

Bohn Aluminum and Brass Company. (See Fiegel, W., and Enderich, assignors.)

Bolosky, Samuel, West New York, N. J., and S. Pearl, Brooklyn, N. Y. Fan installation. 1,636,038; July 19.

Bonsall, Charles D., New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,636,164; July 19.

Bonsall, Charles D., New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill. Device for operating car couplers. 1,636,165; July 19.

Bonsall, Charles D., New Kensington, Pa., assignor to Union Metal Products Company, Chicago, Ill. End wall for railway cars. 1,636,166; July 19.

Booth, George W., New Toronto, Ontario, Canada. Brick-scoring apparatus. 1,636,547; July 19.

Borland, Deloss, assignor of seven-eighths to A. and M. Isenberg, Charleston, Miss. Churn. 1,636,039; July 19.

Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding sales book. 1,636,548; July 19.

Boykin, Burwell, jr., Beaumont, Tex. Air-cooled hoisting reel. 1,636,040; July 19.

Bossin, Milan, Cleveland, Ohio. Turret tool post. 1,636,167; July 19.

Brady, William. (See Hachenberg, Louis, assignor.)

Bramming, Carl, Chicago, Ill., assignor to Accessories Manufacturing Company. Electric lamp for radios. 1,636,211; July 19.

Brandenberger, Heinrich, Vienna, Austria. Shaping or planing machine for worm or screw shaped bevel wheel operating according to the development method. 1,636,120; July 19.

Brandt, Martin F., Berlin-Charlottenburg, Germany, assignor to The Tabulating Machine Company, New York, N. Y. Apparatus for mechanically copying entries from cards or sheets or the like on a collective sheet. 1,636,405; July 19.

Braren, Lorenz K., assignor to the Firm Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau, Munich, Germany. 1,636,406; July 19.

Braun, Georg, Gesellschaft mit beschränkter Haftung et al. (See Bell, A., and Meyer, assignors.)

Brauns, William, and W. J. Walker, Newark, N. J., assignors to Rosenband Mfg. Co., Inc. Loop or ring fastener for bags and the like. 1,636,121; July 19.

Breaker, Harry O., Winthrop, Mass. Electric furnace. 1,636,041; July 19.

Brick, Perry A., assignor to The National Grave Vault Co., Galion, Ohio. Power-elevated dumping truck. 1,636,621; July 19.

Briggs, C. A., et al. (See McCulloch, Stewart B., assignor.)

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Bright, Martin C., Indianapolis, Ind., assignor to B. B. Carlin, Chicago, Ill. Vacuum-controlled fuel-supply system. 1,636,496; July 19.

Brinkschneider, Henry, Los Angeles, Calif. Hair curler and waver. 1,636,457; July 19.

British Dyestuffs Corporation Limited. (See Perkin, W. H., Fyfe, and Mendoza, assignors.)

Broberg, Isidor. (See Ljungström, F., and Broberg.)

Brommer, John F., Richmond Hill, N. Y. Cartridge for grease guns. 1,636,407; July 19.

Brookes, Arthur J. C. (See Sears, J. E., jr., and Brookes.)

Brooks, Charles E., Montreal, Quebec, assignor to Canadian National Railways, Montreal, Canada. Articulated car. 1,636,622; July 19.

Brotherton, Minerva A. (See Agnew, Francis E., assignor.)

Brown Door Check Co., Inc., The. (See Brown, Max, assignor.)

Brown, Edith M., Pittsburgh, Pa. Window fastener. 1,636,352; July 19.

Brown, Isaac, New York, N. Y. Hood apron. 1,636,122; July 19.

Brown, Max, New York, N. Y., assignor to The Brown Door Check Co. Inc. Doorcheck. 1,636,549; July 19.

Brown, Walter F., assignor of one-half to A. A. Laurent, Minneapolis, Minn. Siphon device. 1,636,123; July 19.

Browne, Hugo, Los Angeles, Calif. Marcel hair waver. 1,636,212; July 19.

Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)

Brunt, Samuel, assignor to The Sebring Manufacturing Corporation, Sebring, Ohio. Casserole. Des. 73,061; July 19.

Brunt, Samuel, assignor to The Sebring Manufacturing Corporation, Sebring, Ohio. Sugar bowl. Des. 73,062; July 19.

Buckberg, Frank E., Chicago, Ill. Figure toy. 1,636,042; July 19.

Buddendorf, Frederick, Philadelphia, Pa. Electric-cord reel. 1,636,587; July 19.

Buel, Hambden, Fairview, N. J., assignor to International Patents Development Company, Wilmington, Del. Extraction method and apparatus. 1,636,550; July 19.

Bullum, Steve, Los Angeles, Calif. Burner. 1,636,353; July 19.

Bunker, John W. (See Horton, George W., assignor.)

Bunker, William H., Lisle, Ontario, Canada. Compressor for gas engines. 1,636,124; July 19.

Bunnel, Earl C., Stratford, and L. H. Messinger, jr., Bridgeport, assignors to The C. O. Jelliff Manufacturing Corporation, Southport, Conn. Loom with edge trimmers. 1,636,551; July 19.

Burchard, O. A., et al. (See McCulloch, Stewart B., assignor.)

Burke, Henry P. (See Vetterlein, Henry M., assignor.)

Burney, Charles D., Westminster, London, assignor to Airship Guarantee Company, Limited, London, England. Mooring mast and mooring gear for lighter-than-air aircraft. 1,636,354; July 19.

Bussell, Freddie S., Indianapolis, Ind. Automatic adjusting end-thrust bearing. 1,636,283; July 19.

Butterfield, Oscar A., Battle Creek, Mich. Sand-cutting machine. 1,636,168; July 19.

Byerlein, Arthur A., Detroit, Mich. Power-press control. 1,634,497; July 19.

Callahan, John W., Wellsboro, Pa., and G. B. Dusinberre, and Dusinberre, assignors.)

Callahan, John W., Wellsboro, Pa., and G. B. Dusinberre, Elmira, N. Y., assignors to Callahan Distributor Company, Incorporated. Device for handling hay and the like. 1,636,498; July 19.

Caluori, George, Jersey City, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 73,063; July 19.

Caluori, George, Jersey City, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 73,064; July 19.

Caluori, George, Jersey City, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 73,065; July 19.

Caluori, George, Jersey City, assignor to Pennsylvania Textile Mills, Inc., Clifton, N. J. Textile fabric. Des. 73,066; July 19.

Camp, Percy R., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Brake mechanism for railway cars. 1,636,284; July 19.

Campbell, Argyle, and A. E. Zimmer, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-locking means. 1,635,983; July 19.

Canada Biscuit Company, Limited. (See Chambers, Gurth F., assignor.)

Canadian National Railways. (See Brooks, Charles E., assignor.

Capicotto, James V., Brooklyn, assignor to Dubilier Condenser Corporation, New York, N. Y. Welding copper and aluminum. 1,636,656; July 19.

Cappa, Giulio C., Turin, Italy. Valve gear for explosion engines. 1,636,213; July 19.

Cappa, Giulio C., Turin, Italy. Head for explosion engines. 1,636,214; July 19.

Carlin, Bernard B. (See Bright, Martin C., assignor.)

Carter, Robert C., et al. (See Chapman, Charles E., assignor.)

Carter, William, Company, The. (See Drumheller, William P., assignor.)

Cash, Frank P., Winston-Salem, N. C. Bevel and square. 1,636,623; July 19.

Catron, Frederick O., assignor of one-half to P. Catron, Memphis, Tenn. Liquid filter. 1,636,285; July 19.

Catron, Nettie P. (See Catron, Frederick O., assignor.)

Cavanagh, John F., assignor to Apco Manufacturing Company, Providence, R. I. Steering-gear stabilizer. 1,636,588; July 19.

Ceasor Mills, Ch. Perman & Sons, Inc. (See Lader, Jack, assignor.)

Cement Gun Contracting Company. (See Leriche, Willis, assignor.)

Central Scientific Company. (See Klopsteg, Paul E., assignor.)

Chalmers, Charles H., Minneapolis, Minn. Liquid-fuel heating apparatus. 1,636,169; July 19.

Chambers, Gurth F., London, Ontario, Canada, assignor to Canada Biscuit Company, Limited. Biscuit. Des. 73,067; July 19.

Champion Spark Plug Company. (See Rohde, Otto C., assignor.)

Chandler, Milton E. (See Mock, F. C., Gustafson, and Chandler.)

Chaplin, Merle P., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Stepping mechanism. 1,636,170; July 19.

Chapman, Charles E., Fort Edward, assignor, by mesne assignments of one-half to R. C. Carter and G. S. Jamison, Glens Falls, N. Y. Closure for clean-out openings. 1,636,125; July 19.

Chapman, John W., and J. J. Melley, Parsons, Kans. Bearing for locomotive trucks and the like. 1,636,499; July 19.

Chappel, Vernon P., Iron Mountain, Mich. Safety belt. 1,636,459; July 19.

Cheney, Frank P., Lowell, Mass. Container. 1,636,458; July 19.

Chitty, Charles W. (See Kent-Jones, D. W., and Chitty.)

Christensen, Carl L., Dalton, Nebr. Fan. 1,636,286; July 19.

Christensen, Charles E., Viborg, S. Dak. Fencepost. 1,636,126; July 19.

Chrysler Corporation. (See Draper, Arthur F., assignor.)

Chrysler Corporation. (See Kent, Philip J., assignor.)

Chvojka, Joseph, Philadelphia, Pa. Hand truck. 1,636,043; July 19.

Clare, Charles R., Homestead, Pa. Pencil sharpener. 1,636,552; July 19.

Clark, Edgar H., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,636,171; July 19.

Clark, J. R., Company. (See Kalgren, John E., assignor.)

Clawson, William, San Francisco, Calif. Paring knife. 1,636,287; July 19.

Clements, Elmer R., Riverton, Nebr. Hog oiler. 1,636,624; July 19.

Cloward, Elmer R., Payson, Utah. Plural-filament electric bulb. 1,636,460; July 19.

Coates, John W., Detroit, Mich. Truck. 1,636,172; July 19.

Cochrane Corporation. (See Gibson, George H., assignor.)

Colburn, Walter A., Bridgeport, Conn. Radiator valve. 1,636,461; July 19.

Cole, Frank H., Chelsea, Mass. Boiler-tube cleaner. 1,636,555; July 19.

Colledanchise, Salvatore, Boston, Mass. Making jointed toys. 1,636,589; July 19.

Collins, J. N., Company. (See Napier, Archibald S., assignor.)

Colson Company, The. (See Roe, Mayo E., assignor.)

Combustion Engineering Corporation. (See Bell, John E., assignor.)

Combustion Engineering Corporation. (See Lundgren, Edwin, assignor.)

Commercial Shearing & Stamping Company, The. (See Cushwa, Charles B., assignor.)

Commonwealth Steel Company. (See Sheehan, William M., assignor.)

Congoleum-Nairn, Inc. (See Kenyon, F. C., jr., and Goodell, assignors.)

Connelly, Edward R., Boston, Mass. Outsole for shoes. 1,636,044; July 19.

Conrad, James W., Rockbridge, Ohio. Starting and transplanting plants. 1,636,625; July 19.

Consolidated Safety Pin Company. (See Hagel, Albert, assignor.)

Cooke, Conway W., assignor of one-half to W. M. MacNichol, Washington, D. C. Dispensing cap for bottles. 1,636,215; July 19.

Copithorn, Walter E., Natick, Mass. Demountable rim. 1,636,045; July 19.

Cornell, George V. D., Boundbrook, N. J. Puzzle. 1,636,216; July 19.

Corriston, Katherine, Westerleigh, assignor to W. S. Swift, New York, N. Y. Revolver holster. 1,635,984; July 19.

Cortis-Stanford, Eric L., Birmingham, Mich., assignor to W. H. Nicholson & Company, Wilkes-Barre, Pa. Return trap. 1,636,626; July 19.

Coughlin, J. M. (See Moone, Albert E. F., assignor.)

Cox, Bertram, London, England. Holder for labels. 1,636,500; July 19.

Cox, Irwin W., Denver, Colo. Dry-steam sleeve-finishing board. 1,636,590; July 19.

Craven, Robert J., Battle Creek, Mich. Combination broom and door holder. 1,636,627; July 19.

Crawford, Millard F., Natalbany, La. Log-unloading machine. 1,636,591; July 19.

Cricchio, Paul, New York, N. Y., assignor to Sun Rise Lamp Mfg. Co., Inc. Candlestick or analogous article. Des. 73,068; July 19.

Crist, William C., Blue Island, Ill. Smoke deflector. 1,636,217; July 19.

Crosby, Everet W. (See McNeely, Earl E., assignor.)

Cross, Garrett P. S., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last-removing device. 1,636,288; July 19.

Crouch, William F., Oakland, Calif. Internal-explosion engine. 1,636,289; July 19.

Cruden, George W., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Football trousers. 1,636,553; July 19.

Crumley, Le Roy A., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Lantern panel. Des. 73,069; July 19.

Cugnin, George P., Erie, Pa. Amusement device. 1,636,356; July 19.

Curtis, Roes E., Lincoln, Kans. Attachment for tractors. 1,636,628; July 19.

Cushwa, Charles B., assignor to The Commercial Shearing & Stamping Company, Youngstown, Ohio. Grating. 1,636,592; July 19.

Cuttz, Richard M., jr., assignor to R. M. Cuttz, sr., Washington, D. C. Anticlimb device. 1,636,357; July 19.

Cuttz, Richard M., sr. (See Cuttz, Richard M., jr., assignor.)

Cyclone Manufacturing Company, The. (See Speicher, Harold S., assignor.)

Dachman, Samuel, Brooklyn, N. Y. Stewpan or similar article. Des. 73,070; July 19.

Dancker, Johann E. (See Bates, A. M., and Dancker.)

Daniels, Charles E., Atchison, Kans. Valve-spring removing and replacing tool. 1,636,046; July 19.

Davey, James A. G. (See Davey, Paul H., assignor.)

Davey, James A., Sound Beach, Conn., and P. H. Davey and C. L. Gaugler; said Gaugler assignor of his entire right to The Davey Tree Expert Company, Kent, Ohio. Shaft coupling. 1,636,290; July 19.

Davey, James A., Sound Beach, Conn., and P. H. Davey and C. L. Gaugler; said Gaugler assignor of his entire right to The Davey Tree Expert Company, Kent, Ohio. Air compressor. 1,636,291; July 19.

Davey, James A., Sound Beach, Conn., and P. H. Davey and C. L. Gaugler; said Gaugler assignor of his entire right to The Davey Tree Expert Company, Kent, Ohio. Power-appliance attachment for automotive vehicles. 1,636,292; July 19.

Davey, Paul H. (See Davey, J. A. and P. H., and Gaugler.)

Davey, Paul H., Kent, Ohio, assignor of one-half to J. A. G. Davey, Sound Beach, Conn. Power-connecting device. 1,636,293; July 19.

Davey Tree Expert Company, The. (See Davey, J. A. and P. H., and Gaugler, assignors.)

Davis, Edward E., Chicago, Ill. Column-form clamp. 1,636,462; July 19.

Davis, Elisha R., Hazard, Nebr. Calf weaner. 1,636,047; July 19.

Davis, Frank, Brooklyn, N. Y. Noise-making alarm. 1,635,985; July 19.

Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 73,071; July 19.

De Boer, Jan H. (See Van Arkel, A. E., and De Boer.)

Decal Products Company. (See De Ville, Walter, assignor.)

Decraene, Felix, Pantin, France. Push-button electric switch. 1,636,501; July 19.

Delas, Albert, Paris, France, assignor to "Delas Condenser Corporation," New York, N. Y. Refrigerating machine. 1,636,294; July 19.

"Delas Condenser Corporation." (See Delas, Albert, assignor.)
De Luxe Optical Co. Inc. (See Gaspari, John, assignor.)
Dempsey, Thomas, deceased, Proctor, Minn.; F. C. Mitchell, executor. Trailer coupler. 1,636,295; July 19.
Dennis, Alfred A., Grand Rapids, Mich. Treating veneers. 1,636,218; July 19.
Dennis, John E., London, Ontario, Canada. Sliding metal window. 1,636,593; July 19.
De Paniagua, Isabel. (See Neveu, Hippolyte, assignor.)
De Ville, Walter, assignor to The Decal Products Company, East Liverpool, Ohio. Plate or similar article. Des. 73,072; July 19.
De Zeng, Henry L., Moorestown, assignor to De Zeng Standard Company, Camden, N. J. Otoscope. 1,636,463; July 19.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Diamond Power Specialty Corporation. (See Herman, Samuel J., assignor.)
Dickey, George I., Toledo, Ohio. Tent. 1,636,594; July 19.
Diehm, Ernst F., assignor to XXth Century Heating and Ventilating Company, Akron, Ohio. Auxiliary heater for furnaces. 1,636,173; July 19.
Dion, Pierre E., Gardena, Calif. Attachment for shovel cultivators. 1,636,219; July 19.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating mechanism. 1,636,554; July 19.
Dolan, John R., Mount Vernon, N. Y., and J. F. Shea, Greenwich, Conn., assignors to United Ammonia Company, Inc., Port Chester, N. Y. Bottle. 1,636,174; July 19.
D'Olive, Eugene R. (See Graves, R. M., and D'Olive.)
Dorsey, Herbert G., Gloucester, Mass., assignor to Submarine Signal Company, Portland, Me. Variable condenser. 1,636,503; July 19.
Dougal, John W., Edinburgh, Scotland. Facing or preservation of walls and other surfaces. 1,636,629; July 19.
Doughty, George E., New York, and H. Forth, Ridgewood, N. Y. File, binder, and the like. 1,636,408; July 19.
Draper, Arthur F., assignor to Chrysler Corporation, Detroit, Mich. Automobile instrument panel. Des. 73,073; July 19.
Dredge, William, Manchester, England. Heating oven for baking, roasting, drying, and like purposes. 1,636,504; July 19.
Drefke, William, Kensal, N. Dak. Quack-grass digger. 1,636,048; July 19.
Drew, Eric S., London, England, and A. B. S. Laidlaw, Beechwood, Skelmorlie, Scotland. Liquid-fuel burner. 1,636,464; July 19.
Drumheller, William P., Springfield, assignor to The William Carter Company, Needham Heights, Mass. Yarn-control mechanism. 1,636,409; July 19.
Dubilier Condenser Corporation. (See Capicotto, James V., assignor.)
Du Bois-Reymond, Alard. (See Rudolph, W., and du Bois-Reymond.)
Dumbleton, Harold F., Cleveland, assignor to The Republic Rubber Corporation, Youngstown, Ohio. Apparatus for and process of making tires. 1,636,595; July 19.
Duplex Dilator Corporation. (See Newton, Frank H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)
Durable Floor Corporation. (See Boelkow, F. E., and Listing, assignors.)
Dura Company. (See Graff, George, assignor.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Dusinberre, George B. (See Callahan, J. W., and Dusinberre.)
Eames Company. (See Nielsen, Hans P., assignor.)
Eastwood, Benjamin, Company. (See Wells, William S., assignor.)
Eddington, William R., assignor of one-half to The Morgan Canning Company, Morgan, Utah. Selective dumping device for bucket conveyers. 1,636,220; July 19.
Edwards, Edward J., assignor to S. Karpen & Bros., Chicago, Ill. Upholstered furniture and protecting same. 1,636,465; July 19.
Edwards, Edwin, C. Jones, and R. Hanson, Warrington, England. Apparatus for making wire, hemp, or other ropes, cables, and the like. 1,636,466; July 19.
Electrolux Servel Corporation. (See Von Platen, B. C., and Munters, assignors)
Elliott, Alexander, Los Angeles, Calif. Oxidizing ferrous sulphate in solution. 1,636,296; July 19.
Ellis, Carleton, Montclair, N. J. Making sulphur phenol resin. 1,636,596; July 19.
Emons, Ernest E., Philadelphia, Pa., assignor of one-half to R. E. Hillier, Akron, Ohio. Lens frame for spectacles. Des. 73,074; July 19.
Emons, Ernest E., Philadelphia, Pa., assignor of one-half to R. E. Hillier, Akron, Ohio. Lens frame for spectacles. Des. 73,075; July 19.
Emons, Ernest E., Philadelphia, Pa., assignor of one-half to R. E. Hillier, Akron, Ohio. Lens frame for spectacles. Des. 73,076; July 19.
Enderich, Winfield S. (See Friegel, W., and Enderich.)
Engler, William B., Waterloo, N. Y. Hoisting device for vehicle bodies. 1,636,555; July 19.
Enterprise Boiler & Tank Works. (See Tryner, Ben J., assignor.)
Enterprise Railway Equipment Company. (See Campbell, A., and Zimmer, assignors.)
Erbe, Frank E., Pontiac, Mich. Gas cut-off. 1,635,986; July 19.
Erickson, Erick, Port Orchard, assignor to G. F. Niegemann, Kitsap County, Wash. Logging hook. 1,636,090; July 19.
Evans, George W. B., Wilderness, Va., assignor to Evans Ore Construction Company, Washington, D. C. Furnace for treating refractory ores containing precious metals. 1,636,467; July 19.
Evans Ore Reduction Company. (See Evans, George W. B., assignor.)
Everhot Heater Company. (See Shuell, F. W., Ledbetter, and Tobey, assignor.)
Eyman, Bradford. (See Van Zandt, H., and Eyman.)
Fairbanks, William D., Merchantville, N. J. Low center of gravity, completely-inclosed double-deck bus. 1,636,505; July 19.
Fairman, Knowlton C., and F. N. Wagner, Creekside, Pa. Automobile fan. 1,636,358; July 19.
Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering unit. 1,636,175; July 19.
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Door-holding attachment. 1,636,468; July 19.
Fessenden, Reginald A., Chestnut Hill, Mass. Method and apparatus for determining distance by echo. 1,636,502; July 19.
Fibroc Insulation Company. (See Frederick, Louis T., assignor.)
Fickle, Gerald, Glenwood, Iowa. Mixing device. 1,636,127; July 19.
Fiegel, William, and W. S. Enderich, assignors to Bohn Aluminum and Brass Company, Detroit, Mich. Closing-in machine. 1,635,987; July 19.
Fischbach, Richard, Berlin, Germany. Stop valve. 1,636,297; July 19.
Fischer, Carl, and A. Simonet, West Homestead, Pa. Fuel burner. 1,636,597; July 19.
Fishel, Alvin S., Cleveland, Ohio. Brake supporting and operating mechanism. 1,636,221; July 19.
Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Washing-machine casing. 1,636,176; July 19.
Fisher, Lyle H., Kansas City, Mo., assignor to American Optical Company, Southbridge, Mass. Edging machine. 1,636,409; July 19.
Foersterling Hans, Jamesburg, N. J. Making air gas. 1,635,988; July 19.
Ford, Ben K., Oak Park, assignor to Union Bed and Spring Company, Chicago, Ill. Bed-spring construction. 1,636,556; July 19.
Forsberg, Charles, St. Louis, Mo. Oil indicator for gas motors. 1,636,049; July 19.
Forsberg, Oskar E. (See Larson, P. W., and Forsberg.)
Forth, Herman. (See Doughty, G. E., and Forth.)
Fossoen, Arthur B. (See Rasmussen, Albert E., assignor.)
Föttinger, Hermann, Zoppot, near Danzig, Free City of Danzig. Device for damping the oscillations of multiple crank shafts. 1,636,050; July 19.
Fox, Gustave, Company, The. (See Fox, Milford G., assignor.)
Fox, Milford G., assignor to The Gustav Fox Company, Cincinnati, Ohio. Attaching means. 1,636,222; July 19.
Francisco, George D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyer mechanism and particularly conveyer pulley supports. 1,636,051; July 19.
Franklin Simon & Co. (See Davis, Taube, assignor.)
Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Telephone diaphragm. 1,636,410; July 19.
Frederick, Louis T., assignor to Fibroc Insulation Company, Valparaiso, Ind. Composite gear and making same. 1,636,411; July 19.
Freeberg, John E., Sarles, N. Dak. Liquid-dispensing device. 1,636,630; July 19.
Freeman, Bertrand B., Pontiac Mich. Collapsible packing case. 1,636,223; July 19.
French Battery Company. (See Meisekothen, Edwin E., assignor.)
Friedrich Deckel Fabrik für Präzisionsmechanik und Maschinenbau. (See Braren, Lorenz K., assignor.)
Froesch, Charles. (See Masury, A. F., and Froesch.)
Frölich, Ernst, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to The Hannauer Car Retarder Company, Chicago, Ill. Fluid-pressure regulator. 1,635,989; July 19.
Fulenwider, Harry. (See Fulenwider, Jesse and H., Robinson, and Norris, assignors.)
Fulenwider, Jesse and H., and E. W. Robinson and H. S. Norris Savannah, Ga., assignors to H. and J. Fulenwider. Ridge-cap-forming machine. 1,636,298; July 19.
Fulkerson, James C., Kansas City, Mo. Vaporizer for explosive engines. 1,636,470; July 19.

Fuller Brush Company, The. (See Hickson, Charles A., assignor.)
Fyfe, Alexander W. (See Perkin, W. H., Fyfe, and Mendoza.)
Gage, John S., Chicago, Ill., assignor to Tolhurst Machine Works, Troy, N. Y. Centrifugal drying machine. 1,636,177; July 19.
Gage, Walter F., Smith, Nev. Toothpick holder. 1,636,598; July 19.
Gallicazzi, Joseph, San Francisco, Calif. Accordion plate. 1,636,299; July 19.
Gallowitz, Gustave A., assignor to Kny-Scheerer Corporation of America, New York, N. Y. Metallic corner. 1,636,412; July 19.
Gamble, Hugh A. (See Berry, Hiram N., assignor.)
Garbarino, Paul P., San Jose, Calif. Hydrant. 1,636,599; July 19.
Gargan, John O., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrostatic condenser. 1,635,990; July 19.
Gargan, John O., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Variable inductive device. 1,636,178; July 19.
Gaspari, John, assignor to De Luxe Optical Co. Inc., New York, N. Y. Eyeglass frame. Des. 73,077; July 19.
Gates, Donald E., administrator. (See Gates, Elmer.)
Gates, Elmer deceased, Washington, D. C.; Donald E. Gates, administrator, Flatiron. 1,636,359; July 19.
Gathmann, Emil, Baltimore, Md. Ingot mold. 1,636,224; July 19.
Gaugler, Charles L. (See Davy, James A. and P. H., and Gaugler.)
Gehlert, Richard S., Detroit, Mich. Coffee urn. 1,636,179; July 19.
Gehrlein, Vincent, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,636,225; July 19.
Gehrlein, Vincent, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 1,636,226; July 19.
Geiger, Ernst, Irvington, N. J. Garage. 1,636,600; July 19.
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Tire & Rubber Company. (See Jahant, Charles J., assignor.)
Gephart, George P., Peabody, Kans. Well-drilling rig. 1,636,631; July 19.
Gernelle-Danloy, Joseph E., Rouen, France. Grinding, crushing, and mixing machine or mill. 1,636,360; July 19.
Gewalt, Otto, Gottenborg, Sweden. Improving the qualities of coffee. 1,636,300; July 19.
Gibson, George H., Montclair, N. J., assignor to Cochrane Corporation, Philadelphia, Pa. Water heating and deaerating. 1,636,361; July 19.
Gilliam, Belden D., Chicago, Ill. Button-applying implement. 1,636,052; July 19.
Gillmor, Horatio G., Washington, D. C. Anticreeper. 1,636,506; July 19.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Positioning device for railway car couplers. 1,636,180; July 19.
Gilson, Robert M. (See Beall, C. R., and Gilson.)
Ginsburg, Abe. (See Lerner, H., and Ginsburg.)
Giske, Walter P., Chicago, Ill. Electrical connecter. 1,636,413; July 19.
Givens, Alex, St. Petersburg, Fla. Combined curtain, shade, and drapery support. 1,636,601; July 19.
Givens, Maurice H. (See Hill, C. B. and Givens.)
Glassey, Thomas, Red Bank, N. J. Vise. 1,636,181; July 19.
Glowacki, John B., Chicago, Ill. Fuse plug, screw type, with indicator. 1,636,182; July 19.
Goddell, Frank R. (See Kenyon, F. C., jr., and Godell.)
Goebert, Elmer C., U. S. Army, Philadelphia, Pa. Fastening device for shields. 1,636,128; July 19.
Goertz, August, & Co. (See Goertz, Frederick, assignor.)
Goertz, August, and Co. (See Goertz, F., and Wacker, assignors.)
Goertz, Frederick, Newark, N. J., assignor to August Goertz & Co. Vanity box. 1,636,183; July 19.
Goertz, Frederick, Maplewood, and W. E. Wacker, Newark, N. J., assignors to August Goertz and Co., Inc., Newark, N. J. Receptacle. 1,636,184; July 19.
Golke, J. B., et al. (See McCulloch, Stewart B., assignor.)
Going, George G., Middletown, Conn., assignor to Remington-Noiseless Typewriter Corporation, New York, N. Y. Typewriting machine. 1,636,129; July 19.
Goldsmith, Elmer P., Newark, N. J., assignor to Miller & Goldsmith, New York, N. Y. Novelty handkerchief holder. 1,636,301; July 19.
Goodman, Albert J., assignor of one-fifth to R. L. Watt, Reidsville, N. C. Tent. 1,636,507; July 19.
Goodwin, Harry, Waterville, Me. Plate and brace for railroad guard rails. 1,636,302; July 19.
Goodwin, James R., deceased; P. E. and W. C. Goodwin, administrators, assignors to The Steel Scaffolding Company, Evansville, Ind. Adjustable post bracket. 1,636,185; July 19.
Goodwin, Percy E., et al., administrators. (See Goodwin, James R.)
Goodwin, Walter C., et al., administrators. (See Goodwin, James R., assignor.)
Goodyear, Charles H., Portland, Oreg. Foldable cellular carton. 1,636,508; July 19.
Gorham Mfg. Co. (See Magnussen, Erik, assignor.)
Grabill, John D., Woodstock, Va. Sizing machine for fruits and vegetables. 1,636,227; July 19.
Graddick, Fletcher C., et al. (See Griffin, James T., assignor.)
Graff, George, assignor to The Dura Company, Toledo, Ohio. Vehicle lamp or similar article. Des. 73,078; July 19.
Graham, Alfred, et al., executors. (See Graham, Edward A.)
Graham, Edward A., deceased, Brockley, London, England; M. Graham and A. Graham, executors. Telephone receiver with detachable sound amplifier. 1,636,362; July 19.
Graham, Maria, et al., executors. (See Graham, Edward A.)
Grand Council of the Order of De Molay. (See Stange, Christopher L., assignor.)
Graves, Roy M., and E. R. D'Olive, assignors to Associated Engineers Company, Chicago, Ill. Lighting fixture. 1,636,414; July 19.
Gray, Arthur W., Milford, Del. Centrifugal casting or coating system. 1,636,228; July 19.
Great Western Electro Chemical Company. (See Hirschkind, Wilhelm, assignor.)
Greenawalt, Ralph D., assignor of one-half to W. T. Jane, Chicago, Ill. Animated display device. 1,636,415; July 19.
Greenbaum, Nathan, New York, N. Y., and A. Rosenband, Newark, N. J. Interchangeable initial or ornamental decoration for hand bags and other articles. 1,636,130; July 19.
Greenberg & Schwartz. (See Soman, Michael E., assignor.)
Griffin, James T., assignor of forty per cent to F. C. Graddick and thirty-five per cent to H. C. Hargrove, Winder, Ga. Belt. 1,636,602; July 19.
Griffith, William B., Philadelphia, Pa., assignor to Star Sprinkler Corporation. Valve. 1,636,131; July 19.
Grover, Albert D., Long Island City, N. Y. Banjo construction. 1,636,091; July 19.
Gulf Refining Company. (See McAfee, Almer M., assignor.)
Gustafson, Charles J. (See Mock, F. C., Gustafson, and Chandler.)
Guthrie, Robert G., Chicago, Ill. Polishing machine. 1,636,557; July 19.
Hachenberg, Louis, Throggs Neck, assignor of one-half to W. Brady, Ossining, N. Y. Apparatus for cleaning windows. 1,635,991; July 19.
Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,635,992; July 19.
Hagel, Albert, assignor to Consolidated Safety Pin Company, Bloomfield, N. J. Safety-pin holder. 1,636,558; July 19.
Haines, Charles B., Indianapolis, Ind. Boiler water feeder. 1,636,559; July 19.
Hall, Ernest A., Toledo, Ohio. Portable grinding tool. 1,636,560; July 19.
Hall, Milan W., New Rochelle, N. Y. Anchor. 1,636,092; July 19.
Hallwood, Nathan A., Columbus, Ohio. Scale casing. Des. 73,079; July 19.
Hallwood, Nathan A., Columbus, Ohio. Scale casing. Des. 73,080; July 19.
Hamilton, Baxter P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Carrier-telegraph repeater circuits. 1,636,053; July 19.
Hamilton, Lynford, Philadelphia, Pa. Furnace arch. 1,636,603; July 19.
Hammond, John H., jr. (See Trenor, Albert D., assignor.)
Hammond, John H., jr., Gloucester, Mass. Modifying device for modulation control. 1,635,993; July 19.
Hammond, John H., jr., Gloucester, Mass. Piano-modulator-control device. 1,635,994; July 19.
Hammond, John H., jr., Gloucester, Mass. Successively-operated tone controls. 1,635,995; July 19.
Handy, L. Gessford, New York, N. Y. Track for toy electric trains. 1,636,416; July 19.
Hanley, William L., jr., Bradford, Pa. Firing ceramic products. 1,636,417; July 19.
Hannauer Car Retarder Company, The. (See Frölich, Ernst, assignor.)
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Channeler steel. 1,636,604; July 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,636,605; July 19.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,636,632; July 19.
Hanson, Robert. (See Edwards, E., Jones, and Hanson.)
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,635,996; July 19.
Hargrove, Henry C., et al. (See Griffin, James T., assignor.)
Hartenstein, Max, New York, N. Y. Collapsible baby carriage. 1,636,093; July 19.
Hartford-Empire Company. (See Howard, George E., assignor.)

Hartung, Adalberto G., Buenos Aires, Argentina. Tensor system. 1,636,633; July 19.
Hatcher, James L., Brooks Field, Tex. Receiver sight for rifles. 1,636,509; July 19.
Hatfield, Helen S. (See Hatfield, Roy A., assignor.)
Hatfield, Roy A., assignor to H. S. Hatfield, Norristown, Pa. Conveyor. 1,636,303. July 19.
Hayes, Harvey C., and M. Mason, New London, Conn., assignor to Submarine Signal Company, Portland, Me. Directive sound transmission. 1,636,510; July 19.
Hazard, George E., assignor to Kellogg Manufacturing Co., Rochester, N. Y. Pressure-control device. 1,636,561; July 19.
Hazelett Storage Battery Company. (See Prachar, John.)
Hedglon, Mead, Syracuse, N. Y. Ironing roll. 1,636,471; July 19.
Hedglon, Mead, Syracuse, N. Y. Portable ironing machine. 1,636,472; July 19.
Hejma, Wenzel, Brno, Czechoslovakia. Motor spade. 1,636,418; July 19.
Hellman, Ernest R. (See Olson, J. A., and Hellman.)
Hering, Carl, Philadelphia, Pa. Fibrous material and making the same. 1,636,511; July 19.
Herman, Samuel J., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler-cleaner construction. 1,635,997; July 19.
Herzog, Robert, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Arc generator. 1,636,094; July 19.
Hettinger, Jennie S., Camden, N. J., assignor to United States Asbestos Co., Manheim, Pa. Gasket. 1,636,363; July 19.
Hick, Harry J., assignor to The Hykon Manufacturing Company, Alliance, Ohio. Battery clamp. 1,636,562; July 19.
Hickson, Charles A., Westfield, Mass., assignor to The Fuller Brush Company, Hartford, Conn. Collapsible receptacle. 1,636,186; July 19.
Hilger, George, Chicago, Ill. Removing foreign gas from condensers. 1,636,512; July 19.
Hill, Charles A. (See Mueller, P., and Hill.)
Hill, Charles B., Glencoe, and M. H. Givens, Evanston, assignors to Northwestern Yeast Company, Chicago, Ill. Manufacturing yeast from malted milk and product thereof. 1,636,563; July 19.
Hillier, Robert E. (See Emons, Ernest E., assignor.)
Hirschkind, Wilhelm, Antioch, assignor to Great Western Electro Chemical Company, San Francisco, Calif. Manufacture of alkali metal xanthates. 1,636,229; July 19.
Hoeftmann, Alexander O., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Armored cable. 1,636,606; July 19.
Hoegger, Joseph A., Jersey City, N. J. Fixture support. 1,636,364; July 19.
Hoff, Carlton L., York, Pa., assignor to Hoff Metal Products Company, New York, N. Y. Tread grip. Re16,680; July 19.
Hoff Metal Products Company. (See Hoff, Carlton L., assignor.)
Hoge, Edward and F. K., Philadelphia, Pa. Tool. 1,635,998; July 19.
Hoge, Friedrich K. (See Hoge, Edward and F. K.)
Hokanson, Alfred, Westwood, N. J. Window flashing. 1,636,365; July 19.
Holbrook, David M., Portland, Oreg. Incubator-ventilating means. 1,636,634; July 19.
Holden, William H. T., New York, N. Y., assignor to American Telephone and Telegraph Company. Electrical discharge device. 1,636,054; July 19.
Hollander, Edward, assignor to The Kny-Scheerer Corporation of America, New York, N. Y. Fluoroscopic protector. 1,636,419; July 19.
Holmes, Harvey A., Elyria, Ohio. Bee escape. 1,636,635; July 19.
Höntsch, Walter, Niedersedlitz, near Dresden, Germany. Steam superheater of low-pressure sectional boilers. 1,636,230; July 19.
Hoofnagle, William T., Glen Ridge, N. J. Cotton-picking machine. 1,636,132; July 19.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Braiding machine. 1,636,659; July 19.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Braiding machine. 1,636,660; July 19.
Horton, George W., Queens Village, assignor to J. W. Bunker, New York, N. Y. Musical instrument. 1,636,133; July 19.
Horton, John S., Milford, Del. Crate. 1,636,607; July 19.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave signaling system. 1,636,134; July 19.
Hose, Henry G., Brooklyn, N. Y., and W. E. Ramsdell, Bridgeton, N. J. Roofing supporting strips. 1,636,095; July 19.
Hosko, Stephen, Bone, Ohio. Fish net. 1,636,096; July 19.
House, Milus M. (See Needles, John W., assignor.)
House, Milus M., Kansas City, Mo. Occlusal grinding device for articulators. 1,636,304; July 19.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,635,999; July 19.
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Regulating glass feeders. 1,636,564; July 19.
Howe, James M., Cleveland Heights, assignor to The Murray Manufacturing Company, Cleveland, Ohio. Bearing mechanism. 1,636,565; July 19.
Hoy, Henry W. S., Dunedin, New Zealand. Gramophone stand or similar article. Des. 73,081; July 19.
Hubener, Joseph F., Grantwood, N. J. Electric-cord-supporting device. 1,636,306; July 19.
Hughes, Ben H., East Cleveland, Ohio. Boiler plug. 1,636,135; July 19.
Hughes, Joseph D. E., assignor to Stotesbury & Miner, New York, N. Y. Automobile theft detector. 1,636,513; July 19.
Hull, Harold S., New York, N. Y. Table cover or similar article. Des. 73,082; July 19.
Hull, Harold S., New York, N. Y. Table cover or similar article. Des. 73,083; July 19.
Humble, William S., Riverside, Calif. Surgical instrument. 1,636,636; July 19.
Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
Hurley Machine Company. (See Fisher, Alva J., assignor.)
Hutchison, Thomas S., Chicago, Ill. Combination tool. 1,636,637; July 19.
Hykon Manufacturing Company, The. (See Hick, Harry J., assignor.)
Illemann, Robert, Glasgow, Scotland. Coating concrete pipes and hollow bodies with bituminous compositions. 1,636,367; July 19.
Inco, Francis S., Los Angeles, Calif. Folding portable bed. 1,636,097; July 19.
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Preliwitz, William, assignor.)
Ingersoll-Rand Company. (See Smith, William A., jr., assignor.)
International Amusement Corporation. (See Newsbaum, F. J., and Lonn, assignors.)
International Combustion Engineering Corporation. (See Van Brunt, John, assignor.)
International Harvester Company. (See Benjamin, B. R. and Raney, assignors.)
International Motor Company. (See Masury, A. F., and Froesch, assignors.)
International Patents Development Company. (See Buel, Hambden, assignor.)
Isenberg, Abe, et al. (See Borland, Deloss, assignor.)
Isenberg, Myer, et al. (See Borland, Deloss, assignor.)
Jaeger, August F. (See Jaeger, Gustav A. and A. F.)
Jaeger, Gustav A. and A. F., assignors to Perfect Pool Pocket Irons Company, Morrison, Ill. Machine for forming leathers for pool pockets. 1,636,000; July 19.
Jahant, Charles J., assignor to The General Tire & Rubber Company, Akron, Ohio. Golf club. 1,636,514; July 19.
Jamison, George S., et al. (See Chapman, Charles E., assignor.)
Jane, William T. (See Greenawalt, Ralph D., assignor.)
Jeffrey Manufacturing Company, The. (See Francisco, George D., assignor.)
Jelliff, C. O., Manufacturing Corporation, The. (See Bunnell, E. C. and Messinger, assignors.)
Jenkins, Floyd A., Olden, Tex. Load binder. 1,636,638; July 19.
Jepsen, Julius. (See Polachek, J., Jepsen, and Peremi.)
John, Alfred, Gera-Reuss, Germany. Loom. 1,636,515; July 19.
Johnson, Aron E., Seattle, Wash. Necktie holder. 1,636,368; July 19.
Johnson, Axel, Oakland, Calif. Electric heater. 1,636,369; July 19.
Johnson, Frank L., Akron, Ohio. Collapsible tire-building form. 1,636,055; July 19.
Johnson, Frank L., Akron, Ohio. Collapsible tire-building form. 1,636,056; July 19.
Johnson, Frederick G., assignor to Visible Tire Gauge Co., New Haven, Conn. Air gauge. 1,636,566; July 19.
Johnson, Frederick H., Los Angeles, Calif. Sprinkler-system control valve. 1,636,370; July 19.
Johnson & Johnson. (See Quint, Everett A., assignor.)
Johnston, Peter D. (See Strom, Gustav, assignor.)
Jones, Charles. (See Edwards, E., Jones, and Hanson.)
Jones, Lloyd, Freeport, N. Y. Rolling mill. 1,636,057; July 19.
Jones, Percival W., Warwick, assignor to Rosenheim Co. Inc., Providence, R. I. Bracelet. 1,636,639; July 19.
Jordan, Hugh I., Staunton, Va. Valve lifter. 1,636,058; July 19.
Judd, Irving H., assignor to Whitehead & Kales Company, Detroit, Mich. Brake attachment for tractors 1,636,231; July 19.
Jurriaanse, Nicolaas van W., Baarn, Netherlands. Device for launching boats on board of vessels. 1,636,059; July 19.
Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Ironing board. 1,636,232; July 19.
Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Ironing board. 1,636,305; July 19.

Kalsey, Alexander T., Moore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blowing engine. 1,636,001; July 19.
Kantack, Walter W., St. Albans, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Banding for lighting fixtures. Des. 73,084; July 19.
Kantack, Walter W., St. Albans, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Banding for lighting fixtures. Des. 73,085; July 19.
Karel, Charlie, et al. (See Mayers, Stanley G., assignor.)
Karel, Helen, et al. (See Mayers, Stanley G., assignor.)
Karpen, S., & Bros. (See Edwards, Edward J., assignor.)
Kasch, Henry J., Dayton, assignor to The Kurz-Kasch Company, South Broadway, near Dayton, Ohio. Vernier dial. 1,636,233; July 19.
Kasser, Morris, San Francisco, Calif. Treating eggs. 1,636,420; July 19.
Kaufman, Lou B., assignor to Nathan Strauss & Sons, Inc., New York, N. Y. Plate or similar article. Des. 73,086; July 19.
Keeler, Harry F., jr., Longmont, Colo. Berry box. 1,636,306; July 19.
Keller Mechanical Engineering Corporation. (See Shaw, John C. and E. D., assignors.)
Kelley, William J., assignor to American Optical Company, Southbridge, Mass. Frame stretcher. 1,636,473; July 19.
Kellogg Manufacturing Co. (See Hazard, George E., assignor.)
Kellogg Switchboard and Supply Company. (See Sauer, Louis B., assignor.)
Kelso, Alex M., Murphysboro, Ill. Light accelerator or switch. 1,636,567; July 19.
Kennedy, Alexander. (See Wilkes, W. R., and Kennedy.)
Kennedy, Howard L., assignor to Kennedy Manufacturing Company, Van Wert, Ohio. Traveling bag. 1,636,060; July 19.
Kennedy, James W., Canton, Ohio. Electrical apparatus for treating nerves, muscles, and blood. 1,636,568; July 19.
Kennedy Manufacturing Company. (See Kennedy, Howard L., assignor.)
Kenney, Chester A., Alameda, Calif. Toy. 1,636,371; July 19.
Kent-Jones, Douglas W., and C. W. Chitty, assignors to Woodlands Limited, Charlton Green, Dover, England. Treatment of cereal substances. 1,636,569; July 19.
Kent, Philip J., Royal Oak, assignor to Chrysler Corporation, Detroit, Mich. Automobile instrument panel. Des. 73,087; July 19.
Kent, William J., Brooklyn, N. Y., assignor to The Mechanical Rubber Company, Chicago, Ill. Cleaning device. 1,636,002; July 19.
Kenyon, Frank C., jr., Philadelphia, and F. R. Goodell, Strafford, Pa., assignors to Congoleum-Nairn, Inc., New York, N. Y. Sales rack. 1,636,608; July 19.
Kernes, George E., Omaha, Nebr. Ditch maintainer. 1,636,136; July 19.
Kersten, Carl C. E., Columbus, Ga. Preserving apparatus. 1,636,061; July 19.
Kessel, Johannes B., Chicago, Ill. Carburetor. 1,636,187; July 19.
Kesses, Charles, New York, N. Y. Torpedo. 1,636,307; July 19.
King, Joseph M., Detroit, Mich. Carburetor. 1,636,308; July 19.
Kinsey, Owen D., Wauwatosa, Wis. Internal grinder. 1,636,137; July 19.
Klann, August A., Waynesboro, Va. Electromagnetic relay. 1,636,609; July 19.
Kleen Kap Corporation. (See Laidlaw, Walter G., assignor.)
Klopsteg, Paul E., assignor to Central Scientific Company, Chicago, Ill. Educational apparatus. 1,636,284; July 19.
Klumb, Arthur H. (See Quade, A., and Klumb.)
Knott, Warren E., Grand Rapids, Mich. Chuck. 1,636,421; July 19.
Knowles, Harvey C., assignor to The Procter and Gamble Company, Cincinnati, Ohio. System for conveying and inspecting soap. 1,636,235; July 19.
Knudsen, Krestine, Oakland, Calif. Doll. Des. 73,088; July 19.
Kny-Scheerer Corporation of America. (See Gallowitz, Gustave A., assignor.)
Kny-Scheerer Corporation of America, The. (See Hollander, Edward, assignor.)
Kohn, Milton M., New York, N. Y. Heating unit. 1,636,372; July 19.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Radio receiving apparatus. 1,636,570; July 19.
Köppen, Wilhelm, Beckum, and C. Pfeiffer, Neubeckum, Germany. Rail or tube mill. 1,636,138; July 19.
Kops Bros. Inc. (See Kops, Waldemar, assignor.)
Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,636,516; July 19.
Kraft, Charles H., Kansas City, Mo. Wardrobe. 1,636,236; July 19.
Krass, Albert, assignor to Bates Valve Bag Company, Chicago, Ill. Hemming machine and forming bag tubing. 1,636,517; July 19.
Kunkel, Frederick L., Milwaukee, Wis. Fabric. 1,636,640; July 19.
Kurz-Kasch Company, The. (See Kasch, Henry J., assignor.)
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,636,003; July 19.
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,636,004; July 19.
Lader, Jack, Brooklyn, assignor to Ceason Mills, Ch. Perman & Sons, Inc., New York, N. Y. Textile fabric or similar article of manufacture. Des. 73,089; July 19.
La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Machine for forming glass articles. 1,636,672; July 19.
Lage, Frederick, Gladbrook, Iowa. Oat huller. 1,636,309; July 19.
Laidlaw, Alexander B. S. (See Drew, E. S., and Laidlaw.)
Laidlaw, Walter G., assignor to Kleen Kap Corporation, Syracuse, N. Y. Bottle closure. 1,636,422; July 19.
Lanchester, Frederick W., Birmingham, assignor to Lanchester's Laboratories, Limited, Coventry, England. Automobile vehicle. 1,636,673; July 19.
Lanchester's Laboratories, Limited. (See Lanchester, Frederick W., assignor.)
Langenbach, Albert, Chicago, Ill. Planetary gear controlled propeller. 1,636,423; July 19.
Lannom Manufacturing Company. (See Lannom, Sharp, jr., assignor.)
Lannom, Sharp, jr., assignor to Lannom Manufacturing Company, Grinnell, Iowa. Baseball center. 1,636,518; July 19.
Larner, Chester W., Philadelphia, Pa., assignor, by mesne assignments, to I. P. Morris Corporation. Double-plunger valve. 1,636,061; July 19.
Larner, Chester W., Philadelphia, Pa., assignor to I. P. Morris Corporation. Valve. 1,636,662; July 19.
Larsen, Niles L., Oakland, Calif. Motor-operated window. 1,636,519; July 19.
Larson, Leonard M. (See Von Boecklin, A. E. L., and Larson.)
Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Car, air, and electric coupling system. 1,636,139; July 19.
Larsson, Patrik W., and O. E. Forsberg, assignors to Aktiebolaget Princeps, Gottenborg, Sweden. Press feeding. 1,636,188; July 19.
Laurent, Antoine A. (See Brown, Walter F., assignor.)
Lavallee, William, Central Falls, R. I. Device for sanitary handling of milk. 1,636,474; July 19.
Leader Iron Works. (See Summers, Louis D., assignor.)
Ledbetter, Elmer E. (See Shuell, F. W., Ledbetter and Tobey.)
Leedom, Laurie M., Trenton, N. J. Railway frog. 1,636,373; July 19.
Leinbach, Edward L., Chicago, Ill. Shock absorber. 1,636,005; July 19.
Leon, Lewicki J., West Chicago, Ill. Bird cage. Des. 73,090; July 19.
Leriche, Willis, assignor to Cement Gun Contracting Company, Allentown, Pa. Attaching abooting strips. 1,636,098; July 19.
Lerner, Harry, Brooklyn, and A. Ginsburg, New York, N. Y. Casserole frame. Des. 73,091; July 19.
Lewis, Ben F., Olga, Fla. Bung-plug lock. 1,636,641; July 19.
Lewis Invisible Stitch Machine Co. (See Moulton, Harley C., assignor.)
Lewis, Joseph W., jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Method of and apparatus for treating petroleum. 1,636,520; July 19.
Leyland, Percy N., Glen Ridge, N. J. Plate or similar article. Des. 73,092; July 19.
Liepold, Leo, Heron Lake, Minn. Gate. 1,636,571; July 19.
Lipcot, Fred L., assignor to The Rubber Shock Insulator Company, Inc., New York, N. Y. Cushion connection for vehicle construction. 1,636,099; July 19.
Listing, Friedrich W. O. (See Boelkow, F. E., and Listing.)
Ljunström, Fredrik, Lidingo-Brevik, and I. Broberg, Skarsatra, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Air-cooled condenser. 1,636,521; July 19.
Lockwood, Alvah M., et al. (See Malone, Adolph W., assignor.)
Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Hygrometer, humidity regulator, and the like. 1,636,374; July 19.
Loewenherz, Siegmund, assignor to Patent-Treuhand Gesellschaft für Elektrische Glühlampen m. b. H., Berlin, Germany. Machine for drilling drawing dies or stones. 1,636,475; July 19.
Lonn, Julius M. (See Newsbaum, F. J., and Lonn.)
Lorens, C., Aktiengesellschaft. (See Herzog, Robert, assignor.)
Lormor, Henry W., assignor to Willard Storage Battery Company, Cleveland, Ohio. Handle-inserting machine. 1,636,642; July 19.
Lotz, Elston A. (See Murphy, J. H., and Lotz.)
Louden Machinery Company, The. (See Louden, Robert B., assignor.)
Louden, Robert B., assignor to The Louden Machinery Company, Fairfield, Iowa. Panel for animal pens. 1,636,189; July 19.

Lovell Manufacturing Company. (See Gehrlein, Vincent assignor.)
Ludlow, David H., Easton, Pa. Wheel. 1,636,310; July 19.
Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-transmitter mounting. 1,636,006; July 19.
Lumley, Frank E., Chicago, Ill. Ventilating device for toilets. 1,636,476; July 19.
Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Automatic stoker. 1,636,375; July 19.
Lundgren, Edwin, Frederick, Md., assignor to Combustion Engineering Corporation, New York, N. Y. Stoker. 1,636,376; July 19.
Luther, John A., assignor of one-fourth to P. Paris, one-fourth to G. Merola, and one-fourth to A. Auletta, Bayonne, N. J. Door-operating device. 1,636,674; July 19.
Lutostanski, Thomas, Wayland, Mich. Sausage-stuffing machine. 1,636,424; July 19.
Lynch, Charles W., Perry, Okla., assignor to Pickering Lumber Company, Kansas City, Mo. Derrick-top assembly. 1,636,522; July 19.
Macchiarella, Joseph, Paterson, N. J. Shuttle guard for looms. 1,636,377; July 19.
Mack, Richard, Berlin-Tempelhof, Germany. 1,636,676; July 19.
Maclure, Albert, Woonsocket, R. I. Scalpel. 1,636,062; July 19.
MacNichol, Walter M. (See Cooke, Conway W., assignor.)
Maehler, Arthur, Chicago, Ill. Drying and enameling oven control. 1,636,140; July 19.
Magnavox Company, The. (See Metcalf, Herbert E., assignor.)
Magnussen, Erik, assignor to Gorham Mfg. Co., Providence, R. I. Table centerpiece. Des. 73,093; July 19.
Mahoney, Frank D., San Anselmo, Calif. Apparatus for washing vehicles. 1,636,190; July 19.
Mallory, Benjamin F., St. Petersburg, Fla. Smoking-pipe holder. 1,636,378; July 19.
Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to A. M. Lockwood, Houston, Tex. Metal pole. Re16,684; July 19.
Mammen, Lawrence W., Chicago, Ill. Ornamental light. 1,626,141; July 19.
Manovill, Hugo, New York, N. Y. Decorating celluloid article and decorated celluloid article. 1,636,523; July 19.
Merandino, Gerardo, Brooklyn, N. Y. Ice-cream cutter. 1,636,142; July 19.
Marquette Tool & Manufacturing Co. (See Rode, Fredrich J., assignor.)
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Hinge construction. 1,636,007; July 19.
Martin, Fred N. (See Willson, Russell A., assignor.)
Mason, Max. (See Hayes, H. C., and Mason.)
Massey, Cecil, Litchfield, Ill. Burial casket. 1,636,237; July 19.
Masury, Alfred F., and C. Froesch, assignors to International Motor Company, New York, N. Y. Lubricating system. 1,636,524; July 19.
Mauro, Louis, Beaver Falls, Pa. Belt buckle. 1,636,379; July 19.
Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,636,238; July 19.
Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
Mayers, Stanley G., Chicago, assignor of seven-twentieths to C. and H. Karel, Chicago, Ill. Combined brush and squeegee. 1,636,425; July 19.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Distilling with aluminum chloride. 1,636,144; July 19.
McCabe, Ira E., Chicago, Ill. Pressure-actuated electric control device. 1,636,191; July 19.
McClure, William V., Elva, Manitoba, Canada. Well crib. 1,636,610; July 19.
McCoy, Albert W. (See Wilkes, W. R., and Kennedy, assignors.)
McCoy, William, Huntingdon, Pa. Lamp. Des. 73,094; July 19.
McCulloch, Stewart B., Fullerton, assignor of one-fourth to O. A. Burchard, one-fourth to C. A. Briggs, and one-fourth to J. B. Golke, Los Angeles, Calif. Stamp pad. 1,636,311; July 19.
McCune, Challen R., Clinton, Iowa. Car journal. 1,636,100; July 19.
McGlynn, Frederick T., Jamaica, N. Y. Paster cutting and applying machine. 1,636,611; July 19.
McGregor, Alexander G., Warren, Ariz. Apparatus for transporting calcine from roaster furnaces and charging same into reverberatory furnaces. Re16,685; July 19.
McKinstry, Arthur L., Southbridge, Mass., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Making ophthalmic mountings. 1,636,335; July 19.
McLallen, Rob R., Oak Park, Ill. Corrective device. 1,636,101; July 19.
McMillan, Howard O., Minneapolis, Minn. Column clamp with castings. 1,636,143; July 19.
McNeely, Earl E., Waldron, Ind., assignor of one-fourth to E. W. Crosby, Greensburg, Ind. Corn husker. 1,636,380; July 19.
Mechanical Rubber Company, The. (See Kent, William J., assignor.)
Medcalf, Lee A., Fairgrove, Mich. Sorting machine. 1,636,477; July 19.
Meeker, Charles H., Riverside, Calif. Reenforced moving-picture film. 1,636,525; July 19.
Megie, Jesse J., and F. V. Pepper, Los Angeles, Calif. Lock. 1,636,381; July 19.
Meisekothen, Edwin E., assignor to French Battery Company, Madison, Wis. Dry-battery construction. 1,636,478; July 19.
Melley, John J. (See Chapman, J. W., and Melley.)
Mendoza, Mordecai. (See Perkin, W. H., Fyfe, and Mendoza.)
Merola, Gaetano, et al. (See Luther, John A., assignor.)
Merrill Brothers. (See Merrill, Whitney, assignor.)
Merrill, Whitney, Brooklyn, assignor to Merrill Brothers, Maspeth, Long Island, N. Y. Drop hammer. 1,636,426; July 19.
Messick, Charles, Brentwood, N. Y. Combined watch case and appendage. Des. 73,095; July 19.
Messinger, Lester H., jr. (See Bunnell, E. C., and Messinger.)
Metcalf, Herbert E., San Leandro, assignor to The Magnavox Company, Oakland, Calif. Vacuum tube. 1,636,239; July 19.
Meyer, Arthur T., Carleton, Mich. Ventilator fastener for automobile doors. 1,636,479; July 19.
Meyer, Wilhelm A. (See Bell, A., and Meyer.)
Michael, Gus F., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-operating means. 1,636,526; July 19.
Mickelsen, Canute H., Tetonia, assignor to Mickelsen Patents Co. Inc., Driggs, Idaho. Gambrel. 1,636,312; July 19.
Mickelsen Patents Co. Inc. (See Mickelsen, Canute H., assignor.)
Middlemiss, George H., Birmingham, Ala. Method and apparatus for determining the synchronism of alternating current circuits. 1,636,527; July 19.
Miehle Printing Press & Manufacturing Company. (See Blaine, Joseph R., assignor.)
Miles, Robert R., Los Angeles, Calif. Metallic closure structure. 1,636,008; July 19.
Miller & Goldsmith. (See Goldsmith, Elmer P., assignor.)
Miller Company. (See Wolter, Herman H., assignor.)
Miller, John A., Chicago, Ill. Brake mechanism and the like. 1,636,145; July 19.
Miller, John H., Rising Sun, Ohio. Concrete-block machine. 1,636,102; July 19.
Miller, Raymond S., Detroit, Mich. Torque-transmission mechanism. 1,636,009; July 19.
Miller Rubber Company. (See Warner, Raymond M., assignor.)
Miller, Samuel C., Louisville, Ky. Bottle. Des. 73,096; July 19.
Minuth, Wilhelm G., Celle, Germany. Sinking shaft and boreholes. 1,636,313; July 19.
Mitchell, Fred C., executor. (See Dempsey, Thomas.)
Mitchell, G. F., & Son. (See Mitchell, Harry W., assignor.)
Mitchell, Harry W., assignor to G. F. Mitchell & Son, Cleveland, Ohio. Fluid-tight closure member for washer drums. 1,636,192; July 19.
Mock, Frank C., C. J. Gustafson, and M. E. Chandler, assignors to Stromberg Motor Devices Company, Chicago, Ill. Mixture control for airplane carburetors. 1,636,480; July 19.
Mohr, Franklin, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control of electric waves. 1,636,146; July 19.
Moland, William G., Philadelphia, Pa. Boot jack. 1,636,010; July 19.
Monarch Machine Tool Company, The. (See Whipp, Wendell E., assignor.)
Montero, Carlos, Habana, Cuba. Aeroplane. 1,636,320; July 19.
Moone, Albert E. F., assignor of one-third to J. M. Conghlin, Chicago, Ill. Reel for electric conductors. 1,636,193; July 19.
Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Process of and apparatus for making sanitary metal cans. 1,636,103; July 19.
Moore, Arlington, New York, N. Y., assignor to Moore Inventions Corporation, Worcester, Mass. Combined emergency ash tray and match-box lock. 1,636,147; July 19.
Moore Inventions Company. (See Moore, Arlington, assignor.)
Morabito, Luigi, Port Chester, N. Y. Gas burner for heating purposes. 1,636,643; July 19.
Morgan Canning Company, The. (See Eddington, William R., assignor.)
Morris, Fred C., San Francisco, Calif. Bushing for steering columns. 1,636,528; July 19.
Morris, I. P., Corporation. (See Larner, Chester W., assignor.)
Morrison, Andrew M., Dubuque, Iowa. Gate valve. 1,636,427; July 19.

Mosheim, Albert, East Orange, N. J. Dispensing receptacle. 1,636,063; July 19.
Motschman, Henry H., assignor to Union Bed and Spring Company, Chicago, Ill. Hinge. 1,636,529; July 19.
Moulton, Harley C., Maplewood, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co. Garment and like article of Manufacture. Re16,680; July 19.
Moxley, William M., Marceline, Mo. Automatic controlling mechanism for automobiles, trucks, trailers, and the like. 1,636,064; July 19.
Mueller, Adolph, trustee. (See Mueller, P., and Hill, assignors.)
Mueller, Philip, Decatur, Ill., and C. A. Hill, Port Huron, Mich., assignors to Adolph Mueller, trustee, Decatur, Ill. High-pressure gas valve and shipping plug. 1,636,065; July 19.
Mullins, Claude S., Flushing, N. Y. Loose-leaf binder. 1,636,428; July 19.
Mullins, Robert T., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Golf bag. 1,636,194; July 19.
Munters, Carl G. (See Von Platen, B. C., and Munters.)
Murphy, John H., and E. A. Lotz, St. Louis, Mo. Air lock. 1,636,572; July 19.
Murray, John D., San Francisco, Calif. Spray nozzle and tip. 1,636,314; July 19.
Murray, John D., San Francisco, Calif. Air brush. 1,636,315; July 19.
Murray Manufacturing Company, The. (See Howe, James M., assignor.)
Murray, Thomas E., and H. R. Woodrow, New York, N. Y.; said Woodrow assignor to said Murray. Arc-welding machine. 1,636,104; July 19.
Myers, Hubert A., assignor to The Myers Regulator Company, Toledo, Ohio. Automatic gear lock for window regulators. 1,636,105; July 19.
Myers Regulator Company, The. (See Myers, Hubert A., assignor.)
Naef, Ernest E., Paris, France, assignor to Tubize Artificial Silk Company of America. Producing alkali-metal sulphydrates. 1,636,106; July 19.
Namiot, Charles B., New York, N. Y. Garter. 1,636,107; July 19.
Napier, Archibald S., St. Paul, assignor to J. N. Collins Company, Minneapolis, Minn. Advertising and display carton. 1,636,066; July 19.
National Grave Vault Co., The. (See Brick, Perry A., assignor.)
National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)
National Paper Can Company, The. (See Annen, James E., assignor.)
National Screen & Manufacturing Company, The. (See Sickle, Frederick A., assignor.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Neal, Franklin G. (See Welcker, Rudolph, assignor.)
Needles, John W., assignor of one-half to M. M. House, Kansas City, Mo. Dental grinding device and process. 1,636,321; July 19.
Neidich, Samuel A., Edgewater Park, N. J. Renewing ink ribbon. 1,636,573; July 19.
Nerney, George E., Attleboro, assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass frame. Des. 73,097; July 19.
Nettleton, Lewis L., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,636,067; July 19.
Neumann, Fritz, assignor to Armaturen- & Maschinenfabrik A.-G. vorm. J. A. Hilpert, Nuremberg, Germany. Fire pump. 1,636,382; July 19.
Neumann, R., Hardware Co., The. (See Stuart, Frank T., assignor.)
Neveu, Hippolyte, assignor to Y. de Paniagua, Paris, France. Apparatus for the solidification of liquid hydrocarbons. 1,636,644; July 19.
New England Paper Box Company. (See Peirce, Clarence A., assignor.)
Newsbaum, Frank J., Detroit, Mich., and J. M. Lonn, La Porte, Ind., assignors to International Amusement Corporation, Detroit, Mich. Racing amusement device. 1,636,481; July 19.
Newton, Frank H., assignor to Duplex Dilator Corporation, Los Angeles, Calif. Vaginal applicator. 1,636,482; July 19.
Nicholls, William H., Brooklyn, N. Y. Molding machine. 1,636,383; July 19.
Nicholls, William H., Brooklyn, N. Y. Sand mulling and aerating machine. 1,636,384; July 19.
Nicholson, John H., Dublin, Ireland, and W. S. Roberts, Ormskirk, assignors of one-third to The Railway Signal Company, Limited, London, England. Railway point, signal, and the like. 1,636,068; July 19.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Handle assembly. 1,636,011; July 19.
Nicholson, W. H., & Company. (See Cortis-Stanford, Eric L., assignor.)
Niegemann, George F. (See Erickson, Erick, assignor.)
Nielsen, Hans P., Alameda, assignor to Eames Company, San Francisco, Calif. Wheel. 1,636,483; July 19.
Niewald, Walter C., Freedom, Mo. Locking device for demountable rims. 1,636,385; July 19.
Noah, Leroy H., Palco, Kans. Internal-combustion engine. 1,636,612; July 19.
Noble, F. H., & Company. (See Shields, John M., assignor.)
Noble, F. H., & Company. (See Wright, Elton A., assignor.)
Noda, Ichiro, Brooklyn, N. Y. Amusement device. 1,636,645; July 19.
Noesske, Georg, Berlin-Steglitz, Germany. Swimming shoe. 1,636,316; July 19.
Norris, Harry S. (See Fulenwider, J. and H., Robinson, and Norris.)
Northwestern Yeast Company. (See Hill, C. B., and Givens, assignors.)
Nyhus, Sverre, Lille-Hammer, Norway, assignor to U. S. Slicing Machine Company, La Porte, Ind. Machine for slicing meat. 1,636,530; July 19.
Nyrop, Aage, Horsholm, Denmark. Apparatus for atomizing liquids. 1,636,317; July 19.
Obermoser, Albert, Bruchsal, Germany. Band saw. 1,636,484; July 19.
Oberreich, Louie H., Indianapolis, Ind. Cushion rebound check. 1,636,386; July 19.
Obiol, Felipe, Buenos Aires, Argentina. Safety lid. 1,636,531; July 19.
Oesterwitz, Otto H., Syracuse, N. Y. Surgical instrument. Re. 16,687; July 19.
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Oldroyd, Francis H., Radcliffe, England. Production of knotted pile fabrics. 1,636,613; July 19.
O'Leary, William C., assignor of one-fourth to J. R. Pumphrey and one-eighth to L. G. Berry, Washington, D. C. Vacuum wall receptacle. 1,636,322; July 19.
Olson, Gottfrid. (See Steiner, F. M., and Olson.)
Olson, John A., and E. R. Hellman, Detroit, Mich. Piston ring. 1,636,012; July 19.
Olson, Samuel, assignor to Samuel Olson & Company, Chicago, Ill. Automatic transfer mechanism for conveyers. 1,636,429; July 19.
Olson, Samuel, & Company. (See Olson, Samuel, assignor.)
Ornamental Iron Products Co. (See Stiffel, Theophile A., assignor.)
Owens Bottle Company, The. (See La France, Richard, assignor.)
Owens, Patrick E., Union Center, Wis. Wrench. 1,636,318; July 19.
Palm, Fechteler & Co. (See Bihr, Alphonse, assignor.)
Pankuch, George, Cleveland, Ohio. Pot-mouthpiece wiper for type-casting machines. 1,636,430; July 19.
Paris, Peter, et al. (See Luther, John A., assignor.)
Parkinson, James, Toronto, Ontario, Canada. Display sign. 1,636,108; July 19.
Parks, Charles F., Muncie, Ind. Clothes support. 1,636,431; July 19.
Partridge, Alvin S., Richmond Highlands, Wash. Label-attaching device. 1,636,432; July 19.
Partridge, Esther E., Spokane, Wash. Strainer. 1,636,240; July 19.
Patent-Treuhand Gesellschaft für Elektrische Glühlampen m. b. H. (See Loewenherz, Siegmund, assignor.)
Patten, Charles H., assignor to Rex Manufacturing Company, Providence, R. I. Extension device for flexible bracelets. 1,636,646; July 19.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. 1,636,647; July 19.
Pearl, Samuel. (See Bolozky, S., and Pearl.)
Pearl, Simon. (See Shore, Morris, assignor.)
Peirce, Clarence A., assignor to New England Paper Box Company, New Haven, Conn. Candy box or the like. 1,636,387; July 19.
Peltzer, Jacob, Brooklyn, N. Y. Skeleton form for headpieces of furs. 1,636,575; July 19.
Pennsylvania Textile Mills, Inc. (See Caluori, George, assignor.)
Penrod, John, and R. D. Thompson, Okmulgee, Okla. Pumping equipment. 1,636,433; July 19.
Pepper, Frederick V. (See Megie, J. J., and Pepper.)
Perdrix, Clotilde. (See Planche, Benjamin R., assignor.)
Peremi, Edmund. (See Polachek, J., Jepsen, and Peremi.)
Perfect Pool Pocket Irons Company. (See Jaeger, Gustav A. and A. F., assignors.)
Perkin, William H., Oxford, A. W. Fyfe and M. Mendoza, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of anthraquinone derivatives. 1,636,485; July 19.
Perry, Emanuel J., New Bedford, assignor to Perry Laundry Machinery Company, Fairhaven, Mass. Latch. 1,636,069; July 19.
Perry, Howard M., Clarksville, Tenn. Hand-truck attachment. 1,636,574; July 19.
Perry, John E., Sharon, Pa. Permanent hot-top mold. 1,636,013; July 19.
Perry Laundry Machinery Company. (See Perry, Emanuel J., assignor.)
Pfeiffer, Christian. (See Köppen, W., and Pfeiffer.)
Philips, N. V., Gloeilampenfabrieken. (See Van Arkel, A. E., and De Boer, assignors.)
Pickell, Archie B., Kansas City, Mo. Spraying device. 1,636,070; July 19.
Pickering Lumber Company. (See Lynch, Charles W., assignor.)

Pinaud, John A., Atlantic Highlands, N. J. Wind motor. 1,636,434; July 19.
Pitman, Earle C., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reducing viscosity of nitrocellulose solutions and product thereof. 1,636,319; July 19.
Pitt, Frederick D., assignor to The Anderson-Pitt Corporation, Kansas City, Mo. Packing or shipping carton. 1,636,071; July 19.
Planche, Benjamin R., Villefranche-sur-Saone, assignor to Mrs. Widow Ernest B. Planche, born Clotilde Perdrix, France. Rotary engine or pump. 1,636,486; July 19.
Planche, Mrs. Ernest B. (See Planche, Benjamin R., assignor.)
Plomp, Hendrik, Amersfoort, Netherlands. Attaching device. 1,636,109; July 19.
Pneumatic Scale Corporation, Ltd. (See Robinson, George A., assignor.)
Polachek, John, Bronze & Iron Co. (See Polachek, J., Jepsen, and Peremi, assignors.)
Polachek, John, New York, J. Jepsen, Brooklyn, and E. Peremi, Elmhurst Manor, assignors to J. Polachek, doing business under the name of John Polachek Bronze & Iron Co., Long Island City, N. Y. Window. 1,636,241; July 19.
Powers, George G., assignor to Union Bed & Spring Company, Chicago, Ill. Folding bed structure. 1,636,532; July 19.
Prachar, John, assignor to The Hazlett Storage Battery Company, Cleveland, Ohio. Apparatus for and method of forming storage-battery grids. 1,636,242; July 19.
Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Piston assembly. 1,636,614; July 19.
Priebe, Herman C., Blue Island, Ill. Friction draft gear. 1,636,435; July 19.
Procter and Gamble Company, The. (See Knowles, Harvey C., assignor.)
Progressive Corrugated Paper Machinery Co. (See Schroeder, Louis H., assignor.)
Provost, Agnes, Milwaukee, Wis. Cuticle stick. 1,636,148; July 19.
Pumphrey, Joseph R., et al. (See O'Leary, William C., assignor.)
Quade, Alfred, and A. H. Klumb, assignors to West Bend Equipment Corporation, West Bend, Wis. Stanchion, 1,636,072; July 19.
Quaker Oats Company, The. (See Wilson, William C., assignor.)
Quinn, John W., Hull, Mass. Apparatus for drying shoes. 1,636,195; July 19.
Quint, Everett A., assignor to Johnson & Johnson, New Brunswick, N. J. Surgical needle and making it. 1,636,615; July 19.
Quirk, Thomas J. (See Setchfield, James, assignor.)
Railway Signal Company, The. (See Nicholson, J. H., and Roberts, assignors.)
Ramsdell, William E. (See Hose, H. G., and Ramsdell.)
Rand, Charles E., San Diego, Calif. Collapsible shaving cup. 1,636,323; July 19.
Raney, Clemma R. (See Benjamin, B. R., and Raney.)
Rasmussen, Albert E., Yakima, assignor of one-half to A. B. Fosseen, Spokane, Wash. Pipe-laying implement. 1,636,243; July 19.
Ray, Arthur J., assignor to Automatic Electric, Inc., Chicago, Ill. Multioffice automatic telephone system. 1,636,648; July 19.
Read, Thomas T., Washington, D. C. Closure. 1,636,487; July 19.
Rechberg, A., Gesellschaft mit beschränkter Haftung et al. (See Bell, A., and Meyer, assignors.)
Reed, Clarence E. (See Blauvelt, Fred K., assignor.)
Reed, Clarence E., Wichita, Kans. Well-drilling cutter and bearing therefor. 1,636,663; July 19.
Reed, Clarence E., Wichita, Kans. Rotary deep-well-drilling apparatus. 1,636,664; July 19.
Reed, Clarence E., Wichita, Kans. Earth-boring drill. 1,636,665; July 19.
Reed, Clarence E., Wichita, Kans. Earth-boring drill. 1,636,666; July 19.
Reed, Clarence E., Wichita, Kans. Deep-well-drilling apparatus. 1,636,667; July 19.
Reed, Clarence E., Wichita, Kans. Earth-boring tool. 1,636,668; July 19.
Reed, James H., Swampscott, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Stop mechanism. 1,636,324; July 19.
Rembrandt Lamp Corporation. (See Rothbart, Max, assignor.)
Remington-Noiseless Typewriter Corporation. (See Going, George G., assignor.)
Renner, James S. (See Adamson, Charles E., assignor.)
Republic Rubber Corporation, The. (See Dumbleton, Harold F., assignor.)
Rettenmeyer, Francis X., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for wave analysis. 1,636,436; July 19.
Rex Manufacturing Company. (See Patten, Charles H., assignor.)
Reynolds, Joy S., assignor of one-half to C. A. Balcom, San Francisco, Calif. Hydraulic unit. 1,636,488; July 19.
Richardson, Ernest, Beaver Falls, Pa. Water-closet structure. 1,636,649; July 19.
Richter, Carl H., assignor to Richter Manufacturing Company, Chicago, Ill. Banjo and the like. 1,636,244; July 19.
Richter Manufacturing Company. (See Richter, Carl H., assignor.)
Riedel, Augustus I., Savannah, Ga. Scrubbing machine. 1,636,437; July 19.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Cylinder and plunger arrangement for high-pressure compressors. 1,636,438; July 19.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Variable-capacity compressor. 1,636,439; July 19.
Riesner, Michael, Cincinnati, Ohio, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Compensating air compressor. 1,636,440; July 19.
Rittenhouse, Charles, jr., Cincinnati, Ohio. Combined signal lamp and supporting bracket for automobiles and other vehicles. Des. 73,098; July 19.
Robbins, William H., Springfield, assignor to The Williams Company, London, Ohio. Steel-wool buffer. 1,636,196; July 19.
Roberts, Walter S. (See Nicholson, J. H., and Roberts.)
Robertson, Harry M., Lakewood, Ohio. Kiln truck. 1,636,073; July 19.
Robins, Samuel D., Stamford, Conn. Circuit-closing device. 1,636,245; July 19.
Robinson, Edward W. (See Fulenwider, Jesse and H., Robinson, and Norris.)
Robinson, George A., Battle Creek, Mich., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. Compensator for carton conveyers. 1,636,014; July 19.
Robinson, Thomas, New York, N. Y. Protected metal roofing. 1,636,388; July 19.
Rodanet, Charles H. H., Levallois-Perret, France, assignor to Societe Anonyme des Etablissements Ed. Jaeger, Paris, France. Mechanism for controlling speed indicators or the like. 1,636,074; July 19.
Rode, Fredrich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Pressure cushion. 1,636,110; July 19.
Rode, Fredrich J., assignor to Marquette Tool & Manufacturing Company, Chicago, Ill. Drawing press for heating and drawing sheet metal. 1,636,111; July 19.
Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster mechanism. 1,636,325; July 19.
Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Caster. 1,636,326; July 19.
Roe, Mayo E., assignor to The Colson Company, Elyria, Ohio. Cycle. 1,636,327; July 19.
Rohde, Otto C., assignor to Champion Spark Plug Company, Toledo, Ohio. Spark plug. 1,636,197; July 19.
Ronci, Victor L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,636,015; July 19.
Rosenband, Albert. (See Greenbaum, N., and Rosenband.)
Rosenband Mfg. Co. (See Brauns, W., and Walker, assignors.)
Rosenberg, Irwin L., Chicago, Ill. Attaching objects. 1,636,075; July 19.
Rosenheim Co. Inc. (See Jones, Percival W., assignor.)
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,099; July 19.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,100; July 19.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,101; July 19.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,102; July 19.
Rotsted, William, Chicago, Ill. Keeping accounts. 1,636,441; July 19.
Rowe, Walter, Chicago, Ill. Game board. Des. 73,103; July 19.
Rubber Shock Insulator Company, The. (See Lipcot, Fred L., assignor.)
Rudolph, Wilhelm, Kiel, and A. du Bois-Reymond, Plon, near Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Sound-direction finder. 1,636,576; July 19.
Ruthenburg, Louis R., East Moline, Ill. Boat. 1,636,076; July 19.
Ryan, Alva L., assignor of one-half to W. J. Artz, Pittsburgh, Pa. Pressure gauge. 1,636,077; July 19.
Sacromone, Rocco, Brooklyn, N. Y. Neckband shaper. 1,636,246; July 19.
Sands, Edwin T. (See Birkin, C. W., and Sands.)
Sauer, Louis B., Western Springs, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Condenser. 1,636,328; July 19.
Scammell China Co. (See Schnepf, Emil L., assignor.)
Schatz, Herman A. (See Smith, William F., assignor.)
Scheuermann, Charles, Mobile, Ala. Burner cone. 1,636,616; July 19.
Schiesari, Mario, New York, N. Y. Method of and apparatus for making sculptures. 1,636,149; July 19.
Schleich Studios, Inc. (See Schleich, William F., assignor.)
Schleich, William F., Harrison, assignor to Schleich Studios, Inc., New York, N. Y. Bird cage. Re16,681; July 19.
Schleicher, Inc. (See Schleicher, Paul E., assignor.)

Schleicher, Paul E., Chicago, Ill., assignor to Schleicher, Inc., Gary, Ind. Knockdown radiator cover. 1,636,247; July 19.
Schneider, Herman L., Chicago, Ill. Carpet and rug beating apparatus. 1,636,150; July 19.
Schnepf, Emil L., assignor to Scammell China Co., Trenton, N. J. Plate. Des. 73,104; July 19.
Scholes, Richard T., Hinsdale, Ill. Rail joint. 1,636,442; July 19.
Schollhorn, William, Company, The. (See Bernard, William A., assignor.)
Schrag, Joseph, jr., Mound Ridge, Kans. Combined grain and hay stacker. 1,636,650; July 19.
Schreiber, Frederick T., Ocala, Fla. Movable seat. 1,636,078; July 19.
Schroeder, Louis H., Woodhaven, assignor to Progressive Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Slotting and scoring machine. 1,636,198; July 19.
Schuette, Henry J., Quincy, Ill. Vehicle bumper. 1,636,248; July 19.
Schüfftan, Eugen, Hollywood, Calif. System of taking photographic and cinematographic pictures. 1,636,112; July 19.
Schuller, Carl G., Brecksville, Ohio. Rotary cutting tool. 1,636,577; July 19.
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Goggles. 1,636,443; July 19.
Schwartz, Harry A., Cleveland Heights, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Making malleable iron castings. 1,636,657; July 19.
Scott, Charles B., Hanover, N. H. Anchor. 1,636,617; July 19.
Scott, Eli, Walnut Grove, Minn. Whip actuator. 1,636,249; July 19.
Searles, Fred R. (See Bell, R. H., and Searles.)
Sears, John E., jr., and A. J. C. Brookes, Teddington, Middlesex, England; said Sears assignor to said Brookes. Magnetic chuck. 1,636,533; July 19.
Sebring Manufacturing Corporation. (See Brunt, Samuel, assignor.)
Semenov, Ivan A., Pizen, Czechoslovakia. Cigarette-making machine. 1,636,489; July 19.
Setchfield, James, assignor of one-half to T. J. Quirk, Portland, Oreg. Fireplace damper. 1,636,250; July 19.
Shave, George F., Lyndhurst, South Victoria, Australia. Reversible stump-jump disk plow. 1,636,079; July 19.
Shaw, Fred W., Cumberland Center, Me. Toy building block. 1,636,080; July 19.
Shaw, John C. and R. D., assignors to Keller Mechanical Engineering Corporation, Brooklyn, N. Y. Making segmental laminated gears. 1,636,670; July 19.
Shaw, John S., Leeds, England. Furnace for melting and refining glass and other like purposes. 1,636,151; July 19.
Shaw, Marguerite, Venice, Calif. Box. Des. 73,105; July 19.
Shaw, Robert D. (See Shaw, John C. and R. D.)
Shea, John P. (See Dolan, J. R., and Shea.)
Shea, Timothy E., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave filter. 1,636,152; July 19.
Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Ore car. 1,636,534; July 19.
Sherry, Michael J., Utica, N. Y. Shuffleboard construction. 1,636,535; July 19.
Sherry, Sol C., Englewood, N. J. Mail box. 1,636,329; July 19.
Shields, John M., assignor to F. H. Noble & Company, Chicago, Ill. Ring box. 1,636,251; July 19.
Shiner, William R., Bethlehem, Pa., assignor to Bethlehem Steel Company. Steel of high-temperature stability. Re16,683; July 19.
Shore, Morris, assignor, by mesne assignments, to Simon Pearl, Philadelphia, Pa. Refrigerating cabinet. Des. 73,106; July 19.
Shuell, Frank W., E. E. Ledbetter, and T. J. Tobey, assignors to Everhot Heater Company, Detroit, Mich. Draft hood for hot-water heaters. 1,636,016; July 19.
Siebert, O. W., Company. (See Siebert, Otto W., assignor.)
Siebert, Otto W., assignor to O. W. Siebert Company, Gardner, Mass. Carriage body. 1,636,252; July 19.
Signal Gesellschaft m. b. H. (See Rudolph, W., and du Bois-Reymond, assignors.)
Silva, Michael F., Hyde Park, Mass. Sprinkler system. 1,636,444; July 19.
Simmons, R. A., Vernonia, Oreg. Reversible-flow dry kiln. 1,636,490; July 19.
Simms, Frederick R., London, England. Flexible rotary coupling. 1,636,389; July 19.
Simonet, Alexander. (See Fischer, C., and Simonet.)
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Coupler-positioning device. 1,636,153; July 19.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Uncoupling device for car couplers. 1,636,154; July 19.
Small, James C., Philadelphia, Pa. Bacterium specific for rheumatic fever and method of utilizing the same in the prevention and treatment of rheumatic fever. 1,636,445; July 19.
Smiley, Arthur S., assignor to Union Tank Car Company, New York, N. Y. Cover for receptacles and supports therefor. 1,636,446; July 19.
Smith, Arthur B., Evanston, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Substation telephone circuit. 1,636,330; July 19.
Smith, Charles K., Fort Atkinson, Iowa. Plastic-block-forming machine. 1,636,253; July 19.
Smith, William A., jr., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for pneumatic tool. 1,636,651; July 19.
Smith, William B., Hamilton Parish, Bermuda, assignor to H. H. Whetzel, Ithaca, N. Y. Apparatus for application of powdered disinfectants. 1,636,331; July 19.
Smith, William F., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Magneto. 1,636,017; July 19.
Snapp, John P., Limestone, Tenn. Guide tool. 1,636,332; July 19.
Société Anonyme des Etablissements Ed. Jaeger. (See Rodanet, Charles H. H., assignor.)
Soles, Fred A., Platteville, Wis. Sanitary sealed carton. 1,636,390; July 19.
Soman, Michael E., assignor to Greenberg & Schwartz, New York, N. Y. Finger ring. Des. 73,107; July 19.
Spalding, A. G., & Bros. (See Cruden, George W., assignor.)
Spalding, A. G., & Bros. (See Mullins, Robert T., assignor.)
Speicher, Harold S., assignor to The Cyclone Manufacturing Company, Urbana, Ind. Adjustable feeder. 1,636,658; July 19.
Splain, Walter E., and H. L. Stackhouse, Cincinnati, Ohio, assignors, by mesne assignments, to United States Pump Corporation. Gasoline dispensing device. 1,636,652; July 19.
Sprenger, Emile, Goldach, Switzerland. Method and apparatus for mixing, grading, and sorting granular and pulverulent material. 1,636,081; July 19.
Stackhouse, Howard L. (See Splain, W. E., and Stackhouse.)
Standard Gage Co. (See Aldeborgh, Erik H., assignor.)
Standard Machine Company. (See Bergsten, John, assignor.)
Standard Oil Company of California. (See Thompson, Walter N., assignor.)
Standing, Amos W., Houston, Tex. Bill clasp. 1,636,254; July 19.
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing machine. 1,636,333; July 19.
Standish, Thomas L., Los Angeles, Calif. Submarine detection float. 1,636,447; July 19.
Stange, Christopher L., assignor to The Grand Council of the Order of De Molay, St. Louis, Mo. Ring. Des. 73,108; July 19.
Star Sprinkler Corporation. (See Griffith, William B., assignor.)
Steel Scaffolding Company, The. (See Goodwin, James R., assignor.)
Steinberg, Irving C., assignor to J. Steinberg & Sons, Newark, N. J. Skylight. 1,636,018; July 19.
Steinberg & Sons. (See Steinberg, Irving C., assignor.)
Steiner, Frank M., and G. Olson, Minneapolis, Minn., assignors, by mesne assignments, to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet. 1,636,155; July 19.
Steiner Sales Company. (See Steiner, F. M., and Olson, assignors.)
Stemen, Charles M., Johnstown, Ohio. Sanitary milk pail cover. 1,636,199; July 19.
Stern, Isidor, Newark, N. J. Combination gem and setting. Des. 73,109; July 19.
Stern, Isidor, Newark, N. J. Combination gem and setting. Des. 73,110; July 19.
Stevens, Augustus R. and F. M., Lindsay, Calif. Drying machine. 1,636,082; July 19.
Stevens, Francis M. (See Stevens, Augustus R. and F. M.)
Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,636,334; July 19.
Stevens, Frederick A., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,636,337; July 19.
Stevens, Frederick A., and J. W. Welsh, Providence, R. I., assignors, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,636,338; July 19.
Stewart, John, New York, N. Y. Cleaning device for distributor heads. 1,636,083; July 19.
Stickle, Frederick A., assignor to The National Screen & Manufacturing Company, Cincinnati, Ohio. Window-screen holder. 1,636,255; July 19.
Stiffel, Theophile A., assignor to Ornamental Iron Products Co., Chicago, Ill. Lamp. Des. 73,111; July 19.
Stock, Pauline. (See Wittek, Hermann, assignor.)
Stotesbury & Miner. (See Hughes, Joseph D. E., assignor.)
Strauss, Ferdinand, Corporation, The. (See Arden, Thomas R., assignor.)
Strauss, Nathan, & Sons, Inc. (See Kauffmann, Lou B., assignor.)

Streator, Henry D., Galesburg, Mich. Pavement. 1,636,113; July 19.
Streator, Henry D., Galesburg, Mich. Pavement. 1,636,114; July 19.
Strom, Gustav, assignor of forty one-hundredths to P. D. Johnston, Pontiac, Mich. Poured-wall form. 1,636,256; July 19.
Stromberg Motor Devices Company. (See Mock, F. C., Gustafson, and Chandler, assignors.)
Strubler, Charles G. and G. L., Chicago, Ill., assignors to Toledo Scale Company, Toledo, Ohio. Indicator actuating and controlling device for scales. 1,636,257; July 19.
Strubler, Gordon L. (See Strubler, Charles G. and G. L.)
Stuart, Frank T., Maplewood, N. J., assignor to The R. Neumann Hardware Co. Hinge for bag frames. 1,636,019; July 19.
Stubbs, William A., Sherbrooke, Quebec, Canada. Key fastener. 1,636,392; July 19.
Submarine Signal Company. (See Dorsey, Herbert G., assignor.)
Submarine Signal Company. (See Hayes, H. C., and Mason, assignors.)
Summers, Louis D., Springfield, assignor to Leader Iron Works, Decatur, Ill. Boiler. 1,636,391; July 19.
Sun Rise Lamp Mfg. Co. (See Cricchio, Paul, assignor.)
Sutherland, Daniel M., jr., Trenton, N. J. Electric insulation board. 1,636,491; July 19.
Svartz, Josef, Stockholm, Sweden. Multicylinder plunger pump, compressor, and the like. 1,636,258; July 19.
Sweeney, Andrew J., Bayonne, N. J. Rotary pump. 1,636,259; July 19.
Swift, William S. (See Corriston, Katherine, assignor.)
Tabulating Machine Company, The. (See Brandt, Martin F., assignor.)
Taylor, Charles W., Hendon, London, England. Pulley. 1,636,492; July 19.
Taylor, John H., Peoria, Ill. Car coupling. 1,636,202; July 19.
Teel, Vernon, Trousdale, Okla. Cushion for chair rockers. 1,636,260; July 19.
Terry, Frank G., Salinas, Calif. Thrashing machine. 1,636,578; July 19.
Thalheimer, Nicholas C., assignor to Union Metal Products Company, Chicago, Ill. Diaphragm buffer mechanism. 1,636,156; July 19.
Theophiledes, Aris, Jeannette, Pa. Cooking apparatus. 1,636,393; July 19.
Thomas, Albert G., Lynchburg, Va. Vacuum or thermionic tube. 1,636,261; July 19.
Thompson, Robert D. (See Penrod, J., and Thompson.)
Thompson, Walter N., Taft, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Core barrel. 1,636,084; July 19.
Tobey, Thomas J. (See Shuell, F. W., Ledbetter, and Tobey.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Strubler, Charles G. and G. L., assignors.)
Tolhurst Machine Works. (See Gage, John S., assignor.)
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Car and air coupling mechanism. 1,636,157; July 19.
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Toomey, Howard C., Philadelphia, Pa. Spreading or sowing machine for root planting. 1,636,536; July 19.
Towers, Arthur A., Cleveland, Ohio. Disappearing window for vehicles. 1,636,394; July 19.
Towers, John H., Balsam Lake, Wis. Dead-center device. 1,636,395; July 19.
Trenor, Albert D., Gloucester, assignor to J. H. Hammond, jr., Gloucester, Mass. Synchronizing mechanism. 1,636,020; July 19.
Troendly, Harry P., Chicago, Ill. Torque-cushioning means. 1,636,262; July 19.
Tryner, Ben J., Chicago, Ill., assignor to Enterprise Boiler & Tank Works. Damper regulator for furnaces. 1,636,537; July 19.
Tubize Artificial Silk Company of America. (See Naef, Ernest E., assignor.)
XXth Century Heating and Ventilating Company. (See Diehm, Ernst F., assignor.)
Tyden, Emil, Evanston, Ill. Dry-pipe valve. 1,636,263; July 19.
Tynan, Henry J., Ridgewood, N. J. Bobbing-braking mechanism. 1,636,158; July 19.
Unico Motor Products Corporation. (See Walter, Frank H., assignor.)
Union Bed and Spring Company. (See Ford, Ben K., assignor.)
Union Bed and Spring Company. (See Motschman, Henry H., assignor.)
Union Bed & Spring Company. (See Powers, George G., assignor.)
Union Metal Products Company. (See Bonsall, Charles D., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Metal Products Company. (See Thalheimer, Nicholas C., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Switch & Signal Company, The. (See Beall, C. R., and Gilson, assignors.)
Union Switch & Signal Company, The. (See Nettleton, Lewis L., assignor.)
Union Switch and Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
Union Tank Car Company. (See Smiley, Arthur B., assignor.)
United Ammonia Company. (See Dolan, J. R., and Shea, assignors.)
United Shoe Machinery Corporation. (See Cross, Garrett P. S., assignor.)
United Shoe Machinery Corporation. (See Reed, James H., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United States Asbestos Co. (See Hettinger, Jennie S., assignor.)
United States Pump Corporation. (See Splain, W. E., and Stackhouse, assignors.)
U. S. Slicing Machine Company. (See Nyhus, Sverre, assignor.)
Universal Draft Gear Attachment Company. (See Camp, Percy B., assignor.)
Unné, Ernst, Harrogate, England. Massaging apparatus. 1,636,159; July 19.
Urschel, William E., Valparaiso, Ind. Building form. 1,636,396; July 19.
Valentine, Richard D., Tulsa, Okla. Safety try cock. 1,636,397; July 19.
Van Arkel, Anton E., and J. H. De Boer, assignors to N. V. Philips, Gloeilampenfabrieken, Eindhoven, Netherlands. Dissolving a mixture of hafnium and zirconium phosphates and for separating hafnium and zirconium. 1,636,493; July 19.
Van Buren, Elmer M., Bronxville, N. Y. Traffic light. 1,636,653; July 19.
Van Brunt, John, Flushing, assignor to International Combustion Engineering Corporation, New York, N. Y. Ash gate. 1,636,398; July 19.
Van Ranst, Cornelius W., Detroit, Mich. Lubricating means for motor-car pistons. 1,636,021; July 19.
Van Zandt, Hubert, Hinsdale, and B. Eyman, Winnetka, Ill. Washing device. 1,636,022; July 19.
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Corset. 1,636,023; July 19.
Versoy, Irving R., assignor to The Berger Brothers Company, New Haven, Conn. Corset. 1,636,399; July 19.
Vestal, Albert H., et al. (See Malone, Adolph W., assignor.)
Vester, Alfred, Sons, Inc. (See Kantack, Walter W., assignor.)
Vetterlein, Henry M., assignor of one-half to H. P. Burke, Philadelphia, Pa. Shutter or door. 1,636,200; July 19.
Villaret, Gustave E., Leonia, N. J., assignor to Owen Walsh M'fg. Co., Inc., New York, N. Y. Panel for a lighting fixture. Des. 73,112; July 19.
Visible Tire Gauge Co. (See Johnson, Frederick G., assignor.)
Volwiler, Ernest H., Highland Park, assignor to Abbott Laboratories, North Chicago, Ill. Barbituric-acid derivative. 1,636,201; July 19.
Volz, George A., Cincinnati, Ohio. Reversible heel. 1,636,494; July 19.
Von Boecklin, August E. L., and L. M. Larson, assignors to Washington Manufacturing Co., Tacoma, Wash. Molder or sticker device. 1,636,400; July 19.
Von Platen, Baltzar C., Ystad, and C. G. Munters, Dalajarna, Sweden, assignors by mesne assignments to Electrolux Servel Corporation. Refrigerating apparatus of the absorption type. 1,636,115; July 19.
Vose, Edwin W., Beverly, Mass. Signal apparatus for automobiles. 1,636,024; July 19.
Wacker, William E. (See Goertz, F., and Wacker.)
Waelde, George F., Hillsdale, N. J. Sheet-metal-layout tool. 1,636,025; July 19.
Wagner, A. L., Mfg. Co. Inc. (See Wagner, Abraham L., assignor.)
Wagner, Abraham L., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Perfume atomizer or article of similar nature. Des. 73,113; July 19.
Wagner, Abraham L., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Perfume atomizer or article of similar nature. Des. 73,114; July 19.
Wagner, Abraham L., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Perfume atomizer or article of similar nature. Des. 73,115; July 19.
Wagner, Abraham L., assignor to A. L. Wagner Mfg. Co. Inc., New York, N. Y. Perfume atomizer or article of similar nature. Des. 73,116; July 19.
Wagner, Frank N. (See Fairman, K. C., and Wagner.)
Wallnsky, Ossip J., Sea Gate, assignor to White Luggage Co. Inc., New York, N. Y. Hatbox. 1,636,675; July 19.
Walker, William J. (See Brauns, W., and Walker.)
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,636,026; July 19.
Walsh, Owen, M'fg. Co. (See Villaret, Gustave E., assignor.)
Walter, Frank H., assignor to Unico Motor Products Corporation, St. Louis, Mo. Piston ring. 1,636,027; July 19.
Warner, Raymond M., assignor to The Miller Rubber Company, Akron, Ohio. Vulcanizing rubber. Re16,682; July 19.
Warnock, Cline W., Bucyrus, Ohio. Combined test bath, sample warmer, and hot-water reservoir. 1,636,116; July 19.
Washington Manufacturing Co. (See Von Boecklin, A. E. L., and Larson, assignors.)
Watt, R. L. (See Goodman, Albert J., assignor.)
Weber, Henry E., Canton, Ohio. Hose coupling. 1,636,579; July 19.
Weber, John N., Waukesha, Wis. Apparatus for giving mud baths. 1,636,401; July 19.
Weida, William W., Massillon, Ohio. Fuse-plug holder. 1,636,580; July 19.
Weiss, Benjamin, New York, N. Y. Locked safety garment hanger. 1,636,264; July 19.
Welcker, Rudolph, assignor of one-fourth to F. G. Neal, Springfield, Mass. Pressure-operated valve apparatus. 1,636,402; July 19.
Wells, William S., Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Loom. 1,636,343; July 19.
Welsh, James W. (See Stevens, F. A., and Welsh.)
Welsh, James W., Providence, R. I., assignor, by mesne asignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 1,636,339; July 19.
Welsh, James W., Providence, R. I., assignor, by mesne assignments, to Bausch and Lomb Optical Company, Rochester, N. Y. Spectacle temple. 1,636,340; July 19.
West Bend Equipment Corporation. (See Quade, A., and Klumb, assignors.)
Western Electric Company. (See Chaplin, Merle P., assignor.)
Western Electric Company. (See Clark, Edgar H., assignor.)
Western Electric Company. (See Fay, Joseph W., assignor.)
Western Electric Company. (See Gargan, John O., assignor.)
Western Electric Company. (See Haddock, Arthur, assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Housekeeper, William G., assignor.)
Western Electric Company. (See Lum, George R., assignor.)
Western Electric Company. (See Mohr, Franklin, assignor.)
Western Electric Company. (See Ronci, Victor L., assignor.)
Western Electric Company. (See Shea, Timothy E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Atherton, Alfred L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Wheeler, Maude A. M., Oakland, Calif. Hair dye. 1,636,341; July 19.
Whelan, Joseph A., Greenwich, Conn. Folding horse. 1,636,342; July 19.
Whetzel, Herbert H. (See Smith, William B., assignor.)
Whipp, Wendell E., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Lathe. 1,636,028; July 19.
Whipple, Amos E., assignor to Whitin Machine Works, Whitinsville, Mass. Tool for removing travelers from spinning and twisting rings. 1,636,448; July 19.
Whipple, Leland B., Rochester, N. Y. Table for jointers. 1,636,538; July 19.
White, J. H., Manufacturing Company. (See Crumley, Le Roy A., assignor.)
White Luggage Co. Inc. (See Walinsky, Ossip J., assignor.)
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Whitehead, Thomas C., Detroit, Mich. Pump. 1,636,265; July 19.
Whitin Machine Works. (See Whipple, Amos E., assignor.)
Wicks, John, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,636,160; July 19.
Widmaier, Otto, Magstadt, Germany. Envelope blank and making same. 1,636,495; July 19.
Wiegand, Edwin L., Dormont Borough, Pa. Electrical heating device. 1,636,029; July 19.
Wiggins, John H., Bartlesville, Okla. Liquid-storage tank. 1,636,539; July 19.
Wiggins, John H., Bartlesville, Okla. Liquid-storage tank. 1,636,540; July 19.
Wilde, Percy R., Bath, England. Moist-hot-air bath. 1,636,581; July 19.
Wilkes, William R., and A. Kennedy, Cleveland, Ohio, assignors of one-third to A. W. McCoy, Williamsport, Pa. Window sash. 1,636,208; July 19.
Wilkinson, James W., Kansas City, Kans. Electric welding appliance. 1,636,266; July 19.
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Williams Company, The. (See Robbins, William H., assignor.)
Williams, Josiah H., Baltimore, Md. Inhalation device. 1,636,344; July 19.
Williams, Lester, Marshalltown, Iowa. Combined rotary bevel shear and scrap cutter. 1,636,267; July 19.
Williams, William E., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Tubular-spoked wheel. 1,636,541; July 19.
Willis, John P., Jenkins, Ky. Piston having an adjustable head for facilitating the removal of the piston rings. 1,636,542; July 19.
Willson, Carrie, executrix. (See Willson, Russell A.)
Willson, Russell A., deceased; C. Willson, executrix, assignor to F. N. Martin, Spokane, Wash. Ice-cream machine. 1,636,345; July 19.
Wilson, William C., assignor to The Quaker Oats Company, Chicago, Ill. Manufacture of furane. 1,636,080; July 19.
Winders, William D., Columbus, Ohio. Loose-leaf binder. 1,636,268; July 19.
Wittek, Hermann, Itzehoe-Sude, Holstein, Germany, assignor to P. Stock, Elkhart, Ind. Combination scaffold and stepladder. 1,636,085; July 19.
Witter, Leon A., Lakewood, Ohio. Fuel-feed-control mechanism. 1,636,582; July 19.
Wolfe, Richard, Kenilworth, Ill. Golf stance-steadying device. 1,636,086; July 19.
Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Bobeche. Des. 73,117; July 19.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Making late-news printing plate and mold therefor. 1,636,346; July 19.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodlands Limited. (See Kent-Jones, D. W., and Chitty, assignors.)
Woodroof, William W., Pittsburgh, Pa. Lighting-system switch. 1,636,347; July 19.
Woodrow, Harry R. (See Murray, T. E., and Woodrow.)
Woolery, Horace E., St. Paul, assignor to Woolery Machine Company, Minneapolis, Minn. Weed-burning device. 1,636,161; July 19.
Woolery Machine Company. (See Woolery, Horace E., assignor.)
Worthington Pump and Machinery Corporation. (See Riesner, Michael, assignor.)
Wright, A. E., Company. (See Wright, Albertis E., assignor.)
Wright, Albertis E., assignor to A. E. Wright Company, Chicago, Ill. Bottle. Des. 73,118; July 19.
Wright, Elton A., assignor to F. H. Noble & Company, Chicago, Ill. Crystal detector. 1,636,269; July 19.
Wright, Paul D., Wilkinsburg, Pa. Valve. 1,636,618; July 19.
Wright, Paul D., Edgewood, Pa. Sculling hook. 1,636,654; July 19.
Wright, Sumner B., East Orange, N. J., assignor to American Telephone and Telegraph Company. Voice-operated relay equipment. 1,636,031; July 19.
Wuelker, William E., Los Angeles, Calif. Power take-off for automobiles. 1,636,087; July 19.
Wurdack, Arthur, Normandy, Mo. Fruit press. 1,636,204; July 19.
Young, Bernhard, Frankfort-on-the-Main, Germany. Rotary retort. 1,636,270; July 19.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway-crossing signals. 1,636,348; July 19.
Young, Philip E., Fairhaven, Mass., assignor to Acushnet Process Company. Golf tee. 1,636,655; July 19.
Yuille, Nathaniel A., San Francisco, Calif. Dredging. 1,636,205; July 19.
Zavertnik, Joseph, jr., Chicago, Ill., assignor to The Barrett Company. Preparation of saturants. 1,636,271; July 19.
Zimmer, Albert E. (See Campbell, A., and Zimmer.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accordion plate. J. Galleazzi. 1,636,299; July 19.
Accounts, Keeping. W. Rotsted. 1,636,441; July 19.
Acid derivative, Barbituric. E. H. Volwiler. 1,636,201; July 19.
Aeroplane. C. Montero. 1,636,320; July 19.
Air compressor. J. A. and P. H. Davey and C. L. Gaugler. 1,636,291; July 19.
Aircraft, Bombing gun for. G. P. Andrus. 1,636,451; July 19.
Aircraft, Mooring mast and mooring gear for lighter-than-air. C. D. Burney. 1,636,354; July 19.
Air gas, Making. H. Foersterling. 1,635,988; July 19.
Air gauge. F. G. Johnson. 1,636,566; July 19.
Air lock. J. H. Murphy and E. A. Lotz. 1,636,572; July 19.
Alarm: *See*—
  Low-water alarm. Noise-making alarm.
Alkali-metal sulphydrates, Producing. E. E. Naef. 1,636,106; July 19.
Alkali-metal anthates, Manufacture of. W. Hirschkind. 1,636,229; July 19.
Aluminum chloride, Distilling with. A. M. McAfee. 1,636,144; July 19.
Amusement device. G. P. Cugnin. 1,636,356; July 19.
Amusement device. I. Noda. 1,636,645; July 19.
Amusement device, Racing. F. J. Newsbaum and J. M. Lonn. 1,636,481; July 19.
Anchor. M. W. Hall. 1,636,092; July 19.
Anchor. C. B. Scott. 1,636,617; July 19.
Anthraquinone derivatives, Manufacture of. W. H. Perkin, A. W. Fyfe, and M. Mendoza. 1,636,485; July 19.
Anticlimb device. R. M. Cutts, jr. 1,636,357; July 19.
Anticreeper. H. G. Gillmor. 1,636,506; July 19.
Apparatus for application of powdered disinfectants. W. B. Smith. 1,636,331; July 19.
Applicator, Vaginal. F. H. Newton. 1,636,482; July 19.
Arc generator. R. Herzog. 1,636,094; July 19.
Arc welding machine. T. E. Murray and H. R. Woodrow. 1,636,104; July 19.
Articulators, Occlusal grinding device for. M. M. House. 1,636,304; July 19.
Ash gate. J. Van Brunt. 1,636,398; July 19.
Ash tray and match-box lock, Combined emergency. A. Moore. 1,636,147; July 19.
Attaching device. H. Plomp. 1,636,109; July 19.
Attaching means. M. G. Fox. 1,636,222; July 19.
Atomizer or article of similar nature, Perfume. A. L. Wagner. Des. 73,113–16; July 19.
Automobile doors, Ventilator fastener for. A. T. Meyer. 1,636,479; July 19.
Automobile instrument panel. A. F. Draper. Des. 73,073; July 19.
Automobile instrument panel. P. J. Kent. Des. 73,087; July 19.
Automobile theft detector. J. D. E. Hughes. 1,636,513; July 19.
Automobiles, All-weather top for. G. M. Bailey. 1,636,453; July 19.
Automobiles, Power take-off for. W. E. Wuelker. 1,636,087; July 19.
Automobiles, Signal apparatus for. E. W. Vose. 1,636,024; July 19.
Automobiles, trucks, trailers, and the like, Automatic controlling mechanism for. W. M. Moxley. 1,636,064; July 19.
Baby carriage, Collapsible. M. Hartenstein. 1,636,093; July 19.
Bacterium specific for rheumatic fever and utilizing the same in the prevention and treatment of rheumatic fever. J. C. Small. 1,636,445; July 19.
Bag: *See*—
  Golf bag. Traveling bag.
Bag frames, Hinge for. F. T. Stuart. 1,636,019; July 19.
Bags and the like, Loop or ring fastener for. W. Brauns and W. J. Walker. 1,636,121; July 19.
Bags, Making. A. M. Bates. 1,636,545; July 19.
Ball mill. W. M. Barker. 1,636,585; July 19.
Ball or tube mill. W. B. Koppen and C. Pfeiffer. 1,636,138; July 19.
Banjo and the like. C. H. Richter. 1,636,244; July 19.
Banjo construction. A. D. Grover. 1,636,091; July 19.
Bar: *See*—
  Tractor draw bar.
Barrel, Core. W. N. Thompson. 1,636,084; July 19.
Baseball center. S. Lannom, jr. 1,636,518; July 19.
Bath: *See*—
  Hot-air bath.
Baths, Apparatus for giving mud. J. N. Weber. 1,636,401; July 19.
Battery clamp. H. J. Hick. 1,636,562; July 19.
Battery construction, Dry-. E. E. Meisekothen. 1,636,478; July 19.
Bearing, Automatic adjusting and thrust. F. S. Bussell. 1,636,283; July 19.
Bearing mechanism. J. M. Howe. 1,636,565; July 19.
Bed, Folding portable. F. S. Inco. 1,636,097; July 19.
Bed-spring construction. B. K. Ford. 1,636,556; July 19.
Bed structure, Folding-. G. G. Powers. 1,636,532; July 19.
Bee escape. H. A. Holmes. 1,636,635; July 19.
Belt. J. T. Griffin. 1,636,602; July 19.
Belt, Safety. V. P. Chappel. 1,636,459; July 19.
Berry box. H. F. Keeler, jr. 1,636,306; July 19.
Bevel and square. F. P. Cash. 1,636,623; July 19.
Bill clasp. A. W. Standing. 1,636,254; July 19.
Binder, Load. F. A. Jenkins. 1,636,638; July 19.
Binder, Loose-leaf. C. S. Mullins. 1,636,428; July 19.
Binder, Loose-leaf. W. D. Winders. 1,636,268; July 19.
Bird cage. L. J. Leon. Des. 73,090; July 19.
Bird cage. W. F. Schleich. Re16,681; July 19.
Biscuit. G. F. Chambers. Des. 73,067; July 19.
Block: *See*—
  Pulley block. Toy-building block.
Blowing engine. A. T. Kasley. 1,636,001; July 19.
Board: *See*—
  Insulation board. Panel board.
  Ironing board.
Boat. L. R. Ruthenburg. 1,636,076; July 19.
Bobbin-braking mechanism. H. J. Tynan. 1,636,158; July 19.
Bobeche. H. H. Wolter. Des. 73,117; July 19.
Boiler. L. D. Summers. 1,636,391; July 19.
Boiler-cleaner construction. S. J. Herman. 1,635,997; July 19.
Boiler-tube cleaner. F. H. Cole. 1,636,355; July 19.
Boilers, Steam superheater of low-pressure sectional. W. Höntsch. 1,636,230; July 19.
Bootjack. W. G. Moland. 1,636,010; July 19.
Boron compounds, Mining insoluble. H. Blumenberg, jr. 1,636,455–6; July 19.
Bottle. J. R. Dolan and J. P. Shea. 1,636,174; July 19.
Bottle. S. C. Miller. Des. 73,096; July 19.
Bottle. A. E. Wright. Des. 73,118; July 19.
Bottle closure. W. G. Laidlaw. 1,636,422; July 19.
Bottles, Dispensing cap for. C. W. Cooke. 1,636,215; July 19.
Box: *See*—
  Berry box. Ring box.
  Mail box. Vanity box.
Box. M. Shaw. Des. 73,105; July 19.
Bracelet. P. W. Jones. 1,636,639; July 19.
Bracelets, Extension device for flexible. C. H. Patten. 1,636,646; July 19.
Bracket: *See*—
  Post bracket.
Braiding machine. A. C. Hopkins. 1,636,659–60; July 19.
Brake. L. E. La Brie. 1,636,004; July 19.
Brake mechanism and the like. J. A. Miller. 1,636,145; July 19.
Brake-operating means. G. F. Michael. 1,636,526; July 19.
Brake-operating mechanism. A. Y. Dodge. 1,636,554; July 19.
Brake shoe. L. E. La Brie. 1,636,003; July 19.
Brake supporting and operating mechanism. A. S. Fishel. 1,636,221; July 19.
Brick-scoring apparatus. G. W. Booth. 1,636,547; July 19.
Broom and door holder, Combination. R. J. Craven. 1,636,627; July 19.
Brush, Air. J. D. Murray. 1,636,315; July 19.
Brush and squeegee, Combined. S. G. Mayers. 1,636,425; July 19.
Bucket conveyers, Selective dumping device for. W. R. Eddington. 1,636,220; July 19.
Buckle, Belt. L. Mauro. 1,636,379; July 19.
Building form. W. E. Urschel. 1,636,396; July 19.
Bumper, Vehicle. H. J. Schuette. 1,636,248; July 19.
Bung-plug lock. B. F. Lewis. 1,636,641; July 19.
Burner: *See*—
  Fuel burner. Liquid-fuel burner.
Burner. S. Bullum. 1,636,353; July 19.
Burner cone. C. Scheuermann. 1,636,616; July 19.

Burner for heating purposes, Gas. L. Morabito. 1,636,643; July 19.
Bus, Low center of gravity, completely-inclosed double-deck. W. D. Fairbanks. 1,636,505; July 19.
Button-applying implement. B. D. Gilliam. 1,636,052; July 19.
Cabinet, Refrigerating. M. Shore. Des. 73,106; July 19.
Cabinet, Towel. F. M. Steiner and G. Olson. 1,636,155; July 19.
Cable, Armored. A. O. Hoeftmann. 1,636,606; July 19.
Calcine from roaster furnaces and charging same into reverbatory furnaces, Apparatus for transporting. A. G. McGregor. Re16,685; July 19.
Calf weaner. E. R. Davis. 1,636,047; July 19.
Candlestick or analogous article. P. Cricchio. Des. 73,068; July 19.
Candy box or the like. C. A. Peirce. 1,636,387; July 19.
Cans, Process of and apparatus for making sanitary metal. A. Moore. 1,636,103; July 19.
Cap-forming machine, Ridge-. J. and H. Fullenwider, E. W. Robinson, and H. S. Norris. 1,636,298; July 19.
Car, air, and electric coupling system. E. A. Larsson. 1,636,139; July 19.
Car and air coupling mechanism. C. H. Tomlinson. 1,636,157; July 19.
Car, Articulated. C. E. Brooks. 1,636,622; July 19.
Car couplers, Device for operating. C. D. Bonsall. 1,636,164–5; July 19.
Car couplers, Positioning device for railway. G. G. Gilpin. 1,636,180; July 19.
Car couplers, Uncoupling device for. A. E. Small. 1,636,154; July 19.
Car coupling. J. H. Taylor. 1,636,202; July 19.
Car-door-locking means. A. Campbell and A. E. Zimmer. 1,635,983; July 19.
Car journal. C. R. McCune. 1,636,100; July 19.
Car, Ore. W. M. Sheehan. 1,636,534; July 19.
Car pistons, Lubricating means for motor-. C. W. Van Ranat. 1,636,021; July 19.
Car replacer. V. Ambrogini. 1,636,034; July 19.
Cars, Brake mechanism for railway. P. B. Camp. 1,636,284; July 19.
Cars, End wall for railway. C. D. Bonsall. 1,636,166; July 19.
Carburetor. J. B. Kessel. 1,636,187; July 19.
Carburetor. J. M. King. 1,636,308; July 19.
Carburetors, Mixture control for airplane. F. C. Mock, C. J. Gustafson, and M. E. Chandler. 1,636,480; July 19.
Carpet and rug beating apparatus. H. L. Schneider. 1,636,150; July 19.
Carriage body. O. W. Siebert. 1,636,252; July 19.
Carton, Advertising and display. A. S. Napier. 1,636,066; July 19.
Carton conveyers, Compensator for. G. A. Robinson. 1,636,014; July 19.
Carton, Foldable cellular. C. H. Goodyear. 1,636,508; July 19.
Carton, Packing or shipping. F. D. Pitt. 1,636,071; July 19.
Carton, Sanitary sealed. F. A. Soles. 1,636,390; July 19.
Case: *See*—
  Packing case.
Casket, Burial. C. Massey. 1,636,237; July 19.
Casserole. S. Brunt. Des. 73,061; July 19.
Casserole frame. H. Lerner and A. Ginsburg. Des. 73,091; July 19.
Caster. M. E. Roe. 1,636,326; July 19.
Caster mechanism. M. E. Roe. 1,636,325; July 19.
Casting or coating system, Centrifugal. A. W. Gray. 1,636,228; July 19.
Centerpiece, Table. E. Magnussen. Des. 73,093; July 19.
Ceramic products, Firing. W. L. Hanley, jr. 1,636,417; July 19.
Cereal substances, Treatment of. D. W. Kent-Jones and C. W. Chitty. 1,636,569; July 19.
Chuck. W. E. Knott. 1,636,421; July 19.
Chuck, Magnetic. J. E. Sears, jr., and A. J. C. Brookes. 1,636,533; July 19.
Churn. D. Borland. 1,636,039; July 19.
Cigarette-making machine. I. A. Semenov. 1,636,489; July 19.
Circuit breaker, Overload. C. R. Beall and R. B. Gilson. 1,636,037; July 19.
Circuit-closing device. S. D. Robins. 1,636,245; July 19.
Circuits, Method and apparatus for determining the synchronism of alternating-current. G. H Middlemiss. 1,636,527; July 19.
Clamp: *See*—
  Battery clamp. Column-form clamp.
Clasp: *See*—
  Bill clasp.
Clean-out openings, Closure for. C. E. Chapman. 1,636,125; July 19.
Cleaner: *See*—
  Boiler-tube cleaner.
Cleaning device. W. J. Kent. 1,636,002; July 19.
Closing-in machine. W. Fiegel and W. S. Enderich. 1,635,987; July 19.
Closure. T. T. Read. 1,636,487; July 19.
Clothes support. C. F. Parks. 1,636,431; July 19.
Cock, Safety try. R. D. Valentine. 1,636,397; July 19.
Coffee, Improving the qualities of. O. Gewalt. 1,636,300; July 19.
Coffee urn. R. S. Gehlert. 1,636,179; July 19.
Column clamp with castings. H. O. McMillan. 1,636,143; July 19.
Column-form clamp. E. E. Davis. 1,636,462; July 19.
Compressor, Compensating-air. M. Riesner. 1,636,440; July 19.
Compressor, Variable-capacity. M. Riesner. 1,636,439; July 19.
Concrete-block machine. J. H. Miller. 1,636,102; July 19.
Condenser. L. B. Sauer. 1,636,328; July 19.
Condenser, Air-cooled. F. Ljungström and I. Broberg. 1,636,521; July 19.
Condenser, Electrostatic. J. O. Gargan. 1,635,990; July 19.
Condenser, Variable. H. G. Dorsey. 1,636,503; July 19.
Container. F. P. Cheney. 1,636,458; July 19.
Conveyer. R. A. Hatfield. 1,636,303; July 19.
Conveyer mechanism and particularly conveyer pulley supports. G. D. Francisco. 1,636,051; July 19.
Conveyers, Automatic transfer mechanism for. S. Olson. 1,636,429; July 19.
Cooking apparatus. A. Theophiledes. 1,636,393; July 19.
Corrective device. R. R. McLellen. 1,636,101; July 19.
Corset. I. R. Versoy. 1,636,023; July 19.
Corset. I. R. Versoy. 1,636,399; July 19.
Cotton-picking machine. W. T. Hoofnagle. 1,636,132; July 19.
Counterbalance. R. C. Baker. 1,636,274; July 19.
Coupler-positioning device. V. E. Sisson. 1,636,153; July 19.
Coupler, Trailer. T. Dempsey. 1,636,295; July 19.
Coupling: *See*—
  Car coupling. Rotary coupling.
  Hose coupling. Shaft coupling.
Crank shafts, Device for damping the oscillations of multiple. H. Föttinger. 1,636,050; July 19.
Crate. J. S. Horton. 1,636,607; July 19.
Crystal detector. E. A. Wright. 1,636,269; July 19.
Cultivators, Attachment for shovel. P. E. Dion. 1,636,219; July 19.
Cup: *See*—
  Shaving cup.
Curtain, shade, and drapery support, Combined. A. Givens. 1,636,601; July 19.
Cushion: *See*—
  Pressure cushion.
Cushion for chair rockers. V. Teel. 1,636,260; July 19.
Cushion rebound check. L. H. Oberreich. 1,636,386; July 19.
Cuticle stick. A. Provost. 1,636,148; July 19.
Cutter: *See*—
  Ice-cream cutter.
Cutter head. E. E. Beaty. 1,636,403; July 19.
Cycle. M. E. Roe. 1,636,327; July 19.
Cylinder and plunger arrangement for high-pressure compressors. M. Riesner. 1,636,438; July 19.
Dead-center device. J. H. Towers. 1,636,395; July 19.
Decorating celluloid article and decorated celluloid article. H. Manovill. 1,636,523; July 19.
Deflector, Smoke. W. C. Crist. 1,636,217; July 19.
Dental grinding device and process. J. W. Needles. 1,636,321; July 19.
Derrick-top assembly. C. W. Lynch. 1,636,522; July 19.
Detector: *See*—
  Automobile-theft detector. Crystal detector.
Diamonds, Hand device for cutting and polishing. A. Anzelewitz. 1,636,671; July 19.
Diaphragm buffer mechanism. N. C. Thalheimer. 1,636,156; July 19.
Digger: *See*—
  Grass digger.
Dispensing receptacle. A. Mosheim. 1,636,063; July 19.
Display device, Animated. R. D. Greenawalt. 1,636,415; July 19.
Display sign. J. Parkinson. 1,636,108; July 19.
Distance by echo, Method and apparatus for determining. R. A. Fessenden. 1,636,502; July 19.
Distributor heads, Cleaning device for. J. Stewart. 1,636,083; July 19.
Ditch maintainer. G. E. Kernes. 1,636,136; July 19.
Doll. K. Knudsen. Des. 73,088; July 19.
Doorcheck. M. Brown. 1,636,549; July 19.
Door-holding attachment. H. L. Ferris. 1,636,468; July 19.
Door-operating device. J. A. Luther. 1,636,674; July 19.
Drawing dies or stones, Machine for drilling. S. Loewenherz. 1,636,475; July 19.
Dredging. N. A. Yuille. 1,636,205; July 19.
Dress. T. Davis. Des. 73,071; July 19.
Drill: *See*—
  Earth-boring drill. Rock drill.
Drilling apparatus, Deep-well-. C. E. Reed. 1,636,667; July 19.
Drilling apparatus, Rotary deep-well-. C. E. Reed. 1,636,664; July 19.
Drilling cutter and bearing therefor, Well-. C. E. Reed. 1,636,663; July 19.
Drilling rig, Well-. G. P. Gephart. 1,636,631; July 19.
Drying machine. A. R. and F. M. Stevens. 1,636,082; July 19.

Drying machine, Centrifugal. J. S. Gage. 1,636,177; July 19.
Earth-boring drill. C. E. Reed. 1,636,665–6; July 19.
Edging machine. L. H. Fisher. 1,636,469; July 19.
Educational apparatus. P. E. Klopsteg. 1,636,234; July 19.
Eggs, Treating. M. Kasser. 1,636,420; July 19.
Electric bulb, Plural-filament. E. R. Cloward. 1,636,460; July 19.
Electric conductors, Reel for. A..E. F. Moone. 1,636,193; July 19.
Electric control device, Pressure-actuated. I. E. McCabe. 1,636,191; July 19.
Electric-cord reel. F. Buddendorf. 1,636,587; July 19.
Electric-cord-supporting device. J. F. Hubener. 1,636,366; July 19.
Electric furnace. H. O. Breaker. 1,636,041; July 19.
Electric heater. A. Johnson. 1,636,369; July 19.
Electric switch, Push-button. F. Decraene. 1,636,501; July 19.
Electric waves, Control of. F. Mohr. 1,636,146; July 19.
Electrical apparatus for treating nerves, muscles, and blood. J. W. Kennedy. 1,636,568; July 19.
Electrical connecter. W. P. Gisske. 1,636,413; July 19.
Electrical discharge device. W. H. T. Holden. 1,636,054; July 19.
Electrical fixture-supporting device. R. B. Benjamin. 1,636,278; July 19.
Electron-discharge device. A. Haddock. 1,635,902; July 19.
Electron-discharge device. W. G. Houskeeper. 1,635,989; July 19.
Electron-discharge device. V. L. Ronci. 1,636,015; July 19.
Engine: *See*—
Blowing engine.
Internal-combustion engine. Internal-explosion engine.
Engine or pump, Rotary. B. R. Planche. 1,636,486; July 19.
Engines, Compressor for gas. W. H. Bunker. 1,636,124; July 19.
Engines, Head for explosion. G. C. Cappa. 1,636,214; July 19.
Engines, Valve gear for explosion. G. C. Cappa. 1,636,213; July 19.
Engines, Vaporizer for explosive. J. C. Fulkerson. 1,636,470; July 19.
Entries from cards or sheets or the like on a collective sheet, Apparatus for mechanically copying. M. F. Brandt. 1,636,405; July 19.
Envelope blank and making same. O. Widmaier. 1,636,495; July 19.
Extraction method and apparatus. H. Buel. 1,636,550; July 19.
Eyeglass frame. J. Gaspari. Des. 73,077; July 19.
Eyeglass frame. G. E. Nerney. Des. 73,097; July 19.
Fabric. F. L. Kunkel. 1,636,640; July 19.
Fan. C. L. Christensen. 1,636,286; July 19.
Fan, Automobile. K. C. Fairman and F. N. Wagner. 1,636,358; July 19.
Fan Installation. S. Bolosky and S. Pearl. 1,636,038; July 19.
Fastener, Key. W. A. Stubbs. 1,636,392; July 19.
Fastener, Window. E. M. Brown. 1,636,352; July 19.
Fats from textiles, Extracting. A. Bell and W. A. Meyer. 1,636,351; July 19.
Feed, Stock. L. K. Braren. 1,636,406; July 19.
Feeder, Adjustable. H. S. Speicher. 1,636,658; July 19.
Fencepost. C. E. Christensen. 1,636,126; July 19.
Ferrous sulphate in solution, Oxidizing. A. Elliott. 1,636,296; July 19.
Fibrous material and making the same. C. Hering. 1,636,511; July 19.
File, binder, and the like. G. E. Doughty and H. Forth. 1,636,408; July 19.
Film, Reenforced moving-picture. C. H. Meeker. 1,636,525; July 19.
Filter, Liquid. F. O. Catron. 1,636,285; July 19.
Finger ring. M. E. Soman. Des. 73,107; July 19.
Finishing machine. J. F. Standish. 1,636,333; July 19.
Fireplace damper. J. Setchfield. 1,636,250; July 19.
Fish net. S. Hosko. 1,636,096; July 19.
Fixture support. J. A. Hoegger. 1,636,364; July 19.
Flatiron. E. Gates. 1,636,359; July 19.
Floor, Elastic composition. F. E. Boelkow and W. O. Listing. 1,635,982; July 19.
Fluid-pressure regulator. E. Frölich. 1,635,989; July 19.
Fluoroscopic protector. E. Hollander. 1,636,419; July 19.
Folding horse. J. A. Whelan. 1,636,342; July 19.
Foot rest. F. W. Bacon. 1,636,206; July 19.
Frame stretcher. W. J. Kelley. 1,636,473; July 19.
Fruit, Method of and spray for expediting the ripening of. H. S. Avery. 1,636,452; July 19.
Fruit press. A. Wurdack. 1,636,204; July 19.
Fruits and vegetables, Sizing machine for. J. D. Grabill. 1,636,227; July 19.
Fuel burner. C. Fischer and A. Simonet. 1,636,597; July 19.
Fuel-feed control mechanism. L. A. Witter. 1,636,582; July 19.
Furane, Manufacture of. W. C. Wilson. 1,636,030; July 19.
Furnace: *See*—
Electric furnace.
Furnace apparatus. J. E. Bell. 1,636,119; July 19.
Furnace arch. L. Hamilton. 1,636,603; July 19.
Furnace for melting and refining glass and other like purposes. J. S. Shaw. 1,636,151; July 19.
Furnace for treating refractory ores containing precious metals. G. W. B. Evans. 1,636,467; July 19.
Furnaces, Auxiliary heater for. E. F. Diehm. 1,636,173; July 19.
Furnaces, Damper regulator for. B. J. Tryner. 1,636,537; July 19.
Furniture and protecting same, Upholstered. E. J. Edwards. 1,636,465; July 19.
Furs, Skeleton form for headpieces of. J. Peitser. 1,636,575; July 19.
Fuse-plug holder. W. W. Weida. 1,636,580; July 19.
Fuse plug, screw type, with indicator. J. B. Glowacki. 1,636,182; July 19.
Gambrel. C. H. Mickelson. 1,636,312; July 19.
Game board. W. Rowe. Des. 73,103; July 19.
Garage. E. Geiger. 1,636,600; July 19.
Garment and like article of manufacture. H. C. Moulton. Re16,686; July 19.
Garment, Apparel. W. Kops. 1,636,516; July 19.
Garment hanger, Locked safety. B. Weiss. 1,636,264; July 19.
Garter. C. B. Namiot. 1,636,107; July 19.
Gas cut-off. F. E. Erbe. 1,636,986; July 19.
Gas from condensers, Removing foreign. G. Hilger 1,636,512; July 19.
Gasket. J. S. Hettinger 1,636,363; July 19.
Gasoline-dispensing device. W. E. Splain and H. L. Stackhouse. 1,636,652; July 19.
Gate: *See*—
Ash gate.
Gate. L. Liepold. 1,636,571; July 19.
Gauge: *See*—
Air gauge. Pressure gauge.
Limit-pin gauge.
Gear and making same, Composite. L. T. Frederick. 1,636,411; July 19.
Gear, Friction draft. H. C. Priebe. 1,636,435; July 19.
Gears, Making segmental laminated. J. C. and R. D. Shaw. 1,636,670; July 19.
Gem and setting, Combination. I. Stern. Des. 73,109–10; July 19.
Generator: *See*—
Arc generator.
Glass articles, Machine for forming. R. La France 1,636,672; July 19.
Glass feeders, Regulating. G. E. Howard. 1,636,564; July 19.
Goggles. E. L. Schumacher. 1,636,443; July 19.
Golf bak. R. T. Mullins. 1,636,194; July 19.
Golf club. C. J. Jahant. 1,636,514; July 19.
Golf stance-steadying device. R. Wolfe. 1,636,086; July 19.
Golf tee. P. E. Young. 1,636,655; July 19.
Grain and hay stacker, Combined. J. Schrag, jr. 1,636,650; July 19.
Gramophone stand or similar article. H. W. S. Hor. Des. 73,081; July 19.
Grass digger, Quack-. W. Drefke. 1,636,048; July 19.
Grating. C. B. Cushwa. 1,636,592; July 19.
Grease guns, Cartridge for. J. F. Brommer. 1,636,407; July 19.
Grinder, Internal. O. D. Kinsey. 1,636,137; July 19.
Grinding, crushing, and mixing machine or mill. J. E. Gernelle-Danloy. 1,636,360; July 19.
Hafnium and zirconium, Dissolvisva mixture of hafnium and zirconium phosphates and for separating. A. E. Van Arkel and J. H. De Boer. 1,636,493; July 19.
Hair curler and weaver. H. Brinkschneider. 1,636,457; July 19.
Hair dye. M. A. M. Wheeler. 1,636,341; July 19.
Hammer, Drop. W. Merrill. 1,636,426; July 19.
Hand bags and other articles, Interchangeable initial or ornamental decoration for. N. Greenbaum and A. Rosenband. 1,636,130; July 19.
Handkerchief holder, Novelty. E. P. Goldsmith. 1,636,301; July 19.
Handle assembly. S. W. Nicholson. 1,636,011; July 19.
Handle-inserting machine. H. W. Lormor. 1,636,642; July 19.
Hanger: *See*—
Garment hanger.
Hatbox. O. J. Walinsky. 1,636,675; July 19.
Hay and the like, Device for handling. J. W. Callahan and G. B. Dusinberre. 1,636,498; July 19.
Heater: *See*—
Electric heater.
Heating device, Electrical. E. L. Wiegand. 1,636,029; July 19.
Heating unit. M. M. Kohn. 1,636,372; July 19.
Heel, Reversible. G. A. Volz. 1,636,494; July 19.
Hemming machine and forming bag tubing. A. Krasa. 1,636,517; July 19.
Hinge. H. H. Motschman. 1,636,529; July 19.
Hinge construction. W. Marshall. 1,636,007; July 19.
Hoisting reel, Air-cooled. B. Boykin, jr. 1,636,040; July 19.
Holster, Revolver. K. Corriston. 1,635,984; July 19.
Hood, Apron. I. Brown. 1,636,122; July 19.
Hook: *See*—
Logging hook. Skulling hook.
Hook. J. Bergsten. 1,636,209; July 19.

Hose coupling. H. E. Weber. 1,636,579; July 19.
Hot-air bath, Moist-. P. R. Wilde. 1,636,581; July 19.
Hot-top mold, Permanent. J. E. Perry. 1,636,013; July 19.
Hot-water heaters, Draft hood for. F. W. Shuell, E. E. Ledbetter, and T. J. Cobey. 1,636,016; July 19.
Huller: *See*—
Oat huller.
Husker, Corn. E. E. McNeely. 1,636,380; July 19.
Hydrant. P. P. Garbarino. 1,636,599; July 19.
Hydraulic unit. J. S. Reynolds. 1,636,488; July 19.
Hydrocarbons, Apparatus for the solidification of liquid. H. Nerem. 1,636,644; July 19.
Hygrometer, humidity regulator, and the like. A. J. Loepsinger. 1,636,374; July 19.
Ice-cream cutter. G. Marandino. 1,636,142; July 19.
Ice-cream machine. R. A. Wilson. 1,636,345; July 19.
Incubator-ventilating means. D. M. Holbrook. 1,636,634; July 19.
Ingot mold. E. Gathmann. 1,636,224; July 19.
Inhalation device. J. H. Williams. 1,636,344; July 19.
Ink ribbon, Renewing. S. A. Neidich. 1,636,573; July 19.
Insulation board, Electric. D. M. Sutherland, jr. 1,636,491; July 19.
Insulator caps, Making. H. L. Barnes. 1,636,586; July 19.
Insulators, Manufacturing electric. E. R. C. Boelcke. 1,636,282; July 19.
Internal-combustion engine. L. H. Noah. 1,636,612; July 19.
Internal-explosion engine. W. F. Crouch. 1,636,289; July 19.
Ironing board. J. E. Kalgren. 1,636,232; July 19.
Ironing board. J. E. Kalgren. 1,636,305; July 19.
Iron casting, Making malleable-. H. A. Schwartz. 1,636,657; July 19.
Ironing machine, Portable. M. Hedglon. 1,636,472; July 19.
Ironing roll. M. Hedglon. 1,636,471; July 19.
Jack: *See*—
Boot jack.
Joint: *See*—
Rail joint.
Jointers, Table for. L. B. Whipple. 1,636,538; July 19.
Kiln, Reversible-flow dry. R. A. Simmons. 1,636,490; July 19.
Knife, Paring. W. Clawson. 1,636,287; July 19.
Label-attaching device. A. S. Partridge. 1,636,432; July 19.
Labels, Holder for. B. Cox. 1,636,500; July 19.
Lamp. W. McCoy. Des. 73,094; July 19.
Lamp. T. A. Stiffel. Des. 73,111; July 19.
Lamp base. M. Rothbart. Des. 73,099–102; July 19.
Lamp for radios, Electric. C. Brammlng. 1,636,211; July 19.
Lamp or similar article, Vehicle. G. Graff. Des. 73,078; July 19.
Lantern panel. L. A. Crumley. Des. 73,069; July 19.
Last-removing device. G. P. S. Cross. 1,636,288; July 19.
Latch. E. J. Perry. 1,636,069; July 19.
Latch, Movable stairway. F. E. Bessler. 1,636,279; July 19.
Lathe. W. E. Whipp. 1,636,028; July 19.
Lens frames for spectacles. E. E. Emons. Des. 73,074–6; July 19.
Lid, Safety. F. Obiol. 1,636,531; July 19.
Lifter: *See*—
Valve lifter.
Light: *See*—
Ornamental light. Traffic light.
Light accelerator or switch. A. M. Kelso. 1,636,567; July 19.
Lightning-arrester connection. A. L. Atherton. 1,636,544; July 19.
Lighting fixture. R. M. Graves and E. R. D'Olive. 1,636,414; July 19.
Lighting fixture, Panel for a. G. E. Villaret. Des. 73,112; July 19.
Lighting fixtures, Banding for. W. W. Kantack. Des. 73,084–5; July 19.
Lighting-system switch. W. W. Woodroof. 1,636,347; July 19.
Limit pin gauge, Adjustable-. E. H. Aldeborgh. 1,636,543; July 19.
Liquid-dispensing device. J. E. Freeberg. 1,636,630; July 19.
Liquid-fuel burner. E. S. Drew. 1,636,464; July 19.
Liquid-fuel-heating apparatus. C. H. Chalmers. 1,636,160; July 19.
Liquid-storage tank. J. H. Wiggins. 1,636,539–40; July 19.
Liquids, Apparatus for atomizing. A. Nyrop. 1,636,317; July 19.
Lock: *See*—
Air lock. Bung-plug lock.
Lock. J. J. Megie and F. V. Pepper. 1,636,381; July 19.
Log-unloading machine. M. F. Crawford. 1,636,591; July 19.
Logging hook. E. Erickson. 1,636,090; July 19.
Loom. A. John. 1,636,515; July 19.
Loom. W. S. Wells. 1,636,343; July 19.
Loom with edge trimmer. E. C. Bunnell and L. H. Messinger, jr. 1,636,551; July 19.
Looms, Shuttle guard for. J. Macchiarella. 1,636,377; July 19.
Low-water alarm. N. M. Barker. 1,636,118; July 19.
Lubricating system. A. F. Masury and C. Froesch. 1,636,524; July 19.
Magneto. W. F. Smith. 1,636,017; July 19.
Mail box. S. C. Sherry. 1,636,329; July 19.
Marcel hair waver. H. Browne. 1,636,212; July 19.
Massaging apparatus. E. Unné. 1,636,159; July 19.
Mat, Lace. C. W. Birkin and E. T. Sands. Des. 73,059–60; July 19.
Measuring device. W. O. Bartlett. 1,636,036; July 19.
Meat, Machine for slicing. S. Nyhus. 1,636,530; July 19.
Metallic closure structure. R. R. Miles. 1,636,008; July 19.
Metallic corner. G. A. Gallowitz. 1,636,412; July 19.
Milk, Device for sanitary handling of. W. Lavallee. 1,636,474; July 19.
Mill: *See*—
Ball mill. Rolling mill.
Ball or tube mill.
Mixing device. G. Fickle. 1,636,127; July 19.
Mixing, grading, and sorting granular and pulverulent material, Method and apparatus for. E. Sprenger. 1,636,081; July 19.
Modulation control, Modifying device for. J. H. Hammond, jr. 1,635,993; July 19.
Mold: *See*—
Hot-top mold. Ingot mold.
Molder or sticker device. A. E. L. Von Boecklin and L. M. Larson. 1,636,400; July 19.
Molding machine. W. H. Nicholls. 1,636,383; July 19.
Motor: *See*—
Wind motor.
Motors, Oil indicator for gas. C. Forsberg. 1,636,049; July 19.
Movable seat. F. T. Schreiber. 1,636,078; July 19.
Musical instrument. G. W. Horton. 1,636,133; July 19.
Neckband shaper. R. Sacromone. 1,636,246; July 19.
Necktie holder. A. E. Johnson. 1,636,368; July 19.
Nitrocellulose solutions and product thereof, Reducing viscosity of. E. C. Pitman. 1,636,319; July 19.
Noise-making alarm. F. Davis. 1,635,985; July 19.
Nozzle and tip, Spray. J. D. Murray. 1,636,314; July 19.
Oat huller. F. Lage. 1,636,309; July 19.
Objects, Attaching. I. L. Rosenberg. 1,636,075; July 19.
Oiler, Hog. E. R. Clements. 1,636,624; July 19.
Ophthalmic mounting. F. A. Stevens. 1,636,334; July 19.
Ophthalmic mounting. F. A. Stevens. 1,636,337; July 19.
Ophthalmic mounting. F. A. Stevens and J. W. Welsh. 1,636,338; July 19.
Ophthalmic mounting. J. W. Welsh. 1,636,339; July 19.
Ophthalmic mounting and method. D. P. Bernheim. 1,636,336; July 19.
Ophthalmic mountings, Making. A. L. McKinstry. 1,636,335; July 19.
Optical aid to the visual perception of depth or rotundity. A. Ames, jr. 1,636,450; July 19.
Ornamental light. L. W. Mammen. 1,626,141; July 19.
Otoscope. H. L. De Zeng. 1,636,463; July 19
Oven control, Drying and enameling. A. Maehler. 1,636,140; July 19.
Oven for baking, roasting, drying, and like purposes, Heating. W. Dredge. 1,636,504; July 19.
Packing case, Collapsible. B. B. Freeman. 1,636,223; July 19.
Pad: *See*—
Stamp pad.
Pail cover, Sanitary milk-. C. M. Stemen. 1,636,199; July 19.
Panel board. R. B. Benjamin. 1,636,277; July 19.
Paper containers, Making. J. E. Annen. 1,636,584; July 19.
Paster cutting and applying machine. F. T. McGlynn. 1,636,611; July 19.
Pavement. H. D. Streator. 1,636,113–14; July 19.
Pens, Panel for animal. R. B. Louden. 1,636,189; July 19.
Petroleum, Method of and apparatus for treating. J. W. Lewis, jr. 1,636,520; July 19.
Phonograph and radio receiving apparatus, Combined. J. W. Bishop. 1,636,210; July 19.
Photographic and cinematographic pictures, System of taking. E. Schufftan. 1,636,112; July 19.
Piano-modulator-control device. J. H. Hammond, jr. 1,635,994; July 19.
Pile fabrics, Production of knotted. F. H. Oldroyd. 1,636,613; July 19.
Pin holder, Safety-. A. Hagel. 1,636,558; July 19.
Pipe-laying implement. A. E. Rasmussen. 1,636,243; July 19.
Pipes and hollow bodies with bituminous compositions, Coating concrete. R. Illemann. 1,636,367; July 19.
Piston assembly. W. Prellwitz. 1,636,614; July 19.
Piston having an adjustable head for facilitating the removal of the piston rings. J. P. Willis. 1,636,642; July 19.
Piston ring. J. A. Olson. 1,636,012; July 19.
Piston ring. F. H. Walter. 1,636,027; July 19.
Plants, Starting and transplanting. J. W. Conrad. 1,636,625; July 19.

Plastic-block-forming machine. C. K. Smith. 1,636,253; July 19.
Plate. E. L. Schnepf. Des. 73,104; July 19.
Plate or similar article. A. Bihr. Des. 73,058; July 19.
Plate or similar article. W. De Ville. Des. 73,072; July 19.
Plate or similar article. L. B. Kauffman. Des. 73,086; July 19.
Plate or similar article. P. N. Leyland. Des. 73,092; July 19.
Plow, Reversible stump-jump disk. G. F. Shave. 1,636,079; July 19.
Plug, Boiler. B. H. Hughes. 1,636,135; July 19.
Pole, Metal. A. W. Malone. Re16,684; July 19.
Polishing machine. R. G. Guthrie. 1,636,557; July 19.
Pool pockets, Machine for forming leathers for. G. A. and A. F. Jaeger. 1,636,000; July 19.
Post: *See*—
Turret tool post.
Post bracket, Adjustable. J. R. Goodwin. 1,636,185; July 19.
Power connecting device. P. H. Davey. 1,636,293; July 19.
Preserving apparatus. C. C. E. Kersten. 1,636,061; July 19.
Press: *See*—
Fruit press.
Press control, Power-. A. A. Byerlein. 1,636,497; July 19.
Press feeding. P. W. Larsson and O. E. Forsberg. 1,636,188; July 19.
Pressure-control device. G. E. Hazard. 1,636,561; July 19.
Pressure cushion. F. J. Rode. 1,636,110; July 19.
Pressure gauge. A. L. Ryan. 1,636,077; July 19.
Printing plate and mold therefor, Making late-news. H. A. W. Wood. 1,636,346; July 19.
Projection apparatus. W. L. Patterson. 1,636,647; July 19.
Propeller, Planetary, gear-controlled. A. Langenbach. 1,636,423; July 19.
Psychrometer, Portable. J. Armstrong. 1,636,350; July 19.
Pulley. C. W. Taylor. 1,636,492; July 19.
Pulley block. A. W. Baker. 1,636,273; July 19.
Pulverizer, Centrifugal impact. F. E. Agnew. 1,636,033; July 19.
Pump. T. C. Whitehead. 1,636,265; July 19.
Pump, compressor, and the like, Multi-cylinder plunger. J. Svarta. 1,636,258; July 19.
Pump, Fire. F. Neumann. 1,636,382; July 19.
Pump, Rotary. A. J. Sweeney. 1,636,259; July 19.
Pumping equipment. J. Penrod and R. D. Thompson. 1,636,433; July 19.
Puzzle. G. V. Cornell. 1,636,216; July 19.
Rack: *See*—
Sales rack.
Radiator cover. A. E. Blackman. 1,636,080; July 19.
Radiator cover, Knockdown. P. E. Schleicher. 1,636,247, July 19.
Radio receiving apparatus. F. A. Kolster. 1,636,570; July 19.
Rail joint. R. T. Scholes. 1,636,442; July 19.
Railway, Aerial. F. P. Archer. 1,636,619; July 19.
Railway frog. L. M. Leedom. 1,636,373; July 19.
Railway guard rails, Plate and brace for. H. Goodwin. 1,636,302; July 19.
Railway point, signal, and the like. J. H. Nicholson and W. S. Roberts. 1,636,068; July 19.
Railway-traffic-controlling apparatus. L. L. Nettleton. 1,636,067; July 19.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,636,026; July 19.
Receptacle. F. Goertz and W. E. Wacker. 1,636,184; July 19.
Receptacle, Collapsible. C. A. Hickson. 1,636,186; July 19.
Receptacle-depositing mechanism. C. N. Bergmann. 1,636,208; July 19.
Receptacles and support therefor, Cover for. A. S. Smiley. 1,636,446; July 19.
Reel: *See*—
Electric-cord reel. Hoisting reel.
Refrigerating apparatus of the absorption type. B. C. von Platen and C. G. Munters. 1,636,115; July 19.
Refrigerating machine. A. Delas. 1,636,294; July 19.
Regulator: *See*—
Fluid-pressure regulator.
Relay, Electromagnetic. A. A. Klann. 1,636,609; July 19.
Retort, Rotary. B. Young. 1,636,270; July 19.
Return trap. E. L. Cortis-Stanford. 1,636,626; July 19.
Rifles, Receiver sight for. U. L. Hatcher. 1,636,509; July 19.
Rim, Demountable. W. E. Copithorn. 1,636,045; July 19.
Rims, Locking device for demountable. W. C. Niewald. 1,636,385; July 19.
Ring: *See*—
Piston ring.
Ring. C. L. Stange. Des. 73,108; July 19.
Ring box. J. M. Shields. 1,636,251; July 19.
Rock drill. C. C. Hansen. 1,636,605; July 19.
Rock drills, Valve for. C. C. Hansen. 1,636,632; July 19.
Rolling mill. L. Jones. 1,636,057; July 19.
Roofing, Protected metal. T. Robinson. 1,636,388; July 19.
Roofing-supporting strip. H. G. Hose and W. E. Ramsdell. 1,636,095; July 19.
Ropes, cables, and the like, Apparatus for making wire, hemp, or other. E. Edwards, C. Jones, and R. Hanson. 1,636,466; July 19.
Rotary coupling, Flexible. F. R. Simms. 1,636,389; July 19.
Rubber, Vulcanizing. R. M. Warner. Re16,682; July 19.
Sadiron, Self-heating. C. E. Adamson. 1,636,162; July 19.
Sales Book, Manifolding. E. K. Bottle. 1,636,548; July 19.
Sales rack. F. C. Kenyon, jr., and F. R. Goodell. 1,636,608; July 19.
Sand-cutting machine. O. A. Butterfield. 1,636,168; July 19.
Sand mulling and aerating machine. W. H. Nicholls. 1,636,384; July 19.
Saturants, Preparation of. J. Zavertnik, jr. 1,636,271; July 19.
Sausage-stuffing machine. T. Lutostanski. 1,636,424; July 19.
Saw, Band. A. Obermoser. 1,636,484; July 19.
Scaffold and stepladder, Combination. H. Wittek. 1,636,085; July 19.
Scale casing. N. A. Hallwood. Des. 73,079–80; July 19.
Scale, Weighing. C. H. Hapgood. 1,635,996; July 19.
Scales, Indicator actuating and controlling device for. C. G. and G. L. Strubler. 1,636,257; July 19.
Scalpel. A. Maclure. 1,636,062; July 19.
Scrubbing machine. A. I. Riedel. 1,636,437; July 19.
Sculling hook. P. D. Wright. 1,636,654; July 19.
Sculptures, Method of and apparatus for making. M. Schiesari. 1,636,149; July 19.
Seat: *See*—
Movable seat.
Service stand, Combination. L. Aunes. 1,636,035; July 19.
Shaft coupling. J. A. and P. H. Davey and C. L. Gaugler. 1,636,290; July 19.
Shaping or planing machine for worm or screw shaped bevel wheel operating according to the development method. H. Brandenberger. 1,636,120; July 19.
Sharpener, Pencil. C. R. Clare. 1,636,552; July 19.
Shaving cup, Collapsible. C. E. Rand. 1,636,323; July 19.
Shear and scrap cutter, Combined rotary bevel. L. Williams. 1,636,267; July 19.
Sheet-control mechanism. J. R. Blaine. 1,636,404; July 19.
Sheet metal, Drawing press for heating and drawing. F. J. Rode. 1,636,111; July 19.
Shields, Fastening device for. E. C. Goebert. 1,636,128; July 19.
Shingle, Roofing. R. B. Adams. 1,636,349; July 19.
Shock absorber. E. L. Leinbach. 1,636,005; July 19.
Shoe, Swimming. G. Noeske. 1,636,316; July 19.
Shoes, Apparatus for drying. J. W. Quinn. 1,636,195; July 19.
Shoes, Outsole for. E. R. Connelly. 1,636,044; July 19.
Shooting strips, Attaching. W. Leriche. 1,636,098; July 19.
Shuffleboard construction. M. J. Sherry. 1,636,535; July 19.
Shutter or door. H. M. Vetterlein. 1,636,200; July 19.
Signal: *See*—
Traffic signal.
Signal lamp and supporting bracket for automobiles and other vehicles, Combined. C. Rittenhouse, jr. Des. 73,098; July 19.
Signals, Controlling apparatus for highway crossing. H. S. Young. 1,636,348; July 19.
Signaling system, Carrier-wave. J. W. Horton. 1,636,134; July 19.
Silencer. H. P. Maxim. 1,636,238; July 19.
Sinking shaft and bore holes, W. G. Minuth. 1,636,313; July 19.
Siphon device. W. F. Brown. 1,636,123; July 19.
Skylight. I. C. Steinberg. 1,636,018; July 19.
Sleeve-finishing board, Dry-steam. I. W. Cox. 1,636,590; July 19.
Slotting and scoring machine. L. H. Schroeder. 1,636,198; July 19.
Smoking-pipe holder. B. F. Mallory. 1,636,378; July 19.
Soap, System for conveying and inspecting. H. C. Knowles. 1,636,235; July 19.
Soldering unit. J. W. Fay. 1,636,175; July 19.
Sorting machine. L. A. Medcalf. 1,636,477; July 19.
Sound-direction finder. W. Rudolph and A. du Bois-Reymond. 1,636,576; July 19.
Sound transmission, Directive. H. C. Hayes and M. Mason. 1,636,510; July 19.
Spade, Motor. W. Hejma. 1,636,418; July 19.
Spark plug. O. C. Rhode. 1,636,107; July 19.
Spectacle temple. J. W. Welsh. 1,636,340; July 19.
Speed indicators or the like, Mechanism for controlling. C. H. H. Rodanet. 1,636,074; July 19.
Spindles of deep-well rotary cutters, Retaining means for. F. K. Blauvelt. 1,636,669; July 19.
Spinning and twisting rings, Tool for removing travelers from. A. E. Whipple. 1,636,448; July 19.
Spraying device. A. B. Pickell. 1,636,070; July 19.

Spreading or sowing machine for root planting. H. C. Toomey. 1,636,536; July 19.
Sprinkler system. M. F. Silva. 1,636,444; July 19.
Stairway, Movable. F. E. Bessler. 1,636,280–1; July 19.
Stamp pad. S. B. McCulloch. 1,636,311; July 19.
Stanchion. A. Quade and A. H. Klumb. 1,636072; July 19.
Stand: *See*—
Service stand.
Steel, Channeler. C. C. Hansen. 1,636,604; July 19.
Steel of high-temperature stability. W. R. Shimer. - Re16,683; July 19.
Steel-wool buffer. W. H. Robbins. 1,636,196; July 19.
Steering columns, Bushing for F. C. Morris. 1,636,528; July 19.
Steering-gear stabilizer. J. F. Cavanagh. 1,636,588; July 19.
Stencil and making the same. A. M. Bates and J. E. Dancker. 1,636,546; July 19.
Stepping mechanism. M. P. Chaplin. 1,636,170; July 19.
Stewpan or similar article. S. Dachman. Des. 73,070; July 19.
Stoker. E. Lundgren. 1,636,376; July 19.
Stoker, Automatic. E. Lundgren. 1,636,375; July 19.
Stop mechanism. J. H. Reed. 1,636,324; July 19.
Storage battery grids, Apparatus for and method of forming. J. Prachar. 1,636,242; July 19.
Strainer. E. E. Partridge. 1,636,240; July 19.
Structural unit. D. H. Bitney. 1,636,163; July 19.
Submarine detection float. T. L. Standish. 1,636,447; July 19.
Sugar bowl. S. Brunt. Des. 73,062; July 19.
Sulphur phenol resin, Making. C. Ellis. 1,636,596; July 19.
Surgical instrument. W. S. Humble. 1,636,636; July 19.
Surgical instrument. O. H. Oesterwitz. Des. 16,687; July 19.
Surgical needle and making it. E. A. Quint. 1,636,615; July 19.
Switch: *See*—
Electric switch. Lighting-system switch.
Synchronising mechanism. A. D. Trenor. 1,636,020; July 19.
Table cover or similar article. H. S. Hull. Des. 73,082–3; July 19.
Tablets and the like, Support for writing. R. H. Bell and F. R. Searles. 1,636,275; July 19.
Tank: *See*—
Liquid-storage tank.
Tanks, Cover for. O. T. Bekkerus. 1,636,454; July 19.
Telegraph repeater circuits, Carrier-. B. P. Hamilton. 1,636,053; July 19.
Telephone circuit, Substation. A. B. Smith. 1,636,330; July 19.
Telephone diaphragm. L. T. Frederick. 1,636,410; July 19.
Telephone exchange system. E. H. Clark. 1,636,171; July 19.
Telephone receiver with detachable sound amplifier. E. A. Graham. 1,636,362; July 19.
Telephone system, Automatic. J. Wicks. 1,636,160; July 19.
Telephone system, Multioffice automatic. A. J. Ray. 1,636,648; July 19.
Telephone transmitter mounting. G. R. Lum. 1,636,006; July 19.
Tensor system. A. G. Hartung. 1,636,633; July 19.
Tent. G. I. Dickey. 1,636,594; July 19.
Tent. A. J. Goodman. 1,636,507; July 19.
Test bath, sample warmer and hot water reservoir. C. W. Warnock. 1,636,116; July 19.
Textile fabric. G. Caluori. Des. 73,063–66; July 19.
Textile fabric or similar article of manufacture. J. Lader. Des. 73,089; July 19.
Thrashing machine. F. G. Terry. 1,636,578; July 19.
Tire-building form, Collapsible. F. L. Johnson. 1,636,055–6; July 19.
Tires, Apparatus for and process of making. H. F. Dumbleton. 1,636,595; July 19.
Toilets, Ventilating device for. F. E. Lumley. 1,636,476; July 19.
Tone controls, Successively-operated. J. H. Hammond, jr. 1,635,995; July 19.
Tool. E. and F. K. Hoge. 1,635,998; July 19.
Tool, Combination. T. S. Hutchison. 1,636,637; July 19.
Tool, Earth-boring. C. E. Reed. 1,636,668; July 19.
Tool, Hand. W. A. Bernard. 1,636,088; July 19.
Tool, Guide. J. P. Snapp. 1,636,332; July 19.
Tool, Milling. E. W. Abbott. 1,636,032; July 19.
Tool, Portable grinding. E. A. Hall. 1,636,560; July 19.
Tool, Rotary cutting. C. G. Schuller. 1,636,577; July 19.
Tool, Sheet-metal-layout. G. F. Waelde. 1,636,025; July 19.
Tool, Valve-spring removing and replacing. C. E. Daniels. 1,636,046; July 19.
Tools, Valve for pneumatic. W. A. Smith, jr. 1,636,651; July 19.
Toothpick holder. W. F. Gage. 1,636,598; July 19.
Torpedo. C. Kesses. 1,636,307; July 19.
Torque-cushioning means. H. P. Troendly. 1,636,262; July 19.
Torque transmission mechanism. R. S. Miller. 1,636,009; July 19.
Toy. C. A. Kenney. 1,636,371; July 19
Toy building block. F. W. Shaw. 1,636,080; July 19.
Toy electric trains, Track for. L. G. Handy. 1,636,416; July 19.
Toy, Figure. F. E. Buckberg. 1,636,042; July 19.
Toy, Mechanical golf playing. T. R. Arden. 1,636,117; July 19.
Toys, Making jointed. S. Colledanchise. 1,636,589; July 19.
Tractor drawbar. B. R. Benjamin and C. R. Raney. 1,636,276; July 19.
Tractors, Attachment for. R. E. Curtis. 1,636,628; July 19.
Tractors, Brake attachment for. I. H. Judd. 1,636,231; July 19.
Traffic signal. W. J. B. Aldridge. 1,636,272; July 19.
Trap: *See*—
Return trap.
Traveling bag. H. L. Kennedy. 1,636,060; July 19.
Tread grip. C. L. Hoff. Re16,680; July 19.
Traffic light. E. M. Van Buren. 1,636,653; July 19.
Trousers, Football. G. W. Cruden. 1,636,553; July 19.
Truck. J. W. Coates. 1,636,172; July 19.
Truck attachment, Hand. H. M. Perry. 1,636,574; July 19.
Truck, Hand. J. Chvojka. 1,636,043; July 19.
Truck, Kiln. H. M. Robertson. 1,636,078; July 19.
Truck, Power-elevated dumping. P. A. Brick. 1,636,621; July 19.
Trucks and the like, Bearing for locomotive. J. W. Chapman and J. J. Melley. 1,636,499; July 19.
Tube: *See*—
Vacuum tube. Vacuum or thermionic tube.
Tubular-spoked wheel. W. E. Williams. 1,636,541; July 19.
Turret tool post. M. Bozsin. 1,636,107; July 19.
Type-casting machines, Pot mouthpiece wiper for. G. Pankuch. 1,636,430; July 19.
Typewriting machine. G. G. Going. 1,636,129; July 19.
Vacuum-controlled fuel-supply system. M. C. Bright. 1,636,496; July 19.
Vacuum or thermionic tube. A. G. Thomas. 1,636,261; July 19.
Vacuum tube. H. E. Metcalf. 1,636,239; July 19.
Vacuum wall receptacle. W. C. O'Leary. 1,636,322; July 19.
Valve. W. B. Griffith. 1,636,131; July 19.
Valve. C. W. Larner. 1,636,662; July 19.
Valve. P. D. Wright. 1,636,618; July 19.
Valve and shipping plug, High-pressure gas. P. Mueller and C. A. Hill. 1,636,065; July 19.
Valve apparatus, Pressure-operated. R. Welcker. 1,636,402; July 19.
Valve, Double-plunger. C. W. Larner. 1,636,661; July 19.
Valve, Dry-pipe. E. Tyden. 1,636,263; July 19.
Valve, Gate. A. M. Morrison. 1,636,427; July 19.
Valve lifter. H. I. Jordan. 1,636,058; July 19.
Valve, Radiator. W. A. Colburn. 1,636,461; July 19.
Valve, Sprinkler-system control. F. H. Johnson. 1,636,370; July 19.
Valve, Stop. R. Fischbach. 1,636,297; July 19.
Vanity box. F. Goertz. 1,636,183; July 19.
Variable inductive device. J. O. Gargan. 1,636,178; July 19.
Vegetable slicer. N. K. Ahl. 1,636,583; July 19.
Vehicle, Automobile. F. W. Lanchester. 1,636,673; July 19.
Vehicle bodies, Hoisting device for. W. B. Engler. 1,636,555; July 19.
Vehicle construction, Cushion connection for. F. L. Lipcot. 1,636,099; July 19.
Vehicle leveling device. H. N. Berry. 1,636,620; July 19.
Vehicles, Apparatus for washing. F. D. Mahoney. 1,636,190; July 19.
Vehicles, Disappearing window for. A. A. Towers. 1,636,394; July 19.
Vehicles, Power-appliance attachment for automotive. J. A. and P. H. Davey and C. L. Gaugler. 1,636,292; July 19.
Veneers, Treating. A. A. Dennis. 1,636,218; July 19.
Vernier dial. H. J. Kasch. 1,636,233; July 19.
Vessels, Device for launching boats on board of. N. van W. Jurriaanse. 1,636,059; July 19.
Vise. T. Classey. 1,636,181; July 19.
Voice-operated relay equipment. S. B. Wright. 1,636,031; July 19.
Wall form, Poured-. G. Strom. 1,636,256; July 19.
Walls and other surfaces, Facing or preservation of. J. W. Dougal. 1,636,629; July 19.
Wardrobe. C. H. Kraft. 1,636,236; July 19.
Washer drums, Fluid-tight closure member for. H. W. Mitchell. 1,636,192; July 19.
Washing device. H. van Zandt and B. Eyman. 1,636 022; July 19.
Washing-machine casing. A. J. Fisher. 1,636,176; July 19.
Watchcase and appendage, Combined. C. Messick. Des. 73,095; July 19.
Water-closet structure. E. Richardson. 1,636,649; July 19.
Water feeder, Boiler. C. B. Haines. 1,636,559; July 19.
Water heating and deaerating. G. H. Gibson. 1,636,361; July 19.
Wave analysis, System for. F. X. Rettenmeyer. 1,636,436; July 19.
Wave filter. T. E. Shea. 1,636,152; July 19.

Welding apparatus, Electric. R. Mack. 1,636,676; July 19.
Welding appliance, Electric. J. W. Wilkinson. 1,636,266; July 19.
Welding copper and aluminum. J. V. Capicotto. 1,636,656; July 19.
Well crib. W. V. McClure. 1,636,610; July 19.
Wheel: *See*—
Tubular spoked wheel.
Wheel. D. H. Ludlow. 1,636,310; July 19.
Wheel. H. P. Nielsen. 1,636,483; July 19.
Whip actuator. E. Scott. 1,636,249; July 19.
Wind motor. O. T. Adams. 1,636,449; July 19.
Wind motor. J. A. Pinaud. 1,636,434; July 19.
Window. J. Polachek, J. Jepsen, and E. Peremi. 1,636,241; July 19.
Window flashing. A. Hokanson. 1,636,365; July 19.
Window, Motor-operated. N. L. Larsen. 1,636,519; July 19.
Window regulators, Automatic gear lock for. H. A. Myers. 1,636,105; July 19.
Window sash. W. R. Wilkes and A. Kennedy. 1,636,203; July 19.
Window-screen holder. F. A. Stickle. 1,636,255; July 19.
Window, Sliding metal. J. E. Dennis. 1,636,593; July 19.
Windows, Apparatus for cleaning. L. Hachenberg. 1,635,901; July 19.
Wood-burning device. H. E. Woolery. 1,636,161; July 19.
Wrench. P. E. Owens. 1,636,318; July 19.
Wringer. V. Gehrlein. 1,636,225–6; July 19.
Writing instrument. A. B. W. Bartholomew. 1,636,207; July 19.
Yarn-control mechanism. W. P. Drumheller. 1,636,409; July 19.
Yeast foam malted milk and product thereof, Manufacturing. C. B. Hill and M. H. Givens. 1,636,563; July 19.

CLASSIFICATION OF PATENTS

ISSUED JULY 19, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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July 26, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams, Willard S. (See Bradley's, G. W., Sons.)
Agnost, Peter, Omaha, Nebr. Skin bleach and beautifier. 230,509; July 26; Serial No. 244,045; published May 10, 1927.
Albert Bros. Milling Co., Portland, Oreg., to Albert Bros. Milling Co., San Francisco, Calif. Rolled oats. 66,616; renewed Dec. 17, 1927.
Aliand, Maurice, Atlantic City, N. J. Smokers' pipes, cigar and cigarette holders. 230,480; July 26; Serial No. 245,881; published May 17, 1927.
Amazon Knitting Company, Muskegon, Mich. Piece goods. 230,489; July 26; Serial No. 245,336; published May 17, 1927.
American Importing Company, New York, N. Y. Ticking. 230,537; July 26; Serial No. 239,840; published May 17, 1927.
American Pulley Company, The, Philadelphia, Pa. Steel split pulleys. 230,550; July 26.
American Pulley Company, The, Philadelphia, Pa. Pressed-steel hangers. 230,561; July 26.
American Pulley Company, The, Philadelphia, Pa. Pressed-steel beam heads. 230,562; July 26.
American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Metals, lead, babbitt, etc. 230,547; July 26.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Nails. 230,478; July 26; Serial No. 245,952; published May 17, 1927.
Anderson, Wm., Co., Stockton, Calif. Waterproof paint in ready-mixed form. 230,490; July 26; Serial No. 245,314; published May 10, 1927.
B & K Company, Incorporated, New Milford, N. J. Ointment. 230,496; July 26; Serial No. 243,339; published May 10, 1927.
Badische Anilin and Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Dyestuff. 30,404; renewed Aug. 10, 1927.
Bailly, P., & Cie., Paris, France. Shoulder braces and suspenders. 63,356–7; renewed June 18, 1927.
Bailly, P., & Cie., Paris, France. Shoulder braces and suspenders. 63,771–7; renewed June 9, 1927.
Bailly, P., & Cie., Paris, France. Shoulder braces and suspenders. 65,800–1; renewed July 9, 1927.
Basle Chemical Works Bindschedler, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Perfumes, antipyretic and antineuralgic preparations, disinfectants, salicylic acid, and its derivatives. 30,297; renewed June 29, 1927.
Bay State Optical Co., Attleboro, Mass. Ophthalmic mountings. 230,568; July 26.
Bentz Engineering Corporation, Newark, N. J. Air conditioners, coolers, and dehumidifiers. 230,560; July 26.
Billington, Marie A., New York, N. Y. Gift articles comprising brass ware, pewter ware. 230,536; July 26, Serial No. 237,062; published May 17, 1927.
Bivar & Ca., Portimao, Portugal. Canned sardines. 230,470; July 26; Serial No. 246,385; published May 17, 1927.
Black Silk Stove Polish Works, Sterling, Ill., assignor to J. L. Prescott Company, New York, N. Y. Stove polish. 62,972–3; renewed June 4, 1927.
Blodgett & Orswell Co., Pawtucket, R. I. Spool cotton or sewing thread. 66,465; renewed Dec. 3, 1927.
Bonzi, E., Monticello, Calif. Fresh pears and grapes. 230,541; July 26; Serial No. 241,388; published May 17, 1927.
Bradley's, G. W., Sons, Weston, Conn., to Willard S. Adams, doing business as G. W. Bradley's Sons, Westport, Conn., successor. Edge tools. 66,584; renewed Dec. 17, 1927.
Briggs, Ray E., Los Angeles, Calif. Waxy preparation for cleaning and polishing floors, woodwork, and furniture. 230,566; July 26.
Bunte Brothers, Chicago, Ill. Candy. 230,469; July 26; Serial No. 246,386; published May 17, 1927.
Bunte Brothers, Chicago, Ill. Candy. 230,517; July 26; Serial No. 246,814; published May 17, 1927.
Burk, Louis, Inc., Philadelphia, Pa. Sausage. 230,488; July 26; Serial No. 245,420; published May 17, 1927.
Cadbury Brothers, Limited, Birmingham and Bournville, England. Cocoa, chocolate, cakes, etc. 230,468; July 26; Serial No. 246,387; published May 17, 1927.
California Conserving Company, San Francisco, Calif. Pickles, catchup, mustard, etc. 230,549; July 26.
Chein, Elizabeth H., Harrison, N. J. Sheet-metal toys. 230,534; July 26; Serial No. 232,993; published May 17, 1927.
Chemical Foundation, Incorporated, The. (See Badische Anilin and Soda Fabrik, assignor.)
Chemical Foundation, Incorporated, The. (See Söhne, Aug. Elhardt, assignor.)
Chevallier-Appert, Ray, Paris, France. Candy, biscuits, chocolate, cocoa, etc. 230,501; July 26; Serial No. 243,840; published May 17, 1927.
China & Japan Trading Company, Limited, assignor to China & Japan Trading Company, Ltd., New York, N. Y. Textiles. 63,488; renewed June 25, 1927.
Colson Stores Company, The, Elyria, Ohio. Casters. 230,572; July 26.
Conservenfabrik Lenzburg vorm., Henckell & Roth, Lenzburg, Switzerland. Conserved fruits and vegetables, marmalades, and jams. 230,528; July 26; Serial No. 226,098; published May 17, 1927.
Cortland Line Co. Inc., Cortland, N. Y. Fishing lines. 230,457; July 26; Serial No. 246,600; published May 10, 1927.
Craig, William D., doing business as W. D. Craig Company, Kansas City, Mo. Paint. 62,952; renewed June 4, 1927.
Crawford, Harry T., doing business as Doc's Auto Products Co., Lansing, Mich. Polish for automobiles, etc. 230,529; July 26; Serial No. 226,847; published May 10, 1927.
Curtiss Candy Company, The, Chicago, Ill. Dolls. 230,497; July 26; Serial No. 243,423; published May 17, 1927.
Custer, George E., Providence, R. I. Oil burners. 230,483; July 26; Serial No. 245,696; published May 17, 1927.
Delage & Cie., Paris, France. Automobiles. 230,570; July 26.
D'Este, Julian, Company, Boston, Mass. Pressure regulators, combustion controls, tank valves, etc. 230,461; July 26; Serial No. 246,482; published May 17, 1927.
Destel, Richard M., Los Angeles, Calif. Bread. 230,564; July 26.
Develon, Thomas, jr., Philadelphia, Pa. Textile rugs and floor coverings. 230,467; July 26; Serial No. 246,395; published May 17, 1927.
Doc's Auto Products Co. (See Crawford, Harry T.)
Draper-Maynard Company, The, Plymouth, N. H. Golf balls. 230,462; July 26; Serial No. 246,468; published May 10, 1927.
Du Pont, E. I., de Nemours and Company. (See Eastern Dynamite Company, The, assignor.)
Eagle, C. K., & Co., Inc., Shamokin, Pa., and New York, N. Y. Silk goods. 230,481; July 26; Serial No. 245,832; published May 17, 1927.
Eastern Dynamite Company, The, Kenvil, N. J., assignor, by mesne assignments, to E. I. Du Pont de Nemours and Company, Wilmington, Del. High explosives. 65,647; renewed Oct. 15, 1927.
Egbert Concrete Products, Inc. Brooklyn, N. Y. Tiles. 230,558; July 26.
Elcar Motor Company, Elkhart, Ind. Automobiles. 230,510; July 26; Serial No. 244,921; published May 17, 1927.
Eureka Brass Works Company, The, Cincinnati, Ohio. Radiator valves. 230,569; July 26.
Fannie May Candy Co. Inc., Washington, D. C. Candy. 230,523; July 26; Serial No. 247,008; published May 17, 1927.
Faultless Rubber Company, The, Akron, Ohio, to The Faultless Rubber Company, Ashland, Ohio. Rubber articles. 66,468; renewed Dec. 3, 1927.
Faultless Rubber Company, The, Akron, Ohio, to The Faultless Rubber Company, Ashland, Ohio. Rubber goods. 66,484; renewed Dec. 3, 1927.
Faultless Rubber Company, The, Akron, Ohio, to The Faultless Rubber Company, Ashland, Ohio. Surgical goods. 66,485; renewed Dec. 3, 1927.
Ferris, James V., Colorado Springs, Colo. Preparation for the treatment of skin diseases. 230,526; July 26; Serial No. 245,260; published May 10, 1927.
Flavour Candy Co., Chicago, Ill. Candy. 230,460; July 26; Serial No. 246,544; published May 10, 1927.
Ford, J. B., Company, The, Wyandotte, Mich. Soda ash, white ash, textile white ash, etc. 230,548; July 26.
Forhan Company, New York, N. Y. Antiseptics. 230,503; July 26; Serial No. 243,934; published May 10, 1927.
Freckle-Off Co., Los Angeles, Calif. Cleansing and massaging creams. 230,459; July 26; Serial No. 246,545; published May 10, 1927.
Fuller, W. P., & Co., San Francisco, Calif. Paints, varnish, primer, and paint enamel. 230,507; July 26; Serial No. 244,299; published May 10, 1927.
Galena-Signal Oil Co., Franklin, Pa. Illuminating and lubricating oils and greases. 65,197; renewed Sept. 10, 1927.
Galena-Signal Oil Co., Franklin, Pa. Lubricating oils. 65,994; renewed Nov. 5, 1927.
Galena-Signal Oil Co., Franklin, Pa. Lubricating oils. 66,154; renewed Nov. 12, 1927.
Georges, William, doing business as La Rex Chemical Company, Seattle, Wash. Eczema lotion. 230,565; July 26.
Good Will Service System. (See Snovel, Harry H.)
Gorham Mfg. Company, Providence, R. I. Objects of art and ornament. 64,915; renewed Aug. 27, 1927.
Groton Chemical Co., The, Groton, Conn. Thinner for paints and varnishes. 230,502; July 26; Serial No. 243,855; published May 10, 1927.
Gruen Watch Company, The, Cincinnati and Time Hill, Cincinnati, Ohio. Leather straps for wrist watches. 230,573; July 26.

Guerlain, Marcel, Suresnes, Paris, France. Perfumes and cologne. 230,538; July 26; Serial No. 239,884; published May 3, 1927.
Gurnard Manufacturing Company, Beverly, Mass. Couplings for hose. 230,571; July 26.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, cotton, and wool. 230,518; July 26; Serial No. 246,897; published May 17, 1927.
Habirshaw, W. M., Yonkers, N. Y., to Habirshaw Cable and Wire Corporation, New York, N. Y., successor. Insulated wires, cables, and cords. 64,166; renewed July 30, 1927.
Hampden Auto Top and Metal Company, Springfield, Mass. Automobile seat covers. 230,476; July 26; Serial No. 246,157; published May 17, 1927.
Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. 230,453; July 26; Serial No. 246,679; published May 10, 1927.
Henderson, Peter, & Co., New York, N. Y. Agricultural and horticultural seeds. 66,183; renewed Nov. 12, 1927.
Henderson, Peter, & Co., New York, N. Y. Lawn mowers. 66,207; renewed Nov. 12, 1927.
Hobert, Benjamin Company, The, assignor to G. G. Roberts Corporation, Whitman, Mass. Nails. 64,347; renewed Aug. 6, 1927.
Hoffman Beverage Co., Newark, N. J. Beverages sold as soft drinks. 230,494; July 26; Serial No. 243,155; published May 17, 1927.
Hoffman, E. A., Candy Co. Inc., Los Angeles, Calif. Candy. 230,495; July 26; Serial No. 243,212; published May 17, 1927.
Hollander Bros. Drug Co., Braddock, Pa. Medicinal preparation. 230,525; July 26; Serial No. 246,682; published May 10, 1927.
Hoover Body Company, York, Pa. Vehicle bodies and parts thereof. 230,519; July 26; Serial No. 246,902; published May 17, 1927.
Hoover Body Company, York, Pa. Vehicle bodies and parts thereof. 230,520; July 26; Serial No. 246,904; published May 17, 1927.
In-A-Door Coffee Company of Missouri, St. Louis, Mo. Coffee. 230,491; July 26; Serial No. 247,131; published May 17, 1927.
I-Sis Laboratories, Inc., New York, N. Y. Cleaning and polishing preparation for automobiles, furniture, etc. 230,512; July 26; Serial No. 246,684; published May 10, 1927.
Kathreiners Malzkaffee-Fabriken Gesellschaft mit beschränkter Haftung, Munich, Uerdingen, and Berlin, to Kathreiners Malzkaffee-Fabriken G. m. b. H., Berlin, Germany. Malt extracts. 30,625–6; renewed Oct. 5, 1927.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Washing machines. 230,531; July 26; Serial No. 228,911; published May 10, 1927.
Kewanee Boiler Company, Kewanee, Ill. Boilers for steam and water heating systems. 30,776–7; renewed Oct. 26, 1927.
Klinker Manufacturing Co., The, Cleveland, Ohio. Soap shaving cream. 230,552; July 26.
Kooler Co., The, Washington, D. C. Beverage sold as a soft drink. 230,539; July 26; Serial No. 240,080; published May 17, 1927.
L. S. & Co. (See Sutera, Leonard.)
Lamco Products Co., Chicago, Ill. Ironing-board pads and covers. 230,521; July 26; Serial No. 246,913; published May 17, 1927.
La Monte, George, & Son, Nutley, N. J., and New York, N. Y., to George La Monte & Son, New York, N. Y. Safety paper. 66,432–3; renewed Nov. 26, 1927.
La Rex Chemical Company. (See Georges, William.)
Laubach, Thomas F., New York, N. Y., assignor to Laubach Proprietary Medicines, Jersey City, N. J. Medicines. 66,367; renewed Nov. 26, 1927.
Le Compte & Gayle Co., Frankfort, Ky. Blood and nerve tonic. 64,681; renewed Aug. 20, 1927.
Le Compte & Gayle Co., Frankfort, Ky. Remedy. 65,638; renewed Oct. 15, 1927.
Leonard, Crosset & Riley, assignor to Leonard, Crosset & Riley, Inc., Cincinnati, Ohio. Watermelons. 230,532; July 26; Serial No. 230,247; published May 17, 1927.
Lincoln Radiator Corporation, Utica, N. Y. Radiation and radiators. 230,479; July 26; Serial No. 245,915; published May 17, 1927.
Lisher & Ratto, Napa, Calif. Floor and wall coverings of linoleum. 230,535; July 26; Serial No. 231,937; published May 17, 1927.
Loewith, Julius, Inc., New York, N. Y. Form of peat moss used as a humus or soil improver. 230,533; July 26; Serial No. 231,114; published May 10, 1927.
Maillard, Henry, Inc., Long Island City, N. Y. Candy. 230,545; July 26; Serial No. 247,370; published May 17, 1927.
Mallinckrodt Chemical Works, St. Louis, Mo. Calogreen, a mercurial salt known as mercurous chloride. 230,506; July 26; Serial No. 244,234; published May 10, 1927.
Manville Jenckes Company, Pawtucket, R. I. Napkins of cotton, linen, and cotton and linen. 230,477; July 26; Serial No. 246,102; published May 17, 1927.
Merck & Co., assignor to Merck & Co., New York, N. Y. Periodical devoted to pharmacy. 63,712; renewed July 2, 1927.
Mount Hope Finishing Company, North Dighton, Mass. Cotton fabrics. 65,945; renewed Oct. 29, 1927.
Mountain Copper Co., Ltd., London, England, to The Mountain Copper Co. Limited, San Francisco, Calif. Copper in ingots, bars, and other unmanufactured forms. 30,929; renewed Nov. 30, 1927.
Mountain Copper Company Limited, The, London, England, and San Francisco, Calif., to The Mountain Copper Co. Limited, San Francisco, Calif. Fertilizers. 66,273; renewed Nov. 19, 1927.
Mueller, V., & Co., Chicago, Ill. Thermophores. 230,554; July 26.
Murphy, C. Temple, Pasadena, Calif. Household and office chairs, settees, stools, and tables. 230,555; July 26.
Newman Cigar Co., The, Cleveland, Ohio. Cigars. 230,487; July 26; Serial No. 245,449; published May 10, 1927.
Ortegat, Adelaide, doing business as Parfumerie de Boor, Paris, France. Face massage powder, cleansing cream, reducing cream, etc. 230,553; July 26.
Outing Manufacturing Company, Elkhart, Ind. Fishing-tackle boxes. 230,544; July 26; Serial No. 242,962; published May 10, 1927.
Pacific Sea Foods Co., Hoquiam, Wash. Canned clams. 230,524; July 26; Serial No. 247,036; published May 17, 1927.
Palais Royal, Inc., The, Washington, D. C. Cotton piece goods, silk piece goods, etc. 230,504; July 26; Serial No. 244,100; published May 17, 1927.
Parfumerie de Boor. (See Ortegat, Adelaide.)
Patrick, F. A., & Co., Duluth, Minn. Clothing. 65,672; renewed Oct. 15, 1927.
Pennington, F. C., Produce Company, Greenville and Sulphur Springs, Tex. Dressed fowls, eggs, and cans of frozen eggs. 230,505; July 26; Serial No. 244,104; published Apr. 19, 1927.
Pharmakon A. G. Chemische Fabrik, Frankfort-on-the-Main, Germany. Disinfectants for hands and the field of operation and a cosmetic for the skin. 230,493; July 26; Serial No. 243,013; published May 10, 1927.
Plee-Zing Corporation, The, New York, N. Y. Matches. 230,492; July 26; Serial No. 242,968; published May 17, 1927.
Pratt & Lambert, Inc., Buffalo, N. Y. Paint enamels, varnishes, wood stains, etc. 230,485; July 26; Serial No. 245,452; published May 10, 1927.
Pratt & Lambert, Inc., Buffalo, N. Y. Paint enamels, varnishes, wood stains, etc. 230,486; July 26; Serial No. 245,450; published May 10, 1927.
Premium Metal & Packing Co., Wilkinsburg, Pa. Bearing metals. 230,556; July 26.
Prescott, J. L., Company. (See Black Silk Stove Polish Works, assignor.)
Prizer-Painter Stove Works, The, Reading, Pa. Coal, wood, and combination coal and gas stoves, ranges, and furnaces, and parts thereof. 230,475; July 26; Serial No. 246,177; published May 17, 1927.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Brushes. 230,484; July 26; Serial No. 245,581; published May 10, 1927.
Quik-Stik Rubber Works. (See Rogers, Frederick H.)
Redlands Orange Growers' Association, Redlands, Calif. Fresh oranges. 230,543; July 26; Serial No. 241,439; published May 17, 1927.
Republic Metalware Co., The, Buffalo, N. Y. Wash boilers, wash-boiler covers, washtubs, and clothes sprayers. 230,514; July 26; Serial No. 246,775; published May 17, 1927.
Republic Metalware Co., The, Buffalo, N. Y. Candlesticks, stovepipe thimbles, flue stoppers, etc. 230,515; July 26; Serial No. 246,777; published May 17, 1927.
Roberts, G. G., Corporation. (See Hobart, Benjamin, Company, The, assignor.)
Roebling's, John A., Sons Company, Trenton, N. J. Insulated elastic wire and cables. 63,878; renewed July 9, 1927.
Roebling's, John A., Sons Company, Trenton, N. J. Metal goods. 65,491–2; renewed Oct. 8, 1927.
Roebling's, John A., Sons Company, Trenton, N. J. Wire. 65,493; renewed Oct. 8, 1927.
Roebling's, John A., Sons Company, Trenton, N. J. Wire. 65,528; renewed Oct. 8, 1927.
Rogers, Frederick H., doing business as Quik-Stik Rubber Works, Chicago, Ill. Rubber patches. 230,550; July 26.
Roper, Geo. D., Corporation, Rockford, Ill. Gas-burning water heaters, air and gas mixers, furnaces, etc. 230,546; July 26; Serial No. 225,804; published May 17, 1927.
Roubaix Products Company, assignor to Roubaix Products Corporation, New York, N. Y. Dyes. 230,458; July 26; Serial No. 246,572; published May 10, 1927.
Salt Lake Coca-Cola Bottling Co., Salt Lake City, Utah. Beverages sold as soft drinks. 230,474; July 26; Serial No. 246,232; published May 10, 1927.
Schueler-Stamford, Incorporated, Stamford, Conn. Bottled ginger ale. 230,557; July 26.
Sears & Derr Company, The, Chillicothe, Ohio. Beverages. 230,455; July 26; Serial No. 246,640; published May 10, 1927.
Sears & Derr Company, The, Chillicothe, Ohio, and Boonville, Ind. Beverages and flavoring materials for making the same. 230,456; July 26; Serial No. 246,639; published May 10, 1927.
Selz, Schwab & Company, Chicago, Ill. Leather boots and shoes. 66,674; renewed Dec. 17, 1927.

Shepard Point Packing Co., Seattle, Wash. Canned salmon. 230,466; July 26; Serial No. 246,441; published May 17, 1927.
Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 230,563; July 26.
Smoked Salt Company, The, Cincinnati, Ohio. Salt. 230,542; July 26; Serial No. 241,117; published May 10, 1927.
Snovel, Harry H., doing business as Good Will Service System, Lima, Ohio. Toy horns, kites, whistles, caps, balloons, baseballs, etc. 230,471; July 26; Serial No. 246,314; published May 10, 1927.
Society of Chemical Industry in Basle. (See Basle Chemical Works Bindschedler, assignor.)
Sohne, Aug. Elhardt, Dietmannsried, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Color-setting compound used in dyeing. 64,669; renewed Aug. 20, 1927.
Spalding, A. G., & Bros., Jersey City, N. J., and New York, N. Y. Footwear. 64,121; renewed July 23, 1927.
Sprague, Warner & Co., Chicago, Ill. Canned fruits and vegetables. 230,465; July 26; Serial No. 246,444; published May 17, 1927.
Stein, S., & Co., New York, N. Y. Woolen goods. 230,513; July 26; Serial No. 246,719; published May 17, 1927.
Sterling Products Company, The, Cleveland, Ohio. Asphaltum paint. 230,498; July 26; Serial No. 243,510; published May 10, 1927.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Metal angles, metal arrows, bells for toys, dog collars, etc. 230,527; July 26; Serial No. 185,156; published May 10, 1927.
Strauss-Eckardt Co. Inc., New York, N. Y. Dolls and doll-playpen sets. 230,522; July 26; Serial No. 246,987; published May 17, 1927.
Successori Nicolini & Venesia, Biella, Italy. Brandy and liqueurs. 230,500; July 26; Serial No. 243,791; published May 17, 1927.
Sutera, Leonard, doing business as L. S. & Co., Brooklyn, N. Y. Preparation for the treatment of burns. 230,508; July 26; Serial No. 244,520; published Apr. 26, 1927.
Symmes, H. H., Company, Indianapolis, Ind. Masonry materials. 65,441; renewed Sept. 24, 1927.
Tatum, Robert S., jr., Jacksonville, Fla. Cigars. 230,454; July 26; Serial No. 246,646; published May 17, 1927.
Tiddywoods Toy Company, Indianapolis, Ind. Toy guns. 230,516; July 26; Serial No. 246,785; published May 10, 1927.
Tunnell, F. W., & Co., assignor to F. W. Tunnell & Company, Inc., Philadelphia, Pa. Fertilizers. 66,601; renewed Dec. 17, 1927.
Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Heating-system devices. 230,551; July 26.
U. S. Export Chemical Corporation, Tampa, Fla., and New York, N. Y. Fertilizers. 230,530; July 26; Serial No. 228,281; published May 17, 1927.
Universal Oil Co., The, Baltimore, Md., to The Universal Oil Co., New York, N. Y. Lubricating and cutting oils and greases and lubricating compounds. 64,562; renewed Aug. 13, 1927.
Utility Manufacturing Company, Inc., Baltimore, Md. Coffee and tea strainers, soup strainers, and jelly strainers. 230,482; July 26; Serial No. 245,818; published May 17, 1927.
Utility Salt Company, Inc., Wheeling, W. Va. Stock and table salt. 65,037; renewed Sept. 3, 1927.
Vulcan Match Co., Inc., New York, N. Y. Safety matches. 230,473; July 26; Serial No. 246,252; published May 17, 1927.
Walker, Wm. H., & Company, assignor to Wm. H. Walker & Company, Buffalo, N. Y. Rubber boots and shoes. 63,843; renewed July 9, 1927.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 66,063; renewed Nov. 5, 1927.
Washington Post Company, The, Washington, D. C. Newspapers. 66,538; renewed Dec. 10, 1927.
Watkins, J. R., Company, The, Winona, Minn. Brown skin face powder, complexion, deodorant, talcum powder, etc. 230,567; July 26.
Whistle Bottling Co. East Portchester, Conn. Beverages sold as soft drinks. 230,472; July 26; Serial No. 246,256; published may 10, 1927.
Woolner Brewing Company, The, Toledo, Ohio. Ginger ale. 230,499; July 26; Serial No. 243,686; published May 10, 1927.
Wye, George E., Company, Needham, Mass. Sweaters. 63,893; renewed June 18, 1927.
Yocum Bros., Inc., Reading, Pa. Cigars. 230,463–4; July 26; Serial Nos. 246,457–8; published May 17, 1927.
York Manufacturing Co., Saco, Me., and Boston, Mass. Card-table covers. 230,540; July 26; Serial No. 240,119; published May 17, 1927.
Zorro Tobacco Co. Inc., The, New York, N. Y. Smoking tobacco. 230,511; July 26; Serial No. 247,112; published May 17, 1927.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Avril, William E., Santa Monica, Calif. The Label of the Original Plumbing Shop on Wheels Guarantees Quality. On Our Trucks. For Trucks. 32,482; July 26.
Bennett, F. H., Biscuit Co., New York, N. Y. Milk Bone Crumbs. For Food for Cats, Kittens, Puppies, and Toy Dogs. 32,483; July 26.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Hostess Package. For Ginger Ale. 32,484; July 26.
Cox, Joseph E., Kansas City, Mo. Cox Corn Remover. For Corn Remover. 32,485; July 26.
Deedera, Carleton, Winter Haven, Fla. Directions. For Kilrust. 32,486; July 26.
Garfinkel, William W., Wilmington, Del. Truth Brand. For Malt Sirup. 32,487; July 26.
Gladbrook Packing Co., doing business as Gladbrook Mustard Factory, Long Beach, Calif. Sandwich. For Pickles. 32,488; July 26.
Gopcevic, Milos M., Kelseyville, Calif. Quercus Ranch Brand. For Bartlett Pears. 32,489; July 26.
Hacker, E. H., doing business as Sterling Candy Company, Milwaukee, Wis. Aunt Edna's. For Candy. 32,490; July 26.
Laboratory Products Company, The, Cleveland, Ohio. S. M. A. For Food Product for Infants. 32,491; July 26.
Lewis, Mrs. Jack F., doing business as Rowlew Manufacturing Company, Raleigh, N. C. Rowlew Magic Kleaner. For a Cleaning Preparation. 32,492; July 26.
Marie-Dana Billon, Palm City, Calif. Marie-Dana Candies. For Homemade Candies. 32,493; July 26.
Monticello Nursery Company, Monticello, Fla. Mahan Pecan Trees. For Mahan Pecan Trees. 32,494; July 26.
Munro, Ltd., Honolulu, Hawaii. Kelly's. For Canned Pineapple Jam. 32,495; July 26.
Pitt, C. M., & Sons Company, The, Baltimore, Md. Chocolate Pickaninnies. For Cakes. 32,496; July 26.
Rowlew Manufacturing Company. (See Lewis, Mrs. Jack F.)
Sterling Candy Company. (See Hacker, E. H.)
Tuscaloosa Syrup Co., Inc., Tuscaloosa, Ala. Bama's Syrup. For Sirup. 32,497; July 26.
Wildstein, M., Philadelphia, Pa. Willow Grove. For Butter. 32,498; July 26.
Williamson Candy Company, Chicago, Ill. O Henry! For Candy. 32,499; July 26.
Yo-Ho Pure Food Products Co., Chicago, Ill. Hot Chips. For Cooked Sliced Potatoes, Called Hot Chips. 32,500; July 26.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Writing Paper Co. Inc., Holyoke, Mass. The Right Paper For The Purpose. For Eagle-A Papers. 10,083; July 26.
Franklin Baker Co., Hoboken, N. J. Baker's Moist Coconut. For Baker's Coconut. 10,084; July 26.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. You Can Thank "Jim" Dole For Canned Hawaiian Pineapple. For Hawaiian Pineapple. 10,085; July 26.
Roper, Geo. D., Corporation, Rockford, Ill. New—A Master Selling Idea—New—Set It in Motion. For Gas Ranges. 10,086; July 26.
Taylor, Thomas D., Philadelphia, Pa. Today Only. For Publications. 10,087; July 26.
U. S. Cartridge Co., New York, N. Y. A Load for Every Purpose. A Shell for Every Purse. For U. S. Shot Shells. 10,088; July 26.
West, Geo. B., Belle Isle, Richmond, Va. The Origin of the Jigger Boo Stick. For Staybolt Iron. 10,089; July 26.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abood, Assad, doing business as Abood Knitting Mills, New York, N. Y. Men's knitted neckties, mufflers, and ladies' scarfs. 249,631; July 26.

Abraham & Straus, Inc., New York, N. Y. Corsets. 239,214; July 26.

Abraham & Straus, Inc., New York, N. Y. Coats, suits, dresses, and frocks. 245,041; July 26.

Acme Steel Company, Chicago, Ill. Galvanized stapling wire. 250,346; July 26.

Allen, Mark W., & Co., Detroit, Mich. Laundry soaps, toilet and shaving-cream soaps, etc. 249,882; July 26.

Alligator Company, The, St. Louis, Mo. Waterproof cloth, awnings, and tarpaulins. 249,768; July 26.

Alligator Company, The, St. Louis, Mo. Sheets, ground blankets, covering blankets, etc. 249,770; July 26.

Aluminum Industries, Inc., Cincinnati, Ohio. Toy automobiles. 250,006; July 26.

Amazine Products Co., The, East Liverpool, Ohio. Cleaning compound. 248,026; July 26.

American Beauty Rose Ice Cream Cone Co. (See Sheridan, Joseph W.)

American Lafrance Fire Engine Company, Inc., Elmira, N. Y. Engine-driven fire apparatus. 249,109; July 26.

American Metal Products Corporation, San Francisco, Calif. Lighters and dispensers for cigars, etc. 248,804; July 26.

American Road Machinery Company, Kennett Square, Pa. Road scrapers, road rollers, etc. 228,398; July 26.

American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Metals, lead, babbitt, etc. 225,539; July 26.

American Smelting & Refining Company, New York, N. Y., and San Francisco, Calif. Nonferrous metals, lead, babbitt, etc. 225,543; July 26.

Antidoloro M'f'g. Co., The. (See Waite, Ralph B.)

Arbuthnot Oil Company, Picher, Okla. Gasoline, kerosene, lubricating oils and greases, etc. 248,983; July 26.

Armstrong, D., & Co., Inc., Rochester, N. Y. Shoes. 250,056; July 26.

Associated Attleboro Manufacturers Inc., Attleboro, Mass. Vanity cases. 249,830; July 26.

Associated Devices Corporation, St. Louis, Mo. Clothes-washing machines. 243,576; July 26.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics. 247,117; July 26.

Automatic Soda Dispensing Corporation, Philadelphia, Pa. Automatic coin-controlled beverage dispensing and vending machines. 231,895; July 26.

Automotive Manufacturing Company. (See Lafite, Roger G.)

Bachrodt, A. L., doing business as Bachrodt & Company, San Jose, Calif. Ground animal fertilizer or pulverized animal manure. 237,773; July 26.

Baker Brothers Company. Streator, Ill. Canned vegetables, fruits, berries, etc. 245,825; July 26.

Barnet Leather Co., Inc., New York, N. Y. Fur calf skins. 249,037; July 26.

Baron, Morris, New York, N. Y. Hosiery and underwear. 246,728; July 26.

Bates-Dow Company, Inc., Brooklyn, N. Y. Shoes. 228,353; July 26.

Beaver Oil Company, Inc., Mountain View, N. J. Lubricating oil, gasoline, etc. 246,587; July 26.

Bendel, Henri, Inc., New York, N. Y. Perfumes and toilet waters. 250,395; July 26.

Berg Brothers, Minneapolis, Minn. Malt beverages and malt sirup. 243,798; July 26.

Berry, James H., Bakersfield, Calif. Soap flakes. 247,162; July 26.

Bethlehem Textiles Co., Bethlehem, Pa. Hosiery and underwear. 249,461; July 26.

Binghamton Water Proofing Company, Binghamton, N. Y. Black dressing for auto tops. 247,309; July 26.

Bird-Archer Company, The, New York, N. Y. Chemical preparation. 249,110; July 26.

Blackhawk Petroleum Co., Chicago, Ill. Lubricating oils and greases. 243,525–6; July 26.

Blackhawk Petroleum Co., Chicago, Ill. Oils and greases. 243,584; July 26.

Blackstone Manufacturing Company, doing business as Tru-Lax Manufacturing Co., Newark, N. J. Tablets of aspirin. 249,699; July 26.

Bogle, Chesley M., doing business as Sauer Ju Sales Co., Seattle, Wash. Sauerkraut juice. 249,888; July 26.

Bortz, M., Company, Chicago, Ill. Coffee, caviar, vinegar, sour tomatoes, and eggs. 249,889; July 26.

Boyce Extract Company, Brooklyn, N. Y. Fruit sirups. 249,212; July 26.

Boyce Extract Company, Brooklyn, N. Y. Fruit sirups. 249,500; July 26.

Broblewski, Albert G., & Co., Incorporated, Plymouth, Pa. Salve for fresh cuts, boils, and wounds. 250,918; July 26.

Broderick & Bascom Rope Company, St. Louis, Mo. Wire-rope drilling cables. 235,729; July 26.

Brownie Corporation, The, New York, N. Y. Beverage sold as a soft drink. 237,776; July 26.

Bryant, Cuno R., Portland, Oreg. Account books and accounting forms. 245,080; July 26.

Buck and Rayner, doing business as The Century Products Co., Chicago, Ill. Soap. 243,413; July 26.

Buckley, Newhall Company, The, New York, N. Y. Electric coffee and tea pots and percolators, dishwashing machines, vacuum cleaners, etc. 241,084; July 26.

Buffalo Specialty Company, now by change of name to Liquid Veneer Corporation, Buffalo, N. Y. Detergent and polishing liquids. 225,995; July 26.

Bugbird, H. C., doing business as H. C. Bugbird Co., New York, N. Y. Absorbtive carbons. 245,149; July 26.

Burleson, Thomas W., Waxahachie, Tex. Honey. 250,396; July 26.

Butterfield, Fred., & Co. Inc., New York, N. Y. Cotton, cotton and wool, wool rayon, and rayon and cotton fabrics. 250,973; July 26.

Butternut Packers. (See Glenn, Meyer.)

Buzza Company, The, Minneapolis, Minn. Gift mottoes. 234,371; July 26.

Calduro Memorial Corporation, Bedford, Ind. Building stone. 231,584; July 26.

California Fruit Growers Exchange, Los Angeles, Calif. Electric fruit-juice extractors. 249,510; July 26.

Caribbean Beverage Company, New York, N. Y. Ginger ale. 249,213; July 26.

Cartersville Mills, Incorporated, The, Cartersville, Ga. Children's knit ribbed underwear. 249,113; July 26.

Carver File Company, doing business as Delta File Works, Philadelphia, Pa. Files. 245,532; July 26.

Celanese Corporation Of America, New York, N. Y. Knitted, netted, and textile fabrics. 249,780; July 26.

Celanese Corporation of America, New York, N. Y. Knitor threads. 249,781; July 26.

Century Products Co., The. (See Buck and Rayner.)

Chamberlin Metal Weather Strip Company, Detroit, Mich. Calking. 243,081; July 26.

Chavant Mfg. Co. (See Goldenhorn, Bernard.)

Chein, J., & Co., Harrison, N. J. Mechanical toy aeroplanes. 250,010; July 26.

Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 241,091; July 26.

Chopak Textile Co., Inc., New York, N. Y. Knitted silk goods. 247,261; July 26.

Clogg, Follmer, & Co., Lancaster, Pa.; New York, N. Y.; Columbia and Philadelphia, Pa.; and San Francisco, Calif. Umbrellas, umbrella ribs, and umbrella frames. 237,230; July 26.

Cluett, Peabody & Co., Inc., Troy, N. Y. Underwear. 249,571; July 26.

Cody, Anna, doing business as Cody Manufacturing Co., Cedar Rapids, Iowa. Cleansing compound. 248,282; July 26.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's, boys', and children's outer garments, etc. 249,706; July 26.

Colgate & Company, Jersey City, N. J. Soap flakes. 250,013; July 26.

Colonial Sugars Company, New York, N. Y. Sugars. 250,976; July 26.

Colson, Georges E., Paris, France. Wigs. 246,596; July 26.

Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Phenolic condensation compounds. 250,676; July 26.

Consolidated Millinery Company, Chicago, Ill. Hats. 239,341; July 26.

Consolidated Millinery Company, Chicago, Ill. Hats. 249,329; July 26.

Construction Supplies Company of America, New York, N. Y. Compression bibs and stops, P traps, connected waste and overflow, etc. 239,239; July 26.

Construction Supplies Company of America, New York, N. Y. Construction materials. 239,240; July 26.

Continental Motors Corporation, Detroit and Muskegon, Mich. Internal-combustion engines, etc., and parts. 248,675; July 26.

Copelof, Stillman & Co., Inc., New York, N. Y. Coats, suits, and dresses. 250,115; July 26.

Cornhusker Hog Remedy Co. (See Lux, Harry.)

Craine, Benjamin H., doing business as Rembrandt Studios, Detroit, Mich. Photographs. 246,818–19; July 26.

Cresta Blanca Company, San Francisco, Calif. Canned fruits, fruit preserves, fruit jellies, jams, etc. 235,803; July 26.

Daggett & Ramsdell, New York, N. Y. Skin lotion. 249,893; July 26.

Dawn Donut Company of Jackson, Jackson, Mich. Doughnuts, doughnut flour, and potato chips. 233,480; July 26.

De Clay Hats, Inc., New York, N. Y. Hats. 245,896; July 26.

Delane Woolen Company, Inc., New York, N. Y. Woolen fabrics. 249,466; July 26.

Delta File Works. (See Carver File Company.)

Denison Bottling Works. (See Mitchell, James A.)

Derrenbacher, Wm., Inc., New York, and Brooklyn, N. Y. Candy. 232,913; July 26.

Didisheim-Goldschmidt Fils et Cl., Fabrique Juvenia, La Chaux-de-Fonds, Switzerland. Watches, watch parts, etc. 241,936; July 26.

Dixon, L. S., & Co., Ltd., Liverpool, England. Boards of paper or flongs. 231,530; July 26.

Dodge, Ettie, Sydney, New South Wales, Australia. Games. 223,838; July 26.

Dyeing, S. & H., Co., Inc., West New York, N. J. Rayon yarn. 247,823; July 26.

Ebon Dress Company, Inc., New York, N. Y. Dresses. 249,268; July 26.

Edison, Sylvan M., doing business as Edison Laboratories, Chicago, Ill. Denture brushes. 250,401; July 26.

Edmanson, Bates & Co. Ltd., Toronto, Ontario, Canada, Pills. 248,480; July 26.

Eggers, Albert B., Huntington Park, Calif. Hosiery, shirts, etc. 245,632; July 26.

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric air-heater attachment for vacuum cleaners. 243,753; July 26.

Elkert Bros. Tanning Company, Milwaukee, Wis. Sole leather. 249,269; July 26.

Ely, Albert E., doing business as Quix Chemical Co., Glasgow, Ky. Pile remedy. 250,915; July 26.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 249,895; July 26.

Farmer, Earl C., doing business as The Magneco Company, San Francisco, Calif. Electromagnetic belts. 246,835; July 26.

Federal Gauge Company, The, Chicago, Ill. Electric controls for electric switches, temperature-operated electric switches, etc. 241,814; July 26.

Federal Gauge Company, The, Chicago, Ill. Electric controls for electric switches, etc. 246,471; July 26.

Federal Gauge Company, The, Chicago, Ill. Electric controls for electric switches, etc. 248,294; July 26.

Ferdinand-Dreyfus, Jean, Paris, France. Pocket lighters, tinder boxes, etc. 246,956; July 26.

Fiction House, Inc., New York, N. Y. Magazine. 249,897; July 26.

Fidler, H. F., & Co., Womelsdorf, Pa. Cigars. 250,073; July 26.

Fink, Harry, & Company, Los Angeles, Calif. Hosiery. 248,569; July 26.

Fischer, J. A., Company, Philadelphia, Pa. Phonograph sound boxes and tone arms. 250,403; July 26.

Flintkote Company, The. (See Richardson Company, assignor.)

Flintkote Company, The, Boston, Mass. Roofing felt and roofing paper, prepared roofing, shingles, etc. 239,028; July 26.

Flintkote Company, The, Boston, Mass. Asphalt shingles and roofing. 247,840; July 26.

Flintkote Company, The, Boston, Mass. Asphalt shingles and roofing. 247,942; July 26.

Foamadent Co., New York, N. Y. Dentifrice. 250,234; July 26.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 248,764; July 26.

Forstmann & Huffmann Company, Passaic, N. J. Woolen goods. 250,502–3; July 26.

Forstmann & Huffmann Company, Passaic, N. J. Woolen goods. 250,507; July 26.

Foss & Burrill, Ellsworth, Me. Beverages and water. 250,074; July 26.

Founteria Manufacturing Company, Inc., Birmingham, Ala. Beverage-dispensing machines and parts thereof. 250,610; July 26.

Fox, Peter, Sons Co., The, Chicago, Ill. Dressed poultry. 249,373–4; July 26.

Friedman, Jak, doing business as Glen Cove Beverage Co., Glen Cove, N. Y. Ginger ale and sirup for making same. 243,085; July 26.

Gebrüder Siemens & Company, Berlin-Lichtenberg, Germany. Electric conductor and resistance materials. 244,300; July 26.

General Public Utilities Company, Miami, Fla. Ice. 245,979; July 26.

Gilberg, Benjamin I., Cincinnati, Ohio. Canned fruits, vegetables, etc. 248,632; July 26.

Glass Decorating Corporation, Baltimore, Md. Signs. 248,492; July 26.

Glen Cove Beverage Co. (See Friedman, Jak.)

Glenn, Meyer, doing business as Butternut Packers, Erie, Pa. Salted peanuts. 248,831; July 26.

Goldberg, Jacob, doing business as Ormont Watch Company, New York, N. Y. Watch movements. 245,091; July 26.

Goldenhorn, Bernard, doing business as Chavant Mfg. Co., Jersey City, N. J. Plastic modeling material. 247,011; July 26.

Goldenhorn, Bernard, doing business as Chavant Mfg. Co., Jersey City, N. J. Plastic modeling material. 247,015; July 26.

Goutal, André A., doing business as André Goutal & Co., New York, N. Y. Astringents, astringent cereates, bleach creams, etc. 249,720; July 26.

H. & B. Textile Chemical Corporation, New York, N. Y. Preparation for stiffening animal textile material. 249,170; July 26.

H. & B. Textile Chemical Corporation, New York, N. Y. Specially-treated oil used to prepare all kinds of textile materials for lubricant and dye penetrant. 249,171; July 26.

H & H Scribe Saw Company, Detroit, Mich. Electrically-operated scribe saws and hand markers. 227,348; July 26.

Hair-O-Neet Chemical Company. (See Smithline, Herman.)

Haloid Company, The, Rochester, N. Y. Sensitized photographic developing papers. 249,172; July 26.

Hanson, Minnie A., doing business as Kleenslick Mfg. Co., St. Paul, Minn. Powdered hand soap. 247,614; July 26.

Harrison, Monroe, Chicago, Ill. Beverage sold as a soft drink. 249,791; July 26.

Hatch & Bailey Company, The, South Norwalk, Conn. Builders products. 242,430; July 26.

Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. 233,442; July 26.

Helburn Thompson Company, Salem, Mass. Leather. 249,521; July 26.

Henninger, T. F., Corporation, Chicago, Ill. Radio vacuum tubes. 249,522; July 26.

Heppenstall Forge & Knife Company, Pittsburgh, Pa. Steel forgings. 249,523; July 26.

Hershfield, Sarah J., New York, N. Y. Cartoon strips. 250,124–6; July 26.

Heston & Anderson, Fairfield, Iowa. Portable electric bench machines. 248,298; July 26.

Hibline, J. Edward, Co., Inc., Baltimore, Md. Coal. 250,174; July 26.

Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper. 248,687; July 26.

Hodge, W. T., doing business as Valley Fruit and Vegetable Exchange, Harlingen, Tex. Grapefruit and oranges. 247,693; July 26.

Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 235,817; July 26.

Hospital Specialty Co., The, Cleveland, Ohio. Sanitary napkins. 235,825; July 26.

Hutchison, J. G., & Company, Ottumwa, Iowa. Writing paper. 249,725; July 26.

Hygiene Products Co., New York, N. Y. Sanitary napkins. 249,660–1; July 26.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany. Chemical emulsifying agents. 243,484; July 26.

Iacono, Mario, Brooklyn, N. Y. Canned olive oil. 231,482; July 26.

Ideal Roller and Manufacturing Company, Chicago, Ill. Rollers for printing presses, etc. 244,447; July 26.

International Harvester Company, Chicago, Ill. Lubricating oil. 233,935; July 26.

Ishii, Ai, Sacramento, Calif. Sanitary belts. 241,057; July 26.

Jacobs Candy Co., New Orleans, La. Candy. 235,956; July 26.

Jacobson, Benjamin, doing business as Lexington Products Co., Brooklyn, N. Y. Sanitary napkins. 250,618; July 26.

Johnson, Alfred, Skate, Co., The, Chicago, Ill. 249,252; July 26.

Johnson, George M., doing business as Pilot Paint & Varnish Co., Chicago, Ill. Varnishes, paints, paint enamels, etc. 249,177; July 26.

Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 246,210; July 26.

Joseph & Winterhoff, New York, N. Y. Malt preparation for beverages. 249,906; July 26.

Judelle, Samuel, New York, N. Y. Men's, boys', and children's caps. 249,178; July 26.

Katz & Ogush, Inc., New York, N. Y. Finger rings, bar pins, scarf pins, etc. 249,357; July 26.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 249,852; July 26.

Kendall Mills, Inc., Walpole, Mass. Piece goods of cotton or rayon. 249,909; July 26.

Kleenslick Mfg. Co. (See Hanson, Minnie A.)

Kompass & Stoll Company, Inc., Niles, Mich. Kitchen table tops. 232,139; July 26.

Lafite, Roger G., doing business as Automotive Manufacturing Company, Kansas City, Mo. Generator brush holders, battery cables, generator housings, etc. 247,376; July 26.

Lange, William L., New York, N. Y. Banjos and strings, bridges, etc. 248,638; July 26.

Lanman & Kemp, Inc., New York, N. Y. Laxative tablets. 250,625; July 26.

Lax-A-Cake Company, Louisville, Ky. Cake. 250,311; July 26.

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Lederer, Henry, & Bro. Inc., Providence, R. I. Pyrophoric pocket cigar lighters. 248,914; July 26.
Lehon Company, The, Chicago, Ill. Asbestos shingles. 248,414–15; July 26.
Lexington Products Co. (See Jacobson, Benjamin.)
Libby, McNeill & Libby, Chicago, Ill. Canned fruits and berries. 250,180; July 26.
Liberty & Co., Limited, London, England. Lawn, being cotton piece goods. 249,592; July 26.
Limoneira Company, Santa Paula, Calif. Oranges, lemons, and grapefruit. 250,846; July 26.
Limoneira Company, Santa Paula, Calif. Oranges, lemons, and grapefruit. 250,848; July 26.
Link-Belt Company, Chicago, Ill. Oil-well drives and counterweighted disks on the drive. 250,465; July 26.
Liquid Gold Local Antiseptic Co. (See Reed, A. T.)
Liquid Veneer Corporation. (See Buffalo Specialty Company.)
Little Frères, Paris, France. Tennis rackets. 250,558; July 26.
Lucas, John, & Co. Inc., Philadelphia, Pa. Paint. 249,975; July 26.
Lucas, John & Co., Inc., Philadelphia, Pa. Glazing liquid and mixing oil for paint. 249,976; July 26.
Lux, Harry, doing business as Cornhusker Hog Remedy Co., Lincoln, Nebr. Preparation for expelling worms from hogs, etc. 249,977; July 26.
Lybanne, Boston, Mass. (See O'Conor, Beatrice.)
Magneco Company, The. (See Farmer, Earl C.)
Mahoney Wilbur A., Jacksonville, Fla. Preparation for the relief of headache, etc. 244,456; July 26.
Majestic Company The. Huntington, Ind. Hot-air heaters. 245,738; July 26.
Manus, Samuel, Brooklyn, N. Y. Covers for sheet music. 247902; July 26.
Marathon Rubber Company Inc., Akron, Ohio. Soles and heels for boots and shoes. 223,128; July 26.
Marshall Field & Company, Chicago, Ill. Rubber pants. 248,560; July 26.
May Department Stores Company, The, Los Angeles, Calif. Creams, liquids, pastes, powders, etc. 249,079; July 26.
McDowell Manufacturing Co., The, Millvale, Pa. Toys. 230,559; July 26.
Means, Mrs. Annie B., Anderson, S. C. Canned filling for cakes, pies, sandwiches, and sauce. 241,109; July 26.
Meis, Charles, Shoe Manufacturing Co., The, Cincinnati, Ohio. Women's leather and fabric shoes. 249,839; July 26.
Melville Shoe Corporation, New York, N. Y. Shoes. 248,703; July 26.
Merwin, W. C., Strathmore, Calif. Fresh deciduous fruits. 241,892; July 26.
Meyer, Louis, Co., Brooklyn, N. Y. Frankfurters, horseradish, etc. 250,182; July 26.
Middlesex Products Company. (See Reversible Collar Company.)
Miller, Frank D., Denver, Colo. Cartoons. 247,625; July 26.
Miller Products Company, Milwaukee, Wis. Concentrated malt sirup. 243,768; July 26.
Mitchell, James A., doing business as Denison Bottling Works and Denison Bottling Co., Denison, Iowa. Beverages sold as soft drinks. 250,471; July 26.
Monitor Coal & Coke Company, Huntington, W. Va. Coal. 247,486; July 26.
Monitor Coal & Coke Company, Huntington, W. Va. Coal. 247,487; July 26.
Moore, Wm., doing business as Wm. Moore Company, Davenport, Iowa. Dresses. 249,363; July 26.
Motte-De Vean, Inc., San Francisco, Calif. Decorated handkerchiefs. 225,313; July 26.
Muller & Kaplan, New York, N. Y. Strings for violins, etc. 248,645; July 26.
Municipal Street Sign Co., Inc., New York, N. Y. Signs. 248,710; July 26.
Munro, William R., Los Angeles, Calif. Salve and lotion for external use. 250,855; July 26.
Murray Corporation of America, The, Detroit, Mich. Vehicle bodies. 249,365–6; July 26.
Musical American Company, The, New York, N. Y. Annual directories of the musical resources of the United States and Canada. 250,090; July 26.
National Garter Co., The, Cincinnati, Ohio. Insole for shoes. 250,516; July 26.
National Rifle Association, Washington, D. C. Rifle and pistol targets. 250,472; July 26.
Nature's Toothpaste Corporation, Los Angeles, Calif. Tooth paste. 250,856; July 26.
Newark Paraffine and Parchment Paper Co., Newark, N. J., and New York, N. Y. Glassine, waxed paper, and combination of waxed glassine paper. 243,061; July 26.
Newman, Hugo, New York, N. Y. Stereopticons, optical projecting instruments, etc. 250,756; July 26.
Ney, J. M., Company, The, Hartford, Conn. Gold alloys. 248,588–9; July 26.
Ney, J. M., Company, The, Hartford, Conn. Gold alloys for dental purposes. 249,673; July 26.
Norris, Wilbur C., Tulsa, Okla. Casing clamps. 244,286; July 26.
Nu Way Window Sash Co., Philadelphia, Pa. Window sashes and parts thereof. 248,785; July 26.
O'Conor, Beatrice, doing business as Lybanne, Boston, Mass., Newton Center and Boston, Mass. Cigars and cigarettes. 249,482–3; July 26.
Orange Mutual Citrus Association, Orange, Calif. Fresh citrous fruits. 249,860; July 26.
Ormont Watch Company. (See Goldberg, Jacob.)
Ortega, Domingo A., Albuquerque, N. Mex. Ointment. 250,631; July 26.
Ortegat, Adelaide, doing business as Parfumerie de Boor, Paris, France. Skin tonic. 247,747; July 26.
Ortegat, Adelaide., doing business as Parfumerie de Boor, Paris, France. Hair tonic. 247,748; July 26.
Ostrander, Frank F., New York, N. Y. Metal polish. 248,243; July 26.
Osuna, José R., Erie, Pa. Coffee. 250,259; July 26.
Owens, Thomas W., Wesleyville, Pa. Reversible hame tug. 250,321; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 248,426–7; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 248,429; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 248,431; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits and vegetables. 248,434; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned vegetables, tomatoes, etc. 248,435; July 26.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 250,563; July 26.
Pacific Gas Radiator Company, Los Angeles, Calif. Radiant gas heaters, wall gas heaters, and gas heaters. 240,995; July 26.
Pacific Trading Co., San Francisco, Calif. Vegetable sauce. 248,189; July 26.
Papadeas, John D., Inc., New York, N. Y. Olive oil. 236,222; July 26.
Parfumerie de Boor. (See Ortegat, Adelaide.)
Parke, Davis & Company, Detroit, Mich. Soap and germicidal soap. 250,473; July 26.
Parkersburg Iron and Steel Co., The, Beechwood, Parkersburg, W. Va. Stovepipes. 248,191; July 26.
Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Electrical receptacles, lighting fixtures, and parts thereof. 249,019; July 26.
Peck Engraving Company, The, Cleveland, Ohio. Writing paper. 224,418; July 26.
Pendleton, Joseph, Laramie, Wyo. Beverage and powder for making same. 248,969; July 26.
Pennino, Oreste, doing business as Pennino Brothers, New York, N. Y. Jewelry. 248,590; July 26.
People's Shoe Stores Company, Inc., The, St. Louis, Mo. Shoes. 249,920; July 26.
Pharr, King, Catherine, Ala. Canned vegetable sauce. 248,249; July 26.
Phila. Scoop & Scale Mfg. Co., Philadelphia, Pa. Scales. 232,882–3; July 26.
Pickard Studios, Incorporated, Chicago, Ill. Pottery and porcelain. 226,373; July 26.
Pilot Paint & Varnish Co. (See Johnson, George M.)
Platten, Emmet, doing business as Platten Refrigeration Company, Green Bay, Wis. Refrigeration counters. 247,444; July 26.
Pratt & Whitney Company, New York, N. Y. Dimension gauges and attachments therefor. 250,037; July 26.
Premium Metal & Packing Co., Wilkinsburg, Pa. Bearing metals. 248,790–1; July 26.
Premium Metal & Packing Co., Wilkinsburg, Pa. Bearing metals. 249,599; July 26.
Pyraglass Products, Inc., Newburgh, N. Y. Advertising display signs and art panels, etc. 248,514; July 26.
Quaker Oats Company, The, Chicago, Ill. Poultry and stock feeds. 245,655; July 26.
Quaker Oats Company, The, Chicago, Ill. Stock feed. 245,749; July 26.
Quality Specialty Mfg. Co., St. Paul, Minn. Mechanical and automatic stroppers. 234,150; July 26.
Quix Chemical Co. (See Ely, Albert E.)
Rabbes, Henry, Washington, D. C. Beverage. 250,095; July 26.
Rader, Daniel M., Inc., Brooklyn, N. Y. Marble. 231,811; July 26.
Raquel Incorporated, New York, N. Y. Perfumes, toilet water, toilet powders, etc. 249,294; July 26.
Read, William F., & Sons Co., Philadelphia, Pa. Woolen piece goods. 250,139; July 26.
Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 248,593; July 26.
Redlands Heights Groves, Inc., Redlands, Calif. Fresh citrous fruits. 250,505; July 26.
Reed, A. T., doing business as Liquid Gold Local Antiseptic Co., Lockney, Tex. Local antiseptic for external use. 250,820; July 26.
Reichard-Coulston Inc., New York, N. Y. Dry-earth pigments. 247,090; July 26.
Rembrandt Studios. (See Craine, Benjamin H.)

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Reversible Collar Company, doing business as Middlesex Products Company, Boston, Mass. 247,571; July 26.
Rice, H. E., Company, Muskegon, Mich. Pocketbooks, pay cases, cigarette cases, etc. 248,594; July 26.
Richardson Company, The, Lockland, Ohio, assignor to The Flintkote Company, Boston, Mass. Shingles. 232,696; July 26.
Riddo-Girms Chemical Company. (See Wolverton, Marie K.)
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton goods. 244,108; July 26.
Rosenberg, August, New York, N. Y. Printed booklets and printed sheets. 245,227; July 26.
Roycrofters, The, East Aurora, N. Y. Candlesticks, sconces, lamps, etc. 246,438; July 26.
Saffer, Morris, & Sons, New York, N. Y. Suits and overcoats. 246,310; July 26.
Sands Manufacturing Company, The, Cleveland, Ohio. Heat-insulating jackets or casings made from hair or other material. 248,975; July 26.
Sartorius, A., & Co. Inc., New York, N. Y. Paints. 248,800; July 26.
Sauer Ju Sales Co. (See Bogle, Chesley M.)
Scheftels & Sims Company, Milwaukee, Wis. Necktles. 250,041; July 26.
Scott, Rufus W., Company, New York, N. Y. Hosiery. 250,146; July 26.
Seaboard Refractories Company, Valentine, N. J. Refractory bricks. 238,529; July 26.
Sears & Hinchliffe, Old Orchard, Me. Candy. 240,446; July 26.
Sears, Roebuck and Co., Chicago, Ill. Safety pins. 237,826; July 26.
Seattle Dry Goods Company, Seattle, Wash. Gloves. 248,865; July 26.
Seebach, K. C., Company, New York, N. Y. Razors. 250,570–1; July 26.
Shawmut Woolen Mills. (See Wyner, I. A., Co.)
Shepler, Florence W., doing business as The F. W. Shepler Stove Company, Pittsburgh, Pa. Heating devices. 214,280; July 26.
Sheridan, Joseph W., doing business as American Beauty Rose Ice Cream Cone Co., Quincy, Ill. Ice-cream cones. 243,888; July 26.
Sherwin-Williams Company, The, Cleveland, Ohio. Varnishes, paint enamels, and lacquers. 173,679; July 26.
Siegel, Abe, New York, N. Y. Danish pastry. 248,732; July 26.
Silva-Bergtholdt Co., The, Newcastle, Calif. Fresh fruits. 210,411; July 26.
Skinner, Robert W., jr., Upper Gwynedd Township, Montgomery County, near North Wales, Pa. Farm products. 249,199; July 26.
Smithline, Herman, doing business as Hair-O-Neet Chemical Company, New York, N. Y. Hairdressing cream. 247,914; July 26.
Snappy Hat House, The. (See Weinfield, Alexander.)
Societa Italiana di Fonotipia, Milan, Italy. Talking machines, talking-machine records, sound boxes, etc. 240,688; July 26.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. 249,612; July 26.
Sparklets, Incorporated, New York, N. Y. Siphon bottles. 248,200; July 26.
Spaulding, Eleanor, A., Swampscott, Mass. Dolls. 250,945; July 26.
Spinal-Magnetto Co., San Diego, Calif. Electric treating pads. 246,936; July 26.
Spira, R. Richard, New York, N. Y. Toy aeroplane. 250,209; July 26.
Square Silk Mills, Inc., New York, N. Y. Crêpe de chine piece goods. 250,826; July 26.
Standard Biscuit Company, Des Moines, Iowa. Animal cookies, biscuits, butter flakes, cheese wafers, etc. 235,176; July 26.
Standard Oil Company (New Jersey), Bayonne, N. J. Oils. 246,717–8; July 26.
Steele and Johnson Mfg. Co., Waterbury, Conn. Dishwashers. 249,935; July 26.
Stewart-Warner Speedometer Corporation, Chicago, Ill. Sound amplifiers for radio receiving apparatus. 243,072; July 26.
Stom-Ulce Laboratories, Chicago, Ill. Medicine. 244,893; July 26.
Stover Signal Engineering Co., The, Wilmington, Del., and Racine, Wis. Electrical vehicle lamps. 242,151; July 26.
Strauss, Louis, Inc., San Francisco, Calif. Suits and overcoats. 248,064; July 26.
Studebaker Corporation, The, South Bend, Ind. Tire covers. 249,613; July 26.
Suncrest Flavor Co. Inc., New York, N. Y. Beverage sold as a soft drink and sirup for making the same. 237,425; July 26.
Swanfeldt Tent and Awning Company, Los Angeles, Calif. Awnings, tents, tarpaulins, and canopies. 225,149; July 26.
Teague-McKevett Company, Santa Paula, Calif. Oranges, lemons, and grapefruit. 250,870; July 26.
Three Rivers Growers Association, The, Kennewick, Wash. Fresh asparagus. 242,971; July 26.
Tildesley Coal Company, The, Cincinnati, Ohio. Coal. 232,633; July 26.
Tilton & Keeler Inc., New York, N. Y. Cotton goods and rayon and cotton mixtures, etc. 244,963; July 26.
Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Automatic projecting advertising machines. 245,167; July 26.
Tru-Lax Manufacturing Co. (See Blackstone Manufacturing Company.)
Tucco Corporation, Glen Rock, N. J. Appetizing and nourishing gravy made from beef, olive oil, etc. 248,867; July 26.
Turell, A. M., Fabrics Corporation, New York, N. Y. Silk fabrics. 250,050; July 26.
Turner & Vandam, Inc., New York, N. Y. All cotton, rayon and cotton, and silk and cotton fabrics. 250,724; July 26.
United Clay Products Corporation, Kansas City, Mo. Bricks and blocks. 249,449; July 26.
United Electrical Manufacturing Company, Adrian, Mich. Electrically-driven liquid mixers and electrical fans. 248,658; July 26.
Universal Glove Co., Toledo, Ohio. Cloth gloves. 246,519; July 26.
Urner & Gerber, Elizabeth, N. J. Rustproofing material. 247,401; July 26.
Valley Fruit and Vegetable Exchange. (See Hodge, W. T.)
Vanderbilt, R. T., Company, Inc., New York, N. Y. Selenium used as a secondary vulcanizing agent in the manufacture of rubber compounds. 250,656; July 26.
Varnish Products Co., Brooklyn, N. Y. Paints and varnishes. 247,581; July 26.
Verdier & Hardy, Inc., New York, N. Y. Hosiery. 250,271; July 26.
Vester, Alfred., Sons, Inc., Providence, R. I. Cigarette, cigar, and tobacco cases. 250,948; July 26.
Vollert & Lange, Brooklyn, N. Y. Golf game. 250,272; July 26.
W. W. Health Drinks, Inc., McAllen, Tex. Beverage sold as a soft drink. 250,449; July 26.
Waite, Ralph B., doing business as The Antidolor M'f'g. Co., Springville, N. Y. Dentrifices. 250,109; July 26.
Ward, A. W., doing business as Westward Dental Agencies, San Francisco, Calif. Dressing for protecting wounds in the mouth. 250,586; July 26.
Weinfield, Alexander, doing business as The Snappy Hat House, New Orleans, La. Ladies' hats. 249,877; July 26.
Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 247,983; July 26.
Western Coal & Coke Co., Milwaukee, Wis. Coal. 249,624; July 26.
Westward Dental Agencies. (See Ward. A. W.)
Whitman, Clarence, & Sons, Inc., New York, N. Y. Voile in the piece made of rayon. 249,764; July 26.
Whitten-Rader-Johnson Inc., Minneapolis, Minn. Coffee. 244,377; July 26.
Wilfred Laboratories, Inc., New York, N. Y. Toilet preparation. 232,107; July 26.
Wilkinson, Thaddeus H., doing business as Wilkinson Pharmacy, Winter Haven, Fla. Preparation for extermination of mosquitos, flies, etc. 250,658; July 26.
Williams, Henry C., doing business as Williams & Son, Sargent, Nebr. Preparation for kindling. 249,454; July 26.
Williamson, Robert M., doing business as Marshall Williamson & Co., Burley, near Brockenhurst, England. Arithmetical teaching devices. 248,737; July 26.
Winorr Canning Company, Circleville, Ohio. Canned vegetables. 248,607; July 26.
Winter, Oscar, Philadelphia, Pa. Table pads. 246,798; July 26.
Woll, F. P., & Co., Philadelphia, Pa. Hair for stuffing mattresses, furniture, and upholstery. 249,879; July 26.
Wolverton, Marie K., doing business as Riddo-Girms Chemical Company, Detroit, Mich. Tooth paste, liquid disinfectant, salve preparation, etc. 238,883; July 26.
Woodson, A. P., Co., Washington, D. C. Coal. 247,653; July 26.
Wright, Alfred., Perfumer, Inc., New York, N. Y. Talcum and face powders, bath salts, tooth powders, toilet water, etc. 239,606; July 26.
Wyner, I. A., & Co., Inc., New York, N. Y., doing business as Shawmut Woolen Mills, Stoughton, Mass. Knitted worsted jersey. 244,038; July 26.
Yorkshire Knitting Co., Inc., New York, N. Y. Knitted goods. 247,767; July 26.
Ziv Steel & Wire Company, Chicago, Ill. Drill and tool steel. 249,143; July 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Rubber goods. Faultless Rubber Company. 66,484; renewed Dec. 3, 1927.
Seeds, Agricultural and horticultural. Peter Henderson & Co. 66,183; renewed Nov. 12, 1927.

CLASS 4.

Polish, Stove. Black Silk Stove Polish Works. 62,972–3; renewed June 4, 1927.
Soap shaving cream. Klinker Manufacturing Co. 230,552; July 26.

CLASS 6.

Antiseptics. Forhan Company. 230,503; July 26; Serial No. 243,934; published May 10, 1927.
Ash, etc., Soda, white, and textile white. J. B. Ford Company. 230,548; July 26.
Calogreen. Mallinckrodt Chemical Works. 230,506; July 26; Serial No. 244,234; published May 10, 1927.
Compound used in dyeing, Color-setting. A. Elhardt Söhne. 64,669; renewed Aug. 20, 1927.
Creams, Cleansing and massaging. Freckle-Off Co. 230,459; July 26; Serial No. 246,545; published May 10, 1927.
Disinfectants for hands and the field of operation and a cosmetic for the skin. Pharmakon A. G. Chemische Fabrik. 230,493; July 26; Serial No. 243,013; published May 10, 1927.
Dyes. Roubaix Products Company. 230,458; July 26; Serial No. 246,572; published May 10, 1927.
Dyestuff. Badische Anilin and Soda Fabrik. 30,494; renewed Aug. 10, 1927.
Lotion, Eczema. W. Georges. 230,565; July 26.
Medicinal preparation. Hollander Bros. Drug Co. 230,525; July 26; Serial No. 246,682; published May 10, 1927.
Medicines. T. F. Laubach. 66,367; renewed Nov. 26, 1927.
Ointment. B & K Company. 230,496; July 26; Serial No. 243,339; published May 10, 1927.
Perfumes and cologne. M. Guerlain. 230,538; July 26; Serial No. 239,884; published May 3, 1927.
Perfumes, antipyretic and antineuralgic preparations, disinfectants, salicylic acid, and its derivatives. Basle Chemical Works Bindschedler. 30,297; renewed June 29, 1927.
Powder, Brown skin face, complexion, deodorant, talcum, etc. J. R. Watkins Company. 230,567; July 26.
Powder, cleansing cream, reducing cream, etc., Face massage. A. Ortegat. 230,553; July 26.
Preparation for the treatment of burns. L. Sutera. 230,508; July 26; Serial No. 244,520; published Apr. 26, 1927.
Preparation for the treatment of skin diseases. J. V. Ferris. 230,526; July 26; Serial No. 245,260; published May 10, 1927.
Remedy. Le Compte & Gayle Co. 65,638; renewed Oct. 15, 1927.
Salt. Smoked Salt Company. 230,542; July 26; Serial No. 241,117; published May 10, 1927.
Salt, Stock and table. Utility Salt Company. 65,037; renewed Sept. 3, 1927.
Skin bleach and beautifier. P. Agnost. 230,509; July 26; Serial No. 244,645; published May 10, 1927.
Tonic, Blood and nerve. Le Compte & Gayle Co. 64,681; renewed Aug. 20, 1927.

CLASS 7.

Metal goods. John A. Roebling's Sons Company. 65,491–2; renewed Oct. 8, 1927.

CLASS 8.

Pipes, cigar and cigarette holders, Smokers'. M. Alland. 230,480; July 26; Serial No. 245,881; published May 17, 1927.

CLASS 9.

Explosives, High. Eastern Dynamite Company. 65,647; renewed Oct. 15, 1927.
Matches. Plee-Zing Corporation. 230,492; July 26; Serial No. 242,963; published May 17, 1927.
Matches, Safety. Vulcan Match Co. 230,473; July 26; Serial No. 246,252; published May 17, 1927.

CLASS 10.

Fertilizers. Mountain Copper Company Limited. 66,273; renewed Nov. 19, 1927.
Fertilizers. F. W. Tunnell & Co. 66,601; renewed Dec. 17, 1927.
Fertilizers. U. S. Export Chemical Corporation. 230,530; July 26; Serial No. 228,281; published May 17, 1927.
Peat moss, Form of. Julius Loewith, Inc. 230,533; July 26; Serial No. 231,114; published May 10, 1927.

CLASS 12.

Masonry materials. H. H. Symmes Company. 65,441; renewed Sept. 24, 1927.
Tiles. Egbert Concrete Products, Inc. 230,558; July 26.

CLASS 13.

Brass ware and pewter ware, Gift articles comprising. M. A. Billington. 230,536; July 26; Serial No. 237,062; published May 17, 1927.
Casters. Colson Stores Company. 230,572; July 26.
Couplings for hose. Gurnard Manufacturing Company. 230,571; July 26.
Metal angles, metal arrows, bells for toys, dog collars, etc. Edwin B. Stimpson Company. 230,527; July 26; Serial No. 185,156; published May 10, 1927.
Nails. American Steel and Wire Company of New Jersey. 230,478; July 26; Serial No. 245,952; published May 17, 1927.
Nails. Benjamin Hobert Company. 64,347; renewed Aug. 6, 1927.
Pressure regulators, combustion controls, tank valves, etc. Julian D'Este Company. 230,461; July 26; Serial No. 246,482; published May 17, 1927.
Strainers, Coffee, tea, soup, and jelly. Utility Manufacturing Company. 230,482; July 26; Serial No. 245,818; published May 17, 1927.

CLASS 14.

Copper in ingots, bars, and in other unmanufactured forms. Mountain Copper Co. 30,929; renewed Nov. 30, 1927.
Metals, Bearing. Premium Metal & Packing Co. 230,556; July 26.
Metals, lead, babbitt, etc. American Smelting & Refining Company. 230,547; July 26.
Wire. John A. Roebling's Sons Company. 65,493; renewed Oct. 8, 1927.
Wire. John A. Roebling's Sons Company. 65,528; renewed Oct. 8, 1927.

CLASS 15.

Oils and greases and lubricating compounds, Lubricating and cutting. Universal Oil Co. 64,562; renewed Aug. 13, 1927.
Oils and greases, Illuminating and lubricating. Galena-Signal Oil Co. 65,197; renewed Sept. 10, 1927.
Oils, Lubricating. Galena-Signal Oil Co. 65,994; renewed Nov. 5, 1927.
Oils, Lubricating. Galena-Signal Oil Co. 66,154; renewed Nov. 12, 1927.

CLASS 16.

Cleaning and polishing preparation. I-Sis Laboratories, Inc. 230,512; July 26; Serial No. 246,684; published May 10, 1927.
Paint. W. D. Craig. 62,952; renewed June 4, 1927.
Paint, Asphaltum. Sterling Products Company. 230,498; July 26; Serial No. 243,510; published May 10, 1927.
Paint enamels, varnishes, wood stains, etc. Pratt & Lambert, Inc. 230,485; July 26; Serial No. 245,452; published May 10, 1927.
Paint enamels, varnishes, wood stains, etc. Pratt & Lambert, Inc. 230,486; July 26; Serial No. 245,450; published May 10, 1927.
Paint in ready-mixed form, Waterproof. Wm. Anderson Co. 230,490; July 26; Serial No. 245,314; published May 10, 1927.
Paints and varnishes, Thinners for. Groton Chemical Co. 230,502; July 26; Serial No. 243,855; published May 10, 1927.
Paints, varnish primer, and paint enamel. W. P. Fuller & Co. 230,507; July 26; Serial No. 244,299; published May 10, 1927.
Polish. H. T. Crawford. 230,529; July 26; Serial No. 226,847; published May 10, 1927.
Waxy preparation for cleaning and polishing floors, woodwork, and furniture. R. E. Briggs. 230,566; July 26.

CLASS 17.

Cigars. Newman Cigar Co. 230,487; July 26; Serial No. 245,449; published May 10, 1927.
Cigars. R. S. Tatum, jr. 230,454; July 26; Serial No. 246,646; published May 17, 1927.
Cigars. Yocum Bros., Inc. 230,463–4; July 26; Serial Nos. 246,457–8; published May 17, 1927.
Tobacco, Smoking. Zorro Tobacco Co. Inc. 230,511; July 26; Serial No. 247,112; published May 17, 1927.

CLASS 19.

Automobile seat covers. Hampden Auto Top and Metal Company. 230,476; July 26; Serial No. 246,157; published May 17, 1927.
Automobiles. Delage & Cie. 230,570; July 26.
Automobiles. Elcar Motor Company. 230,510; July 26; Serial No. 244,921; published May 17, 1927.
Vehicle bodies and parts thereof. Hoover Body Company. 230,519; July 26; Serial No. 246,902; published May 17, 1927.
Vehicle bodies and parts thereof. Hoover Body Company. 230,520; July 26; Serial No. 246,904; published May 17, 1927.

CLASS 20.

Linoleum. Lisher & Ratto. 230,535; July 26; Serial No. 231,937; published May 17, 1927.

CLASS 21.

Insulated elastic wire and cables. John A. Roebling's Sons Company. 63,878; renewed July 9, 1927.
Insulated wires, cables and cords. W. M. Habirshaw. 64,166; renewed July 30, 1927.

CLASS 22.

Baits, Artificial. James Heddon's Sons. 230,453; July 26; Serial No. 246,679; published May 10, 1927.
Dolls. Curtiss Candy Company. 230,497; July 26; Serial No. 243,423; published May 17, 1927.
Dolls and doll-playpen sets. Strauss-Eckardt Co. 230,522; July 26; Serial No. 246,987; published May 17, 1927.
Fishing lines. Cortland Line Co. Inc. 230,457; July 26; Serial No. 246,600; published May 10, 1927.
Fishing-tackle boxes. Outing Manufacturing Company. 230,544; July 26; Serial No. 242,962; published May 10, 1927.
Golf balls. Draper-Maynard Company. 230,462; July 26; Serial No. 242,408; published May 10, 1927.
Rubber articles. Faultless Rubber Company. 66,468; renewed Dec. 3, 1927.
Toy guns. Tiddywoods Toy Company. 230,516; July 26; Serial No. 246,785; published May 10, 1927.
Toy horns, kites, whistles, caps, balloons, baseballs, etc. H. H. Snovel. 230,471; July 26; Serial No. 246,314; published May 10, 1927.
Toys, Sheet-metal. E. H. Chein. 230,534; July 26; Serial No. 232,993; published May 17, 1927.

CLASS 23.

Beam heads, Pressed steel. American Pulley Company. 230,562; July 26.
Hangers, Pressed steel. American Pulley Company. 230,561; July 26.
Lawn mowers. Peter Henderson & Co. 66,207; renewed Nov. 12, 1927.
Pulleys, Steel split. American Pulley Company. 230,559; July 26.
Saws. Simonds Saw and Steel Company. 230,563; July 26.
Tools, Edge. G. W. Bradley's Sons. 66,584; renewed Dec. 17, 1927.

CLASS 24.

Ironing-board pads and covers. Lamco Products Co. 230,521; July 26; Serial No. 246,913; published May 17, 1927.
Wash boilers, wash-boiler covers, washtubs, and clothes sprayers. Republic Metalware Co. 230,514; July 26; Serial No. 246,775; published May 17, 1927.
Washing machines. Kaufmann Department Stores, Inc. 230,531; July 26; Serial No. 228,911; published May 10, 1927.

CLASS 26.

Ophthalmic mountings. Bay State Optical Co. 230,568; July 26.

CLASS 29.

Brushes. Pro-Phy-Lac-Tic Brush Company. 230,484; July 26; Serial No. 245,581; published May 10, 1927.

CLASS 32.

Chairs, settees, stools, and tables, Household and office. C. T. Murphy. 230,555; July 26.

CLASS 34.

Air conditioners, coolers, and dehumidifiers. Bentz Engineering Corporation. 230,560; July 26.
Boilers. Kewanee Boiler Company. 30,776–7; renewed Oct. 26, 1927.
Candlesticks, stovepipe thimbles, flue stoppers, etc. Republic Metalware Co. 230,515; July 26; Serial No. 246,777; published May 17, 1927.
Heaters, air and gas mixers, furnaces, etc., Gas-burning water. Geo. D. Roper Corporation. 230,546; July 26; Serial No. 225,804; published May 17, 1927.
Heating-system devices. Tuttle & Bailey Manufacturing Company. 230,551; July 26.
Oil burners. G. E. Custer. 230,483; July 26; Serial No. 245,696; published May 17, 1927.
Radiation and radiators. Lincoln Radiator Corporation. 230,479; July 26; Serial No. 245,915; published May 17, 1927.
Stoves, ranges, and furnaces, and parts thereof. Prizer-Painter Stove Works. 230,475; July 26; Serial No. 246,177; published May 17, 1927.
Valves, Radiator. Eureka Brass Works Company. 230,569; July 26.

CLASS 35.

Rubber patches. F. H. Rogers. 230,550; July 26.

CLASS 37.

Paper, Safety. George La Monte & Son. 66,452–3; renewed Nov. 26, 1927.

CLASS 38.

Newspapers. Washington Post Company. 66,538; renewed Dec. 10, 1927.
Periodical. Merck & Co. 63,712; renewed July 2, 1927.

CLASS 39.

Boots and shoes, Leather. Selz, Schwab & Company. 66,674; renewed Dec. 17, 1927.
Boots and shoes, Rubber. Wm. H. Walker & Company. 63,843; renewed July 9, 1927.
Braces and suspenders, Shoulder. P. Bailly & Cie. 63,356–7; renewed June 18, 1927.
Braces and suspenders, Shoulder. P. Bailly & Cie. 63,771; renewed July 9, 1927.
Braces and suspenders, Shoulder. P. Bailly & Cie. 63,800–1; renewed July 9, 1927.
Clothing. F. A. Patrick & Co. 65,672; renewed Oct. 15, 1927.
Footwear. A. G. Spalding & Bros. 64,121; renewed July 23, 1927.
Sweaters. George E. Wye Company. 63,393; renewed June 18, 1927.

CLASS 40.

Straps for wrist watches, Leather. Gruen Watch Company. 230,573; July 26.

CLASS 42.

Cotton fabrics. Mount Hope Finishing Company. 65,945; renewed Oct. 29, 1927.
Cotton piece goods, silk piece goods, etc. Palais Royal, Inc. 230,504; July 26; Serial No. 244,100; published May 17, 1927.
Covers, Card-table. York Manufacturing Co. 230,540; July 26; Serial No. 240,119; published May 17, 1927.
Goods, Piece. Amazon Knitting Company. 230,489; July 26; Serial No. 245,336; published May 17, 1927.
Napkins of cotton, linen, and cotton and linen. Manville Jenckes Company. 230,477; July 26; Serial No. 246,102; published May 17, 1927.
Rugs and floor coverings, Textile. T. Develon, jr. 230,467; July 26; Serial No. 246,395; published May 17, 1927.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 230,518; July 26; Serial No. 246,897; published May 17, 1927.
Silk goods in the piece. C. K. Eagle & Co. 230,481; July 26; Serial No. 245,832; published May 17, 1927.
Textiles. China & Japan Trading Company. 63,488; renewed June 25, 1927.
Ticking. American Importing Company. 230,537; July 26; Serial No. 239,840; published May 17, 1927.
Woolen goods. S. Stein & Co. 230,513; July 26; Serial No. 246,719; published May 17, 1927.

CLASS 43.

Cotton or sewing thread, Spool. Blodgett & Orswell Co. 66,405; renewed Dec. 3, 1927.

CLASS 44.

Surgical goods. Faultless Rubber Company. 66,485; renewed Dec. 3, 1927.
Thermophores. V. Mueller & Co. 230,554; July 26.

CLASS 45.

Beverage sold as a soft drink. Kooler Co. 230,539; July 26; Serial No. 240,080; published May 17, 1927.
Beverages. Sears & Derr Company. 230,455; July 26; Serial No. 246,640; published May 10, 1927.
Beverages and flavoring materials for making the same. Sears & Derr Company. 230,456; July 26; Serial No. 246,639; published May 10, 1927.
Beverages sold as soft drinks. Hoffman Beverage Co. 230,494; July 26; Serial No. 243,155; published May 17, 1927.
Beverages sold as soft drinks. Salt Lake Coca-Cola Bottling Co. 230,474; July 26; Serial No. 246,232; published May 10, 1927.
Beverages sold as soft drinks. Whistle Bottling Co. 230,472; July 26; Serial No. 246,256; published May 10, 1927.
Ginger ale. Woolner Brewing Company. 230,499; July 26; Serial No. 243,636; published May 10, 1927.
Ginger ale, Bottled. Schueler-Stamford, Incorporated. 230,557; July 26.

CLASS 46.

Bread. R. M. Destel. 230,564; July 26.
Candy. Bunte Brothers. 230,469; July 26; Serial No. 246,386; published May 17, 1927.
Candy. Bunte Brothers. 230,517; July 26; Serial No. 246,814; published May 17, 1927.
Candy. Flavour Candy Co. 230,460; July 26; Serial No. 246,544; published May 10, 1927.
Candy. E. A. Hoffman Candy Co. Inc. 230,495; July 26; Serial No. 243,212; published May 17, 1927.
Candy. Henry Maillard, Inc. 230,545; July 26; Serial No. 247,370; published May 17, 1927.
Candy. Fannie May Candy Co. Inc. 230,523; July 26; Serial No. 247,008; published May 17, 1927.
Candy, biscuits, chocolate, cocoa, etc. R. Chevallier-Appert. 230,501; July 26; Serial No. 243,840; published May 17, 1927.
Canned clams. Pacific Sea Foods Co. 230,524; July 26; Serial No. 247,036; published May 17, 1927.
Canned fruits and vegetables. Sprague, Warner & Co. 230,465; July 26; Serial No. 246,444; published May 17, 1927.

Canned salmon. Shepard Point Packing Co. 230,466; July 26; Serial No. 246,441; published May 17, 1927.
Canned sardines. Bivar & Ca. 230,470; July 26; Serial No. 246,385; published May 17, 1927.
Cocoa, chocolate, cakes, etc. Cadbury Brothers, Limited. 230,468; July 26; Serial No. 246,387; published May 17, 1927.
Coffee. In-A-Door Coffee Company of Missouri. 230,491; July 26; Serial No. 247,131; published May 17, 1927.
Flour, Wheat. Washburn Crosby Company. 66,063; renewed Nov. 5, 1927.
Fowls, eggs, and cans of frozen eggs, Dressed. F. C. Pennington Produce Company. 230,505; July 26; Serial No. 244,104; published Apr. 19, 1927.
Fruits and vegetables, marmalades, and jams, Conserved. Conservenfabrik Lenzburg vorm. Henckell & Roth. 230,528; July 26; Serial No. 226,098; published May 17, 1927.
Oats, Rolled. Albert Bros. Milling Co. 66,616; renewed Dec. 17, 1927.
Oranges, Fresh. Redlands Orange Growers' Association. 230,543; July 26; Serial No. 241,439; published May 17, 1927.
Pears and grapes, Fresh. E. Bonzi. 230,541; July 26; Serial No. 241,388; published May 17, 1927.
Pickles, catchup, mustard, etc. California Conserving Company. 230,549; July 26.
Sausage. Louis Burk, Inc. 230,488; July 26; Serial No. 245,420; published May 17, 1927.
Watermelons. Leonard, Crosset & Riley. 230,532; July 26; Serial No. 230,247; published May 17, 1927.

CLASS 48.

Malt extracts. Kathreiner's Malzkaffee-Fabriken Gesellschaft mit beschränkter Haftung. 30,625–6; renewed Oct. 5, 1927.

CLASS 49.

Brandy and liqueurs. Successori Nicolini & Venesia. 230,500; July 26; Serial No. 243,791; published May 17, 1927.

CLASS 50.

Objects of art and ornament. Gorham Mfg. Company. 64,915; renewed Aug. 27, 1927.

ALPHABETICAL LIST OF LABELS.

Aunt Edna's. For Candy. E. H. Hacker. 32,490; July 26.
Bama's Syrup. For Sirup. Tuscaloosa Syrup Co. 32,497; July 26.
Chocolate Pickaninnies. For Cakes. C. M. Pitt & Sons Company. 32,496; July 26.
Cox's Corn Remover. For Corn Remover. J. E. Cox. 32,485; July 26.
Directions. For Kilrust. C. Deedera. 32,486; July 26.
Hostess Package. For Ginger Ale. Canada Dry Ginger Ale, Incorporated. 32,484; July 26.
Hot Chips. For Cooked Sliced Potatoes, Called Hot Chips. Yo-Ho Pure Food Products Co. 32,500; July 26.
Kelly's. For Canned Pineapple Jam. Munro, Ltd. 32,495; July 26.
Mahan Pecan Tree. For Mahan Pecan Trees. Monticello Nursery Company. 32,494; July 26.
Marie-Dana Candies. For Homemade Candies. Marie-Dana Billon. 32,493; July 26.
Milk Bone Crumbs. For Food for Cats, Kittens, Puppies, and Toy Dogs. F. H. Bennett Biscuit Co. 32,483; July 26.
Oh Henry! For Candy. Williamson Candy Company. 32,499; July 26.
Quercus Ranch Brand. For Bartlett Pears. M. M. Gopcevic. 32,489; July 26.
Rowlew Magic Kleaner. For a Cleaning Preparation. Mrs. J. F. Lewis. 32,492; July 26.
S. M. A. For Food Product for Infants. Laboratory Products Company. 32,491; July 26.
Sandwich. For Pickles. Gladbrook Packing Co. 32,488; July 26.
The Label of the Original Plumbing Shop on Wheels Guarantees Quality. On Our Trucks. For Trucks. W. E. Avril. 32,482; July 26.
Truth Brand. For Malt Sirup. W. W. Garfinkel. 32,487; July 26.
Willow Grove. For Butter. M. Wildstein. 32,498; July 26.

ALPHABETICAL LIST OF PRINTS.

A Load For Every Purpose. A Shell for Every Purse. For U S Shot Shells. U. S. Cartridge Co. 10,088; July 26.
Baker's Moist Coconut. For Baker's Coconut. Franklin Baker Co. 10,084; July 26.
New—A Master Selling Idea—New—Set it in Motion. For Gas Ranges. Geo. D. Roper Corporation. 10,086; July 26.
The Origin of the Jigger Boo Stick. For Staybolt Iron. G. B. West. 10,089; July 26.
The Right Paper For The Purpose. For Eagle-A Papers. American Writing Paper Co. Inc. 10,083; July 26.
Today Only. For Publications. T. D. Taylor. 10,087; July 26.
You Can Thank "Jim" Dole For Canned Hawaiian Pineapple. For Hawaiian Pineapple. Hawaiian Pineapple Company. 10,085; July 26.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Carbons, Absorptive. H. C. Bugbird. 246,149; July 26.
Coal. J. Edward Hibline Co. 250,174; July 26.
Coal. Monitor Coal & Coke Company. 247,486; July 26.
Coal. Monitor Coal & Coke Company. 247,487; July 26.
Coal. Southern Coal Company. 249,612; July 26.
Coal. Tildesley Coal Company. 232,633; July 26.
Coal. Western Coal & Coke Co. 249,624; July 26.
Coal. A. P. Woodson Co. 247,653; July 26.
Ice. General Public Utilities Company. 245,979; July 26.
Kindling, Preparation for. H. C. Williams. 249,454; July 26.
Leather. Helburn Thompson Company. 249,521; July 26.
Leather, Sole. Elkert Bros. Tanning Company. 249,269; July 26.
Plastic modeling material. B. Goldenhorn. 247,011; July 26.
Plastic modeling material. B. Goldenhorn. 247,015; July 26.
Skins, Fur calf. Barnet Leather Co. 249,037; July 26.

CLASS 2.

Bottles, Siphon. Sparklets, Incorporated. 248,200; July 26.

CLASS 3.

Hame tug, Reversible. T. W. Owens. 250,321; July 26.
Pocketbooks, key cases, cigarette cases, etc. H. E. Rice Company. 248,594; July 26.

CLASS 4.

Cleaning compound. Amazine Products Co. 248,026; July 26.
Cleansing compound. A. Cody. 248,282; July 26.
Dressing for auto tops, Black. Binghamton Water Proofing Company. 247,309; July 26.
Polish, Metal. F. F. Ostrander. 248,243; July 26.
Soap. Buck and Rayner. 243,413; July 26.
Soap. Parke, Davis & Company. 250,473; July 26.
Soap flakes. J. H. Berry. 247,162; July 26.
Soap flakes. Colgate & Company. 250,013; July 26.
Soap, Powdered hand. M. A. Hanson. 247,614; July 26.
Soaps, toilet, shaving-cream, etc., soaps, Laundry. Mark W. Allen & Co. 249,882; July 26.

CLASS 6.

Antiseptic. A. T. Reed. 250,820; July 26.
Aspirin, Tablets of. Blackstone Manufacturing Company. 249,699; July 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Astringents, astringents cerates, bleach creams, etc. A. A. Goutal. 249,720; July 26.
Cake, Lax-A-Cake Company. 250,311; July 26.
Chemical emulsifying agents. I. G. Farbenindustrie Aktiengesellschaft. 243,484; July 26.
Chemical preparation. Bird-Archer Company. 249,110; July 26.
Cream, Hairdressing. H. Smithline. 247,914; July 26.
Creams, liquids, pastes, powders, etc. May Department Stores Company. 249,079; July 26.
Dentifrice. Foamadent Co. 250,234; July 26.
Dentifrices. R. B. Waite. 250,109; July 26.
Dressing for protecting wounds in the mouth A. W. Ward. 250,586; July 26.
Laxative. A. E. Ely. 250,914; July 26.
Laxative tablets. Lanman & Kemp, Inc. 250,625; July 26.
Lotion, Skin. Daggett & Ramsdell. 249,893; July 26.
Medicine. Stom-Ulce Laboratories. 244,993; July 26.
Oil, Specially-treated. H. & B. Textile Chemical Corporation. 249,171; July 26.
Ointment. D. A. Ortega. 250,631; July 26.
Perfumes and toilet waters. Henri Bendel Inc. 250,395; July 26.
Perfumes, toilet water, toilet powders, etc. Raquel Incorporated. 249,294; July 26.
Phenolic condensation compounds. Colt's Patent Fire Arms Manufacturing Co. 250,676; July 26.
Pills. Edmanson, Bates & Co. Ltd. 248,480; July 26.
Powders, bath salts, tooth powders, toilet water, etc., Talcum and face. Alfred Wright, Perfumer, Inc. 239,606; July 26.
Preparation for expelling worms from hogs, etc. H. M. Lux. 249,977; July 26.
Preparation for stiffening animal textile material. H. & B. Textile Chemical Corporation. 249,170; July 26.
Preparation for the extermination of mosquitos, flies, etc. T. H. Wilkinson. 250,658; July 26.
Preparation for the relief of headache, etc. W. A. Mahoney. 244,456; July 26.
Remedy, Pile. A. E. Ely. 250,915; July 26.
Salve. Albert G. Groblewski & Co. 250,918; July 26.
Salve and lotion for external use. W. R. Munro. 250,855; July 26.
Selenium. R. T. Vanderbilt Company. 250,656; July 26.
Toilet preparations. Wilfred Laboratories, Inc. 232,107; July 26.
Tonic, Hair. A. Ortegat. 247,748; July 26.
Tonic, Skin. A. Ortegat. 247,747; July 26.
Tooth paste. Nature's Toothpaste Corporation. 250,856; July 26.
Tooth paste, liquid disinfectant, salve preparation, etc. M. K. Wolverton. 238,883; July 26.

CLASS 7.

Rope drilling cables, Wire-. Broderick & Bascom Rope Company. 235,729; July 26.

CLASS 8.

Cigarette, cigar, and tobacco cases. Alfred Vester Sons, Inc. 250,948; July 26.

CLASS 9.

Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. 246,210; July 26.

CLASS 10.

Fertilizer or pulverized animal manure, Ground animal. A. L. Bachrodt. 237,773; July 26.

CLASS 12.

Brick and blocks. United Clay Products Corporation. 249,449; July 26.
Bricks, Refractory. Seaboard Refractories Company. 238,529; July 26.
Builders' products. Hatch & Bailey Company. 242,430; July 26.
Building stone. Calduro Memorial Corporation. 231,584; July 26.
Calking. Chamberlin Metal Weather Strip Company. 243,081; July 26.
Construction materials. Construction Supplies Company of America. 239,240; July 26.
Jackets or casings. Heat-insulating. Sands Manufacturing Company. 248,975; July 26.
Marble. Daniel M. Rader, Inc. 231,811; July 26.
Roofing felt and roofing paper, prepared roofing, shingles, etc., Flintkote Company. 239,028; July 26.
Shingles. Richardson Company. 232,606; July 26.
Shingles and roofing, Asphalt. Flintkote Company. 247,340; July 26.
Shingles and roofing, Asphalt. Flintkote Company. 247,942; July 26.
Shingles, Asbestos. Lehon Company. 248,414–15; July 26.
Window sashes and parts thereof. Nu Way Window Sash Co. 248,785; July 26.

CLASS 13.

Compression bibs and stops, P traps, connected and waste overflow, bath cocks, etc. Construction Supplies Company of America. 239,239; July 26.
Dishwashers. Steele and Johnson Mfg. Co. 249,935; July 26.

CLASS 14.

Bearing metals. Premium Metal & Packing Co. 248,790–7; July 26.
Metals, Bearing. Premium Metal & Packing Co. 249,599; July 26.
Nonferrous metals, lead, babbitt, etc. American Smelting & Refining Company. 225,539; July 26.
Nonferrous metals, lead, babbitt, etc. American Smelting & Refining Company. 225,543; July 26.
Stapling wire, Galvanized. Acme-Steel Company. 250,346; July 26.
Steel, Drill and tool. Ziv Steel & Wire Company. 249,143; July 26.
Steel forgings. Heppenstall Forge & Knife Company. 249,523; July 26.

CLASS 15.

Gasoline, kerosene, lubricating oils and greases, etc. Arbuthnot Oil Company. 248,983; July 26.
Oil, gasoline, kerosene, etc. Beaver Oil Company. 246,587; July 26.
Oil, Lubricating. International Harvester Company. 233,935; July 26.
Oils. Standard Oil Company (New Jersey). 246,717–18; July 26.
Oils and greases. Blackhawk Petroleum Co. 243,525–6; July 26.
Oils and greases. Blackhawk Petroleum Co. 243,584; July 26.

CLASS 16.

Detergent and polishing liquids. Buffalo Specialty Company. 225,995; July 26.
Glazing liquid and mixing oil for paint. John Lucas & Co. 249,976; July 26.
Paint. John Lucas & Co. 249,975; July 26.
Paints. A. Sartorius & Co. Inc. 248,800; July 26.
Paints and varnishes. Varnish Products Co. 247,581; July 26.
Pigments, Dry earth. Reichard-Coulston Inc. 247,099; July 26.
Rustproofing material. Urner & Gerber. 247,401; July 26.
Varnishes, paint enamels, and lacquers. Sherwin-Williams Company. 173,679; July 26.
Varnishes, paints, paint enamels, etc. G. M. Johnson. 249,177; July 26.

CLASS 17.

Cigars. H. F. Fidler & Co. 250,073; July 26.
Cigars and cigarettes. B. O'Conor. 249,482–3; July 26.

CLASS 19.

Vehicle bodies. Murray Corporation of America. 249,365–6; July 26.

CLASS 21.

Electric bench machines, Portable. Heston & Anderson. 248,298; July 26.
Electric coffee and tea pots and percolators, dishwashing machines, vacuum cleaners, etc. Buckley, Newhall Company. 241,084; July 26.
Electric conductor and resistance materials. Gebrüder Siemens & Company. 244,300; July 26.
Electric controls for electric switches, etc. Federal Gauge Company. 246,471; July 26.
Electric controls for electric switches, etc. Federal Gauge Company. 248,294; July 26.
Electric controls for electric switches, temperature-operated electric switches, etc. Federal Gauge Company. 241,814; July 26.
Electric fruit-juice extractors. California Fruit Growers Exchange. 249,510; July 26.
Electrical receptacles, lighting fixtures, and parts thereof. Pass & Seymour, Inc. 249,019; July 26.
Electrically-driven liquid mixers and electrical fans. United Electrical Manufacturing Company. 248,658; July 26.
Flatirons, Electric. Chicago Flexible Shaft Company. 242,091; July 26.
Generator-brush holders, battery cables, generator housings, etc. R. G. Lafte. 247,376; July 26.
Lighters and dispensers for cigars, etc. American Metal Products Corporation. 248,804; July 26.
Radio vacuum tubes. A. F. Henninger Corporation. 240,522; July 26.
Saws and hand markers. H & H Scribe Saw Company. 227,348; July 26.
Sound amplifiers. Stewart-Warner Speedometer Corporation. 243,072; July 26.
Vacuum cleaners, Air-heater attachment for. Electric Vacuum Cleaner Company. 243,753; July 26.
Vehicle lamps, Electrical. Stover Signal Engineering Co. 242,151; July 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 22.

Baits, Artificial. James Heddon's Sons. 233,442; July 26.
Dolls. E. A. Spaulding. 250,945; July 26.
Game, Golf. Vollert & Lange. 250,272; July 26.
Games. E. Dodge. 223,838; July 26.
Targets. National Rifle Association. 250,472; July 26.
Tennis rackets. Little Frères. 250,558; July 26.
Toy aeroplane. R. R. Spira. 250,209; July 26.
Toy aeroplanes, Mechanical. J. Chein & Co. 250,010; July 26.
Toy automobiles. Aluminum Industries, Inc. 250,006; July 26.
Toys. McDowell Manufacturing Co. 230,559; July 26.

CLASS 23.

Beverage dispensing and vending machines. Automatic Soda Dispensing Corporation. 231,895; July 26.
Clamps, Casing. W. C. Norris. 244,236; July 26.
Dispensing machines and parts thereof, Beverage. Founteria Manufacturing Company. 250,610; July 26.
Engine-driven fire apparatus. American Lafrance Fire Engine Company. 249,109; July 26.
Engines, etc., and parts, Internal-combustion. Continental Motors Corporation. 248,675; July 26.
Files. Carver File Company. 245,532; July 26.
Oil-well drives and counterweighted disks on the drive. Link-Belt Company. 250,465; July 26.
Printing presses, etc., Rollers for. Ideal Roller and Manufacturing Company. 244,447; July 26.
Razors. K. C. Seelbach Company. 250,570–1; July 26.
Road scrapers, road rollers, etc. American Road Machinery Company. 228,398; July 26.
Scales. Phila. Scoop & Scale Mfg. Co. 232,882–3; July 26.
Stroppers, Mechanical and automatic. Quality Specialty Mfg. Co. 234,150; July 26.

CLASS 24.

Washing machines, Clothes-. Associated Devices Corporation. 243,576; July 26.

CLASS 26.

Gauges and attachments therefor, Dimension. Pratt & Whitney Company. 250,637; July 26.
Photographic developing papers, Sensitized. Haloid Company. 249,172; July 26.
Projecting advertising machines, Automatic. Trans-Lux Daylight Picture Screen Corporation. 245,167; July 26.
Stereopticons, optical projecting instruments, etc. H. Newman. 250,756; July 26.

CLASS 27.

Watch movements. J. Goldberg. 245,091; July 26.
Watches, watch parts, etc. Didisheim-Goldschmidt Fils et Cie., Fabrique Juvenia. 241,936; July 26.

CLASS 28.

Jewelry. O. Pennino. 248,590; July 26.
Rings, bar pins, scarf pins, etc. Katz & Ogush, Inc. 249,357; July 26.
Vanity cases. Associated Attleboro Manufacturers Inc. 249,830; July 26.

CLASS 29.

Brushes. S. M. Edison. 250,401; July 26.

CLASS 30.

Pottery and porcelain. Pickard Studios, Incorporated. 226,373; July 26.

CLASS 31.

Refrigeration counters. E. Platten. 247,444; July 26.

CLASS 32.

Hair. F. P. Woll & Co. 249,879; July 26.
Table tops. Kompass & Stoll Company. 232,139; July 26.

CLASS 34.

Candlesticks, sconces, etc. Roycrofters. 246,438; July 26.
Cigar lighters. Henry Lederer Bros. Inc. 248,914; July 26.
Heaters, Hot-air. Majestic Company. 245,738; July 26.
Heaters, wall gas heaters, etc., Radiant gas. Pacific Gas Radiator Company. 240,995; July 26.
Heating devices. F. W. Shepler. 214,280; July 26.
Lighters, tinder boxes, etc., Pocket. J. Ferdinand-Dreyfus. 246,956; July 26.
Stovepipes. Parkersburg Iron and Steel Co. 248,191; July 26.

CLASS 35.

Tire covers. Studebaker Corporation. 249,613; July 26.

CLASS 36.

Banjos and strings, bridges, etc. W. L. Lange. 248,638; July 26.
Sound boxes and tone arms, Phonograph. J. A. Fischer Company. 250,403; July 26.
Strings for violins, etc. Muller & Kaplan. 248,645; July 26.
Talking machines, talking-machine records, sound boxes, etc. Societa Italiana Di Fonotipia. 240,688; July 26

CLASS 37.

Boards of paper or flongs. L. S. Dixon & Co. 231,530; July 26.
Books and accounting forms, Accounting. C. R. Bryant. 245,080; July 26.
Glassine, waxed paper, and combination of waxed glassine paper. Newark Paraffine and Parchment Paper Co. 243,061; July 26.
Music, Covers for sheet. S. Manus. 247,902; July 26.
Paper. Peck Engraving Company. 224,418; July 26.
Paper. Reversible Collar Company. 247,571; July 26.
Paper, Toilet. Hoberg Paper & Fibre Company. 248,687; July 26.
Paper, Writing. J. G. Hutchison & Company. 249,725; July 26.
Pencils, Lead. Eberhard Faber Pencil Company. 249,895; July 26.

CLASS 38.

Booklets and sheets, Printed. A. Rosenberg. 245,227; July 26.
Cartoon strips. S. J. Hershfield. 250,124–6; July 26.
Cartoons. F. D. Miller. 247,625; July 26.
Directories. Musical American Company. 250,090; July 26.
Magazine. Fiction House, Inc. 249,897; July 26.
Mottoes, Gift. Buzza Company. 234,371; July 26.
Photographs. B. H. Craine. 246,818–19; July 26.

CLASS 39.

Caps, Men's, boys', and children's. S. Judelle. 249,178; July 26.
Coats, suits, and dresses. Copelof, Stillman & Co. 250,115; July 26.
Coats, suits, dresses, and frocks. Abraham & Straus, Inc. 245,041; July 26.
Corsets. Abraham & Straus, Inc. 239,214; July 26.
Dresses. Ebon Dress Company. 249,268; July 26.
Dresses. W. Moore. 249,363; July 26.
Gloves. Seattle Dry Goods Company. 248,865; July 26.
Gloves, Cloth. Universal Glove Co. 246,519; July 26.
Hats. Consolidated Millinery Company. 249,329; July 26.
Hats. Consolidated Millinery Company. 249,341; July 26.
Hats. De Clay Hats, Inc. 245,896; July 26.
Hats, Ladies'. A. Weinfeld. 249,877; July 26.
Hosiery. Harry Fink & Company. 248,569; July 26.
Hosiery. Real Silk Hosiery Mills. 248,593; July 26.
Hosiery. Rufus W. Scott Company. 250,146; July 26.
Hosiery. Verdier & Hardy, Inc. 250,271; July 26.
Hosiery and underwear. M. Baron. 246,728; July 26.
Hosiery and underwear. Bethlehem Textiles Co. 249,461; July 26.
Hosiery, shirts, etc. A. E. Eggers. 245,623; July 26.
Insole for shoes. National Garter Co. 250,516; July 26.
Neckties. Scheftels & Simson Company. 250,041; July 26.
Neckties, mufflers, and Ladies' scarfs, Men's knitted. A. Abood. 249,631; July 26.
Outer garments, etc., Men's, boys' and children's. Cohen, Goldman & Co. Inc. 249,706; July 26.
Pants, Rubber. Marshall Field & Company. 248,560; July 26.
Shoes. D. Armstrong & Co. 250,056; July 26.
Shoes. Bates-Dow Company, Inc. 228,353; July 26.
Shoes. Alfred Johnson Skate Co. 249,252; July 26.
Shoes. Melville Shoe Corporation. 248,703; July 26.
Shoes. People's Shoe Stores Company. 249,920; July 26.
Shoes, Women's leather and fabric. Charles Meis Shoe Manufacturing Co. 249,839; July 26.
Soles and heels for boots and shoes. Marathon Rubber Company. 223,138; July 26.
Suits and overcoats. Morris Saffer & Sons. 246,310; July 26.
Suits and overcoats. Louis Straus, Inc. 248,064; July 26.
Sweaters, coat sweaters, etc., slip-over. Yorkshire Knitting Co. 247,767; July 26.
Underwear. Cluett, Peabody & Co. 249,571; July 26.
Underwear, Children's knit ribbed. Cartersville Mills, Incorporated. 249,113; July 26.

CLASS 40.

Pins, Safety. Sears, Roebuck and Co. 237,826; July 26.
Wigs. G. H. Colson. 246,596; July 26.

CLASS 41.

Umbrellas, umbrella ribs and frames. Follmer Clogg & Co. 237,230; July 26.

CLASS 42.

Cotton, cotton and wool, wool rayon, and rayon and cotton fabrics. Fred Butterfield & Co. Inc. 250,973; July 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cotton goods. Riverside & Dam River Cotton Mills, Inc. 244,108; July 26.
Cotton goods and rayon and cotton mixtures, etc. Tilton & Keeler Inc. 244,963; July 26.
Cotton or rayon, Piece goods of. Kendall Mills Inc. 249,900; July 26.
Cotton, rayon and cotton, and silk and cotton fabrics. Turner & Vandam, Inc. 250,724; July 26.
Crêpe de chine piece goods. Square Silk Mills, Inc. 250,826; July 26.
Handkerchiefs. Motte-Devean, Inc. 225,313; July 26.
Knitted, netted, and textile fabrics. Celanese Corporation of America. 249,780; July 26.
Knitted silk goods. Chopak Textile Co. 247,261; July 26.
Lawn, being cotton piece goods. Liberty & Co. 249,592; July 26.
Silk fabrics. A. M. Turell Fabrics Corporation. 250,050; July 26.
Voile in the piece made of rayon. Clarence Whitman & Sons, Inc. 249,764; July 26.
Woolen fabrics. Delane Woolen Company. 249,466; July 26.
Woolen goods. Forstmann & Huffmann Company. 248,764; July 26.
Woolen goods. Forstmann & Huffmann Company. 250,502–3; July 26.
Woolen goods. Forstmann & Huffmann Company. 250,507; July 26.
Woolen piece goods. William F. Read & Sons Co. 250,139; July 26.
Woolen textile fabrics. Atlantic Mills. 247,117; July 26.
Worsted jersey, Knitted. I. A. Wyner & Co. 244,038; July 26.

CLASS 43.

Yarn, Rayon. S. & H. Dyeing Co. 247,823; July 26.
Yarns or threads. Celanese Corporation of America. 249,781; July 26.

CLASS 44.

Alloys, Gold. J. M. Ney Company. 248,588–9; July 26.
Electromagnetic belts. E. C. Farmer. 245,835; July 26.
Gold alloys for dental purposes. J. M. Ney Company. 249,673; July 26.
Pads, Electric treating. Spinal-Magnetto Co. 246,936; July 26.
Sanitary belts. A. Ishii. 241,057; July 26.
Sanitary napkins. Hospital Specialty Co. 235,817; July 26.
Sanitary napkins. Hospital Specialty Co. 235,825; July 26.
Sanitary napkins. Hygiene Products Co. 249,660–1; July 26.
Sanitary napkins. B. Jacobson. 250,618; July 26.

CLASS 45.

Beverage. H. Rabbes. 250,095; July 26.
Beverage. W. W. Health Drinks, Inc. 250,449; July 26.
Beverage and powder for making same. J. Pendleton. 248,969; July 26.
Beverage sold as a soft drink. Brownie Corporation. 237,776; July 26.
Beverage sold as a soft drink. M. Harrison. 249,791; July 26.
Beverage sold as a soft drink and sirup for making the same. Suncrest Flavor Co. Inc. 237,425; July 26.
Beverages. J. A. Mitchell. 250,471; July 26.
Beverages and water. Foss & Burrill. 250,074; July 26.
Ginger ale. Caribbean Beverage Company. 249,213; July 26.
Ginger ale and sirup for making same. J. Friedman. 243,085; July 26.

CLASS 46.

Asparagus. Three Rivers Growers Association. 242,971; July 26.
Candy. Wm. Derrenbacher, Inc. 232,913; July 26.
Candy. Jacobs Candy Co. 235,956; July 26.
Candy. Sears & Hinchliffe. 240,446; July 26.
Canned filling for cakes, pies, sandwiches, and sauce. Mrs. A. B. Means. 241,109; July 26.
Canned fruits. Pacific Coast Canners, Inc. 248,426–7; July 26.
Canned fruits. Pacific Coast Canners, Inc. 248,429; July 26.
Canned fruits. Pacific Coast Canners, Inc. 248,431; July 26.
Canned fruits. Pacific Coast Canners, Inc. 250,563; July 26.
Canned fruits. Wenatchee Packing Corporation. 247,983; July 26.
Canned fruits and berries. Libby, McNeill & Libby. 250,180; July 26.
Canned fruits and vegetables. Pacific Coast Canners, Inc. 248,434; July 26.
Canned fruits, fruit preserves, fruit jellies, jams, etc. Cresta Blanca Company. 235,803; July 26.
Canned fruits, vegetables, etc. B. I. Gilberg. 248,632; July 26.
Canned olive oil. M. Iacono. 231,482; July 26.
Canned vegetables. Winorr Canning Company. 248,607; July 26.
Canned vegetables and fruits, coffee, etc. Baker Brothers Company. 245,825; July 26.
Canned vegetable sauce. K. Pharr. 248,249; July 26.
Canned vegetables, tomato puree, etc. Pacific Coast Canners, Inc. 248,435; July 26.
Cereal breakfast food. Kellogg Company. 249,852; July 26.
Coffee. J. R. Osuna. 250,259; July 26.
Coffee. Whitten-Rader-Johnson Inc. 244,377; July 26.
Coffee, caviar, vinegar, sour tomatoes, and eggs. M. Borts Company. 249,889; July 26.
Cookies, biscuits, butter flakes, cheese wafers, etc., Animal. Standard Biscuit Company. 235,176; July 26.
Doughnuts, doughnut flour, and potato chips. Dawn Donut Company of Jackson. 233,480; July 26.
Farm products. R. W. Skinner jr. 249,199; July 26.
Feed, Stock. Quaker Oats Company. 245,749; July 26.
Feeds, Poultry and stock. Quaker Oats Company. 245,655; July 26.
Frankfurters, horse-radish, etc. Louis Meyer Co. 250,182; July 26.
Fruit sirups. Boyce Extract Company. 249,212; July 26.
Fruit sirups. Boyce Extract Company. 249,500; July 26.
Fruits. Silva-Bergtholdt Co. 210,411; July 26.
Fruits, Fresh citrous. Orange Mutual Citrus Association. 249,860; July 26.
Fruits, Fresh citrous. Redlands Heights Groves, Inc. 250,565; July 26.
Fruits, Fresh deciduous. W. C. Merwin. 241,892; July 26.
Grapefruit and oranges. W. T. Hodge. 247,693; July 26.
Gravy. Tucco Corporation. 248,867; July 26.
Honey. T. W. Burleson. 250,896; July 26.
Ice-cream cones. J. W. Sheridan. 243,888; July 26.
Oil, Olive. John D. Papadeas Inc. 236,222; July 26.
Oranges, lemons, and grapefruit. Limoneira Company. 250,846; July 26.
Oranges, lemons, and grapefruit. Limoneira Company. 250,848; July 26.
Oranges, lemons, and grapefruit. Teague-McKevett Company. 250,870; July 26.
Pastry, Danish. A. Siegel. 248,732; July 26.
Peanuts, Salted. M. Glenn. 248,831; July 26.
Poultry. Peter Fox Sons Co. 249,373–4; July 26.
Sauerkraut juice. C. M. Bogle. 249,888; July 26.
Sugars. Colonial Sugars Company. 250,976; July 26.
Vegetable sauce. Pacific Trading Co. 248,189; July 26.

CLASS 48.

Malt beverages and malt sirup. Berg Brothers. 243,798; July 26.
Malt preparation for beverages. Joseph & Winterhoff. 249,906; July 26.
Malt sirup. Miller Products Company. 243,768; July 26.

CLASS 50.

Arithmetical teaching devices. R. M. Williamson. 248,737; July 26.
Awnings, tents, etc. Swanfeldt Tent and Awning Company. 225,149; July 26.
Pads, Table. O. Winter. 246,798; July 26.
Sheets, ground blankets, covering blankets, etc. Alligator Company. 249,770; July 26.
Signs. Glass Decorating Corporation. 248,492; July 26.
Signs. Municipal Street Sign Co. 248,710; July 26.
Signs and art panels, etc. Pyraglass Products, Inc. 248,514; July 26.
Waterproof cloth, awnings, and tarpaulins. Alligator Company. 249,768; July 26.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adler, Stephen R., New York, N. Y. Lubricating composition and making the same. 1,636,976; July 26.
Ahlheim, Peter, St. Louis, Mo. Bake oven. 1,636,795; July 26.
Alexander, Albert D., assignor to M. V. Alexander, Fredericksburg, Va. Bushing extractor. 1,636,796; July 26.
Alexander, John E. (See Youngchild, Casper E., assignor.)
Alexander, Mabel V. (See Alexander, Albert D., assignor.)
Allen, John, Greensburg, Ind. Poultry-dipping mechanism. 1,637,096; July 26.
Allyn, Robert S., et al. (See Campbell, Harry, assignor.)
Almen-Crosby Motors Company. (See Almen, John O., assignor.)
Almen, John O., Seattle, Wash., assignor to Almen-Crosby Motors Company, Inc. Valve mechanism for internal-combustion engines. 1,637,017; July 26.
Amdursky, Samuel S., assignor to The Taylor Instrument Companies, Rochester, N. Y. Apparatus for regulating wax-sweating systems. 1,636,780; July 26.
Ames, Butler, Lowell, Mass. Comb and making the same. 1,637,249; July 26.
American Can Company. (See Gray, James A., assignor.)
American Hard Rubber Company. (See Kohlmeyer, George, assignor.)
American Lace Paper Co. (See Conrad, Fred A., assignor.)
American Meter Company. (See Tomlinson, Kenneth C., assignor.)
American Nuplax Corporation. (See Homberg, Felix, assignor.)
American Optical Company. (See Fraser, Frank, assignor.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Smelting and Refining Company. (See Cannon, Espey T., assignor.)
American Steel Wheel Corporation. (See Jayne, Ames R., assignor.)
American Telephone and Telegraph Company. (See Dietze, Eginhard, assignor.)
American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)
American Telephone and Telegraph Company. (See Reier, George C., assignor.)
Anakin, Arthur E., Long Beach, Calif., assignor, by mesne assignments, to Safeway Lock Company. Lock. 1,637,097; July 26.
Anderson, Evald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Method and apparatus for supplying fibrous material in aligned condition. 1,636,977; July 26.
Anderson, Hiram C., New York, N. Y. Tire protector. 1,636,948; July 26.
Anderson, Hiram C., New York, N. Y. Punctureproof pneumatic tires. 1,636,978; July 26.
Anderson, William C., Bark River, Mich. Traction-wheel cleat. 1,636,731; July 26.
Ansco Photoproducts, Inc. (See Bornmann, Carl, assignor.)
Ansco Photoproducts, Inc. (See Lessler, Lew W., assignor.)
Ashing, Charles W., Laurel, Iowa. Grain sprouter. 1,637,250; July 26.
Atlas Plywood Corporation. (See Buck, Ralph M., assignor.)
Austin Manufacturing Co. (See Wilson, Fred D., assignor.)
Autostrop Patents Corporation. (See Gaisman, H. J., and Schumacher, assignors.)
Ayers, John A., Lima, Ohio. Soil-breaking machine. 1,637,290; July 26.
Babcock & Wilcox Company, The. (See Bennett, Harry S., assignor.)
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Babcock & Wilcox Company, The. (See Hoxie, William D., assignor.)
Bailey, Albert S. (See Brown, Ryneer E., assignor.)
Baker Brothers Glass Company of Okmulgee, Oklahoma. (See Waters, Thomas F., assignor.)
Baker, Frank W., East Aurora, N. Y. Windmill. 1,636,797; July 26.
Baker, Linnaeus R., assignor to Wayne Company, Fort Wayne, Ind. Liquid measuring and dispensing apparatus. 1,637,251; July 26.
Ball, Arthur H., Buffalo, N. Y. Fence. 1,637,136; July 26.
Ballman, Edwin C., St. Louis, Mo. Attachment plug. 1,636,798; July 26.
Barchoff, Abraham, New York, N. Y. Serving tray. Des. 73,119; July 26.
Barnes, Thomas J., Azusa, Calif. Pulverizer. 1,637,098; July 26.
Barnett, Leon H., New York, N. Y. Producing gem materials. 1,637,291; July 26.
Barrett Company, The. (See Craver, Augustus E., assignor.)
Barrows, Allan S., Los Angeles, Calif. Metallic car door. 1,636,891; July 26.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Draft rigging. 1,637,099; July 26.
Bartlam, Thomas C. (See Peters, T. K., and Bartlam.)
Barton, Raymond L., Los Angeles, Calif. Combination signal casing. Des. 73,120; July 26.
Barzen, Richard G., assignor to English Brothers Machinery Company, Kansas City, Mo. Lubricating system for hoist drums. 1,636,892; July 26.
Basch, David, Schenectady, N. Y., assignor to General Electric Company. Composite electric conductor. 1,637,033; July 26.
Bassick Manufacturing Company, The. (See Jacques, Raynaldo P., assignor.)
Bassick Manufacturing Company, The. (See Murphy, Howard J., assignor.)
Bassler, Edwin M., Milwaukee, Wis. Spraying apparatus. 1,636,949; July 26.
Bayley, William D., Springfield, Ohio. Silo. 1,637,018; July 26.
Benda, Jaroslav, Prague, Czechoslavokia. Last. 1,636,677; July 26.
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bendix Corporation. (See Perrot, Henri, assignor.)
Benedict, H. Stanley, et al. (See Nicoll, Russell C., assignor.)
Bennett, Harry S., Bethlehem, Pa., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Waste heat boiler. 1,636,979; July 26.
Bennett, La Fayette, Salt Lake City, Utah. Light-globe protector. 1,636,980; July 26.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Co., Chicago, Ill. Push and pull switch. 1,636,678; July 26.
Berg, M. M. (See Johnson, Alfred E., assignor.)
Bergische Elektrizitäts-Gesellschaft Gebr. Nelsen. (See Nelsen, Artur, assignor.)
Bergmans, Jan Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Coiled filament incandescent lamps. 1,637,034; July 26.
Berman, Harry L., Baltimore, Md. Artificial tree. 1,636,981; July 26.
Berntsen, Bernt M., Brooklyn, N. Y. Rotary engine. 1,636,799; July 26.
Betts, Clyde G., assignor of one-half to L. J. Betts, Warren, Pa. Anchor block. 1,637,210; July 26.
Betts, Louis J. (See Betts, Clyde G., assignor.)
Biberfeld, Arthur, Berlin, Germany. Ability game. 1,636,893; July 26.
Bigelow Arch Company. (See Bigelow, Frank B., assignor.)
Bigelow, Frank B., assignor to Bigelow Arch Company, Detroit, Mich. Cooled furnace wall. 1,636,894; July 26.
Birmingham Small Arms Company Limited, The. (See Norman, George, assignor.)
Blasek, Adolph J., Baltimore, Md. Locking device for printing forms. 1,637,069; July 26.
Blechspielwarenfabrik Johann Distler. (See Keppner, Ernst, assignor.)
Bley, Benjamin B., Waco, Tex. Tally. 1,637,211; July 26.
Blood, Howard E., assignor to Detroit Gear and Machine Company, Detroit, Mich. Transmission. 1,636,800; July 26.

Boddiger, John P., Polo, Ill. Checkrow planter attachment. 1,637,212; July 26.
Boedtcher, Franz A., Bergenfeld, N. J. Electric switch. 1,636,895; July 26.
Boehringer, John A., Springfield, assignor to Star Chandelier Co., Inc., New York, N. Y. Bridge lamp arm or a similar article. Des. 73,121; July 26.
Bond, Fred, et al. (See Bond, Fred, assignor.)
Bond, Fred, assignor to F. Bond and J. Bond, Montreal, Quebec, Canada. Nonskid chain for automobiles. 1,636,846; July 26.
Bond, Joseph, et al. (See Bond, Fred, assignor.)
Bonney, Lynn F., assignor to Oil Well Core Drilling Company, Los Angeles, Calif. Core drill. 1,636,896; July 26.
Borchardt, Arthur. (See Heil, J. P., and Borchardt.)
Bornmann, Carl, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Focusing indicator for cameras. 1,637,213; July 26.
Bothe, Andreas, Oreland, Pa., assignor to Kleen Products Company, Inc., North Wales, Pa. Paper baking plate. 1,637,100; July 26.
Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding sales book. 1,636,801; July 26.
Bound Brook Oil-Less Bearing Company. (See Shoemaker, George A., assignor.)
Boving, Henrick, assignor to Western Electric Company, Incorporated, New York, N. Y. Metallic composition. 1,636,763; July 26.
Boyle, Richard J. (See Dwyer, M., and Boyle.)
Bozard, Harrison B., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Tractor hitch for drills. 1,636,802; July 26.
Bramhall, Fay B. (See Parker, L. F., and Bramhall.)
Bray, Patrick H. (See Green, Henry M., assignor.)
Bree, Heller O., Auckland, New Zealand. Starting induction motors and apparatus therefor. 1,637,292; July 26.
Brenne, Arild M., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,637,070; July 26.
Bridge, Herbert H., Detroit, Mich. Priming device. 1,636,897; July 26.
Bristol Company, The. (See Thompson, L., and Marshall, assignors.)
Brittain, George E., Lynn, Mass., assignor to L. H. Harriman, trustee. Shoe counter. 1,636,982; July 26.
Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet-stop mechanism for ruling machines and the like. 1,636,983; July 26.
Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet-feeding apparatus. 1,637,019; July 26.
Brown, John M., Hamilton, Ontario, Canada. Machine for folding stovepipe blanks. 1,636,803; July 26.
Brown, Ladura A., Uniontown, Pa. Multiple-break electric switch. 1,636,984; July 26.
Brown, Marvin A., Artesia, N. Mex. Crate. 1,636,804; July 26.
Brown, Ryneer E., assignor of one-half to A. S. Bailey, Holdenville, Okla. Valve-spring lifter. 1,636,950; July 26.
Bryant Heater and Manufacturing Company, The. (See Fox, O., and Stark, assignors.)
Buchli, Jacob, Winterthur, Switzerland. High-pressure steam boiler. 1,636,985; July 26.
Buck, Ralph M., Richford, Vt., assignor to Atlas Plywood Corporation, Boston, Mass. Packaging articles of furniture and the like and pack or shell incasement therefor. 1,637,137; July 26.
Bugatti, Ettore, Molsheim, France. Tool holder for cutting off pieces of work. 1,636,898; July 26.
Bulkley, Marcius S., San Francisco, Calif. Nursing-bottle holder. 1,636,847; July 26.
Bunevac, Frank, South Bend, Ind. Convertible automobile body. 1,637,101; July 26.
Burch, Albert, and R. C. Yost, Medford, Oreg. Fruit-picking-pail cover. 1,636,679; July 26.
Burdtt, Frank F., Portland, Oreg. Sink fixture. 1,637,320; July 26.
Burguières, Denis P. J., assignor of one-fourth to G. Christ, Louisa, La. Elastic suspension wheel. 1,637,214; July 26.
Burke, Wilbur B., and E. G. Weiler, East Cleveland, Ohio; said Weiler assignor to said Burke. Interlocking electric switch. 1,636,932; July 26.
Burress, Raymond E., Crockett, Calif. Cigarette extinguisher. 1,637,172; July 26.
Burton, Thomas L., New York, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Angle-cock holder. 1,636,805; July 26.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Two-way brake-beam support chair. 1,636,848; July 26.
Butts, Ernest W., et al. (See Campbell, Harry, assignor.)
Butts, Roger T., et al. (See Campbell, Harry, assignor.)
Cabangis, Pedro, Manila, P. I. Cigarette case. 1,636,732; July 26.
Caldwell, Frank B., Oak Park, assignor to Link-Belt Company, Chicago, Ill. Tripper for duplex belt conveyers. 1,636,986; July 26.
Calkins, Edgar G., Morland, Kans. Tractor attachment. 1,636,733; July 26.
Callis, Alva W., Baxter Springs, Kans., and F. E. Smoots, Zincville, Okla. Powder charger. 1,636,734; July 26.
Callowhill, Percy J., Providence, R. I. Bracelet link. Des. 73,122; July 26.
Campbell, Harry, Mariners Harbor, assignor of twenty-five per cent to R. T. Butts, twenty per cent to E. W. Butts, and twenty per cent to R. S. Allyn, New York, N. Y. Pipe valve. 1,636,951; July 26.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash construction. 1,636,806; July 26.
Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window. 1,636,807; July 26.
Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
Camors, Marcel R., New Orleans, La. Armature securing and centering means. 1,637,173; July 26.
Canda, Abeel, Cranford, N. J. Forging balls from long bars. 1,636,808; July 26.
Cannon, Espey T., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Belt-conveyer arrangement. 1,636,680; July 26.
Cantwell, Margaret W. (See Schauman, Bror M., assignor.)
Carbone, Peter, Brooklyn, N. Y. Embroidery frame. 1,636,681; July 26.
Carland, Frank B., Elmhurst, N. Y. Line attachment. 1,637,174; July 26.
Carlson, Clarence G., Spokane, Wash. Barrel-emptying hand truck. 1,636,682; July 26.
Carmichael, Andrew J., assignor to The Greist Manufacturing Company, New Haven, Conn. Portable lamp base. 1,636,735; July 26.
Carry, Edward F., Chicago, Ill. Draft gear. 1,637,071; July 26.
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Bottle cap. 1,636,849; July 26.
Casey, James C., Cedar Falls, Iowa. Apparatus for treating the hair and scalp. 1,637,035; July 26.
Centeno V., Melchor, Caracas, Venezuela. Photoelectric cell. 1,637,293; July 26.
Certain-teed Products Corporation. (See Miller, John E., assignor.)
Chandler Cleveland Motors Corporation. (See Walker, Hiram L., assignor.)
Chase, Elroy A., Northfield, Vt. Producing a polished surface on granite block. 1,637,138; July 26.
Chatillon, John, & Sons. (See Rockefeller, John W., jr., assignor.)
Chicago-Cleveland Car Roofing Company. (See Jacobs, Francis A., assignor.)
Chicago Electric Manufacturing Co. (See Benson, Bernhart A., assignor.)
Chicago Electric Manufacturing Company. (See Kerwin, Thomas J., assignor.)
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Childress, William C., assignor to Mercury Manufacturing Company, Chicago, Ill. Lifting truck. 1,636,850; July 26.
Christ, Godfrey. (See Burguières, Denis P. J., assignor.)
Church, Edgar D., assignor to Jackson & Church Company, Saginaw, Mich. Feed device for jointers. 1,637,175; July 26.
Clark, Irwin A. (See Kauffman, H. L., and Clark.)
Clark, Omar E. (See Skaer, A. H., and Clark.)
Clay, George W., Kingston, Pa. Sash-bar construction. 1,636,764; July 26.
Clemmensen, Peter C., assignor of one-third to G. G. Jeck, Atlantic, Iowa. Chicken brooder and hover. 1,637,036; July 26.
Climax Engineering Company. (See Wishart, William, assignor.)
Cline, Allan J., Chicago, and J. A. Hollander, Forest Park, assignors to Cline Electric Manufacturing Company, Chicago, Ill. Fluid-pressure web controller for printing presses. 1,636,987; July 26.
Cline, Allan J., Chicago, and J. A. Hollander, Forest Park, assignors to Cline Electric Manufacturing Company, Chicago, Ill. Solenoid web controller for printing presses. 1,636,988; July 26.
Cline Electric Manufacturing Company. (See Cline, A. J., and Hollander, assignors.)
Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
Clow, Harry L. (See Clow, Henry B. and H. L.)
Clow, Henry B. and H. L., Lakeport, N. H. Making yarn and the like. 1,637,139; July 26.
Coale, Robert J., assignor of one-half to H. Kimber, Los Angeles, Calif. Auxiliary cooler for radiators. 1,637,102; July 26.
Cohn, Samuel, New York, N. Y. Machine for stretching, drying, and winding up tubular fabric. 1,636,683; July 26.
Coles, Walter H., assignor to The Skinner Irrigation Company, Troy, Ohio. Lawn sprinkler. 1,637,140; July 26.
Collins, Charles W. (See Collins, Guy E., assignor.)
Collins, Charles W., Seattle, Wash. Automatic carburetor-feed control. 1,636,851; July 26.

Collins, Guy E., assignor to C. W. Collins, Seattle, Wash. Brake-operating means. 1,636,852; July 26.
Commonwealth Steel Company. (See Hallquist, Elnar G., assignor.)
Commonwealth Steel Company. (See Sheehan, William M., assignor.)
Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
Compagnie Internationale Trichromia. (See Cuenin, Gilbert, assignor.)
Conrad, Fred A., assignor to American Lace Paper Co., Milwaukee, Wis. Paper napkin. Des. 73,123; July 26.
Conner, Charles E., Auburn, Me. Tool. 1,636,853; July 26.
Conover, Arthur V., assignor to Interflash Signal Corporation, New York, N. Y. Beacon lamp. 1,637,072; July 26.
Consortium für Elektrochemische Industrie. (See Meingast, R., and Mugdan, assignors.)
Continental Can Company. (See Hurley, Charles, assignor.)
Cooper, George S. (See Larson, I. C., and Cooper.)
Cooper, Herbert, Brooklyn, N. Y. Flexible tubing. 1,637,141; July 26.
Coppock, Frederick D., Greenville, Ohio. Concrete slab. 1,637,215; July 26.
Corwin, Frank E., Toledo, Ohio. Egg beater. 1,637,103; July 26.
Craver, Augustus E., Cliffside, N. J., assignor to The Barrett Company. Catalytic oxidation of aromatic hydrocarbons. 1,636,854; July 26.
Craver, Augustus E., Cliffside, N. J., assignor to The Barrett Company. Production of aromatic aldehydes. 1,636,855; July 26.
Craver, Augustus E., Cliffside, N. J., assignor to The Barrett Company. Producing anthraquinone. 1,636,856; July 26.
Craver, August E., Cleveland, Ohio, assignor to The Barrett Company. Production of maleic acid. 1,636,857; July 26.
Craver, Augustus E., Cliffside, N. J., assignor to The Barrett Company. Producing acetaldehyde. 1,636,952; July 26.
Crone, Francis G., Buffalo, N. Y. Carburetor. 1,637,104; July 26.
Cronin, John H., assignor to The Euro Shirt Company, Louisville, Ky. Shirt and shirt pocket. 1,636,858; July 26.
Cross, Walter M., Kansas City, Mo. Turbine. 1,637,105; July 26.
Cuenin, Gilbert, assignor to Compagnie Internationale Trichromia, Paris, France. Apparatus for obtaining three-color photographs. 1,637,294; July 26.
Cullman, Otto, Chicago, Ill. Electric low-speed unit. 1,637,106; July 26.
Culver-Bevan Fruit Jar Company. (See Culver, Lewis O., assignor.)
Culver, Lewis O., West Pittston, assignor to Culver-Bevan Fruit Jar Company, Wilkes-Barre, Pa. Fruit jar and closing mechanism. 1,636,684; July 26.
Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,636,899; July 26.
Cunningham, William H., and J. T. Rowan, Pittsfield, Mass. Water-cooled grate. 1,637,216; July 26.
Curtis, Alfred S., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave-transmission system and apparatus. 1,636,765; July 26.
Cutler-Hammer Mfg. Co., The. (See Seeger, Edwin W., assignor.)
Cutler-Hammer Mfg. Co., The. (See Taylor, Herman J., assignor.)
Cyclo Corporation. (See Honig, Frank, assignor.)
Dackmine, Désiré, and H. Monier, Lewiston, Me. Thread cutter and stop motion for weft-replenishing looms. 1,637,217; July 26.
Darker, Alfred H., Upper Norwood, London, assignor to J. Stone & Company, Limited, Deptford, England. Electromagnetic switch for controlling the circuits of train-lighting and similar installations. 1,636,900; July 26.
David, Bruce W., Cleveland Heights, Ohio, assignor to Moonbeam Manufacturing Company. Signal-viewing attachment for automobiles. 1,637,309; July 26.
Davis, Frank M., Milwaukee, Wis. Work feeding and clamping means for metal-working machines. 1,637,176; July 26.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Bobbin guide for filling-replenishing looms. 1,636,901; July 26.
Dawson, Cecil F., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Blank for conical vessels. 1,637,252; July 26.
Day, Charles E. (See Grabler, Peter, assignor.)
Dee, Thomas L., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,637,295; July 26.
Dee, Thomas L., Chicago, Ill., assignor to Sullivan Machinery Company. Core drill. 1,637,296; July 26.
Deere & Company. (See Neighbour, Leonard B., assignor.)
De Groot, William, Odgen, Utah. Spring lock. 1,636,809; July 26.
De Jong, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company. Wire spool and carrier. 1,637,037; July 26.
Dempler, George P., Pittsburgh, Pa. Fluid-control valve. 1,636,859; July 26.
Denver Rock Drill Manufacturing Company, The. (See Katterjohn, August H., assignor.)
Denver Rock Drill Manufacturing Company, The. (See Skaer, A. H., and Clark, assignors.)
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Rotary switch. 1,637,038; July 26.
Detroit Gear and Machine Company. (See Blood, Howard E., assignor.)
Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H. (See Lichtenstein, Edmund, assignor.)
Dewey, Frederick L., Canton, Ill., assignor to International Harvester Company. Rolling colter. 1,636,810; July 26.
Dewoltine, Emile, Toulouse, France. Construction of aeroplane wings. 1,636,902; July 26.
Dietze, Eginhard, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical wave filter. 1,636,737; July 26.
Dodge, Adiel Y., South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake-control-lubricating means. 1,636,903; July 26.
Donald, William H., assignor of one-half to J. P. Jagy and one-half to C. Kloos, Cincinnati, Ohio. Slicing machine. 1,636,811; July 26.
Donovan, Roy W., Kansas City, Mo. Cutting device. 1,636,812; July 26.
Downs, Charles R., Yonkers, N. Y. Production of catalyst carrier. 1,636,685; July 26.
Dräger, Alexander B., Lubeck, Germany. Carrying device or belt for breathing apparatus, particularly self-rescuing apparatus. 1,636,766; July 26.
Draper Corporation. (See Cunniff, Edward A., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Rheault, George, assignor.)
Dreibuss, Harry C., assignor, by mesne assignments, to Scullin Steel Co., St. Louis, Mo. Separable journal box. 1,636,767; July 26.
Dreyer, Otto, Essen-on-the-Ruhr, Germany. Thermal protective device for electric circuits. 1,636,953; July 26.
Drohen, James L., Dunkirk, N. Y. Vehicle curtain. 1,637,297; July 26.
Dumont, Margaret, Waco, Tex. Cabinet. 1,636,738; July 26.
Dworkin, David. (See Greenberg, J., and Dworkin.)
Dwyer, Martin, and R. J. Boyle, Waterbury, Conn. Rivet-making machine. 1,637,107; July 26.
Eberling, Charles M., assignor to The Eberling Machine Sales Company, Cleveland, Ohio. Gearing. 1,637,142; July 26.
Eberling Machines Sales Company, The. (See Eberling, Charles M., assignor.)
Eckert, William A., Buffalo, N. Y. Signal-control mechanism for automobiles. 1,637,218; July 26.
Eclipse Textile Devices, Inc. (See Van Ness, Henry E., assignor.)
Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Hydrometer bulb. 1,637,219; July 26.
Edison Electric Appliance Company. (See Bankin, William A., assignor.)
Edison Electric Appliance Company. (See Simmons, Albert H., assignor.)
Egry Register Company, The. (See Jackson, Philip A., assignor.)
Eichel, Nellie, St. Louis, Mo. Bandeau. 1,637,177; July 26.
Eickmeyer, Earl E. (See Hatmaker, W. T., and Eickmeyer.)
Eickworth, Regnier, Dortmund, Germany. Oven. 1,636,989; July 26.
Eisenstadt, Henry. (See Rose, Jay, assignor.)
Elliott, Howard B., Oakland, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,636,686; July 26.
Elster, Guido, Herne, Germany. Percussive pneumatic tool. 1,636,813; July 26.
Elwood, Willis D., Colville, Wash. Spoon hook. 1,636,904; July 26.
Emsco Derrick & Equipment Company, et al. (See O'Brien, Frederick J., assignor.)
English Brothers Machinery Company. (See Barzen, Richard G., assignor.)
Erno Shirt Company, The. (See Cronin, John H., assignor.)
Esseltine, Alfred B., assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper. 1,637,073; July 26.
Essex Motors. (See Fekete, S. I., and Whisler, assignors.)
Everett, James M., Clearwater, assignor of one-half to C. M. Hunt, Lake Wales, Fla. Transplanting pot. Re16,690; July 26.
Evr Klean Seat Pad Co. (See Wells, Frank, assignor.)
Falck, Julius, et al. (See Wendler, Alex, assignor.)
Falor, Abram E., and F. H. Martin, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Shoe. 1,636,905; July 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic car coupler. 1,636,687; July 26.

Federal Telegraph Company. (See Kolster, F. A., and Sollie, assignors.)
Feigelson, Alexander, Beaumont, Tex. Motor-vehicle trailer connection. 1,636,814; July 26.
Fekete, Stephen L., Detroit, and R. H. Whisler, Halfway, assignors to Essex Motors, Detroit, Mich. Valve mechanism and valve tappet therefor. 1,637,020; July 26.
Field, Samuel B. (See Tucker, S. H., and Field.)
Fifth Avenue Corset Company. (See Leonard, Joseph, assignor.)
Fischer, Albert C., Chicago, Ill. Hinged expansion joint. 1,637,178; July 26.
Fisk Rubber Company, The. (See Southmayd, Leon N., assignor.)
Fitch, Charles M., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Burner-regulating mechanism. 1,637,179; July 26.
Fitch, Charles M., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Burner-regulating device. 1,637,180; July 26.
Ford, Karl L., East Orange, N. J., assignor to Glass Container Association of America, New York, N. Y. Retort. 1,636,768; July 26.
Ford, Robert H., C. P. Richardson, and A. L. Greenabaum, Chicago, Ill., and H. M. Priest, East Orange N. J., assignors to Charles P. Richardson, trustee, Chicago, Ill. Reenforced-concrete cribbing. Re16,689; July 26.
Forgan-Potts, John, Brussels, Belgium. Heat-exchanging apparatus. 1,637,276; July 26.
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Quick application and release valve. 1,636,769; July 26.
Forslund, Gust. (See Schroeder, R. O., and Forslund.)
Fox, Otto, Cleveland, and W. E. Stark, East Cleveland, assignors to The Bryant Heater and Manufacturing Company, Cleveland, Ohio. Thermostatic pilot-control system for burners. 1,636,770; July 26.
Fraser, Alfred J., El Paso, Tex. Gas-burner valve-operating device. 1,637,143; July 26.
Fraser, Frank, assignor to American Optical Company, Southbridge, Mass. Making multifocal lenses. 1,637,021; July 26.
Friderichsen, Peter C. C., Independence, Mo. Nose tile. Des. 73,124; July 26.
Friderichsen, Peter C. C., Independence, Mo. Nose tile. Des. 73,125; July 26.
Friedrich, Karl, Breslau, Germany. Production of a cold glaze upon building material, such as concrete, sandstone, clay, brickwork, and the like. 1,636,860; July 26.
Friedrichs, Wilhelm, Berlin, Germany. Mechanism for feeding the letters or other mail to prepayment machine. 1,637,253; July 26.
Fritzges, John C., Parsons, Pa. Aluminum dinner pail. 1,637,144; July 26.
Frontz, Robert O., assignor of one-half to G. A. Melson, Juniata, Pa. Antiskid chain for automobiles. 1,636,990; July 26.
Fueglein, Bernard A., Louisville, Ky. Display card. 1,636,991; July 26.
Furnace Engineering Company. (See Hirsch, Paul A., assignor.)
Gage, Vincent, Washington, D. C. Paper guide for typewriters. 1,637,022; July 26.
Gaisman, Henry J., New York, and C. Schumacher, Lynnbrook, N. Y., assignors to Autostrop Patents Corporation, Dover, Del. Edging machine. 1,637,074; July 26.
Garbutt, Frank E., Los Angeles, Calif. Automatic film-tensioning mechanism. 1,636,954; July 26.
Garcia, Enrique G., Tampico, Mexico. Fire-preventing cover for fuel tanks and the like. 1,637,298; July 26.
Garey, Edward M., New York, N. Y. Combined lamp and supporting bracket. Des. 73,126; July 26.
Gary, Stephen J., assignor of one-half to J. E. Lewis, New York, N. Y. Cross-jointed metal bar. 1,637,220; July 26.
General Electric Company. (See Basch, David, assignor.)
General Electric Company. (See Bergmans, Jan, assignor.)
General Electric Company. (See de Jong, Hendrik, assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Electric Company. (See Hull, John I., assignor.)
General Electric Company. (See Hutt, Leonard P., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Jordan, Hans, assignor.)
General Electric Company. (See Kellogg, Edward W., assignor.)
General Electric Company. (See Montsinger, Vincent M., assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company. (See Seiz, Walter, assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Tobey, Harry W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
Gilbert & Barker Manufacturing Company. (See Neal, Franklin G., assignor.)
Gillian, Herman, Columbus, Ohio. Work glove. 1,637,181; July 26.
Gilligan, George H., New Bedford, Mass., assignor to U. S. Ring Traveler Company. Traveler for twister rings. 1,636,992; July 26.
Girard, Louis J., Thionville at Suresnes, France. Relay. 1,636,933; July 26.
Glaberman, Harry, Brooklyn, N. Y. Display rack. 1,636,771; July 26.
Glass Container Association of America. (See Ford, Karl L., assignor.)
Glaubitz, Arthur, assignor to the Firm: Thyssen & Co. Aktiengesellschaft, Mulheim-Ruhr, Germany. Rotor for electrical machines. 1,637,182; July 26.
Goldberg, John, Hopkins, Minn. Furnace regulator. 1,636,906; July 26.
Golding, John F., Philadelphia, Pa. Making nut blanks. 1,636,955; July 26.
Golding, John F., Philadelphia, Pa. Making nut blanks. 1,636,956; July 26.
Golub, Abe, St. Louis, Mo. Rubber heel. 1,636,772; July 26.
Gomes, Etiene F., New Orleans, La. Boll-weevil exterminator. 1,637,254; July 26.
Goodland, John H. (See Goodland, Walter H. and J. H.)
Goodland, Walter H. and J. H., Butte, Mont. Rock-drill holder. 1,636,934; July 26.
Goodman Manufacturing Company. (See Esseltine, Alfred B., assignor.)
Goodrich, B. F., Company, The. (See Falor, A. E., and Martin, assignors.)
Goodrich, B. F., Company, The. (See Martin, Frederick H., assignor.)
Goodrich, Chauncey M., Windsor, Ontario, Canada. Turntable center. 1,636,993; July 26.
Gorham Mfg. Company. (See Staf, Axel H., assignor.)
Grabler, Peter, Rocky River, assignor of one-half to Charles E. Day, Lakewood, Ohio. Copyholder. 1,637,075; July 26.
Graham, William R., Bronx, N. Y. Box. 1,637,299; July 26.
Grasselli Dyestuff Corporation. (See Herz, Richard, assignor.)
Gray, James A., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Creased flange. 1,636,957; July 26.
Green, Edward W., London, and H. Ogden, Westcliff-on-Sea, England. Apparatus for separating fuel and other oils from water contaminated therewith. 1,636,815; July 26.
Green, Henry M., deceased, Los Angeles, Calif.; Pacific Southwest Trust & Savings Bank, administrator, assignor to P. H. Bray. One-piece plunger body. 1,636,935; July 26.
Greenabaum, Alexander L. (See Ford, R. H., Richardson, Greenabaum, and Priest.)
Greenan, James E., Ashton, R. I. Votive stand. 1,636,994; July 26.
Greenberg, Joseph, and D. Dworkin, Wilkes-Barre, Pa. Brake mechanism. 1,637,300; July 26.
Greist Manufacturing Company, The. (See Carmichael, Andrew J., assignor.)
Greve, Herman L., Brooklyn, N. Y. Carton. Des. 73,127; July 26.
Greve, Herman L., Brooklyn, N. Y. Mailing package. 1,636,773; July 26.
Grimn, James B., Waterbury, Conn. Vanity box. 1,637,183; July 26.
Griggs, Francis G., Rosetown, Saskatchewan, Canada. Cultivator. 1,636,936; July 26.
Griveau, Pierre B. J., Paris, France. Dental forceps. 1,636,861; July 26.
Groh, Melvin S., Toronto, Ontario, Canada, and J. A. Halls, assignors, by mesne assignments, to Truscon Steel Company, Youngstown, Ohio. Machine for expanding metal sheets. 1,636,774; July 26.
Gruber, Sidney, St. Paul, Minn. Watchmaker's pliers. 1,637,108; July 26.
Guay, Joseph A., Lynn, Mass. Friction clutch. 1,637,184; July 26.
Hadley, June W., et al. (See Nicoll, Russell C., assignor.)
Halbe, Mrs. Else. (See Prettenthaler, Vinzens, assignor.)
Hall, Albert L., Los Angeles, assignor, by mesne assignments, to A. J. Hartfield, Huntington Park, Calif. Water heater. 1,636,907; July 26.
Hallquist, Einar G., Edwardsville, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Car platform. 1,636,816; July 26.
Halls, Joseph A. (See Groh, M. S., and Halls.)
Hamblin, Fred B., assignor to The Weightograph Company, St. Louis, Mo. Scale. 1,636,908; July 26.
Hammond, John H., jr., Gloucester, Mass. Transmission system for radiant energy. 1,637,310; July 26.
Haney, William J., North Vernon, Ind. Metal dancing-shoe sole. 1,636,909; July 26.
Hannam, George C., Freeport, and J. W. Schede, Mount Vernon, assignors to Rubberstone Corporation, New York, N. Y. Flooring tile. 1,637,301; July 26.
Hannam, George C., Freeport, and J. W. Schede, Mount Vernon, assignors to Rubberstone Corporation, New York, N. Y. Flooring tile. 1,637,302; July 26.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Disk valve for rock drills. 1,637,185; July 26.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feed-screw motor for rock drills. 1,637,186; July 26.
Hansen, Valdemar E., Chicago, Ill. Picture-frame construction. 1,637,188; July 26.
Hanson, John R., Alexandria, Minn. Driving mechanism for sewing-machine batteries. 1,636,995; July 26.
Hardy, Charles. (See Rappeport, W. A., and Hardy.)
Hardy, John, Brooklyn, N. Y. Tea-dispensing machine. 1,636,910; July 26.
Harley, Lee M. (See Wade, H. R., and Harley.)
Harriman, Louis H., trustee. (See Brittain, George E., assignor.)
Harris, Edward N. (See Umsted, B. T., and Harris.)
Harris, John, Cleveland, Ohio, assignor to J. R. Rose, Edgeworth, Pa. Gaseous fuel. 1,637,187; July 26.
Harris, Noah E., Dickinson, N. Dak. Easel. 1,637,255; July 26.
Harris, Parley F., Washington, D. C. Composition and preparing roach tablets. 1,636,688; July 26.
Harris, Samuel H., Brooklyn, N. Y. Display board or similar article. Des. 73,128; July 26.
Hart & Hutchinson Company, The. (See Hart, M. S., and Page, assignors.)
Hart, Maxwell S., and L. E. Page, New Britain, Conn., assignors to The Hart & Hutchinson Company. Toilet inclosure. 1,637,145; July 26.
Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Heat-transfer device. 1,636,958; July 26.
Hartfield, August J. (See Hall, Albert L., assignor.)
Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Conveying steam through long-distance pipe lines. 1,636,775; July 26.
Hartshorn, Stewart, Company. (See Hartshorn, Stewart H., assignor.)
Hartshorn, Stewart H., Short Hills, assignor to Stewart Hartshorn Company, East Newark, N. J. Apparatus for winding springs. 1,636,689; July 26.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Resilient shackle. 1,637,148; July 26.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,637,149; July 26.
Haseltine, Stacy B., assignor to W. H. Miner, Inc., cago, Ill. Friction shock-absorbing mechanism. 1,637,150; July 26.
Haskell, Parker B., et al. (See Pohle, Walter B., assignor.)
Haskell, William E., jr., Springfield, Mass. Bottle closure. 1,636,996; July 26.
Hassinger, Egon, Barcelona, Spain. Propelling pencil. 1,636,962; July 26.
Hathaway, Chester W., assignor to Adolph Mueller, trustee, Decatur, Ill. Receptacle-actuated faucet. 1,637,221; July 26.
Hatmaker, William T., and E. E. Eickmeyer, assignors to The National Recording Pump Company, Dayton, Ohio. Liquid-dispensing apparatus. 1,637,146; July 26.
Hawkes, Arthur G., and E. W. Test, Michigan City, Ind., assignors to The Pullman Company, Chicago, Ill. Draft-gear yoke and making same. 1,636,690; July 26.
Hawley, William G., assignor to Merrell-Soule Company, Syracuse, N. Y. Treating milk powder and product produced thereby. 1,637,311; July 26.
Heames, Richard M., Grosse Pointe Village, and B. W. Lindquist, Detroit, Mich. Apparatus for trimming blanks. 1,636,691; July 26.
Heath, Frank E., Sherman Mills, Me. Oven grate. 1,637,303; July 26.
Hedenburg, Oscar F., Pittsburgh, Pa., assignor to Rex Research Corporation, Toledo, Ohio. Poison composition. 1,636,776; July 26.
Heidtkamp, Paul, Schildow, near Berlin, and P. Müller, assignors to the Firm E. Hesse G. m. b. H., Berlin-Rosenthal, Germany. Tramway-switch construction. 1,637,304; July 26.
Heil, Julius P., and A. Borchardt, Milwaukee, Wis. Safety vent valve. 1,637,076; July 26.
Hein, George N., San Francisco, F. L. Platt, Berkeley, and R. E. Impey, San Francisco, Calif. Dispensing faucet. 1,636,817; July 26.
Helberger, Hugo, Munich, Germany. Powdered-soap-dispensing device. 1,637,139; July 26.
Helmling, Leon W., Baltimore, Md. Vehicle attachment. 1,636,997; July 26.
Hempleman, Lynn H., Twin Falls, Idaho. Calculating device. 1,637,222; July 26.
Hendsch, Henry H., Bakersfield, Calif. Displaying device. 1,637,305; July 26.
Herrera, Anna B., Baltimore, Md. Facial-steaming apparatus. 1,637,077; July 26.
Hertenbein, Léon, Levallois-Perret, France. Rotary-drum-filtering apparatus. 1,636,739; July 26.
Herz, Richard, Frankfort-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Reaction product of sulphur dichloride and primary arylamines. 1,637,023; July 26.

Hesse, E., G. m. b. H. (See Heidtkamp, P., and Müller, assignors.)
Hetzelberger, Frans, Ulm-on-the-Donau, assignor to C. D. Magirus, Aktiengesellschaft, Donau, Germany. Safety device for portable power-operated fire escapes. 1,637,190; July 26.
Hetzelberger, Frans, Ulm-on-the-Donau, assignor to C. D. Magirus Aktiengesellschaft, Donau, Germany. Automatic control for vehicle superstructures. 1,637,191; July 26.
Hewlett, Edward M., and W. M. Willard, Schenectady, N. Y., assignors to General Electric Company. System for transmission of angular motion. 1,637,089; July 26.
Heyman Process Corporation. (See Heyman, Wilbert A., assignor.)
Heyman, Wilbert A., assignor to Heyman Process Corporation, New York, N. Y. Bottle. Des. 73,129; July 26.
Hibbets, Charles M., Claude, Tex. Clutch-protecting device. 1,636,959; July 26.
Hickey, Dennis E., Chicago, Ill. Spectacles. 1,636,740; July 26.
Hickok, W. O., Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
Hill, Frank F., Los Angeles, Calif. Long-stroke pumping mechanism. 1,637,078; July 26.
Hill, Hermann, Fredonia, N. Y. Flexible coupling. 1,636,692; July 26.
Hirsch, Paul A., assignor to Furnace Engineering Company, Inc., New York, N. Y. Pulverizing machine. 1,636,693; July 26.
Hoag, Philip O., assignor to The Whitehead & Hoag Company, Newark, N. J. Nonrefillable coin bank. 1,637,312; July 26.
Hobe, William W., New York, N. Y. Button. Des. 73,130; July 26.
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoffmann, Emil, Cologne, Germany. Tensioning and locking device for wire-binding mechanism. 1,636,777; July 26.
Hofmann, William F., Brooklyn, assignor to H. L. Judd Co., New York, N. Y. Curtain-pole fixture. Des. 73,131; July 26.
Hollander, Jacob A. (See Cline, A. J., and Hollander.)
Holtzman, Joseph A., Baltimore, Md. Hatbox. 1,637,223; July 26.
Homberg, Felix, Barmen, Germany, assignor to American Nuplax Corporation, New York, N. Y. Treatment of horn or the like. 1,636,818; July 26.
Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Die for wire drawing, etc. 1,637,109; July 26.
Honig, Frank, Oak Park, assignor to Cyclo Corporation, Chicago, Ill. Manufacturing dies. 1,637,111; July 26.
Hooker, James E., Coral Gables, Fla. Shingle. 1,637,306; July 26.
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hornbostel, Henry, and W. J. Strassburger, Pittsburgh, Pa. Storage building. 1,637,110; July 26.
Howell, Martin L., Freedom, Pa. Brake-chain-operating means. 1,637,151; July 26.
Hoxie, William D., Westerly, R. I., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. 1,636,960; July 26.
Huberich, Charles H., et al. (See Wendler, Alex., assignor.)
Huck Axle Corporation. (See Huck, Louis C., assignor.)
Huck, Louis C., assignor to Huck Axle Corporation, Chicago, Ill. Final drive for motor trucks. 1,636,819; July 26.
Huck, Louis C., assignor to Huck Axle Corporation, Chicago, Ill. Final drive for motor trucks. 1,636,820; July 26.
Hudson, Augustus H. (See North, C. E. H., and Hudson.)
Huempfner, Ferdinand W., assignor of one-half to Mid-States Gummed Paper Company, Chicago, Ill. Wire-tying tool. 1,636,741; July 26.
Hull, Charles C. and M. R., Connersville, Ind. Automobile top. 1,637,112; July 26.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Self-excited induction motor. 1,637,040; July 26.
Hull, John I., Schenectady, N. Y., assignor to General Electric Company. Induction motor. 1,637,041; July 26.
Hull, Matthew R. (See Hull, Charles C. and M. R.)
Hult, Oscar W., Stockholm, Sweden. Motor with extra cooling of the air or fuel mixture before admission into the working cylinder. 1,636,987; July 26.
Hunt, Charles M. (See Everett, James M., assignor.)
Hunt, Harry L., Bigelow, Mo. Oil cup. 1,636,742; July 26.
Hurley, Charles, Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Liquid atomizer. 1,637,113; July 26.
Hussby, Edmond A., Chicago, Ill. Tempo box. 1,636,911; July 26.
Hutt, Leonard P. Schenectady, N. Y., assignor to General Electric Company. Combined automatic and manual circuit controller. 1,637,042; July 26.
Hyde, A. Fillmore. (See Simonds, Francis M., assignor.)

Hydraulic Specialty Manufacturing Company, The. (See McKinney, Edward H. assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schatz, Hermann, assignor.)
Impey, Robert R. (See Hein, G. N., Platt, and Impey.)
Individual Drinking Cup Company. (See Dawson, Cecil F., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Interflash Signal Corporation. (See Conover, Arthur V., assignor.)
International Precipitation Company. (See Anderson, Evald, assignor.)
International Harvester Company. (See Bozard, Harrison B., assignor.)
International Harvester Company. (See Dewey, Frederick L., assignor.)
Jackson & Church Company. (See Church, Edgar D., assignor.)
Jackson, Philip A., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,636,961; July 26.
Jackson, Simeon S., assignor to The Stafford Company, Boston, Mass. Weft-parter device for looms. 1,637,114; July 26.
Jacobs, Aaron J. and H. M., Brooklyn, N. Y. Scale frame. Des. 73,132; July 26.
Jacobs, Francis A., Warren, Ohio, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,637,307; July 26.
Jacobs, Harry M. (See Jacobs, Aaron J. and H. M.)
Jacobs, Irving W. (See Jacobs, Robert and I. W.)
Jacobs, Robert, Boston, and I. W. Jacobs, Brookline, Mass. Game. 1,636,694; July 26.
Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co. Inc., Brooklyn, N. Y. Hydraulic molding press. 1,636,962; July 26.
Jacobson, Edward B., Pittsfield, Mass. Device for testing the induction coil and condenser of an electrical ignition system of a motor vehicle. 1,636,743; July 26.
Jacques, Raynaldo P., Woonsocket, R. I., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Connecter for lubricating apparatus. 1,637,325; July 26.
Jagschitz, Konrad, Mainz, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuremberg, Bavaria, Germany. Sealing means for use in gasometers inclosing a vertically-slidable body. 1,636,963; July 26.
Jagy, John P., et al. (See Donald, William H., assignor.)
Jayne, Ames R., assignor to American Steel Wheel Corporation, Chicago, Ill. Steel vehicle wheel. 1,637,256; July 26.
Jeck, George G. (See Clemmensen, Peter C., assignor.)
Jeffreys, William L., Riverton, Nebr. Power plant. 1,637,115; July 26.
Jehle, Gottfried, Zurich, Switzerland. Hand planing machine. 1,636,863; July 26.
Jensen, Soren, Los Angeles, Calif. Adjustable can opener and liquid preserver. 1,636,821; July 26.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 1,637,192; July 26.
Johanson, Charles, Dover, N. J. Metal-working implement. 1,636,744; July 26.
Johnson, Alfred E., assignor of one-half to M. M. Berg, Duluth, Minn. Animal trap. 1,636,745; July 26.
Johnson, Ernest S., Webster City, Iowa. Leg structure. 1,636,912; July 26.
Johnson, J. E., Chicago, Ill., assignor to The Wahl Company, Wilmington, Del. Eraser-holding device and the like. 1,636,822; July 26.
Johnson, John H., and Sons. (See Umsted, B. T., and Harris, assignors.)
Johnson, Nathan C., Englewood, N. J. Method of and composition for treating concrete. 1,637,321; July 26.
Joiner, Sylvester L., McGregor, Tex. Centrifugal dirt collector. 1,637,257; July 26.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Phase-failure protection. 1,637,043; July 26.
Jordan, Hans, Karlshorst, Germany, assignor to General Electric Company. Loading system for telephone lines. 1,637,044; July 26.
Jorgensen, Olav E., Forest Hills, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Reversing and starting mechanism for internal-combustion engines. 1,636,964; July 26.
Judd, H. L., Co. (See Hofmann, William F., assignor.)
Junkers, Hugo, Aachen-Frankenburg, Germany. Liquid-fuel furnace. 1,636,999; July 26.
Junkers, Hugo, Dessau, Germany. Fuel control in internal-combustion engines. 1,636,998; July 26.
Karner, Joseph W., jr., New York, N. Y. Gas gun. 1,637,079; July 26.
Katow, William L., Los Angeles, Calif. Window-cleaning device. 1,637,258; July 26.
Katterjohn, August H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock drill. 1,637,000; July 26.
Katterjohn, August H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Fluid-operated tool. 1,637,001; July 26.
Kauffman, Harold L., and I. A. Clark, Denver, Colo., assignors to said Kauffman. Decolorizing, clarifying, and purifying petroleum oils. 1,636,938; July 26.
Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
Kehrer, John A., Rockport, Ind. Automobile bumper. 1,637,152; July 26.
Keller, Keith K., Minneapolis, Minn. Marking capsules. 1,636,823; July 26.
Kelley, Milton W., Austin, Tex. Knee pad. 1,637,116; July 26.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,637,045; July 26.
Keppner, Ernst, assignor to the Firm Blechspielwarenfabrik Johann Distler, Nuremberg, Bavaria. Mechanically-moved toy. 1,636,864; July 26.
Kerwin, Thomas J., assignor, by mesne assignments, to Chicago Electric Manufacturing Company, Chicago, Ill. Angle plug. 1,636,939; July 26.
Kesses, Charles H., New York, N. Y. Electric signal transmitter. 1,637,080; July 26.
Kiger, Luther J., Nashville, Tenn. Identification seal for automobile license tags. 1,636,778; July 26.
Kimber, Henry. (See Coale, Robert J., assignor.)
Kirchensteiner, Johann, Wetzikon, Switzerland. Motor brake. 1,637,117; July 26.
Kirchensteiner, Johann, Wetzikon, Switzerland. Motor brake for autos. 1,637,118; July 26.
Kisco Works, Inc. (See Larson, I. C., and Cooper, assignors.)
Kleen Products Company, Inc. (See Bothe, Andreas, assignor.)
Kloos, Carl, et al. (See Donald, William H., assignor.)
Klumpp, Carl S., Brooklyn, N. Y. Door-control system. 1,636,746; July 26.
Kobrin, Harry, New York, N. Y. Pad for ironing boards. 1,636,913; July 26.
Koch, Felix, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Vestibule guard for articulated cars. 1,637,193; July 26.
Koepp, Herman, Wallowa, Oreg. Spacing arrangement of bee frames. 1,637,002; July 26.
Kohlmeyer, George, College Point, assignor to American Hard Rubber Company, Hempstead, N. Y. Comb. Des. 73,133; July 26.
Kollstede, George, Providence, R. I. Snap fastener. 1,636,914; July 26.
Kolster, Frederick A., and S. A. Sollie, Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electromagnetic sound reproducer. 1,637,119; July 26.
Koop, Joseph C., Newark, N. J. Support for folding doors. 1,637,194; July 26.
Krasselt, Robert O., Leipsig, Germany. Washing basin. 1,636,865; July 26.
Krelder, Walter J., near Dayton, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,636,747; July 26.
Krone, Frederick W., San Francisco, Calif. Tire construction. 1,636,779; July 26.
Kuhn, John W., Akron, Ohio. Tire-building machine. 1,637,195; July 26.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,636,695; July 26.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,636,696; July 26.
Kutzer, Adolf, Leipsig-Stuns, Germany. Benzine and oil separator. 1,636,866; July 26.
Lamson Company, The. (See MacLaren, James G., assignor.)
Landon, Elvie, Waterloo, Iowa. Air-storing shock absorber. 1,636,915; July 26.
Lang, Albion S., Jamaica Plain, Mass. Saxophone cord. 1,637,003; July 26.
Larson, Anna J., Naugatuck, Conn. Holder for flatirons. 1,637,120; July 26.
Larson, Ivar C., East Providence, and G. S. Cooper, assignor to Kisco Works, Inc., Providence, R. I. Clip-door catch. 1,636,697; July 26.
Lauer, William E. (See Rumble, Alex C., assignor.)
Lawson, Lindley S., Pittsburgh, Pa. Radiant heater. Des. 73,134; July 26.
Lawson, Lindley S., Pittsburgh, Pa. Radiant heater. Des. 73,135; July 26.
Lawson, Lindley S., Pittsburgh, Pa. Radiant heater. Des. 73,136; July 26.
Lawson, Lindley S., Pittsburgh, Pa. Radiant heater. Des. 73,137; July 26.
Lawton, James A., Middletown, Conn. Medicament carrier. 1,637,153; July 26.
Lehman, Julius H., Bristol, Conn. Glass wiper. 1,636,916; July 26.
Leitner, Henry, Croydon, England. Manufacture of screw-propellers. 1,637,224; July 26.
Lemerond, Joseph L., Green Bay, Wis. Coupling. 1,637,081; July 26.
Le Mur Company, The. (See Lewis, Wilbur S., assignor.)

Leonard, Frederick C., and C. W. Rietzel, assignors to Leonard-Rooke Co., Providence, R. I. Thermally-controlled signaling device. 1,636,698; July 26.
Leonard, Joseph, assignor to Fifth Avenue Corset Company, Inc., Allentown, Pa. Corset. 1,637,313; July 26.
Leonard-Rooke Co. (See Leonard, F. C., and Rietzel, assignors.)
Lessler, Lew W., Johnson City, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Camera-front catch. 1,637,225; July 26.
Leu, Frederick, Carmel, N. Y. Sand-blasting machine. 1,637,196; July 26.
Lewis, Albert J., Burr Oak, Mich. Wire-splicing tool or wrench. 1,637,226; July 26.
Lewis, John E. (See Gary, Stephen S., assignor.)
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Amplifying apparatus. 1,636,699; July 26.
Lewis, Wilbur S., assignor to The Le Mur Company, Cleveland, Ohio. Tube for permanent waving. 1,637,147; July 26.
Lichtenstein, Edmond, assignor to Deutsche Maschinenbau- und Vertriebs-Gesellschaft m. b. H., Berlin, Germany. Duplicator. 1,636,780; July 26.
Lindemann, Joseph S., New York, N. Y. Bottle. Des. 73,138; July 26.
Lindenberg, Theodore, Columbus, Ohio. Reproducer for radio receiving apparatus. 1,636,940; July 26.
Lindquist, Birger W. (See Heames, R. M., and Lindquist.)
Lindsey, Frederick C., Milwaukee, Wis. Heavy-oil vaporizer. 1,637,004; July 26.
Lind-Belt Company. (See Caldwell, Frank B., assignor.)
Lockwood, Alvah M., et al. (See Malone, Adolph W., assignor.)
Long, John R., Tarentum, Pa. Paper-insulated electric conductor. 1,636,748; July 26.
Longanecker, Harry P., Centerville, Iowa. Clamp. Re. 16,688; July 26.
Lorenz, C., Aktiengesellschaft. (See Schmidt, Karl, assignor.)
Losey, Sylvester V., Detroit, Mich. Process and apparatus for recharging magnets. 1,636,941; July 26.
Lovejoy Development Corporation. (See Lovejoy, Dimmitt R., assignor.)
Lovejoy, Dimmitt R., assignor to Lovejoy Development Corporation, New York, N. Y. Coil-winding method and apparatus. 1,637,121; July 26.
Loveridge, Claude W., Manchester, England. Telpher or overhead transporter system. 1,637,808; July 26.
M S Company. (See Nittel, Frederick W., assignor.)
MacLaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Power controller. 1,637,314; July 26.
Magirus, C. D., Aktiengesellschaft. (See Hetzelberger, Franz, assignor.)
Magirus, C. D., Aktiengesellschaft. (See Mattes, Hermann, assignor.)
Malone, Adolph W., Fillmore, Utah, assignor of one-third to A. H. Vestal, Anderson, Ind., and one-third to A. M. Lockwood, Houston, Tex. Metal pole. 1,637,259; July 26.
March, Carl, Chicago, Ill. Match-box holder. 1,637,260; July 26.
Mark, Frank R., Los Angeles, Calif. Valve. 1,637,154; July 26.
Markatos, Spiros C., New York, N. Y. Supporting means for dry rooms. 1,637,261; July 26.
Marsden, John E., Philadelphia, Pa. Electric stove. 1,637,155; July 26.
Marshall, John C., San Francisco, Calif. Electrical apparatus. 1,637,262; July 26.
Marshall, Joseph B. (See Thompson, L., and Marshall.)
Martin, Darius V., Wildwood, N. J. Pedestal. 1,636,966; July 26.
Martin, Frederick H. (See Falor, A. E., and Martin.)
Martin, Frederick H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Overshoe. Des. 73,139; July 26.
Martin, George H., Warm Springs, Mont. Spring wheel. 1,637,263; July 26.
Maschinenfabrik Augsburg-Nuernberg A. G. (See Jagschitz, Konrad, assignor.)
Maschinenfabrik Rüti. (See Senn, Caspar, assignor.)
Masonick, Jacob, and G. and J. Stuebner, Chicago, Ill.; said Masonick assignor to said G. Stuebner. Syringe. 1,637,264; July 26.
Masson, Frank, San Francisco, Calif. Suction head. 1,637,265; July 26.
Mattes, Hermann, assignor to C. D. Magirus Aktiengesellschaft, Ulm-on-the-Donau, Germany. Mechanical ladder. 1,637,197; July 26.
Matthews, Jas. H. & Company. (See Wade, H. R., and Harley, assignors.)
Maxfield, Joseph P., Wyoming, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Sound-recording method. 1,637,082; July 26.
Maxson, James A., Picher, Okla. Child's vehicle. 1,637,266; July 26.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens measure. 1,637,024; July 26.
McCall, Clarence E., St. Augustine, Fla. Sash pulley. 1,637,267; July 26.
McCormick, Harold V., assignor to The Warner Elevator Manufacturing Company, Cincinnati, Ohio. Brake mechanism. 1,637,025; July 26.
McCormick, Robert R., Chicago, Ill. Printing press. 1,636,917; July 26.
McDaniel, Albert R., Johnstown, Nebr. Pan lifter, 1,637,227; July 26.
McEntee, Amby, Westfield, Me. Cultivator. 1,637,122; July 26.
McGowan, Patrick A., Williamsport, Pa. Brooder. 1,636,749; July 26.
McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. 1,636,965; July 26.
McJilton, Karl F., Moberly, Mo. Centering device for pistons. 1,636,918; July 26.
McKay, John L., Minneapolis, Minn. Humidifier. 1,637,123; July 26.
McKee, Neal T., Bronxville, N. Y. Locomotive. 1,636,781; July 26.
McKinney, Edward H., Salina, assignor to The Hydraulic Specialty Manufacturing Company, Topeka, Kans. Hydraulic clutch transmission. 1,636,700; July 26.
McManaman, Patrick and J. Namet, Cleveland, Ohio. Combined signal casing and radiator cap. Des. 73,140; July 26.
McManaman, Patrick and J. Namet, Cleveland, Ohio. Combined signal casing and tag holder. Des. 73,141; July 26.
McMullen, John, Buffalo, N. Y. Uncoupling device. 1,637,198; July 26.
Meingast, Rudolf, and M. Mugdan, assignors to Consortium für Elektrochemische Industrie, Munich, Germany. Manufacturing acetic anhydride. 1,636,701; July 26.
Melberg, Ernest, Norway, Iowa. Fastener. 1,636,824; July 26.
Melson, George A. (See Fronts, Robert O., assignor.)
Meltzer, Abe, New York, N. Y. Hairbrush with comb. 1,637,083; July 26.
Melville, Clyde E., and A. C. Peterson, Sacramento, Calif.; said Peterson assignor to said Melville. Oil dispenser. 1,637,228; July 26.
Mendez, Guadalupe, Dawson, N. Mex. Radio tube socket. 1,637,084; July 26.
Mercury Manufacturing Company. (See Childress, William C., assignor.)
Merensky, Felix, Leavenworth, Kans., assignor of fifty per cent to G. Merensky, Detroit, Mich. Case for cigarette papers. 1,637,229; July 26.
Merensky, George. (See Merensky, Felix, assignor.)
Merrill, George F., Ware, Mass. Repacking valves. 1,637,026; July 26.
Merrill-Soule Company. (See Hawley, William G., assignor.)
Meyer, Frank W., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Combined hat and shoe drawer. 1,636,702; July 26.
Meyfarth, Gottlieb, Geneva, assignor of one-half to the Firm: Société Anonyme des Ateliers de Secheron, Secheron, Geneva, Switzerland. Cut-out device for pneumatically-operated switches. 1,637,199; July 26.
Middleton, Charles O., sr. (See Scully, George H., assignor.)
Mid-States Gummed Paper Company. (See Huempfner, Ferdinand W., assignor.)
Millauro, Orasio, London, England. Window latch. 1,636,782; July 26.
Miller, Archibald R., Helensburgh, Scotland. Pressure-regulating valve. 1,636,919; July 26.
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller, George E. (See Poindexter, George B., assignor.)
Miller, Grover C., Los Angeles, Calif. Machine for treating tire casings. 1,636,825; July 26.
Miller, Jesse P., assignor of one-half to J. H. Thatcher, Houma, La. Expansive drill bit for cable tools and the like. 1,637,268; July 26.
Miller, John E., Marseilles, Ill., assignor to Certain-teed Products Corporation, New York, N. Y. Manufacture of prepared roofings. 1,636,750; July 26.
Millsap, David L., Powersville, Mo. Gambrel. 1,636,751; July 26.
Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
Miner, W. H., Inc. (See Lewis, Wilbur S., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mirski, Aaron J., New York, N. Y. Manifold record book. 1,637,156; July 26.
Mitchell, Edward H., Quincy, Ill. Trap nest and front therefor. 1,637,005; July 26.
Mitchell, William E., Anderson, Mo. Indicating device for visible gasoline tanks. 1,636,752; July 26.
Mohawk Textile Mills, Inc. (See Oberstebrink, August, assignor.)
Mohr, John K. (See Wieland, William, assignor.)
Monier, Hector. (See Dackmine, D., and Monier.)
Montsinger, Vincent M., Pittsfield, Mass., assignor to General Electric Company. Decorative lighting outfit. 1,637,046; July 26.
Moonbeam Manufacturing Company. (See David, Bruce W., assignor.)
Moore, Benjamin F., Parkersburg, W. Va. Swinging hook. 1,637,047; July 26.

Morgan, John A., Machinery Company. (See Morgan, John A., assignor.)
Morgan, John A., assignor to The John A. Morgan Machinery Company, Los Angeles, Calif. Pump. 1,636,826; July 26.
Morin, Leon J., Taunton, Mass. Amusement device. 1,637,124; July 26.
Mugdan, Martin. (See Meingast, R., and Mugdan.)
Mueller, Adolph, trustee. (See Hathaway, Chester W., assignor.)
Mueller, Adolph, trustee. (See Mueller, Lucien W., assignor.)
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Lucin W., assignor to Adolph Mueller, trustee, Decatur, Ill. Valve for built-in plumbing fixtures. 1,637,230; July 26.
Mueller, Philip, and A. C. Schuermann, assignors to Adolph Mueller, trustee, Decatur, Ill. Swivel connection. 1,637,231; July 26.
Müller, Peter. (See Heldtkamp, P., and Müller.)
Murphy, Howard J., Reading, Mass., assignor, by mesne assignments, to The Bassick Manufacturing Company, Chicago, Ill. Pressure lubricating system and apparatus. 1,637,326; July 26.
Namet, Julius. (See McManaman, P., and Namet.)
Narayan, Prem, Bijnor, India. Monogrammic advertising apparatus. 1,636,827; July 26.
Narragansett Machine Company. (See Thornley, Albert E., assignor.)
National Cash Register Company, The. (See Kreider, Walter J., assignor.)
National Pneumatic Company. (See Forman, Paris R., assignor.)
National Recording Pump Company, The. (See Hatmaker, W. T., and Eickmeyer, assignors.)
Neal, Franklin G., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil-burning furnace. 1,637,269; July 26.
Neely, Kenneth D., Rising Star, Tex. Elevator for oil-well drilling stems. 1,637,270; July 26.
Neighbour, Leonard B., East Moline, assignor to Deere & Company, Moline, Ill. Traction motor. 1,636,828; July 26.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,636,829; July 26.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Manure spreader. 1,637,232; July 26.
Nelson Brothers Co. (See Nelson, Harry B., assignor.)
Nelson, Harry B., assignor to Nelson Brothers Co., Saginaw, Mich. Rod connection for pump handles and the like. 1,637,125; July 26.
Nelson, Jennie M., St. Paul, Minn. Hat bandeau. 1,637,126; July 26.
Nerney, George E., Attleboro, Mass. Eyeglass frame. Des. 73,142; July 26.
Nichols, Arthur M., Tigard, Oreg. Pressure regulator. 1,637,085; July 26.
Nichols, Eugene C., Sioux Falls, S. Dak. Game. 1,636,920; July 26.
Nicoll, Russell C., Wilmington, assignor of one-third to H. S. Benedict and one-third to J. W. Hadley, Los Angeles, Calif. Tank pump. 1,636,711; July 26.
Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Cement composition and preparation. 1,636,830; July 26.
Nicolson, Alexander M., assignor to Wired Radio, Inc., New York, N. Y. Piezoaudion. 1,636,921; July 26.
Niemeyer, Alfred H., Chicago, Ill. Casket. 1,637,271; July 26.
Nilsson, August L., Sodertalje, Sweden. Carburetor. 1,637,272; July 26.
Nittel, Frederick W., Attleboro Falls, assignor to M S Company, Attleboro, Mass. Hook. 1,637,315; July 26.
Noel, Allen, Columbus, Ohio. Cigar-making machine. 1,636,922; July 26.
Nolzen, Artur, assignor to the Firm: Bergische Elektrizitäts-Gesellschaft Gebr. Nolzen, Ronsdorf, Germany. Fresh-air heater for internal-combustion engines. 1,637,006; July 26.
Norman, George, Small Heath, Birmingham, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Small arm. 1,637,233; July 26.
Norman, George, Small Heath, Birmingham, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Automatic firearm. 1,637,234; July 26.
Norman, George, Small Heath, Birmingham, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Automatic firearm. 1,637,235; July 26.
Norman, George, Small Heath, Birmingham, assignor to The Birmingham Small Arms Company Limited, Birmingham, England. Small arm. 1,637,236; July 26.
North, Charles E. H., and A. H. Hudson, Bremerton, Wash. Motor fuel. 1,637,007; July 26.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Clutch mechanism for looms. 1,636,703; July 26.
Norton, John F., Mattapan, Mass. Piston. 1,637,273; July 26.
Nutt, Norman W., Trenton, N. J. Fuse-plug-cap assembly. 1,637,274; July 26.
Oakley, Laurence M., Trenton, N. J. Shoe sole. Des. 73,143; July 26.
Oberstebrink, August, Brooklyn, N. Y., assignor to Mohawk Textile Mills, Inc., Newark, N. J. Shoulder strap. 1,637,201; July 26.
O'Brien, Frederick J., assignor of one-half to Titusville Forge Company, Titusville, Pa., and one-half to Emsco Derrick & Equipment Company, Los Angeles, Calif. Flexible pipe slip for drilling apparatus. 1,637,200; July 26.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,637,086; July 26.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,637,087; July 26.
Ogden, Herbert. (See Green, E. W., and Ogden.)
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Ogden, John E. (See Ogden, Ralph E., assignor.)
Ogden, Ralph E., assignor to J. E. Ogden, Mountainville, N. Y. Setting tool for expansion shield. 1,636,831; July 26.
Ohio Match Company, The. (See Swartz, Orlo E., assignor.)
Ohio Rubber Company, The. (See Reynolds, William A., assignor.)
Oil Well Core Drilling Company. (See Bonney, Lynn F., assignor.)
O'Kelly, David B., Miami Beach, Fla. Portable desk. 1,636,783; July 26.
Olcott, Herman P., Wallingford, Conn. Training apparatus. 1,636,753; July 26.
Olmstead, Clarence E., Modesto, Calif. Liquid-cooling device. 1,637,008; July 26.
Ornoski, Stanley L., Throop, Pa. Three-way door lock. 1,637,127; July 26.
Osborne, William, jr., Philadelphia, Pa. Bathing suit. 1,637,157; July 26.
Oshkosh Trunk Company, The. (See Meyer, Frank W., assignor.)
Ostrander, Lewis F., Milwaukee, Wis. Vent valve. 1,637,158; July 26.
O'Sullivan, Michael J., Los Angeles, Calif. Foot-measuring device. 1,636,754; July 26.
Owen, Frederick C., Fayetteville, N. C. Transformer for electric-arc cutting and welding apparatus. 1,637,237; July 26.
Owen, Frederick C., Fayetteville, N. C. Electrical transformer. 1,637,238; July 26.
Owens Bottle Company, The. (See Soubier, Leonard D., assignor.)
Pacific Southwest Trust & Savings Bank, administrator. (See Green, Henry M.)
Padolsky, Bessie, Philadelphia, Pa. Pad for infants. 1,637,088; July 26.
Page, Logan E. (See Hart, M. S., and Page.)
Pagin, John B., assignor to South Bend Bait Co., South Bend, Ind. Fishing bait. 1,636,832; July 26.
Palmer, William B., Highwood, Ill. Nail package. 1,637,128; July 26.
Panyard, John F., Detroit, Mich. Piston ring. 1,636,833; July 26.
Pappert, Emanuel, Brooklyn, N. Y. Spectacle frame. Des. 73,144; July 26.
Parker, Leighland F., Burlington, Vt., and F. B. Bramhall, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Phase correction in synchronous telegraph systems. 1,636,784; July 26.
Parsels, William B., Pleasantville, N. J. Casket-retaining device for hearses. 1,637,239; July 26.
Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling-machine construction. 1,636,755; July 26.
Paterson, Arthur R. (See Vidinghoff, Charles A., assignor.)
Patten, Charles H., assignor to Rex Manufacturing Company, Providence, R. I. Mechanically-operated lead pencil. 1,636,704; July 26.
Paulson, Ole B., Great Falls, Mont. Hay-harvesting apparatus. 1,637,048; July 26.
Peck, Elmer E., Neosho, Mo. Suspender attachment. 1,636,712; July 26.
Perrot, Henri, Paris, France, assignor to Bendix Corporation, Chicago, Ill. Front-wheel mounting. 1,637,089; July 26.
Perry, Donald B., Yonkers, N. Y., assignor to American Telephone and Telegraph Company, Printing-telegraph-exchange system. 1,637,324; July 26.
Perry, Elsie, New York, N. Y. Permanent Marcel-wave apparatus. 1,636,967; July 26.
Peters, Thomas K., and T. C. Bartlam, New York, N. Y. Art of exhibiting moving pictures. 1,636,834; July 26.
Peterson, Austin C. (See Melville, C. E., and Peterson.)
Peterson, Axel W., San Francisco, Calif., assignor to Western Tool and Wrench Company. Can opener. 1,636,785; July 26.
Peterson, Victor, Chicago, Ill. Door lock. 1,637,275; July 26.
Pieters, Ivon S., assignor to Pilbrico Jointless Firebrick Company, Chicago, Ill. Furnace. 1,637,159; July 26.
Piper, Walter E., Sudbury, Mass. Overshoe. 1,637,027; July 26.
Piscionere, Nicholas, South Weymouth, Mass. Electric hammer and drill. 1,636,923; July 26.
Platt, Frank L. (See Hein, G. N., Platt, and Impey.)

Pilbrico Jointless Firebrick Company. (See Pieters, Ivon S., assignor.)
Plooster, Neal W., St. Paul, Minn. Toy riding horse. Des. 73,145; July 26.
Poeter, Edward, assignor to E. Poeter & Company, Irvington, N. J. Hand-bag frame. Des. 73,146; July 26.
Poeter, E., & Company. (See Poeter, Edward, assignor.)
Pohle, Walter B., assignor of one-third to P. B. Haskell Lynn, and one-third to S. V. Russell, Chelsea, Mass. Crank casing. 1,636,756; July 26.
Poindexter, George B., Seattle, assignor of one-half to G. E. Miller, Bremerton, Wash. Combination lock. 1,637,009; July 26.
Porter, Thomas E., Grand Rapids, Mich. Cut-off saw. 1,636,924; July 26.
Prather, George W., Des Moines, Iowa. Preparing water-softening materials. 1,636,942; July 26.
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric meter. 1,637,049; July 26.
Pressed Steel Car Company. (See Koch, Felix, assignor.)
Prettenthaler, Vinsenz, Betsdorf, Sieg, Germany, assignor to Mrs. E. Halbe. Sick bed with means for easing nature. 1,636,705; July 26.
Priest, Henry M. (See Ford, R. H., Richardson, Greenabaum, and Priest.)
Pritchett, George E., assignor of one-fifth to J. A. Sampson, Butte, Mont. Wheeled toy. 1,637,129; July 26.
Proctor, Charles V., Biron, Wis. Method and machine for making paper. 1,637,240; July 26.
Pucillo, Frank, Bridgeport, Conn. Coil tester. 1,636,968; July 26.
Pullman Company, The. (See Hawkes, A. G., and Test, assignors.)
Quinn, Charles H., San Francisco, Calif. Fuel-feeding mechanism. 1,637,028; July 26.
Quist, Irving E., Warren, Minn. Cable guard. 1,637,241; July 26.
Rankin, William A., Oak Park, Ill., assignor to Edison Electric Appliance Company, Inc. Temperature indicator. 1,637,050; July 26.
Rapeport, William H., Philadelphia, Pa. Wheel construction for motor vehicles. 1,637,160; July 26.
Rappeport, William A., and C. Hardy, New York, N. Y. Self-filler lever device for fountain pens. 1,637,202; July 26.
Rasp, John, McKeesport, Pa. Combined curtain and shade holder and rod for use therewith. 1,636,835; July 26.
Ravigneaux, Pol, Neuilly-Sur-Seine, France. Closing device for belts. 1,636,925; July 26.
Ray, Béla, M., London, England. Accessory for use in connection with hair waving or curling appliances. 1,637,277; July 26.
Ray, William D., La Fayette, Ga. Truss. 1,637,130; July 26.
Read, Augustus R. L., Covington, Ky. Toothbrush. 1,636,836; July 26.
Reading, Edward J., Paterson, N. J. Packet container. 1,636,757; July 26.
Rees, Alfred A., New Haven, Conn. Game apparatus. 1,637,010; July 26.
Reier, George C., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical wave filter. 1,636,718; July 26.
Reilly, Alfred F., Attleboro, Mass. Producing the shells of metal boxes. 1,637,242; July 26.
Reisfeld, Louis, Chicago, Ill. Coupling. 1,636,706; July 26.
Reiss, Eugen, Berlin-Dahlem, Germany. Nonresonant diaphragm. 1,637,243; July 26.
Renna, Leuigi. (See Renna, Simone and L.)
Renna, Simone, Brooklyn, and L. Renna, New York, N. Y. Fan attachment for sewing machines. 1,636,758; July 26.
Renwick, Frederick W., Camden, N. J. Dial for radio apparatus. 1,637,051; July 26.
Rens, George H., Newark, N. J. Game. 1,637,278; July 26.
Reynolds, Charles L., Seattle, Wash., assignor to myself and W. E. Smith. Drive for transit concrete mixers. 1,636,926; July 26.
Rex Manufacturing Company. (See Patten, Charles H., assignor.)
Rex Research Corporation. (See Hedenburg, Oscar F., assignor.)
Reynolds, William A., assignor to The Ohio Rubber Company, Cleveland, Ohio. Bulb for hydrometer syringes. Des. 73,147; July 26.
Rheault, George, Lowell, assignor to Draper Corporation, Hopedale, Mass. Harness stop motion for looms. 1,636,927; July 26.
Richard, Charles D., West New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Synchronizing mechanism. 1,637,161; July 26.
Richards, David R., St. Louis, Mo. Car truck. 1,636,837; July 26.
Richardson, Charles P., trustee. (See Ford, R. H., Richardson, Greenabaum, and Priest, assignors.)
Rietzel, Charles W. (See Leonard, F. C., and Rietzel.)
Rigby, John, New Bedford, Mass. Bag holder. 1,637,131; July 26.
Rimberg, Alexander H., New York, N. Y. Pedestal for table lamps or similar article. Des. 73,148; July 26.
Roberts, Charles A., Butte, Mont. Gasoline-tank-cap lock. 1,637,279; July 26.
Robertson, John, Co. (See Jacobson, Conrad C., assignor.)
Robin, Marcel A., Port-au-Prince, Haiti. Puncturepoof cushion wheel. 1,637,280; July 26.
Robinson, Conway, Baltimore, Md., assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Producing metallic carbon. 1,637,052; July 26.
Robinson, Franklyn P. (See Robinson, William F. and F. P.)
Robinson, Lula H., Dallas, Tex. Roller suspension for shade and drapery supports. 1,637,162; July 26.
Robinson, Roy H., Chicago, Ill. Tennis racket. 1,636,867; July 26.
Robinson, William F. and F. P., Kansas City, Mo. Electric-circuit tester. 1,636,707; July 26.
Rockefeller, John W., jr., assignor to John Chatillon & Sons, New York, N. Y. Spring scale. 1,636,708; July 26.
Rolley, Thomas, Brisbane, Queensland, Australia. Metal-bending machine. 1,636,786; July 26.
Rose, James R. (See Harris, John, assignor.)
Rose, Jay, assignor, by mesne assignments, to H. Eisenstadt, Brooklyn, N. Y. Douche nozzle. 1,636,969; July 26.
Roser, Mathias F., Detroit, Mich. Collapsible hand bag. 1,636,838; July 26.
Rothman, Robert, Brooklyn, N. Y. Knit fabric. 1,636,943; July 26.
Roux, Joseph S., Manchester, N. H. Mop handle. 1,636,714; July 26.
Rowan, James T. (See Cunningham, W. H., and Rowan.)
Rubberstone Corporation. (See Hannam, G. C., and Schede, assignors.)
Ruggles, Charles H. (See Traylor, S. W., and Ruggles.)
Rumble, Alex C., assignor of one-half to W. E. Lauer, Los Angeles, Calif. Automatic disconnecting pot heads. 1,637,090; July 26.
Russell, Susan V., et al. (See Pohle, Walter B., assignor.)
Ruths Accumulator Company. (See Wettstein, Fritz, assignor.)
Ryder, Gilbert E., Leonia, N. J., assignor to The Superheater Company, New York, N. Y. Locomotive tender with oil separator. 1,636,787; July 26.
Safeway Lock Company. (See Anakin, Arthur E., assignor.)
Salts, Fritz O. (See Seidel, G. F., Salts, and Whitcomb.)
Sampson, Joseph A. (See Pritchett, George E., assignor.)
Schaefer, Karl A., Pforsheim, Germany. Bracelet fastener. 1,636,869; July 26.
Schatz, Hermann, Schwanheim-on-the-Main, assignor to the Firm I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of co-baltous acetate. 1,637,281; July 26.
Schauman, Bror M., assignor to M. W. Cantwell, New York, N. Y. Anchor davit. 1,636,944; July 26.
Schede, Julius W. (See Hannam, G. C., and Schede.)
Schlatter, Carl, assignor to S. Slater & Sons, Incorporated, Webster, Mass. Pressure-relieving means for hydraulic calenders. 1,637,282; July 26.
Schleck, Eduard, Berlin, Germany. Electric steam boiler. 1,636,788; July 26.
Schlegel, Werner, Pegau, Germany. Door latch. 1,636,868; July 26.
Schmidt, Camilla, Berlin-Lichterfelde, Germany. Providing cakes of soap with advertising matter. 1,636,709; July 26.
Schmidt, Karl, Berlin-Sudende, assignor to C. Loreas Aktiengesellschaft, Berlin-Tempelhof, Germany. Frequency multiplication. 1,637,283; July 26.
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, Otto H., assignor.)
Scholl, Heinrich, Pforsheim, Germany. Foldable comb. 1,636,870; July 26.
Schopper, Alfred, Leipsig, Germany. Testing of mechanical strength. 1,637,011; July 26.
Schrader, Herbert, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Header for pails. 1,636,839; July 26.
Schroeder, Rex O., and G. Forslund, Yankton, S. Dak. Chicken feeder. 1,637,182; July 26.
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schumacher, Conrad. (See Gaisman, H. J., and Schumacher.)
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Composition rim for ophthalmic mountings. 1,637,029; July 26.
Schumacher, John, sr., Los Angeles, Calif. Tilting tray. 1,637,053; July 26.
Schwieman, Gustave M., Detroit, Mich. Steering wheel. 1,637,284; July 26.
Scofield, Theodore J., Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Horn. 1,637,316; July 26.
Scott and Williams, Inc. (See Scott, Robert W., assignor.)
Scott, Robert W., Babylon, assignor to Scott and Williams, Inc., New York, N. Y. Stocking and the manufacture thereof. 1,637,244; July 26.
Scovill Manufacturing Company. (See Villaret, Gustave E., assignor.)
Sorabie, Carl, Urbana, Ohio. Stylus mounting for sound boxes. 1,636,715; July 26.
Serabie, Carl, Urbana, Ohio. Stylus mounting for sound reproducer of sound. 1,636,716; July 26.

Scullin Steel Co. (See Dreibuss, Harry C., assignor.)
Scully, George H., Los Angeles, assignor of one-third to C. O. Middleton, sr., Beverly Hills, Calif. Impulse equalizer for internal-combustion engines. 1,6371,245; July 26.
Sears, Roebuck and Co. (See Fitch, Charles M., assignor.
Seaver, Ellick J., Beloit, Wis. Exterminator. 1,637,246; July 26.
Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for electric motors. 1,637,054; July 26.
Segelhorst, August L., Whittier Calif. Casing head. 1,637,055; July 26.
Segelhorst, August L., Whittier, Calif. Slip handler. 1,637,056; July 26.
Seibold, Albert, Muhlacker, near Pforzheim, Germany. Holder for balls of thread. 1,636,871; July 26.
Seidel, George F., F. O. Salts, and L. E. Whitcomb, Fremont, Nebr. Dipping shackle. 1,636,872; July 26.
Seiz, Walter, Baden, Switzerland, assignor to General Electric Company. Induction-motor exciting system. 1,637,057; July 26.
Senn, Caspar, assignor to Maschinenfabrik Rüti, formerly Caspar Honegger, Rüti, Switzerland. Lay structure for power looms. 1,636,717; July 26.
Sheenhan, Frank, Ithaca, N. Y. Blister preventive and foot pad. 1,637,285; July 26.
Sheehan, William M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Electric locomotive truck. 1,636,840; July 26.
Shively, Louis S., University City, assignor to The Weightograph Company, St. Louis, Mo. Eccentrically-adjustable cam for scales. 1,636,873; July 26.
Shockley, Herbert M. (See Walters, Oliver H., assignor.)
Shoemaker, George A., Philadelphia, Pa., assignor to Bound Brook Oil-Less Bearing Company. Bearing. 1,637,317; July 26.
Shuey, Paul F., Pittsburgh, Pa. Radio system. 1,637,058; July 26.
Siegel, Wilhelm, Berlin-Charlottenburg, Germany. Manufacture of alkaline potassium compounds. 1,636,710; July 26.
Sigley, William H., Sylvan Grove, Kans. Funnel. 1,636,789; July 26.
Silver, John H. F., Philadelphia, Pa. Control mechanism for calculating machines. 1,636,718; July 26.
Simmons, Albert H., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric connecter. 1,637,059; July 26.
Simonds, Francis M., assignor of one-half to A. F. Hyde, New York, N. Y. Ore furnace. 1,637,163; July 26.
Simons, Aaron, New York, assignor of one-fourth to N. Weinberg and one-fourth to I. Weinberg, Brooklyn, N. Y. Apparatus for plucking fowls. 1,637,060; July 26.
Simons, Aaron, New York, assignor of one-fourth to N. Weinberg, and one-fourth to I. Weinberg, Brooklyn, N. Y. Fowl-plucking device. 1,637,061; July 26.
Skaer, Arthur H., and O. E. Clark, assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo. Lubricating system for rock-drill sharpeners. 1,637,012; July 26.
Skinner Irrigation Company, The. (See Coles, Walter H., assignor.)
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Blowing device. 1,637,203; July 26.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tube connection for rock drills. 1,637,204; July 26.
Slater, S., & Sons, Incorporated. (See Schlatter, Carl, assignor.)
Smith, A. O., Corporation. (See Stresau, R., and Woodhead, assignors.)
Smith, Francis X., New York, N. Y. Gas heater for printing presses. 1,636,790; July 26.
Smith, Ira E., Stockton, Calif. Oil-burner installation. 1,636,791; July 26.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,636,792; July 26.
Smith, William E. (See Reynolds, Charles L., assignor).
Smoots, Frank E. (See Callis, A. W., and Smoots.)
Snader, Earl E., Webster Groves, Mo. Automatic temperature-actuated refrigerant-regulating valve. 1,626,874; July 26.
Snyder, Caleb H., Winnsboro, La. Piston pin. 1,637,247; July 26.
Société Anonyme des Ateliers de Sécheron. (See Meyfarth, Gottlieb, assignor.)
Sollie, Sigurd A. (See Kolster, F. A., and Sollie.)
Somerford, Walter W., Rosslyn, Va. Refining bee honey. 1,636,719; July 26.
Soublier, Leonard D., assignor to The Owens Bottle Company, Toledo, Ohio. Glass feeder. 1,636,875; July 26.
South Bend Bait Co. (See Pagin, John B., assignor.)
Southmayd, Leon N., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Cushion tire. 1,636,759; July 26.
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Sparks-Withington Company, The. (See White, George A., assignor.)
Spencer, Lewis P., and W. H. Wilson, New Bedford, Mass. Shuttle. 1,636,841; July 26.
Staf, Axel H., assignor to Gorham Mfg. Company, Providence, R. I. Spoon or similar article. Des. 73,149; July 26.
Stafford Company, The. (See Jackson, Simeon S., assignor.)
Star Chandelier Co. (See Boehringer, John A., assignor.)
Starbuck, James R., Tampa, Fla. Garter. 1,636,720; July 26.
Stark, Willet E. (See Fox, O., and Stark.)
Steinmetz, Stefan, Berlin, Germany. Removal of the cerealins and drying of grain moistened for this purpose. 1,637,091; July 26.
Stenzel, Otto, Salt Lake City, Utah. Vehicle light lens. 1,636,928; July 26.
Stone, J., & Company. (See Darker, Alfred H., assignor.)
Strassburger, William J. (See Hornbostel, H., and Strassburger.)
Stratton, Fenton F., East Croydon, England. Carburetor. 1,636,793; July 26.
Stresau, Richard, Wauwatosa, and H. Woodhead, assignors to A. O. Smith Corporation, Milwaukee, Wis. Electrically-welded pipe coupling and making the same. 1,637,318; July 26.
Studiengesellschaft für Wirtschaft u. Industrie m. b. H. (See Weckerle, Ferdinand, assignor.)
Stuebner, Gustav. (See Masonick, J., and Stuebner.)
Stuebner, John. (See Masonick J., and Stuebner.)
Sullivan Machinery Company. (See Dee, Thomas L., assignor.)
Sulzberger, Nathan, New York, N. Y. Process and apparatus for lighting. 1,636,970; July 26.
Superheater Company, The. (See Ryder, Gilbert E., assignor.)
Superior Hat Company. (See Witteoff, Edward, assignor.)
Sutton, Eunice S. (See Ward, S. M., and Sutton.)
Swan, John W., Stamford, Conn. Manifold. 1,636,721; July 26.
Swamson, August, New Lexington, Ohio. Vehicle signal-light casing. Des. 73,150; July 26.
Swartz, Orlo E., assignor to The Ohio Match Company, Wadsworth, Ohio. Chute-clearing device for match machines. 1,636,876; July 26.
Swift, Edward B., Seattle, Wash. Ship's anchor. 1,636,760; July 26.
Symington Company, The. (See Barrows, Donald S., assignor.)
Symphonaer Co., The. (See Winder, Charles F., assignor.)
T. & L. Co., The. (See Tueckmantel, Hugo, assignor.)
Talbot, George W., Bloomington, Ind. Scored veneer and making same. 1,637,164; July 26.
Taylor, Herman J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Testing apparatus for solenoids and the like. 1,637,062; July 26.
Taylor Instrument Companies, The. (See Amdursky, Samuel S., assignor.)
Test, Ellis W. (See Hawkes, A. G., and Test.)
Tew, William W., Brundidge, Ala. Safety device for vehicles. 1,637,133; July 26.
Thatcher, J. H. (See Miller, Jesse P., assignor.)
Thermokept Corporation. (See Willison, Walter W., assignor.)
Thibaudeau, Charles E., Ivry-sur-Seine, France, assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 1,636,722; July 26.
Thomas, George P., Glenshaw, Pa. Metal-punching apparatus. 1,637,013; July 26.
Thompson, Augustus F., Huntington, W. Va. Gas burner. 1,637,014; July 26.
Thompson, Charles F., Youngstown, Ohio. Eye shield. 1,637,092; July 26.
Thompson, Lincoln, Naugatuck, and J. B. Marshall, Westport, assignors to The Bristol Company, Waterbury, Conn. Electrical pick-up device for phonograph records. 1,637,165; July 26.
Thompson, Thomas M., assignor of one-half to A. B. Wilson, Great Falls, Mont. Agricultural machine. 1,636,929; July 26.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric welding. 1,637,063; July 26.
Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Refrigerating apparatus. 1,636,877; July 26.
Thornley, Albert E., assignor to Narragansett Machine Company, Pawtucket, R. I. Pump. 1,636,878; July 26.
Thyssen & Co. Aktiengesellschaft. (See Glaubitz, Arthur, assignor.)
Thyssen, Conrad, Aachen, Germany. Feeding articles. 1,637,030; July 26.
Tichota, Rudolph, Dodge, Nebr. Antifrost vision appliance. 1,636,879; July 26.
Titusville Forge Company, et al. (See O'Brien, Frederick J., assignor.)
Tobey, Harry W., Pittsfield, Mass., assignor to General Electric Company. Electric welding. 1,637,031; July 26.
Tofteen, Olof A., Chicago, Ill. Fire-box inner casing. 1,636,761; July 26.

Tofteen, Olof A., Chicago, Ill. Oil burner. 1,637,064; July 26.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,636,842; July 26.
Tomlinson, Kenneth C., Berkeley, Calif., assignor to American Meter Company, Inc., New York, N. Y. Index-glass inclosure. 1,637,093; July 26.
Tramp, Karl, Chicago, Ill. Fluid-heating faucet. 1,637,205; July 26.
Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Protective device. 1,637,032; July 26.
Traylor, Samuel W., Allentown, Pa., and C. H. Ruggles, West Palm Beach, Fla. Retaining-wall construction. 1,637,065; July 26.
Truscon Steel Company. (See Groh, M. S., and Halls, assignors.)
Tucker, Stiles H., Wollaston, and S. B. Field, Holbrook, Mass. Clamping device. 1,636,880; July 26.
Tueckmantel, Hugo, assignor to The T. & L. Co., Inc., Newark, N. J. Bag-frame hinge. 1,636,971; July 26.
Tullis, David R., Clydebank, Scotland. Purifying or refining metals and alloys. 1,636,881; July 26.
Turner, Thomas W., Newport News, Va. Coffee urn. 1,637,286; July 26.
Ullin, Carl G., Centralia, Wash. Dry Kiln. 1,637,166; July 26.
Umsted, Bruce T., and E. N. Harris; said Harris assignor of forty-five one-hundredths of the entire right to John H. Johnson and Sons, Jackson, Tenn. Current rectifying and controlling system. 1,637,015; July 26.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Unger, Ernest, New York, N. Y. Chandelier. 1,636,723; July 26.
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United Shoe Machinery Corporation. (See Thibaudeau, Charles E., assignor.)
United States Chain & Forging Company. (See McGowen, William R., assignor.)
U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)
Van Ness, Henry E., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Stop-motion device for spinning frames. 1,636,945; July 26.
Vauclain, Samuel M., Rosemont, Pa. Driving wheel for locomotives, etc. 1,637,287; July 26.
Vell, John H., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Duplex telegraph system. 1,637,171; July 26.
Vestal, Albert H., et al. (See Malone, Adolph W., assignor.)
Vidinghoff, Charles A., assignor of one-half to A. R. Patterson, Rochester, N. Y. Work clamp. 1,637,184; July 26.
Vila, Alfonso, Guanabacoa, Cuba. Clamp for scaffolds. 1,636,930; July 26.
Villaret, Gustave E., Leonia, N. J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Bracket back for lighting fixtures. Des. 73,151; July 26.
Villaret, Gustave E., Leonia, N. J., assignor to Owen Walsh Mfg. Co., Inc., New York, N. Y. Bracket back for a wall lighting fixture. Des. 73,152; July 26.
Vineyard, Arthur A., Wood River, Ill. Concentrating sludge acids. 1,636,724; July 26.
Voglhut, Franz, Augsburg, Germany. Replacing broken or molten holding wires inside of incandescent electric lamps. 1,637,016; July 26.
Wade, Harold R., and L. M. Harley, assignors to Jas. H. Matthews & Company, Pittsburgh, Pa. Printing die. 1,637,094; July 26.
Wadsworth, George B., Covington, Ky. Electrical switch. 1,636,882; July 26.
Wahl Company, The. (See Johnson, J. E., assignor.)
Walker, Hiram L., assignor to Chandler Cleveland Motors Corporation, Cleveland, Ohio. Flexible driving coupling. 1,636,725; July 26.
Walsh, Owen, Mfg. Co. (See Villaret, Gustave E., assignor.)
Walters, Oliver H., assignor of one-half to H. M. Shockley, Tacoma, Wash. Hose coupling. 1,637,095; July 26.
Wandscheer, Gerrit, Sioux Center, Iowa. Beet harvester. 1,636,883; July 26.
Ward, Sena M., and E. S. Sutton, New York, N. Y. Garment hanger. 1,636,972; July 26.
Warner Elevator Manufacturing Company, The. (See McCormick, Harold V., assignor.)
Waters, Thomas F., assignor to Baker Brothers Glass Company of Okmulgee, Okla. Takedown apparatus. 1,636,974; July 26.
Wayne Company. (See Baker, Linnaeus E., assignor.)
Wayne, William F., Edwardsville, Ill. Rail joint. 1,636,884; July 26.
Weber, Friedrich W., Hackensack, N. J, Purification of oils. 1,636,946; July 26.
Weckerle, Ferdinand, assignor to Studiengesellschaft für Wirtschaft u. Industrie m. b. H., Munich, Germany. Electrical heating body for high temperatures especially for ceramic metallurgical processes and chemical processes. 1,637,167; July 26.
Weeks, Virgil, Kansas City, Mo. Wardrobe trunk. 1,637,206; July 26.
Weibel, Emil, Montreal, Quebec, Canada. Harness frame. 1,636,726; July 26.
Weightograph Company, The. (See Hamblin, Fred B., assignor.)
Weightograph Company, The. (See Shively, Louis S., assignor.)
Weil, Maximilian, New York, N. Y. Sound reproducer. 1,637,322; July 26.
Weiler, Edward G. (See Burke, W. B., and Weiler.)
Weinberg, Issay, et al. (See Simons, Aaron, assignor.)
Weinberg, Nathan, et al. (See Simons, Aaron, assignor.)
Wells, Frank, Mobile, Ala., assignor, by mesne assignments to Evr Klean Seat Pad Co., St. Louis, Mo. Clothes protector. 1,636,885; July 26.
Wendler, Alex, Charlottenburg, assignor to J. Falck, Berlin-Tempelhof, Germany, and C. H. Huberich, The Hague, Netherlands. Increase the crops of plants and fruits. 1,636,931; July 26.
Wertzberger, Dallas D., Tulsa, Okla. Bottom-leg construction for well derricks. 1,636,886; July 26.
Western Electric Company. (See Bell, John H., assignor.)
Western Electric Company. (See Boving, Henrik, assignor.)
Western Electric Company. (See Curtis, Alfred S., assignor.)
Western Electric Company. (See Maxfield, Joseph P., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Richard, Charles D., assignor.)
Western Tool and Wrench Company. (See Peterson, Axel W., assignor.)
Western Union Telegraph Company, The. (See Parker, L. F., and Bramhall, assignors.)
Westinghouse Air Brake Company, The. (See Burton, Thomas L., assignor.)
Westinghouse Air Brake Company, The. (See Elliott, Howard B., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Robinson, Conway, assignor.)
Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Booster-motor support. 1,636,843; July 26.
Westlake, Charles T., deceased, St. Louis, Mo.; L. A. Westlake, administratrix, Palestine, Tex., assignor to Commonwealth Steel Company, Granite City, Ill. Booster-motor support. 1,636,844; July 26.
Westlake, Lillian A., administratrix. (See Westlake, Charles T.)
Wettstein, Fritz, Summit, N. J., assignor to Ruths Accumulator Company, Incorporated, New York, N. Y. Steam accumulator plant. 1,637,066; July 26.
Wheeling Steel Corporation. (See Schrader, Herbert, assignor.)
Whisler, Ralph H. (See Fekete, S. I., and Whisler.)
Whitcomb, Louis E. (See Seidel, G. F., Salts, and Whitcomb.)
White, George A., assignor to The Sparks-Withington Company, Jackson, Mich. Fan. 1,637,319; July 26.
White, Jessee M., Philadelphia, Pa. Extension cord for electrical appliances. 1,636,973; July 26.
White, John W., Buffalo, N. Y., Locking mechanism. 1,637,248; July 26.
Whitehead & Hoag Company, The. (See Hoag, Philip O., assignor.)
Whitehouse, Walter P., Gravesend, England. Rubber and like forcing machine extrusion press and the like. 1,637,207; July 26.
Whitsitt, William B., Baltimore, Md. Valve mechanism. 1,637,135; July 26.
Wieckhorst, Herman, Brooklyn, N. Y. Vacuum cleaner. 1,637,067; July 26.
Wieland, William, assignor of one-half to J. K. Mohr, Bay City, Mich. Floating tractor hitch. 1,636,845; July 26.
Wild, Gunther P., Philadelphia, Pa. Door fastener. 1,637,168; July 26.
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Williamson, Floyd M. (See Williamson, Pearl H. and F. M.)
Williamson, Pearl H. and F. M., Detroit, Mich. Window. 1,636,762; July 26.
Willison, Walter W., Brooklyn, assignor to Thermokept Corporation, New York, N. Y. Treating food products. 1,637,068; July 26.
Willner, Elias, New York, N. Y. Infuser. 1,636,727; July 26.
Wilson, Archie B. (See Thompson, Thomas M., assignor.)
Wilson, Fred D., Harvey, assignor to Austin Manufacturing Co., Chicago, Ill. Road-surface resmoother. 1,637,208; July 26.
Wilson, William H. (See Spencer, L. P., and Wilson.)
Windell, Roy, Wilmington, Calif. Engine. 1,636,887; July 26.
Winder, Charles F., Hollywood, Calif., assignor to The Symphonaer Co. Organ. 1,637,323; July 26.
Wired Radio, Inc. (See Nicolson, Alexander M., assignor.)

Wiser, Oba, El Paso, Tex. Selective flotation of minerals from crude ores. 1,636,974; July 26.
Wishart, William, assignor to Climax Engineering Company, Clinton, Iowa. Compressor discharge valve. 1,636,888; July 26.
Wittcoff, Edward, assignor to Superior Hat Company, St. Louis, Mo. Harvest hat. 1,636,889; July 26.
Wolf, Isaiah W., Mobile, Ala. Screen fastener. 1,636,728; July 26.
Wolter, Herman H., assignor to The Miller Company, Meriden, Conn. Lamp. Des. 73,153; July 26.
Woodhead, Harry. (See Stresau, R., and Woodhead.)
Woods, Bert, Tulsa, Okla. Elevator. 1,637,209; July 26.
Wooley, Bruce D., Johnstown, Ohio. Wall-papering device. 1,637,288; July 26.
Worthington Pump and Machinery Corporation. (See Jorgensen, Olav E., assignor.)
Yarrington, Benson A., Grand Rapids, Mich. Filing machine or jig saw. 1,636,729; July 26.
Yates, William B., Ventura, Calif. Harmonica. 1,637,289; July 26.
Yost, Ray C. (See Burch, A., and Yost.)
Youngchild, Casper E., assignor to J. E. Alexander, Port Edwards, Wis. Wire-cleaning apparatus. 1,637,769; July 26.
Zorn, Walter M., East Cleveland, Ohio. Making concentrated fruit juice. 1,636,890; July 26.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Associating and delivery mechanism. 1,637,170; July 26.
Zukor, Arnold, New York, N. Y. Door fastener. 1,636,947; July 26.
Zuyderhoudt, Fanny. (See Zuyderhoudt, Pierre C.)
Zuyderhoudt, Pierre C., deceased, Brussels, Belgium; F. Zuyderhoudt, executrix. Retort oven for low-temperature carbonisation. 1,636,975; July 26.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF JULY, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accessory for use in connection with hair waving or curling appliances. B. M. Ray. 1,637,277; July 26.
Acetaldehyde, Producing. A. E. Craver. 1,636,952; July 26.
Acetic anhydride, Manufacturing. R. Meingast and M. Mugdan. 1,636,701; July 26.
Acid, Production of maleic. A. E. Craver. 1,636,857; July 26.
Acids, Concentrating sludge. A. A. Vineyard. 1,636,724; July 26.
Advertising apparatus, Monogrammic. P. Narayan. 1,636,827; July 26.
Aeroplane wings, Construction of. E. Dewoitine. 1,636,902; July 26.
Agricultural machine. T. M. Thompson. 1,636,929; July 26.
Alkaline potassium compounds, Manufacture of. W. Siegel. 1,636,710; July 26.
Amplifying apparatus. L. V. Lewis. 1,636,699; July 26.
Amusement device. L. J. Morin. 1,637,124; July 26.
Anchor block. C. G. Betts. 1,637,210; July 26.
Anchor davit. B. M. Schauman. 1,636,944; July 26.
Angle-cock holder. T. L. Burton. 1,636,805; July 26.
Animal trap. A. E. Johnson. 1,636,745; July 26.
Anthraquinone, Producing. A. E. Craver. 1,636,856; July 26.
Antifrost vision appliance. R. Tichota. 1,636,879; July 26.
Armature securing and centering means. M. Camors. 1,637,173; July 26.
Aromatic aldehydes, Production of. A. E. Craver. 1,636,855; July 26.
Articles, Feeding. C. Thyssen. 1,637,030; July 26.
Artificial tree. H. L. Berman. 1,636,981; July 26.
Associating and delivery mechanism. A. M. Zuckerman. 1,637,170; July 26.
Atomizer, Liquid. C. Hurley. 1,637,113; July 26.
Autographic register. P. A. Jackson. 1,636,961; July 26.
Automobile body, Convertible. F. Bunevac. 1,637,101; July 26.
Automobile license tags, Identification seal for. L. J. Kiger. 1,636,778; July 26.
Automobile top. C. C. and M. R. Hull. 1,637,112; July 26.
Automobiles, Antiskid chain for. R. O. Fronts. 1,636,990; July 26.
Automobiles, Nonskid chain for. F. Bond. 1,636,846; July 26.
Automobiles, Signal-control mechanism for. W. A. Eckert. 1,637,218; July 26.
Automobiles, Signal-viewing attachment for. B. W. David. 1,637,309; July 26.
Automotive brake. H. B. Elliott. 1,636,686; July 26.
Autos, Motor brake for. J. Kirchensteiner. 1,637,118; July 26.
Bag holder. J. Rigby. 1,637,131; July 26.
Bait, Fishing. J. B. Pagin. 1,636,832; July 26.
Bandeau. N. Eichel. 1,637,177; July 26.
Bar: *See*—
Metal bar.
Basin, Washing. R. O. Krasselt. 1,636,865; July 26.
Bathing suit. W. Osborne, jr. 1,637,157; July 26.
Bearing. G. A. Shoemaker. 1,637,317; July 26.
Bed with means for easing nature, Sick. V. Prettenthaler. 1,636,705; July 26.
Bee frames, Spacing arrangement for. H. Koepp. 1,637,002; July 26.
Belt conveyer arrangement. E. T. Cannon. 1,636,680; July 26.
Belt conveyors, Tripper for duplex. F. B. Caldwell. 1,636,986; July 26.
Belts, Closing device for. P. Ravigneaux. 1,636,925; July 26.
Benzine and oil separator. A. Kutzer. 1,636,866; July 26.
Blanks, Apparatus for trimming. R. M. Heames and B. W. Lindquist. 1,636,691; July 26.
Blister preventive and foot pad. F. Sheehan. 1,637,285; July 26.
Block: *See*—
Anchor block.
Blowing device. F. M. Slater. 1,637,203; July 26.
Boiler: *See*—
Electric steam boiler. Waste-heat boiler.
Steam boiler. Water-tube boiler.
Bottle. W. A. Herman. Des. 73,120; July 26.
Bottle. J. S. Lindemann. Des. 73,138; July 26.
Bottle cap. L. R. N. Carvalho. 1,636,849; July 26.
Bottle closure. W. E. Haskell, jr. 1,636,996; July 26.
Bottle holder, Nursing. M. S. Bulkley. 1,636,847; July 26.
Box: *See*—
Journal box. Vanity box.
Tempo box.
Box. W. R. Graham. 1,637,299; July 26.
Bracelet fastener. K. A. Schaefer. 1,636,869; July 26.
Bracelet link. P. J. Callowhill. Des. 73,122; July 26.
Brake: *See*—
Automotive brake. Motor brake.
Brake-chain-operating means. M. L. Howell. 1,637,151; July 26.
Brake-control-lubricating means. A. Y. Dodge. 1,636,903; July 26.
Brake mechanism. J. Greenberg and D. Dworkin. 1,637,300; July 26.
Brake mechanism. H. V. McCormick. 1,637,025; July 26.
Brake-operating means. G. E. Collins. 1,636,852; July 26.
Brooder. P. A. McGowan. 1,636,749; July 26.
Brooder and hover, Chicken. P. C. Clemmensen. 1,637,086; July 26.
Building, Storage. H. Hornbostel and W. J. Strassburger. 1,637,110; July 26.
Bumper, Automobile. J. A. Kehrer. 1,637,152; July 26.
Bumper, Vehicle. W. R. McGowen. 1,636,965; July 26.
Burner: *See*—
Gas burner. Oil burner.
Burner-regulating device. C. M. Fitch. 1,637,180; July 26.
Burner-regulating mechanism. C. M. Fitch. 1,637,179; July 26.
Burners, Thermostatic pilot control system for. O. Fox and W. E. Stark. 1,636,770; July 26.
Bushing extractor. A. D. Alexander. 1,636,796; July 26.
Button. W. W. Hobe. Des. 73,130; July 26.
Cabinet. M. Dumont. 1,636,738; July 26.
Cable guard. I. R. Quist. 1,637,241; July 26.
Cable tools and the like, Expansive drill bit for. J. P. Miller. 1,637,268; July 26.
Calculating device. L. H. Hempleman. 1,637,222; July 26.
Calculating machines, Control mechanism for. J. H. F. Silver. 1,636,718; July 26.
Calenders, Pressure-relieving means for hydraulic. C. Schlatter. 1,637,282; July 26.
Camera front catch. L. W. Lessler. 1,637,225; July 26.
Cameras, Focusing indicator for. C. Bornmann. 1,637,213; July 26.
Can opener. A. W. Peterson. 1,636,785; July 26.
Can opener and liquid preserver, Adjustable. S. Jensen. 1,636,821; July 26.
Capsules, Marking. K. K. Keller. 1,636,823; July 26.
Car coupler, Automatic. C. C. Farmer. 1,636,687; July 26.
Car roof. F. A. Jacobs. 1,637,307; July 26.
Cars, Vestibule guard for articulated. F. Koch. 1,637,193; July 26.
Carbon, Producing metallic. C. Robinson. 1,637,052; July 26.
Carburetor. F. G. Crone. 1,637,104; July 26.
Carburetor. A. L. Nilsson. 1,637,272; July 26.
Carburetor. F. F. Stratton. 1,636,793; July 26.
Carburetor feed control, Automatic. C. W. Collins. 1,636,851; July 26.
Carrier: *See*—
Medicament carrier.
Carrying device or belt for breathing apparatus, particularly self-rescuing apparatus. A. B. Driger. 1,636,766; July 26.
Carton. H. L. Greve. Des. 73,127; July 26.
Case: *See*—
Cigarette case.
Cash register. W. J. Kreider. 1,636,747; July 26.
Casing head. A. L. Segelhorst. 1,637,055; July 26.
Casket. A. H. Niemeyer. 1,637,271; July 26.
Catalyst carrier, Production of. C. R. Downs. 1,636,685; July 26.
Cement composition and preparation. A. M. Nicolson. 1,636,830; July 26.
Cereal ins and drying of grain moistened for this purpose, Removal of the. S. Steinmetz. 1,637,091; July 26.
Chair: *See*—
Support chair.

Chandelier. E. Unger. 1,636,723; July 26.
Cigar-making machine. A. Noel. 1,636,922; July 26.
Cigarette case. P. Cabangis. 1,636,732; July 26.
Cigarette papers, Case for. F. Merensky. 1,637,229; July 26.
Cinematographic and photographic view taking apparatus, Focusing device for. A. L. V. C. Debrie. 1,636,736; July 26.
Circuit controller, Combined automatic and manual. L. P. Hutt. 1,637,042; July 26.
Circuit tester, Electric-. W. F. and F. P. Robinson. 1,636,707; July 26.
Clamp: *See*—
Work clamp.
Clamp. H. R. Longanecker. Re16,688; July 26.
Clamping device. S. H. Tucker and S. B. Field. 1,636,880; July 26.
Cleaner: *See*—
Vacuum cleaner.
Clothes protector. F. Wells. 1,636,885; July 26.
Clutch, Friction. J. A. Guay. 1,637,184; July 26.
Clutch-protecting device. C. M. Hibbets. 1,636,950; July 26.
Clutch transmission, Hydraulic. E. H. McKinney. 1,636,700; July 26.
Cobaltous acetate, Production of. H. Schatz. 1,637,281; July 26.
Coffee urn. T. W. Turner. 1,637,286; July 26.
Coil tester. F. Pucillo. 1,636,968; July 26.
Coil-winding method and apparatus. D. R. Lovejoy. 1,637,121; July 26.
Coin bank, Nonrefillable. P. O. Hoag. 1,637,312; July 26.
Colter, Rolling. F. L. Dewey. 1,636,810; July 26.
Comb: *See*—
Foldable comb.
Comb. G. Kohlmeyer. Des. 73,133; July 26.
Comb and making the same. B. Ames. 1,637,249; July 26.
Combination lock. G. B. Poindexter. 1,637,009; July 26.
Concrete cribbing, Reenforced-. R. H. Ford, C. P. Richardson, A. L. Greenabaum, and H. M. Priest. Re16,689; July 26.
Concrete, Method of and composition for treating. N. C. Johnson. 1,637,321; July 26.
Concrete mixers, Drive for transit. C. L. Reynolds. 1,636,926; July 26.
Concrete, sandstone, clay, brickwork, and the like, Production of a cold glaze upon building material, such as. K. Friedrich. 1,636,860; July 26.
Concrete slab. F. D. Copock. 1,637,215; July 26.
Copyholder. P. Grabler. 1,637,075; July 26.
Core drill. L. F. Bonney. 1,636,896; July 26.
Core drill. T. L. Dee. 1,637,295–6; July 26.
Corset. J. Leonard. 1,637,313; July 26.
Coupling: *See*—
Driving coupling. Hose coupling.
Flexible coupling.
Coupling. J. L. Lemerond. 1,637,081; July 26.
Coupling. L. Reisfeld. 1,636,706; July 26.
Crank casing. W. B. Pohle. 1,636,756; July 26.
Crate. M. A. Brown. 1,636,804; July 26.
Cultivator. F. G. Griggs. 1,636,936; July 26.
Cultivator. A. McEntee. 1,637,122; July 26.
Cup: *See*—
Oil cup.
Current rectifying and controlling system. B. T. Umsted and E. N. Harris. 1,637,015; July 26.
Curtain and shade holder and rod for use therewith, Combined. J. Rasp. 1,636,835; July 26.
Curtain-pole fixture. W. F. Hofmann. Des. 73,131; July 26.
Curtain, Vehicle. J. L. Drohen. 1,637,297; July 26.
Cutting device. R. W. Donovan. 1,636,812; July 26.
Dental forceps. P. B. J. Griveau. 1,636,861; July 26.
Derricks, Bottom-leg construction for well. D. D. Wertzberger. 1,636,886; July 26.
Desk, Portable. D. B. O'Kelly. 1,636,783; July 26.
Diaphragm, Nonresonant. E. Reiss. 1,637,243; July 26.
Die: *See*—
Printing die.
Dies, Manufacturing. F. Honig. 1,637,111; July 26.
Dirt collector, Centrifugal. S. L. Joiner. 1,637,257; July 26.
Display board or similar article. S. H. Harris. Des. 73,128; July 26.
Display card. B. A. Fueglein. 1,636,991; July 26.
Display rack. H. Glaberman. 1,636,771; July 26.
Displaying device. H. H. Hendsch. 1,637,305; July 26.
Door catch, Clip. I. C. Larson, and G. S. Cooper. 1,636,697; July 26.
Door-control system. C. S. Klumpp. 1,636,746; July 26.
Door fastener. A. Zukor. 1,636,947; July 26.
Door lock. V. Peterson. 1,637,275; July 26.
Door lock, Three-way. S. L. Ornoski. 1,637,127; July 26.
Door, Metallic car. A. S. Barrows. 1,636,891; July 26.
Doors, Support for folding. J. C. Koop. 1,637,194; July 26.
Draft rigging. D. S. Barrows. 1,637,099; July 26.
Drill: *See*—
Core drill. Rock drill.
Drill holder, Rock-. W. H. and J. H. Goodland. 1,636,934; July 26.
Drilling apparatus, Flexible pipe slip for. F. J. O'Brien. 1,637,200; July 26.
Drilling stems, Elevator for oil-well-. K. D. Neely. 1,637,270; July 26.
Drills, Tractor hitch for. H. B. Bosard. 1,636,802; July 26.
Driving coupling, Flexible. H. L. Walker. 1,636,725; July 26.
Duplicator. E. Lichtenstein. 1,636,780; July 26.
Easel. N. E. Harris. 1,637,255; July 26.
Edging machine. H. J. Gaisman and C. Schumacher. 1,637,074; July 26.
Egg beater. F. E. Corwin. 1,637,103; July 26.
Electric-arc cutting and welding apparatus, Transformer for. F. C. Owen. 1,637,237; July 26.
Electric circuits, Thermal protective device for. O. Dreyer. 1,636,953; July 26.
Electric conductor, Composite. D. Basch. 1,637,033; July 26.
Electric conductor, Paper-insulated. J. R. Long. 1,636,748; July 26.
Electric connecter. A. H. Simmons. 1,637,059; July 26.
Electric low-speed unit. O. Cullman. 1,637,106; July 26.
Electric magnetic switch for controlling the circuits of train-lighting and similar installations. A. H. Darker. 1,636,900; July 26.
Electric meter. W. H. Pratt. 1,637,408; July 26.
Electric steam boiler. E. Schieck. 1,636,788; July 26.
Electric switch. F. A. Boedtcher. 1,636,895; July 26.
Electric switch, Interlocking. W. B. Burke and E. G. Weller. 1,636,932; July 26.
Electric switch, Multiple-break. L. A. Brown. 1,636,984; July 26.
Electrical apparatus. J. C. Marshall. 1,637,262; July 26.
Electrical appliances, Extension cord for. J. M. White. 1,636,973; July 26.
Electrical heating body for high temperatures especially for ceramic metallurgical processes and chemical processes. F. Weckerle. 1,637,167; July 26.
Electrical machines, Rotor for. A. Glaubitz. 1,637,182; July 26.
Electrical switch. G. B. Wadsworth. 1,636,882; July 26.
Electrical transformer. F. C. Owen. 1,637,238; July 26.
Elevator. B. Woods. 1,637,209; July 26.
Embroidery frame. P. Carbone. 1,636,681; July 26.
Engine: *See*—
Rotary engine.
Engine. R. Windell. 1,636,887; July 26.
Engines, Fresh-air heater for internal-combustion. A. Nolzen. 1,637,006; July 26.
Engines, Fuel control in internal-combustion. H. Junkers. 1,636,998; July 26.
Engines, Impulse equalizer for internal-combustion. G. H. Scully. 1,637,245; July 26.
Engines, Reversing and starting mechanism for internal-combustion. O. E. Jorgensen. 1,636,964; July 26.
Engines, Valve mechanism for internal-combustion. J. O. Almen. 1,637,017; July 26.
Eraser-holding device and the like. J. E. Johnson. 1,636,822; July 26.
Expansion joint, Hinged. A. C. Fischer. 1,637,178; July 26.
Expansion shields, Setting tool for. R. E. Ogden. 1,636,831; July 26.
Exterminator. E. J. Seaver. 1,637,246; July 26.
Exterminator, Boll-weevil. E. F. Gomes. 1,637,254; July 26.
Extinguisher, Cigarette. R. E. Burress. 1,637,172; July 26.
Extractor: *See*—
Bushing extractor.
Eyeglass frame. G. E. Nerney. Des. 73,142; July 26.
Eye shield. C. F. Thompson. 1,637,092; July 26.
Fabric: *See*—
Knit fabric.
Fan. G. A. White. 1,637,319; July 26.
Fastener. E. Melberg. 1,636,824; July 26.
Fastener, Door. G. P. Wild. 1,637,168; July 26.
Faucet, Dispensing. G. N. Hein, F. L. Platt, and R. R. Impey. 1,636,817; July 26.
Faucet, Fluid-heating. K. Tramp. 1,637,205; July 26.
Faucet, Receptacle-actuated. C. W. Hathaway. 1,637,221; July 26.
Feeder, Chicken. R. O. Schroeder and G. Forslund. 1,637,132; July 26.
Fence. A. H. Ball. 1,637,136; July 26.
Fibrous material in aligned condition, Method and apparatus for supplying. E. Anderson. 1,636,977; July 26.
Filing machine or jig saw. B. A. Yarrington. 1,636,729; July 26.
Film-tensioning mechanism, Automatic. F. E. Garbutt. 1,636,954; July 26.
Filter, Electrical wave. E. Dietze. 1,636,737; July 26.
Filter, Electrical wave. G. C. Reier. 1,636,713; July 26.
Filtering apparatus, Rotary-drum. L. Hertenbein. 1,636,739; July 26.
Firearm, Automatic. G. Norman. 1,637,234–5; July 26.
Fire-box inner casing. O. A. Toftteen. 1,636,761; July 26.
Fire escapes, Safety device for power-operated. F. Hetselberger. 1,637,190; July 26.
Flange, Creased. J. A. Gray. 1,636,957; July 26.
Flatirons, Holder for. A. J. Larson. 1,637,120; July 26.
Flexible coupling. H. Hill. 1,636,692; July 26.

Foldable comb. H. Scholl. 1,636,870; July 26.
Food products, Treating. W. W. Willison. 1,637,068; July 26.
Foot-measuring device. M. J. O'Sullivan. 1,636,754; July 26.
Forging balls from long bars. A. Canda. 1,638,808; July 26.
Frame: *See*—
Embroidery frame. Harness frame.
Fruit juice, Making concentrated. W. M. Zorn. 1,636,890; July 26.
Fuel and other oils from water contaminated therewith, Apparatus for separating. E. W. Green and H. Ogden. 1,636,815; July 26.
Fuel-feeding mechanism. C. H. Quinn. 1,637,028; July 26.
Fuel, Gaseous. J. Harris. 1,637,187; July 26.
Fuel tanks and the like, Fire-preventing cover for. E. G. Garcia. 1,637,298; July 26.
Funnel. W. H. Sigley. 1,636,789; July 26.
Furnace: *See*—
Liquid-fuel furnace. Ore furnace.
Oil-burning furnace.
Furnace, I. S. Pieters. 1,637,159; July 26.
Furnace regulator. J. Goldberg. 1,636,906; July 26.
Furnace wall, Cooled. F. B. Bigelow. 1,636,894; July 26.
Fuse-plug-cap assembly. N. W. Nutt. 1,637,274; July 26.
Gambrel. D. L. Millsap. 1,636,751; July 26.
Game. R. and I. W. Jacobs. 1,636,994; July 26.
Game. E. C. Nichols. 1,636,920; July 26.
Game. O. H. Renz. 1,637,278; July 26.
Game, Ability. A. Biberfeld. 1,636,893; July 26.
Game apparatus. A. A. Rees. 1,637,010; July 26.
Garment hanger. S. M. Ward and E. S. Sutton. 1,636,972; July 26.
Garter. J. R. Starbuck. 1,636,720; July 26.
Gas burner. A. F. Thompson. 1,637,014; July 26.
Gas gun. J. W. Karner, jr. 1,637,079; July 26.
Gasoline-tank cap lock. C. A. Roberts. 1,637,279; July 26.
Gas meters inclosing a vertically-slidable body, Sealing means for use in. K. Jagschitz. 1,636,963; July 26.
Gear, Draft. E. F. Carry. 1,637,071; July 26.
Gear yoke and making same, Draft-. A. G. Hawkes and E. W. Test. 1,636,890; July 26.
Gearing. C. M. Eberling. 1,637,142; July 26.
Gem materials, Producing. L. H. Barnett. 1,637,201; July 26.
Glass feeder. L. D. Soubier. 1,638,875; July 26.
Glass wiper. J. H. Lehman. 1,636,916; July 26.
Glove, Work. H. Gulllan. 1,637,181; July 26.
Granite block, Producing a polished surface on. E. A. Chase. 1,637,138; July 26.
Grate, Oven. F. E. Heath. 1,637,303; July 26.
Grate, Water-cooled. W. H. Cunningham and J. T. Rowan. 1,637,216; July 26.
Hair and scalp, Apparatus for treating the. J. C. Casey. 1,637,035; July 26.
Hairbrush with comb. A. Meltzer. 1,637,083; July 26.
Hammer and drill, Electric. N. Piscionere. 1,636,923; July 26.
Hand bag, Collapsible. M. F. Roser. 1,636,838; July 26.
Hand-bag frame. E. Poeter. Des. 73,146; July 26.
Hand planing machine. G. Jehle. 1,636,863; July 26.
Handle: *See*—
Mop handle.
Hanger: *See*—
Garment hanger.
Harmonica. W. B. Yates. 1,637,280; July 26.
Harness frame. E. Weibel. 1,636,726; July 26.
Harvester, Beet. G. Wandscheer. 1,636,853; July 26.
Harvesting apparatus, Hay-. O. B. Paulson. 1,637,048; July 26.
Hat and shoe drawer, Combined. F. W. Meyer. 1,636,702; July 26.
Hat bandeau. J. M. Nelson. 1,637,126; July 26.
Hatbox. J. A. Holtzman. 1,637,223; July 26.
Hat, Harvest. E. Wittcoff. 1,636,889; July 26.
Hearses, Casket-retaining device for. W. B. Parsels. 1,637,239; July 26.
Heat-exchanging apparatus. J. Forgan-Potts. 1,637,276; July 26.
Heat-transfer device. I. Harter. 1,636,958; July 26.
Heater: *See*—
Water heater.
Heel, Rubber. A. Golub. 1,636,772; July 26.
Hinge, Bag-frame. H. Tueckmantel. 1,636,971; July 26.
Hoist drums, Lubricating system for. R. G. Barnes. 1,636,892; July 26.
Holder for balls of thread. A. Seibold. 1,636,871; July 26.
Honey, Refining bee. W. W. Somerford. 1,636,719; July 26.
Hook: *See*—
Spoon hook. Swinging hook.
Hook. F. W. Nittel. 1,637,315; July 26.
Horn. T. J. Scofield. 1,637,316; July 26.
Horn or the like, Treatment of. F. Homberg. 1,636,818; July 26.
Hose coupling. O. H. Walters. 1,637,095; July 26.
Humidifier. J. L. McKay. 1,637,122; July 26.
Hydrocarbon, Catalytic oxidation of aromatic. A. E. Craver. 1,636,854; July 26.
Hydrometer bulb. L. Edelmann. 1,637,219; July 26.
Index-glass inclosure. K. C. Tomlinson. 1,637,093; July 26.
Indicator: *See*—
Temperature indicator.
Induction motor. J. I. Hull. 1,637,041; July 26.
Induction motor, Self-excited. J. I. Hull. 1,637,040; July 26.
Infuser. E. Willner. 1,636,727; July 26.
Ironing boards, Pad for. H. Kobrin. 1,636,918; July 26.
Jar and closing mechanism, Fruit. L. O. Culver. 1,636,684; July 26.
Joint: *See*—
Expansion joint. Rail joint.
Jointers, Feed device for. E. D. Church. 1,637,175; July 26.
Journal box, Separable. H. C. Dreibuss. 1,636,767; July 26.
Kiln, Dry. C. G. Ullin. 1,637,166; July 26.
Knee pad. M. W. Kelley. 1,637,116; July 26.
Knit fabric. R. Rothman. 1,636,943; July 26.
Ladder, Mechanical. H. Mattes. 1,637,197; July 26.
Lamp. H. H. Wolter. Des. 73,153; July 26.
Lamp and supporting bracket, Combined. E. M. Garey. Des. 73,126; July 26.
Lamp arm or a similar article, Bridge-. J. A. Boehringer. Des. 73,121; July 26.
Lamp base, Portable. A. J. Carmichael. 1,636,735; July 26.
Lamp, Beacon. A. V. Conover. 1,637,072; July 26.
Lamp, Coiled-filament incandescent. J. Bergmans. 1,637,034; July 26.
Lamps or similar article, Pedestal for table. A. H. Rimberg. Des. 73,148; July 26.
Lamps, Replacing broken or molten holding wires inside of incandescent electric. F. Voglhut. 1,637,016; July 26.
Last. J. Benda. 1,636,677; July 26.
Latch, Door. W. Schlegel. 1,636,868; July 26.
Latch, Window. O. Millauro. 1,636,782; July 26.
Lawn sprinkler. W. H. Coles. 1,637,140; July 26.
Leg structure. E. S. Johnson. 1,636,912; July 26.
Lens measure. A. E. Maynard. 1,637,024; July 26.
Lens, Vehicle light. O. Stensel. 1,636,928; July 26.
Lenses, Making multifocal. F. Fraser. 1,637,021; July 26.
Letters or other mail to the prepayment machines, Mechanism for feeding the. W. Friedrichs. 1,637,253; July 26.
Lifter: *See*—
Pan lifter. Valve-spring lifter.
Light-globe protector. L. Bennett. 1,636,980; July 26.
Lighting fixtures, Bracket back for. G. E. Villaret. Des. 73,151; July 26.
Lighting outfit, Decorative. V. M. Montsinger. 1,637,046; July 26.
Lighting, Process and apparatus for. N. Sulzberger. 1,636,970; July 26.
Line attachment. F. B. Carland. 1,637,174; July 26.
Liquid-cooling device. C. E. Olmstead. 1,637,008; July 26.
Liquid-dispensing apparatus. W. T. Hatmaker and E. E. Eickmeyer. 1,637,146; July 26.
Liquid-fuel furnace. H. Junkers. 1,636,999; July 26.
Liquid measuring and dispensing apparatus. L. E. Baker. 1,637,251; July 26.
Lock: *See*—
Combination lock. Gasoline-tank cap lock.
Door lock. Spring lock.
Lock. A. E. Anakin. 1,637,097; July 26.
Locking mechanism. J. W. White. 1,637,248; July 26.
Locomotive. N. T. McKee. 1,636,781; July 26.
Locomotive tender with oil separator. G. E. Ryder. 1,636,787; July 26.
Locomotives, etc., Driving wheel for. S. M. Vauclain. 1,637,287; July 26.
Looms, Bobbin guide for filling-replenishing. H. A. Davis. 1,636,901; July 26.
Looms, Clutch mechanism for. J. Northrop. 1,636,703; July 26.
Looms, Feeler mechanism for. E. A. Cunniff. 1,636,899; July 26.
Looms, Harness stop motion for. G. Rheault. 1,636,927; July 26.
Looms, Lay structure for power. C. Senn. 1,636,717; July 26.
Looms, Thread cutter and stop motion for weft-replenishing. D. Dackmine and H. Monier. 1,637,217; July 26.
Looms, Weft-parter device for. S. S. Jackson. 1,637,114; July 26.
Lubricating apparatus, Connecter for. R. P. Jacques. 1,637,325; July 26.
Lubricating composition and making the same. S. E. Adler. 1,636,976; July 26.
Mailing package. H. L. Greve. 1,636,773; July 26.
Machine for expanding metal sheets. M. S. Grob and J. H. Halls. 1,636,774; July 26.
Machine for stretching, drying, and winding up tubular fabric. S. Cohn. 1,636,685; July 26.
Magnets, Process and apparatus for recharging. S. V. Losey. 1,636,941; July 26.
Manifold. J. W. Swan. 1,636,721; July 26.
Manure spreader. L. B. Neighbour. 1,636,829; July 26.
Manure spreader. L. B. Neighbour. 1,637,252; July 26.
Match-box holder. C. March. 1,637,260; July 26.

Match machines, Chute-clearing device for. O. E. Swartz. 1,636,876; July 26.
Mechanical strength, Testing of. A. Schopper. 1,637,011; July 26.
Medicament carrier. J. A. Lawton. 1,637,153; July 26.
Metal bar, Cross-jointed. S. J. Gary. 1,637,220; July 26.
Metal-bending machine. T. Rolley. 1,636,786; July 26.
Metal boxes, Producing the shells of. A. F. Reilly. 1,637,242; July 26.
Metal-punching apparatus. G. P. Thomas. 1,637,013; July 26.
Metal-working implement. C. Johanson. 1,636,744; July 26.
Metal-working machines, Work feeding and clamping means for. F. M. Davis. 1,637,176; July 26.
Metals and alloys, Purifying and refining. D. R. Tullis. 1,636,881; July 26.
Metallic composition. H. Boving. 1,636,763; July 26.
Meter: *See*—
Electric meter.
Milk powder and product produced thereby, Treating. W. G. Hawley. 1,637,311; July 26.
Milling-machine construction. F. A. Parsons. 1,636,755; July 26.
Minerals from crude ores, Selective flotation of. O. Wiser. 1,636,974; July 26.
Molding press, Hydraulic. C. C. Jacobson. 1,636,962; July 26.
Mop handle. J. S. Roux. 1,636,714; July 26.
Motor: *See*—
Induction motor. Traction motor.
Motor brake. J. Kirchensteiner. 1,637,117; July 26.
Motor exciting system, Induction. W. Selz. 1,637,057; July 26.
Motor fuel. C. E. H. North and A. H. Hudson. 1,637,007; July 26.
Motor support, Booster-. C. T. Westlake. 1,636,843–4; July 26.
Motor with extra cooling of the air or fuel mixture before the admission into the working cylinders. O. W. Holt. 1,636,937; July 26.
Motors and apparatus therefor, Starting induction. H. O. Bree. 1,637,292; July 26.
Motors, Controller for electric. E. W. Seeger. 1,637,054; July 26.
Multiplication, Frequency. K. Schmidt. 1,637,283; July 26.
Nail package. W. B. Palmer. 1,637,128; July 26.
Napkin, Paper. F. A. Conrad. Des. 73,123; July 26.
Nose tile. P. C. C. Friderichsen. Des. 73,124–5; July 26.
Nozzle, Douche. J. Rose. 1,636,969; July 26.
Nut blanks, Making. J. F. Golding. 1,636,955–6; July 26.
Oil burner. O. A. Tofteen. 1,637,064; July 26.
Oil-burner installation. I. E. Smith. 1,636,791; July 26.
Oil-burning furnace. F. G. Neal. 1,637,269; July 26.
Oil cup. H. L. Hunt. 1,36,742; July 26.
Oil dispenser. C. E. Melville and A. C. Peterson. 1,637,228; July 26.
Oils, Decolorizing, clarifying, and purifying petroleum. H. L. Knuffman and I. A. Clark. 1,636,938; July 26.
Oils, Purification of. F. W. Weber. 1,636,946; July 26.
Ophthalmic mountings, Composition rim for. E. L. Schumacher. 1,637,029; July 26.
Ore furnace. F. M. Simonds. 1,637,163; July 26.
Organ. C. F. Winder. 1,637,323; July 26.
Oven. R. Eickworth. 1,636,989; July 26.
Oven, Bake. P. Ahlheim. 1,636,795; July 26.
Overshoe. F. H. Martin. Des. 73,139; July 26.
Overshoe. W. E. Piper. 1,637,027; July 26.
Packaging articles of furniture and the like and pack or shell incasement therefor. R. M. Buck. 1,637,137; July 26.
Packet container. E. J. Reading. 1,636,757; July 26.
Pad: *See*—
Knee pad.
Pad for infants. B. Padolsky. 1,637,088; July 26.
Pail, Aluminum dinner. J. C. Fritzges. 1,637,144; July 26.
Pail cover, Fruit-picking. A. Burch and R. C. Yost. 1,636,679; July 26.
Pails, Header for. H. Schrader. 1,636,839; July 26.
Pan lifter. A. R. McDaniel. 1,637,227; July 26.
Paper, Method and machine for making. C. V. Proctor. 1,637,240; July 26.
Pedestal. D. V. Martin. 1,636,966; July 26.
Pencil, Mechanically-operated lead. C. H. Patten. 1,636,704; July 26.
Pencil, Propelling. E. Hassinger. 1,636,862; July 26.
Pens, Self-filler lever device for fountain. W. A. Rappeport and C. Hardy. 1,637,202; July 26.
Permanent waving, Tube for. W. S. Lewis. 1,637,147; July 26.
Phase-failure protection. B. W. Jones. 1,637,043; July 26.
Phonograph records, Electrical pick-up device for. L. Thompson and J. B. Marshall. 1,637,165; July 26.
Photo-electric cell. M. Centeno Y. 1,637,293; July 26.
Photographs, Apparatus for obtaining three-color. G. Cuénin. 1,637,294; July 26.
Picture-frame construction. V. E. Hansen. 1,637,188; July 26.
Pictures, Exhibiting moving. T. K. Peters and T. C. Bartlam. 1,636,834; July 26.
Piezoaudion. A. M. Nicolson. 1,636,921; July 26.
Pin: *See*—
Piston pin.
Pipe coupling and making the same, Electrically-welded. R. Stresau and H. Woodhead. 1,637,318; July 26.
Piston. J. F. Norton. 1,637,273; July 26.
Piston pin. C. H. Snyder. 1,637,247; July 26.
Piston ring. J. F. Panyard. 1,636,833; July 26.
Pistons, Centering device for. K. F. McJilton. 1,636,918; July 26.
Planter attachment, Checkrow-. J. P. Boddiger. 1,637,212; July 26.
Plants and fruits, Method to increase the crops of. A. Wendler. 1,636,931; July 26.
Plate, Paper baking. A. Bothe. 1,637,100; July 26.
Platform, Car. E. G. Hallquist. 1,636,816; July 26.
Pliers, Watchmaker's. S. Gruber. 1,637,108; July 26.
Plucking device, Fowl-. A. Simons. 1,637,061; July 26.
Plucking fowls, Apparatus for. A. Simons. 1,637,060; July 26.
Plug, Angle. T. J. Kerwin. 1,636,939; July 26.
Plug, Attachment. E. C. Ballman. 1,636,798; July 26.
Plunger body, One-piece. H. M. Green. 1,636,935; July 26.
Poison composition. O. F. Hedenburg. 1,636,776; July 26.
Pole, Metal. A. W. Malone. 1,637,259; July 26.
Pot: *See*—
Transplanting pot.
Pot head, Automatic disconnecting. A. C. Rumble. 1,637,090; July 26.
Poultry-dipping mechanism. J. Allen. 1,637,096; July 26.
Powder charger. A. W. Callis and F. E. Smoots. 1,636,734; July 26.
Power controller. J. G. Maclaren. 1,637,314; July 26.
Power plant. W. L. Jeffreys. 1,637,115; July 26.
Press: *See*—
Molding press. Printing press.
Press and the like, Rubber and like forcing machine extrusion. W. P. Whitehouse. 1,637,207; July 26.
Pressure lubricating system and apparatus. H. J. Murphy. 1,637,326; July 26.
Pressure regulator. A. M. Nichols. 1,637,085; July 26.
Priming device. H. H. Bridge. 1,636,897; July 26.
Printing die. H. R. Wade and L. M. Harley. 1,637,094; July 26.
Printing forms, Locking device for. A. J. Blasek. 1,637,009; July 26.
Printing press. R. R. McCormick. 1,636,917; July 26.
Printing presses, Fluid-pressure web controller for. A. J. Cline and J. A. Hollander. 1,636,987; July 26.
Printing presses, Gas heater for. F. X. Smith. 1,636,790; July 26.
Printing presses, Solenoid web controller for. A. J. Cline and J. A. Hollander. 1,636,988; July 26.
Printing-telegraph exchange system. D. B. Perry. 1,637,324; July 26.
Propellers, Manufacture of screw. H. Leitner. 1,637,224; July 26.
Protective device. O. C. Traver. 1,637,032; July 26.
Pulley, Sash. C. E. McCall. 1,637,267; July 26.
Pulverizer. T. J. Barnes. 1,637,098; July 26.
Pulverizing machine. P. A. Hirsch. 1,636,693; July 26.
Pump. J. A. Morgan. 1,636,826; July 26.
Pump. A. E. Thornley. 1,636,878; July 26.
Pump handles and the like, Rod connection for. H. B. Nelson. 1,637,125; July 26.
Pump, Tank. R. C. Nicoll. 1,636,711; July 26.
Pumping mechanism, Bong-stroke. F. F. Hill. 1,637,078; July 26.
Puncturepproof cushion wheel. M. A. Robin. 1,637,280; July 26.
Push and pull switch. B. A. Benson. 1,636,678; July 26.
Rack: *See*—
Display rack.
Racket, Tennis. R. H. Robinson. 1,636,867; July 26.
Radiant energy, Transmission system for. J. H. Hammond, jr. 1,637,310; July 26.
Radiant heater. L. S. Lawson. Des. 73,134–7; July 26.
Radiator, Auxiliary cooler for. R. J. Coale. 1,637,102; July 26.
Radio apparatus, Dial for. F. W. Renwick. 1,637,051; July 26.
Radio receiving apparatus, Reproducer for. T. Lindenberg. 1,636,940; July 26.
Radio receiving system. E. W. Kellogg. 1,637,045; July 26.
Radio system. P. F. Shuey. 1,637,058; July 26.
Radio tube socket. G. Mendes. 1,637,084; July 26.
Rail joint. W. F. Wayne. 1,636,884; July 26.
Record book, Manifold. A. J. Mirski. 1,637,156; July 26.
Refrigerating apparatus. A. E. Thornley. 1,636,877; July 26.
Register: *See*—
Autographic register. Cash register.
Regulator: *See*—
Furnace regulator. Pressure regulator.
Relay. L. J. Girard. 1,636,933; July 26.
Retort. K. L. Ford. 1,636,768; July 26.
Retort oven for low-temperature carbonisation. P. C. Zuyderhoudt. 1,636,975; July 26.
Ring: *See*—
Piston ring.

Rivet-making machine. M. Dwyer and R. J. Boyle. 1,637,107; July 26.
Roach tablets, Composition and preparing. P. F. Harris. 1,636,688; July 26.
Road-surface resmoother. F. D. Wilson. 1,637,208; July 26.
Rock drill. A. H. Kaeterjohn. 1,637,000; July 26.
Rock drills, Disk valve for. C. C. Hansen. 1,637,185; July 26.
Rock drills, Feed-screw motor for. C. C. Hansen. 1,637,186; July 26.
Rock drills, Tube connection for. F. M. Slater. 1,637,204; July 26.
Roofings, Manufacture of prepared. J. E. Miller. 1,636,750; July 26.
Rooms, Supporting means for dry. S. C. Markatos. 1,637,261; July 26.
Rotary engine. B. M. Berntsen. 1,636,799; July 26.
Rotary switch. F. C. De Reamer. 1,637,038; July 26.
Ruling machines and the like, Sheet stop mechanism for. A. Broadmeyer. 1,636,983; July 26.
Sales book, Manifolding. E. K. Bottle. 1,636,801; July 26.
Sand-blasting machine. F. Leu. 1,637,196; July 26.
Sash-bar construction. G. W. Clay. 1,636,764; July 26.
Saw Cut-off. T. E. Porter. 1,636,924; July 26.
Saxophone cord. A. S. Lang. 1,637,003; July 26.
Scaffolds, Clamp for. A. Vila. 1,636,930; July 26.
Scale. F. B. Hamblin. 1,636,908; July 26.
Scale frame. A. J. and H. M. Jacobs. Des. 73,132; July 26.
Scale, Spring. J. W. Rockefeller, jr. 1,636,708; July 26.
Scales, Eccentrically-adjustable cam for. L. S. Shively. 1,636,873; July 26.
Scraper. A. B. Esseltine. 1,637,073; July 26.
Screen fastener. I. W. Wolf. 1,636,728; July 26.
Separator: *See*—
Benzine and oil separator.
Sewing-machine batteries, Driving mechanism for. J. R. Hanson. 1,636,995; July 26.
Sewing machines, Fan attachment for. S. and L. Renna. 1,636,758; July 26.
Shackle, Dipping. G. F. Seidel, F. O. Salts, and L. E. Whitcomb. 1,636,872; July 26.
Shackle, Resilient. S. B. Haseltine. 1,637,148; July 26.
Shade and drapery supports, Roller suspension for. L. H. Robinson. 1,637,162; July 26.
Sharpeners, Lubricating system for rock-drill. A. H. Skaer and O. E. Clark. 1,637,012; July 26.
Sheet-feeding apparatus. A. Broadmeyer. 1,637,019; July 26.
Shield, Expansion. C. C. Tomkinson. 1,636,842; July 26.
Shingle. J. E. Hooker. 1,637,306; July 26.
Ship's anchor. E. B. Swift. 1,636,760; July 26.
Shirt and shirt pocket. J. H. Cronin. 1,636,858; July 26.
Shock absorber, Air-storing. E. Landon. 1,636,915; July 26.
Shock-absorbing mechanism, Friction. A. M. Brenne. 1,637,070; July 26.
Shock-absorbing mechanism, Friction. S. P. Haseltine. 1,637,149–50; July 26.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,637,086–7; July 26.
Shoe. A. E. Falor and F. H. Martin. 1,636,905; July 26.
Shoe counter. G. E. Brittain. 1,636,982; July 26.
Shoe sole. L. M. Oakley. Des. 73,143; July 26.
Shoe sole, Metal dancing. W. J. Haney. 1,636,909; July 26.
Shoulder strap. A. Oberstebrink. 1,637,201; July 26.
Shuttle. L. P. Spencer and W. H. Wilson. 1,636,841; July 26.
Signal casing and radiator cap, Combined. P. McManaman and J. Namet. Des. 73,140; July 26.
Signal casing and tag holder, Combined. P. McManaman and J. Namet. Des. 73,141; July 26.
Signal casing, Combination. R. L. Barton. Des. 73,120; July 26.
Signal-light casing, Vehicle. A. Swanson. Des. 73,150; July 26.
Signaling device, Thermally-controlled. F. C. Leonard and C. W. Rietzel. 1,636,698; July 26.
Signal transmitter, Electric. C. H. Kesses. 1,637,080; July 26.
Silo. W. D. Bayley. 1,637,018; July 26.
Sink fixture. F. F. Burfitt. 1,637,320; July 26.
Skiving machine. C. E. Thibaudeau. 1,636,722; July 26.
Slicing machine. W. H. Donald. 1,636,611; July 26.
Slip handler. A. L. Segelhorst. 1,637,056; July 26.
Small arm. G. Norman. 1,637,223; July 26.
Small arm. G. Norman. 1,637,236; July 26.
Snap fastener. G. Kollstede. 1,636,914; July 26.
Soap-dispensing device, Powdered. H. Helberger. 1,637,180; July 26.
Soap with advertising matter, Providing cakes of. C. Schmidt. 1,636,709; July 26.
Soil-breaking machine. J. A. Ayers. 1,637,290; July 26.
Solenoids and the like, Testing apparatus for. H. J. Taylor. 1,637,062; July 26.
Sound boxes, Stylus mounting for. C. Scrabic. 1,636,715; July 26.
Sound, Combination recorder and reproducer of. C. Scrabic. 1,636,716; July 26.
Sound-recording method. J. P. Maxfield. 1,637,082; July 26.
Sound reproducer. M. Weil. 1,637,322; July 26.
Sound reproducer, Electromagnetic. F. A. Kolster and S. A. Sollie. 1,637,119; July 26.
Spectacle frame. E. Pappert. Des. 73,144; July 26.
Spectacles. D. E. Hickey. 1,636,740; July 26.
Spinning frames, Stop-motion device for. H. E. Van Ness. 1,636,945; July 26.
Spoon hook. W. D. Elwood. 1,636,904; July 26.
Spoon or similar article. A. H. Staf. Des. 73,149; July 26.
Spraying apparatus. E. M. Bassler. 1,636,949; July 26.
Spring lock. W. De Groot. 1,636,809; July 26.
Spring wheel. G. H. Martin. 1,637,263; July 26.
Springs, Apparatus for winding. S. H. Hartshorn. 1,636,689; July 26.
Sprinkler: *See*—
Lawn sprinkler.
Sprouter, Grain. C. W. Ashing. 1,637,250; July 26.
Stand: *See*—
Votive stand.
Steam accumulator plant. F. Wettstein. 1,637,066; July 26.
Steam boiler, High-pressure. J. Buchli. 1,636,985; July 26.
Steam through long-distance pipe lines, Conveying. O. H. Hartmann. 1,636,775; July 26.
Steaming apparatus, Facial. A. E. Herrera. 1,637,077; July 26.
Steering wheel. G. M. Schwieman. 1,637,284; July 26.
Stocking and the manufacture thereof. R. W. Scott. 1,637,244; July 26.
Stove, Electric. J. E. Marsden. 1,637,155; July 26.
Stovepipe blanks, Machine for folding. J. M. Brown. 1,636,803; July 26.
Strap: *See*—
Shoulder strap.
Suction head. F. Masson. 1,637,265; July 26.
Sulphur dichloride and primary arylamines, Reaction products of. R. Herz. 1,637,023; July 26.
1,636,848; July 26.
Support chair, Two-way brake-beam. E. G. Busse.
Suspender attachment. E. E. Peck. 1,636,712; July 26.
Suspension wheel, Elastic. D. P. J. Burguléres. 1,637,214; July 26.
Swinging hook. B. F. Moore. 1,637,047; July 26.
Switch: *See*—
Electric switch. Push and pull switch.
Electrical switch. Rotary switch.
Switches, Cut-out device for pneumatically-operated. G. Meyfarth. 1,637,199; July 26.
Swivel connection. P. Mueller and A. C. Schuermann. 1,637,231; July 26.
Synchronizing mechanism. C. D. Richard. 1,637,161; July 26.
Syringe. J. Masonick and G. and J. Stuebner. 1,637,264; July 26.
Syringes, Bulb for hydrometer. W. A. Reynolds. Des. 73,147; July 26.
Take-down apparatus. T. F. Waters. 1,636,794; July 26.
Tally. B. B. Biey. 1,637,211; July 26.
Tanks, Indicating device for visible gasoline. W. E. Mitchell. 1,636,752; July 26.
Tea-dispensing machine. J. Hardy. 1,636,910; July 26.
Telegraph system, Duplex. J. H. Bell. 1,637,171; July 26.
Telegraph systems, Phase correction in synchronous. L. F. Parker and F. B. Bramhall. 1,636,784; July 26.
Telephone lines, Loading system for. H. Jordan. 1,637,044; July 26.
Telpher or overhead transporter system. C. W. Loveridge. 1,637,308; July 26.
Temperature indicator. W. A. Rankin. 1,637,050; July 26.
Tempo box. E. A. Huseby. 1,636,911; July 26.
Tensioning and locking device for wire-binding mechanism. E. Hoffmann. 1,636,777; July 26.
Tile, Flooring. G. C. Hannam and J. W. Schede. 1,637,301–2; July 26.
Tire-building machine. J. W. Kuhn. 1,637,195; July 26.
Tire casings, Machine for treating. G. C. Miller. 1,636,825; July 26.
Tire construction. F. W. Krone. 1,636,779; July 26.
Tire, Cushion. L. N. Southmayd. 1,636,759; July 26.
Tire protector. H. C. Anderson. 1,636,948; July 26.
Tire, Puncturepproof pneumatic. H. C. Anderson. 1,636,978; July 26.
Toilet inclosure. M. S. Hart and L. E. Page. 1,637,145; July 26.
Tool. C. E. Conner. 1,636,853; July 26.
Tool, Fluid-operated. A. H. Katterjohn. 1,637,001; July 26.
Tool holder for cutting off pieces of work. E. Bugatti. 1,636,898; July 26.
Tool, Percussive. F. A. Jimerson. 1,637,192; July 26.
Tool, Percussive pneumatic. G. Elster. 1,636,813; July 26.
Tool, Wire-tying. F. W. Huempfner. 1,636,741; July 26.
Toothbrush. A. R. L. Read. 1,636,886; July 26.
Toy, Mechanically-moved. E. Keppner. 1,636,864; July 26.
Toy riding horse. N. W. Plooster. Des. 73,145; July 26.
Toy, Wheeled. G. E. Pritchett. 1,637,129; July 26.
Traction motor. L. B. Neighbour. 1,636,828; July 26.

Tractor attachment. E. G. Calkins. 1,636,733; July 26.
Tractor hitch, Floating. W. Wieland. 1,636,845; July 26.
Training apparatus. H. P. Olcott. 1,636,753; July 26.
Tramway-switch construction. P. Heidtkamp and P. Müller. 1,637,304; July 26.
Transmission. H. E. Blood. 1,636,800; July 26.
Transmission of angular motion, System for the. E. M. Hewlett and W. W. Willard. 1,637,039; July 26.
Transplanting pot. J. M. Everett. Re16,690; July 26.
Trap: *See*—
Animal trap.
Trap nest and front therefor. E. H. Mitchell. 1,637,005; July 26.
Tray, Serving. A. Barchoff. Des. 73,119; July 26.
Tray, Tilting. J. Schumacher, sr. 1,637,053; July 26.
Tree: *See*—
Artificial tree.
Truck, Barrel-emptying hand. C. G. Carlson. 1,636,682; July 26.
Truck, Car. D. R. Richards. 1,636,837; July 26.
Truck, Electric locomotive. W. M. Sheehan. 1,636,840; July 26.
Truck, Lifting. W. C. Childress. 1,636,850; July 26.
Trucks, Final drive for motor. L. C. Huck. 1,636,810–20; July 26.
Trunk, Wardrobe. V. Weeks. 1,637,206; July 26.
Truss. W. D. Ray. 1,637,130; July 26.
Tubing, Flexible. H. Cooper. 1,637,141; July 26.
Turbine. W. M. Cross. 1,637,105; July 26.
Turntable center. C. M. Goodrich. 1,636,993; July 26.
Twister rings, Traveler for. G. H. Gilligan. 1,636,992; July 26.
Typewriting machine. A. G. F. Kurowski. 1,636,695–6; July 26.
Typewriting machine. J. A. B. Smith. 1,636,792; July 26.
Typewriters, Paper guide for. V. Gage. 1,637,022; July 26.
Uncoupling device. J. McMullen. 1,637,198; July 26.
Vacuum cleaner. H. Wieckhorst. 1,637,067; July 26.
Valve. F. R. Mark. 1,637,154; July 26.
Valve, Automatic temperature-actuated refrigerant-regulating. E. E. Snader. 1,636,874; July 26.
Valve, Compressor discharge. W. Wishart. 1,636,888; July 26.
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Valve for built-in plumbing fixtures. L. W. Mueller. 1,637,230; July 26.
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VOLUME 361

AUGUST

1927

BANGOR PUBLIC LIBRARY BANGOR ME.

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Patents Nos. 1,637,327 to 1,638,005.

THE OFFICIAL GAZETTE

OF THE

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Designs	63	No. 73,154 to No.	73,216, inclusive.
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Total	1,099		

Disclaimer.

1,528,728.—*Carl R. Houghton* and *John T. Wilbin*, Connersville, Ind. METER. Patent dated March 3, 1925. Disclaimer filed July 18, 1927, by the assignee, *Connersville Blower Company*.

Hereby enters its disclaimer as follows, to wit:

(1) To so much of claim 2 as may cover a gas meter, as specified in said claim, in which the pair of intermeshing gears, the casing forming the externally gas-tight chamber, and the bearings, as specified in said claim, are not provided at each end of said meter, and in which the teeth of the gears are not formed with substantial backlash and oppositely set as to backlash;

So that said claim will cover a gas meter, as specified in said claim, in which the pair of intermeshing gears, the casing forming the externally gas-tight chamber, and the bearings, as specified in said claim, are provided at each end of said meter, and in which the teeth of the gears are formed with substantial backlash and oppositely set as to backlash.

(2) To so much of claim 5 as may cover a gas meter, as specified in said claim, in which the pair of intermeshing gears, the casing forming an externally gas-tight chamber, the bearings, and the end wall having a conduit, as specified in said claim, are not provided at each end of said meter, and in which the teeth of the gears are not formed with substantial backlash and oppositely set as to backlash;

So that said claim will cover a gas meter, as specified in said claim, in which the pair of intermeshing gears, the casing forming an externally gas-tight chamber, the bearings, and the end wall having a conduit, as specified in said claim, are provided at each end of said meter, and in which the teeth of the gears are formed with substantial backlash and oppositely set as to backlash.

Adjudicated Patents.

(C. C. A. Ind.) The Eibel patent, No. 845,224, for paper-making machine, claims 1–3, 7, 8, and 12 *Held* infringed. *Eibel Process Co.* v. *Alexandria Paper Co.*, 19 F. (2d) 358.

(D. C. Del.) The Meyer patent, No. 1,043,021, for paper-coating machine, claims 21 and 23 *Held* infringed. *C. & R. Research Corporation* v. *Write, Inc.*, 19 F. (2d) 380.

(C. C. A. N. Y.) The Hartley patent, No. 1,183,875, for electric radio circuit, claims 1 and 2 *Held* valid and infringed. *Radio Corporation of America* v. *Twentieth Century Radio Corporation*, 19 F. (2d) 290.

(C. C. A. N. Y.) The Rice patent, No. 1,334,118, for system of amplification of small currents, claims 1, 2, and 3 *Held* valid and infringed. *Id.*

(D. C. Pa.) The Heinke patent, No. 1,399,299, for method of knitting stockings, *Held* valid, but not infringed. *Heinke* v. *Chipman Knitting Mills*, 19 F. (2d) 384.

(C. C. A. Ohio.) The Wagner patent, No. 1,420,351, for quick-detachable frame members for land roller pulverizer, *Held* not infringed, if valid. *Dunham Co.* v. *Cobb*, 19 F. (2d) 328.

(C. C. A. Mass.) The Chism patent, No. 1,444,332, for mail receptacle, claims 1, 2, and 3 *Held* not infringed. *Chism Mail Box Co.* v. *S. H. Couch Co.*, 19 F. (2d) 357.

(C. C. A. Ohio.) The Dunham reissue patent, No. 13,921, for land roller pulverizer, claims 1, 3, and 4 *Held* invalid. *Dunham Co.* v. *Cobb*, 19 F. (2d) 328.

Amendment to the Rules of Practice.

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of Commerce, Rule 53 of the Rules of Practice in the United States Patent Office is canceled and the following is substituted therefor:

"53. In reissue applications the drawings upon which the original patent was issued may be used upon the filing of suitable permanent photographic copies thereof, if no changes are to be made in the drawings."

Cross-References in Cases Relating to Same Subject.

RULE 43. When an applicant files two or more applications relating to the same subject-matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

2273

Condition of Applications Under Examination at Close of Business July 22, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,874; Trade-Mark Division, 1,787. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 9	Apr. 20	658
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Mar. 25	Mar. 23	896
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Feb. 25	Mar. 15	1,620
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 13	Jan. 19	1,663
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Feb. 16	Feb. 21	1,001
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Jan. 3	Jan. 6	1,575
106	7. JARBOE, O. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 7	Feb. 8	1,365
133	8. HENRY, O. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 3	Mar. 5	1,766
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 14	Apr. 21	818
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 5	Feb. 14	1,279
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars	Mar. 25	Mar. 24	931
350	12. PIERCE, P. P., Machine Elements	Jan. 18	Feb. 7	1,302
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 9	Feb. 11	1,503
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Jan. 14	Feb. 22	1,301
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 15	Feb. 25	1,531
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 21	Mar. 25	756
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 24	Jan. 27	772
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 14	Jan. 25	1,040
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 20	Apr. 22	905
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Apr. 4	Mar. 31	988
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 23	Feb. 28	1,007
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 4	Jan. 8	1,033
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 15	Jan. 28	900
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 10	Jan. 12	1,033
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 2	Feb. 21	1,310
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Jan. 19	987
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 23	Mar. 11	889
225	28. BENSON, A. R., Internal-Combustion Engines	Feb. 5	Mar. 5	1,238
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 5	Jan. 14	1,232
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Jan. 21	Mar. 6	1,148
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 9	Feb. 3	1,862
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 24	Mar. 2	1,205
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 13	Apr. 11	1,470
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Jan. 19	Jan. 20	974
116*	35. REYNOLDS, E. O., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 2	Apr. 5	1,203
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 13	Apr. 14	1,085
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 7	Feb. 10	1,507
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 14	Mar. 7	1,177
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 9	791
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Jan. 27	Feb. 12	2,128
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	763
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 24	Jan. 10	1,453
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 16	Feb. 16	1,228
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 22	Jan. 24	1,294
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Mar. 22	Apr. 1	930
283	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Feb. 14	Feb. 15	997
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 24	Mar. 11	1,501
213*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 3	Feb. 4	1,103
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 15	Jan. 28	998
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 8	Mar. 8	1,601
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 12	Jan. 13	1,453
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 12	Mar. 24	1,191
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 25	Mar. 24	1,247
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,966
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Jan. 21	Feb. 5	680
	Designs	June 11	June 17	614
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	June 23	July 11	1,639
	Labels and Prints	June 27	July 8	148

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Ballman and Evers.

Decided July 14, 1925.

1. Application—Division—Statutes Construed—Patent Authorized for Single Invention Only.

While no specific provision is made in the statutes for requirement of division, it was evidently the intent of the law (secs. 4884 and 4886–4889 R. S.) that a patent should be limited to a single invention.

2. Same—Same—When Proper in Reissue.

Where the original patent contained only generic claims, *Held* that division should be required in application for reissue thereof between claims specific respectively to different modifications.

[Affirmed by the Court of Appeals of the District of Columbia —— O. G. ——.]

Appeal from Examiners in Chief.

Application for patent for projecting apparatus filed August 4, 1920, Serial No. 401,276.

Mr. Paul Carpenter for the applicant.

Kinnan, *First Assistant Commissioner:*

The applicants have appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying the allowance of claims 30, 31, and 36 to 45, inclusive. Claims 30 and 36 will serve for illustrative purposes:

30. A projecting apparatus comprising a source of light, an object, a reflector arranged to receive part of the rays emitted by said source, and means for reflecting another part of the rays emitted by said source upon said reflector, said reflector being constructed and arranged to concentrate on said object the rays received by it, and means for projecting an image of said object on a screen.

36. A projecting apparatus comprising an object to be projected, a projecting lens, an electric light bulb having part of its surface formed as a reflector and constructed and arranged to receive and concentrate the rays emanating from the filament on said object.

The references are: Welsh, 299,885, June 3, 1884; Crossley et al., 341,997, May 18, 1886.

This is an application for the reissue of a patent granted August 6, 1918, No. 1,275,120. The claims have been denied patentability upon two grounds: First, division was required between claims 30 and 31 on the one hand and 36 to 45 on the other. The first two claims were held specific to the construction shown in Fig. 9, while the claims in the second group were deemed specific to the arrangement disclosed in Fig. 13. The second ground of rejection relates to claims 36, 37, 41, and 42, and they were denied patentability over the prior art as exhibited in the references Welsh and Crossley et al. These latter claims were also denied allowance on the ground that they were functional. The Examiners in Chief found that the Crossley et al. patent was lacking as a reference for these claims 36, 37, 41, and 42, but sustained the rejection upon the patent to Welsh.

Appellants contend that the claims involved in the division differ merely in scope, but cover the same invention. They give a careful explanation as to the elements of each claim and seek to show that all the claims may be interpreted as reciting this general combination involved in the single inventive concept, and that each claim merely expresses in detail, but in the same general combination, a different one of the elements of the single invention. Reference is made, further, to the statement in the original patent that Fig. 13 may be modified to show the combined ellipsoid of other figures, including Fig. 9. Upon this basis appellants press the view that division should not be required.

It may well be that a single structure could be devised upon which all these claims would read, but it is not open to dispute that the application does not disclose such a structure. Rule 50 provides that—

the drawing must show every feature of the invention covered by the claims.

The imaginary figure which might be devised in view of the original disclosure and the original statement of how it might be modified is not in the drawing. The two constructions of Figs. 9 and 13 are clearly intended modifications or different embodiments of the one generic feature of the invention.

[1, 2] Appellants invite attention to the holding of a former Commissioner in the case of *Ex parte Van Nostrand*, 194 O. G. 1141, which is to the effect that division should not be required in an application for reissue, and seek a withdrawal of the requirement even if it be held claims 30 and 31 are specific to one figure and the other group specific to another figure. The statutes do not specifically provide for division or the limitation of an application to a single invention; but a review of their language, especially sections 4884 and 4886 to 4889, makes it plain, and they have been heretofore so interpreted, that their intent is to authorize a patent only for a single invention. This explains clearly enough the failure in the statute relating to reissues to provide for a requirement of division. Rules 41 and 42 were established with the approval of the Secretary and have been in force for a long time and are deemed "not inconsistent with law," section 483. These rules make provision for requiring an application to be limited to a single invention except under certain conditions. In the instant case appellants presented in their parent application and obtained in their patent generic claims only. Had applicants presented claims specific to the two modifications disclosed in Figs. 9 and 13 in the original application, division would have been required. Had it not been required, however, it is believed the Examiner should not make such a requirement in the reissue application. Presenting such claims in the application for reissue raises the question of division under rules 41 and 42. If such a procedure were omitted, it would partially nullify such rules and would enable a patentee by reissuing his patent to obtain any number of claims each specific to a different modification when he could not obtain such a patent in the first instance. It

is thought this procedure is not contemplated by the rules. The insistence of the Office that the reissue patent must conform, as to claims based upon different species, to the condition of the original patent is not forbidden by the statute. It is believed, in view of the foregoing, the Examiner was right in requiring division.

I am constrained to agree with the Examiners in Chief and the Examiner that claims 36, 37, 41, and 42 are functional in that they do not define sufficient structure. Certainly they do not define any structure not found in the references, especially the patent to Welsh, and should not be allowed. It may be they are intended to cover patentable subject matter; but that matter should be defined in concrete terms rather than in mere functional statements.

The decision of the Examiners in Chief is affirmed.

Court of Appeals of the District of Columbia.

PRESCOTT AND RUMMLER *v.* MICHELIN.

No. 1,874. Decided February 7, 1927.

1. INTERFERENCE—RIGHT TO MAKE CLAIM.

Where the claim to a wheel included the limitation that the nuts which hold the body portion on stubs projecting from the hub are formed to cooperate with the body so that they are held fast by the driving torque, *Held* that while the term "driving torque" does not appear in M.'s specification, M. clearly discloses the construction and adjustment of the nuts and bolts in such manner that they will automatically be held in place and tightened by the action of the driving torque, and consequently M. can make the claim.

2. SAME—RIGHT TO FOREIGN FILING DATE—DISCLOSURE IN FRENCH PATENT.

Where M. relied upon his filing date in France, and the French patent shows the same structure as his U. S. application, except that the former does not clearly show the holes in the wheels to be larger than the studs on the hub flanges, *Held* that in view of the French specification, the French patent discloses the invention in issue, and M. is entitled to his foreign filing date.

APPEAL from the Patent Office. Affirmed.

Mr. James T. Newton for Prescott et al.

Mr. Ernest Wilkinson for Michelin.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.:*

Appellants, Prescott and Rummler, appeal from the decision of the Commissioner of Patents in an interference proceeding awarding priority of invention to appellee Michelin.

The issue is embraced in the following count:

In a wheel of the type described, the combination with a hub having a plurality of laterally extending studs, of a body mounted on said hub and a tire rim mounted on said body, and nuts on said studs engaging the body, said nuts being so formed and co-operating with the body so that they are held fast by the driving torque for holding said body on said hub and thereby causing said body and rim to run true and silently under varying driving stresses.

It appears that appellants filed their application December 12, 1919. Appellee filed in this country on April 16, 1920, and was accordingly made the junior party. Appellants filed a motion to dissolve on the ground that appellee's application did not support the count, and he therefore had no right to make the claim. This motion was denied. Michelin then moved to shift the burden of proof to appellants, basing his motion on a French patent, relying upon the provisions of the Nolan Act. This motion was granted by the Examiner of Interferences. The earliest date alleged by appellants in their preliminary statement was subsequent to the date of appellee's French application. The Examiner, therefore, issued an order against appellants to show cause why judgment should not be entered against them on the record. No showing was made or testimony taken, and judgment was accordingly entered.

The case is here on the right of appellee to make the claims, and also upon his right to the benefit of his French application or patent. Appellee's right to make the claim depends upon the formation of the nuts co-operating with the body so that they are held in fast position by the driving torque, holding the body tight on the hub, "thereby causing said body and rim to run true and silently under varying driving stresses."

Appellee in his application states as follows:

In order to prevent rattling, and to form a snug and firm joint, the bearing on the web plate for the bolts is provided with concave sockets, preferably in the form of zones of spheres to engage corresponding bosses on the fastening bolts and nuts, as shown in Figures 3 and 4. Moreover, the screw-threads on the opposite ends of the fastening bolts should be oppositely disposed, as shown, so that when the fastening nuts are screwed down tight any tendency of one nut to shake loose will cause the opposite nut to tighten on the screw, and thus both nuts will be automatically held tight in place. Moreover, the bolts and nuts should be so arranged that the nuts of a right-hand wheel should have right-hand threads, and the nuts of a left-hand wheel should have left-hand threads, whereby these nuts would tend automatically to set up tighter.

[1] While the term "driving torque" does not appear in appellee's specification, he clearly discloses the construction and adjustment of the nuts and bolts in such manner that they will automatically be held in place and tightened automatically by the action of the driving torque. It thus appears that appellee's disclosure clearly supports the claim and that he has a right to make it.

Coming to appellee's French patent, the only question is whether it discloses the invention of the issue. On this point the Examiner of Interferences said:

The French patent on which the moving party relies shows exactly the same structure in the drawings except that the drawings do not clearly show the holes in the wheels to be larger than the studs or bolts on the hub flanges; however, the specification which relates to this structure reads as follows: "These nuts have their bearing points rounded. This form provides an automatic locking when it is run for the wheel to play on the hub by reason of bad attachment; for this purpose the nuts on the left have a left-hand pitch and those on the right a right-hand pitch, the opposite of the ordinary axle nut."

[2] From this we think it clearly appears that the invention of the issue is disclosed in the French patent, which was issued long prior to appelants' alleged date of conception. The tribunals of the Patent Office were therefore fully justified in entering a judgment of priority in favor of appellee on the face of the record.

The decision of the Commissioner of Patents is affirmed.

Court of Appeals of the District of Columbia.

O'BRIEN *v.* BONELLI.

No. 1,926. Decided March 7, 1927.

INTERFERENCE—DELAY OF MORE THAN TWO YEARS IN COPYING CLAIMS FROM PATENT—SHOWING IN SUPPORT OF, INSUFFICIENT.

O'B., who copied the claims from B.'s patent more than two years after the patent was granted, filed an affidavit to show circumstances justifying the delay, which affidavit was held insufficient by the Commissioner. *Held* that there was no abuse of discretion in the Commissioner's ruling and that the order of the Examiner declaring the interference was void.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. Joseph J. O'Brien pro se.

No appearance for appellee.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.:*

This is an appeal in an interference proceeding. The invention relates to certain improvements in forms for structures for plastic material and methods of building continuous conduits. The controlling question in the instant appeal, however, does not require a detailed description of the involved inventions.

O'Brien filed his application on September 16, 1918; Bonelli filed on November 29, 1919. On January 17, 1922, no interference having been declared between the two applications in the meantime, a patent was granted to Bonelli upon his application. On August 21, 1924, notwithstanding that more than two years had elapsed after the date of Bonelli's patent without an interference proceeding, the Examiner instituted such a proceeding between the parties, O'Brien copying Bonelli's claims. On May 25, 1925, priority was awarded to O'Brien, but afterwards the Examiner vacated this award upon the ground that O'Brien had no right to maintain the interference, for the reason that more than two years had elapsed after the granting of Bonelli's patent, before the interference was instituted. O'Brien then filed an affidavit for the purpose of showing circumstances which would justify the delay, and moved that the Examiner's order be vacated. This motion was overruled by the Examiner, and also by the Commissioner of Patents, and priority was awarded to Bonelli. O'Brien undertook to appeal to the Board of Examiners in Chief, but the appeal was not entertained. He then appealed to this court.

The decisive question is whether O'Brien was entitled to be heard in the interference proceeding in view of the fact that more than two years had passed after the granting of Bonelli's patent, without the declaration of such an interference. This question is answered in the negative by *Sundstrand* v. *Gubelmann*, 335 O. G. 1079; 55 App' D. C. 200, wherein this court held that in the absence of special circumstances justifying the delay in copying claims from an issued patent, the two years' limitation applies, and there is no basis for the declaration of an interference. This question was held to be jurisdictional, such as could be raised at any time in the case. Under that authority we hold that the order of the Examiner declaring the interference was void, unless a showing was made of special circumstances justifying the delay. The Commissioner held that O'Brien's affidavit was insufficient to justify the delay, and we think there was no abuse of discretion in this ruling.

We are therefore of the opinion that O'Brien was not entitled to proceed with the interference under the circumstances, and we affirm the decision of the Commissioner of Patents.

Affirmed.

Patent Suits.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

839,864, C. H. Loew, Mechanism for rinsing, spraying, and brushing bottles, appeal filed May 31, 1927, 7th Cir., Doc. 3917, *G. J. Meyer Mfg. Co.* v. *Miller Mfg. Co.*

845,224, W. Eibel, Fourdrinier machine, appeal filed June 26, 1928, 7th Cir., Doc. 3791, *Eibel Process Co.* v. *Alexandria Paper Co.* Decree reversed May 17, 1927.

959,879, W. S. Parker, Railway ticket, filed May 7, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7089, *W. S. Parker Co.* v. *Minneapolis, St. Paul & Sault Ste. Marie Ruy. Co.*; Doc. 7090, *W. S. Parker Co.* v. *Chicago & Eastern Illinois Ruy. Co.*; Doc. 7091, *W. S. Parker Co.* v. *The Pennsylvania R. R. Co.*; Doc. 7092, *W. S. Parker Co.* v. *B. & O. R. R. Co.*; Doc. 7093, *W. S. Parker Co.* v. *C. & O. Ruy. Co.*; Doc. 7094, *W. S. Parker Co.* v. *Chicago & Alton R. R. Co.*; Doc. 7095, *W. S. Parker Co.* v. *Grand Trunk Western Ruy. Co.*; Doc. 7096, *W. S. Parker Co.* v. *The N. Y., Chicago & St. Louis R. R. Co.*; Doc. 7097, *W. S. Parker Co.* v. *Erie R. R. Co.*; Doc. 7098, *W. S. Parker Co.* v. *N. Y. Central R. R. Co.*

961,165, J. F. Rowley, Artificial-limb suspender and back check, filed June 7, 1927, D. C., S. D., Ohio (W. Div.), Doc. E 476, *The J. F. Rowley Co.* v. *The Forster-Truesdell Co., Inc.*; same, 3d Cir., Doc. 3569, *J. F. Rowley Co.* v. *A. S. Rowley.* Decree reversed Feb. 15, 1927. Order amending reversal Mar. 8, 1927.

1,000,298, L. Sarason, Preparation for slowly liberating oxygen and process of manufacturing same, 3d Cir., Doc. 3503, *R. H. Comey Co.* v. *Monte Christi Corp. et al.* Decree reversed (notice dated June 15, 1927).

1,031,864, H. Pauling, Method of concentrating aqueous solutions of nitric acid, 3d Cir., Doc. 3497, *Southern Electro-Chemical Co.* v. *E. I. du Pont de Nemours & Co.* Decree reversed (notice dated June 15, 1927).

1,056,498, C. C. Buckels, Outlet-box support, filed May 25, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7140, *Roach-Appleton Mfg. Co.* v. *S. Garvin & Co.*

1,071,364, Speer & Forster, Alloys of iron, 3d Cir., Doc. 3487, *American Adamite Co.* v. *Mesta Machine Co.* Decree affirmed (notice dated June 15, 1927).

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engines, filed April 14, 1927, D. C. Minn. (4th Div.), Doc. E 582, *H. H. Boyce et al.* v. *E. D. Fageros.* Consent decree for plaintiff May 26, 1927.

1,108,184, T. Kerner, Garbage and refuse incinerator, filed May 14, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7104, *Kerner Incinerator Co.* v. *Goder Incinerator Corp.*; Doc. 7105, *Kerner Incinerator Co.* v. *Mid-West Incinerator Corp.*

1,157,900, F. J. Plym, Window-sash construction, filed June 11, 1927, D. C., M. D. Pa., Doc. 543, *The Kawneer Co.* v. *E. F. McHugh et al.*

1,173,079, E. F. W. Alexanderson, Selective tuning system, 3d Cir., Doc. 3561, *Splitdorf Electrical Co. v. Radio Corp. of America et al.* Appeal dismissed (notice dated June 15, 1927).

1,179,954, P. O'Connor, Offsetting attachment for knees of sawmill carriages, filed May 31, 1927, D. C., W. D. Wash. (N. Div.), Doc. E 323, *Sumner Iron Works v. Grays Harbor Iron & Machine Works.*

1,184,391, E. S. Smith, Bracelets, filed June 10, 1927, D. C. R. I., Doc. 272, *Bugbee & Niles Co. et al. v. E. Speidel et al.*

1,196,691, B. F. Hopkins, Means for distributing liquids, filed May 31, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7153, *Alliance Securities Co. v. Peerless Pneumatic Systems, Inc.*

1,204,104, Wilcox & Cavanagh, Ignition mechanism for internal-combustion engines, 3d Cir., Doc. 3597, *Automotive Equipment Co. et al. v. The Connecticut Telephone & Electric Co., Inc.* Decree affirmed (notice dated June 15, 1927).

1,219,513, C. F. Wensinger, Windshield, filed Jan. 30, 1924, D. C., S. D. Calif. (Los Angeles), Doc. H-49-B, *J. E. Spencer v. C. L. Glasson (Windbreaks Co.).* Dismissed without prejudice Apr. 12, 1927.

1,230,865, R. P. Clark, Cover for fruit, filed June 11, 1927, D. C., N. D. Ga. (Atlanta), Doc. E 456, *R. P. Clark (Clark Stek-O Corp.) v. Atlanta Paper Co.*

1,262,860, S. B. Smith, Incubator, 6th Cir., Doc. 4797, *The Buckeye Incubator Co. et al. v. I. M. Petersime et al.* Judgment affirmed June 10, 1927.

1,297,328, M. Darrin, Resin and process for manufacturing the same from crude solvent naphtha, appeal filed July 28, 1926, 3d Cir., Doc. 3517, *The Barrett Co. et al. v. The Koffers Co. et al.*; Doc. 3518, *The Koffers Co. et al. v. The Barrett Co. et al.*

1,303,968, J. Sawdon, Duplex envelope, filed May 27, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7141, *Du Plex Envelope Corp. et al. v. Letalog Mailer Co. et al.*

1,307,317, F. J. Perey, Turnstile, appeal filed June 9, 1927, 2d Cir., Doc. 9675, *F. J. Perey v. Perey Mfg. Co. et al.*

1,307,734, A. V. Gullborg, Lubricating means, filed Sept. 17, 1926, D. C., S. D. Ohio (W. Div.), Doc. E 434, *The Bassick Mfg. Co. v. The C. & D. Auto Supply Co.* Dismissed without prejudice on motion of plaintiff (notice dated June 6, 1927).

1,408,384, T. J. Newlyn, Cosmetic lotion, filed June 14, 1927, D. C., S. D. N. Y., Doc. E 42/82, *T. J. Newlyn v. The Marvo Beauty Laboratories, Inc.*

1,428,241, J. Kercher, Vehicle wheel, 7th Cir., Doc. 3710, *J. Kercher v. Forsyth Bros. Co. et al.* Decree affirmed May 10, 1927.

1,435,199, L. V. D. Blair, Heat-insulated receptacle, 7th Cir., Doc. 3812, *Macomb Mfg. Co. v. The Mantle Lamp Co. of America.* Decree reversed May 28, 1927. Same. 7th Cir., Doc. 3889, *The Monarch Co. et al. v. The Mantle Lamp Co. of America.* Decree holding patent valid and infringed reversed May 28, 1927.

1,441,054, J. Barry, Outlet box, filed June 4, 1927, D. C., S. D. N. Y., Doc. E 42/45, *Hope Foundry & Machine Co., Inc., v. W. A. Bonnell (Bonnell Electric Mfg. Co.).*

1,478,581, C. F. Rubsam, Detachable rims, filed June 7, 1927, D. C., E. D. Mich. (Detroit), Doc. 2066, *Rubsam Corp. v. Hayes Wheel Co.*

1,513,615, H. T. Leo, Dry-powder jelly base containing pectin, filed May 27, 1927, D. C., N. D. Ill. (E Div.), Doc. 7074, *Speas Mfg. Co. v. G. B. Smith.*

1,553,198, H. Stern, Jewelry, filed June 3, 1927, D. C., S. D. N. Y., Doc. E 42/42, *H. Stern v. M. Alpern.*

1,560,248, H. E. Kerr, Gas burner, filed Dec. 17, 1926, D. C., N. D. Ohio (W. Div.), Doc. E 707, *The Cleveland Gas Burner & Appliance Co. v. The Hall Mfg. Co.* Dismissed without prejudice (notice dated June 17, 1927).

1,562,787, I. M. Petersime, Incubator, filed June 11, 1927, D. C. Kans. (2d Div.), Doc. E 466-N, *I. M. Petersime v. O. P. Shearer et al.*

1,579,649, C. P. Cushway, Christmas-tree-lighting outfit, filed June 7, 1927, D. C., S. D. N. Y., Doc. E 42/57, *All-American Radio Corp. v. H. Hyman & Co., Inc.*

1,579,774, M. Lowy, Traveling bag, filed May 24, 1927, *C. Braverman et al. (Braverman & Berman).* Consent decree sustaining patent June 18, 1927.

1,614,108, A. B. Deitsch, Traveling case, filed June 16, 1927, D. C., S. D. N. Y., Doc. E 42/91, *A. B. Deitsch v. M. Schill & Co., Inc.*

1,615,499, C. J. Angell, One-way disk plow, filed June 15, 1927, D. C. Kans. (Topeka), Doc. 883-N, *C. J. Angell et al. v. E. Milberger.*

1,625,769, A. J. Ersted, Clutch-engaging device, filed June 3, 1927, D. C. Oreg. (Portland), Doc. E 8913, *A. J. Ersted v. Willamette Iron & Steel Works;* Doc. E 8914, *A. J. Ersted v. L. H. Hoffman.*

1,628,591, P. Harris, Wig for dolls, filed June 3, 1927, D. C., S. D. N. Y., Doc. E 42/43, *Mutual Harris Goods Co., Inc. et al. v. Blum-Lustig Toy Co., Inc.*

Re. 13,477, H. Hoerlein, Phenylethylbarbituric acid, filed June 2, 1927, D. C., S. D. N. Y., Doc. E 42/41, *Synthetic Patents Co., Inc., et al. v. P. Kachurin (Kachurin Drug Co.).*

Re. 15,147, E. T. Brigham, Towel rack, filed May 28, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7143, *J. Rousso v. City Towel Supply Co.*

Re. 15,606, A. Bowser, Liquid-dispensing apparatus, filed Apr. 11, 1927, D. C. Ind. (Ft. Wayne Div.), Doc. E 51, *E. M. Dean et al. v. Tokheim Oil Tank & Pump Co.*

Des. 68,828, F. L. Pendleton, Panel for radio dials, filed June 14, 1927, D. C., S. D. N. Y., Doc. E 42/83, *Martin Copeland Co. v. Hoosick Falls Radio Parts Mfg. Co., Inc.*; Doc. E 42/84, *Martin Copeland Co. v. M. A. Modell & Sons, Inc.*

T. M. 8,536, Lambert & Co., Chemical or medical preparation, filed May 17, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7116, *Lambert Pharmacal Co. v. A. F. Vondrasek (Vondrasek Bros.).*

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 2, 1927.

[VOL. 361. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.

Ser. No. 234,167. STEIN FUR DYEING CO., INC., New York, N. Y. Filed July 3, 1926.

STEINLITE

Particular description of goods.—Bleached, Dyed, Bleached and Dyed, and Partially-Fnished Animal Fur Skins.

Claims use since about Jan. 1, 1926.

Ser. No. 244,684. THE FIRE CREEK COAL COMPANY, INC., New York, N. Y. Filed Feb. 21, 1927.



No claim is made to the name "Pocahontas" apart from the mark as shown.

Particular description of goods.—Export Coal.

Claims use since September, 1922.

Ser. No. 244,685. THE FIRE CREEK COAL CO., INC., New York, N. Y. Filed Feb. 21, 1927.

"JAYBEEBEE"

Particular description of goods.—Export Coal.

Claims use since August, 1926.

Ser. No. 247,493. THE PITTSBURG AND MIDWAY COAL MINING COMPANY, Kansas City, Mo. Filed Apr. 15, 1927.



The exclusive use of the word "Smokeless" is disclaimed except in connection with the trade-mark as shown.

Particular description of goods.—Coal.

Claims use since 1925.

Ser. No. 249,272. GENERAL COAL COMPANY, Cincinnati, Ohio. Filed May 20, 1927.



The color marking for blue shown in the drawing is an essential feature of the applicant's mark. The exclusive use of the word "Kentucky" except as shown in the drawing is disclaimed. No claim is made for the words "Kentucky Blue Flame" except as shown in the drawing.

Particular description of goods.—Coal.

Claims use since Apr. 25, 1927.

Ser. No. 249,914. FRANK W. MCLANATHAN, doing business as F. W. McLanathan & Son, Lawrence, Mass. Filed June 2, 1927.

NOLICK

Particular description of goods.—Leather for Covering Rollers.
Claims use since May 20, 1927.

Ser. No. 250,191. SANGAMON COAL COMPANY, Chicago, Ill. Filed June 8, 1927.



Particular description of goods.—Coal.
Claims use since Apr. 1, 1927.

CLASS 2. RECEPTACLES.

Ser. No. 240,551. WILLARD M. STOREY, doing business as W. M. Storey Lumber Company, Winston-Salem, N. C. Filed May 25, 1927.



Particular description of goods.—Bottle Crates.
Claims use since Feb. 23, 1927.

Ser. No. 249,630. YATES LUMBER COMPANY, Penn Yan, N. Y. Filed May 26, 1927.



Applicant hereby disclaims the words "Penn Yan, N. Y." and "Brand" apart from the trade-mark as shown.
Particular description of goods.—Grape Baskets and Shipping Baskets.
Claims use since Apr. 14, 1927.

Ser. No. 250,313. M. & P. PRODUCTS Co., Detroit, Mich. Filed June 10, 1927.

TRIANGLE

Particular description of goods.—Kegs and Barrels.
Claims use since March, 1924.

CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.

Ser. No. 244,457. MARTIN & MARTIN INC., New York, N. Y. Filed Feb. 16, 1927.

Carleton F. Burke

The trade-mark is a facsimile signature of Carleton F. Burke.
Particular description of goods.—Leather Saddles.
Claims use since Dec. 6, 1926.

Ser. No. 247,975. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 25, 1927. Under 10-year proviso.

WARD'S

Particular description of goods.—Leather Playing Cardcases, Writing Cases, Brief Cases, Portfolios, and Pocketbooks.
Claims use since 1868.

Ser. No. 249,595. THE LIEB MANUFACTURING CO., Sioux City, Iowa. Filed May 26, 1927.

Kari Keen

Particular description of goods.—Luggage Carriers.
Claims use since July 1, 1926.

Ser. No. 250,737. THE DAISY PRODUCTS, INC., New York, N. Y. Filed June 18, 1927.

DAISY

Particular description of goods.—Hand Bags and Hat Bags.
Claims use since December, 1921.

CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.

Ser. No. 240,355. ALBERT KESSLER, doing business as F. A. Kessler, Mittweida, Germany. Filed Nov. 20, 1926.

„PURITAS"

Particular description of goods.—Pot Scourers Having the Form of Woven Metal Iron Pads.
Claims use since Dec. 23, 1922.

Ser. No. 250,232. J. S. DEBNOGA, doing business as Drum Polish Co., Baltimore, Md. Filed June 9, 1927.

DRUM

BRAND



CAN'T BE BEAT

METAL POLISH

The words "Brand," "Metal Polish," and "Can't Be Beat" are disclaimed.
Particular description of goods.—Metal Polish.
Claims use since June 2, 1927.

Ser. No. 250,633. PEERLESS CHEMICAL CO. INC., New York, N. Y. Filed June 16, 1927.

NESSO

Particular description of goods.—Window Cleaning Preparation.
Claims use since December, 1926.

CLASS 5. ADHESIVES.

Ser. No. 241,822. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Dec. 22, 1926.

VULCALOCK

Particular description of goods.—Adhesive Cement.
Claims use since about July 1, 1926.

CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.

Ser. No. 242,078. BEITS & MUMPETON, New York, N. Y. Filed Dec. 29, 1926.



Particular description of goods.—Face Powder, Toilet Creams, and Extracts for Perfumes.
Claims use since Dec. 30, 1924.

Ser. No. 245,052. OSCAR B. EPSTEIN, doing business as Obe Chemical Co., New York, N. Y. Filed Mar. 1, 1927.

Freckleer

Particular description of goods.—Cream for Removing Freckles.
Claims use since Feb. 1, 1927.

Ser. No. 245,441. KOPPERS PRODUCTS COMPANY, Pittsburgh, Pa. Filed Mar. 9, 1927.

THYLOX

Particular description of goods.—Gas Purification Chemicals.
Claims use since Feb. 25, 1927.

Ser. No. 246,078. CHIPPEWA PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 21, 1927.



All wording appearing in the drawing is disclaimed apart from the mark as shown.
Particular description of goods.—Product (Insecto) Used in Killing Flies, Mosquitoes, Moths, Roaches, Bedbugs, Ants, Fleas, Chicken Lice, and All Other Forms of Insect Life.
Claims use since July 15, 1926.

Ser. No. 246,564. PARFUMERIE RIGAUD, INC., New York, N. Y. Filed Mar. 29, 1927.

Vers la Joie

Particular description of goods.—Perfumes, Toilet Water, and Face Powder.
Claims use since Mar. 18, 1927.

Ser. No. 246,623. PALMETTO CHEMICAL CO., West Palm Beach, Fla. Filed Mar. 30, 1927.

FLAME

Particular description of goods.—Insecticides.
Claims use since Feb. 2, 1927.

Ser. No. 246,975. FRANK PALMOWSKI, doing business as Thadeus B. & Co., Buffalo, N. Y. Filed Apr. 5, 1927.

WIOSNIANKA



Particular description of goods.—Hair Tonic.
Claims use since May 10, 1906.

Ser. No. 248,451. PAUL G. STODGHILL, doing business as Imperial Pharmacy, Denver, Colo. Filed May 4, 1927.

VERATEX

Particular description of goods.—Antiseptic Vaginal Jelly.
Claims use since Jan. 1, 1925.

Ser. No. 249,564. ASSOCIATED PHARMACISTS OF MASSACHUSETTS, INC., Salem, Mass. Filed May 26, 1927.

CHAULMEX

Particular description of goods.—Ointment for Use in the Treatment of Eczema, Rash, Sunburn, Poison Ivy, and Other Skin Eruptions of a Similar Nature, and for Inflamed Conditions of the Feet.
Claims use since Dec. 5, 1925.

Ser. No. 249,671. SHIRO NAKAMURA, doing business as Minolyne Products Company, Los Angeles, Calif. Filed May 27, 1927.

MINOLYNE

Particular description of goods.—Hair Tonics and Dressings, Shampoo, Lotions for Face and Skin.
Claims use since November, 1926.

Ser. No. 250,028. HARRIS H. LUNTZ, Brooklyn, N. Y. Filed June 4, 1927.



Applicant makes no claim to registration herein of the words "Trade-Mark" and "Rectal Suppository."
Particular description of goods.—Rectal Suppositories.
Claims use since 1923.

Ser. No. 250,282. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed June 9, 1927.

PLESTRIN

Particular description of goods.—Solution Which is an Estrus Stimulating Principle Derived from the Placenta and Used as an Ovarian and Sex Stimulant.
Claims use since May 2, 1927.

Ser. No. 250,310. F. A. KAUFFMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed June 10, 1927.

TANTALIZER



Particular description of goods.—Toilet Water.
Claims use since Mar. 10, 1927.

Ser. No. 250,592. ANGLO-CHILEAN CONSOLIDATED NITRATE CORPORATION, New York, N. Y. Filed June 16, 1927.



Applicant disclaims any exclusive right to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Nitrate of Soda.
Claims use since Apr. 4, 1927.

Ser. No. 250,683. ARTHUR B. COSBY, doing business as Boulevard Sales Company, Chicago, Ill. Filed June 17, 1927.

Silk-lif

Particular description of goods.—Compound Designed to be Used in the Treatment of Hosiery and Lingerie to Prevent Runs and Fading.
Claims use since about July, 1924.

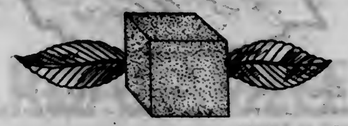
Ser. No. 250,715. ALFRED SALANITRO, doing business as Salus Products Company, Bloomfield, N. J. Filed June 17, 1927.

CONFOLAX

Particular description of goods.—Medicinal Laxatives.
Claims use since Dec. 1, 1926.

Ser. No. 250,743. CHARLES W. FRANK, doing business as Frank's Fruit Squares, Elizabeth, N. J. Filed June 18, 1927.

FRANK'S FRUIT SQUARES



NATURES LAXITIVE

The words "Frank's Fruit Squares" and "Natures Laxative" are disclaimed apart from the other features of the mark.
Particular description of goods.—Laxative.
Claims use since May 26, 1927.

Ser. No. 250,767. HUBERT UNDERBERG, doing business as H. Underberg-Albrecht, Rheinberg, Germany. Filed June 18, 1927. Under 10-year proviso.



Particular description of goods.—Stomachic.
Claims use since 1846.

Ser. No. 250,769. HUBERT UNDERBERG, doing business as H. Underberg-Albrecht, Rheinberg, Germany. Filed June 18, 1927. Under 10-year proviso.



Particular description of goods.—Stomachic.
Claims use since 1846.

Ser. No. 250,822. SHARP & DOHME, Baltimore, Md. Filed June 20, 1927.

HEXADENT

Particular description of goods.—Tooth Paste.
Claims use since May 24, 1927.

Ser. No. 250,883. FIORAVANTE L. CALGARO, Claridge, Pa. Filed June 21, 1927.

F. L. Calgaro

The signature is an autograph of applicant.
Particular description of goods.—Palliative for the Treatment of Cancer.
Claims use since May 21, 1927.

Ser. No. 250,985. THE H. H. ERWIN CO., Philadelphia, Pa. Filed June 23, 1927.

Easter Bells

Particular description of goods.—Perfumes.
Claims use since Mar. 21, 1927.

Ser. No. 250,986. THE H. H. ERWIN CO., Philadelphia, Pa. Filed June 23, 1927.

VELESTRA

Particular description of goods.—Perfumes.
Claims use since Mar. 21, 1927.

Ser. No. 250,988. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed June 23, 1927.

Victoria

Particular description of goods.—Dyestuffs.
Claims use since 1890.

Ser. No. 251,009. H. O. OATIS, doing business as Dixie Club Chemical Co., Dallas, Tex. Filed June 23, 1927.

DIXIE CLUB

Particular description of goods.—Hairdressing.
Claims use since Feb. 15, 1927.

Ser. No. 251,012. POCAHAYO REMEDY CO., Omaha, Nebr. Filed June 23, 1927.

POCAHAYO

Particular description of goods.—Preparation for Use in Treating and Preventing Hay Fever.
Claims use since Nov. 1, 1926.

Ser. No. 251,016. LAURA ANN ROSS, Bakersfield, Calif. Filed June 23, 1927.

EXEUNT

Particular description of goods.—Preparation for the Destruction of Cockroaches, Ants, and Other Pests.
Claims use since about May 1, 1927.

Ser. No. 251,018. FLORA H. SHORMAKER, doing business as The Frostilla Company, Elmira, N. Y. Filed June 23, 1927.



The hatching represents shading. Applicant disclaims any right to the exclusive use of the words "Smooths, Soothes and Protects the Skin," except in the precise relation, form and association in which the same appear.
Particular description of goods.—Lotions and Creams for Beautifying and Preserving the Skin.
Claims use since June 3, 1927.

Ser. No. 251,139. HOUBIGANT, INC., New York, N. Y. Filed June 25, 1927.

DILETTANTE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lip Sticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts, and Vegetal.
Claims use since May 31, 1927.

Ser. No. 251,158. GEORGE H. ZOOLOOMIAN, Providence, R. I. Filed June 25, 1927. Under 10-year proviso.

A. O. AUSTIN

Particular description of goods.—Sirup of Hydrochlorine, Cornia, Salydite, and Lactoluvin.
Claims use since 1869.

CLASS 7. CORDAGE.

Ser. No. 251,151. CHAS. A. SCHIEREN COMPANY, New York, N. Y. Filed June 25, 1927.

DUXBAK

Particular description of goods.—Rawhide Rope.
Claims use since about Oct. 1, 1925.

CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.

Ser. No. 248,028. BACKER METAL SPECIALTIES CORPORATION, New York, N. Y. Filed Apr. 27, 1927.

NEVASMOK

Particular description of goods.—Smokers'-Ash Receiving Stands.
Claims use since Jan. 3, 1927.

CLASS 12. CONSTRUCTION MATERIALS.

Ser. No. 244,644. ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 21, 1927.

LA PERLA

Particular description of goods.—Brick.
Claims use since Mar. 3, 1922.

Ser. No. 244,970. A. E. ASHBROOK, Madison, Wis. Filed Feb. 28, 1927.

Bit-u-mix

Particular description of goods.—Surfacing Material of Bituminous Mix to be Laid Upon Any Standard Base in the Resurfacing of Old Streets, Roads, Pavements, Etc.
Claims use since Oct. 1, 1926.

Ser. No. 248,416. THE LEHON COMPANY, Chicago, Ill. Filed May 4, 1927.

MULE-HIDE

Particular description of goods.—Asphalt Roofing in Rolls and Sheets, Asphalt Roofing Shingles, Asbestos Shingles, Asphalt Roofing Strips, Waterproof Insulating and Sheathing Paper, Waterproof Insulating and Sheathing Fabrics, Plastic Roof Coatings, Mastic Flooring, Mastic Building Compounds, and Asphalt Flooring in Rolls, Fabric Base.
Claims use since September, 1908.

Ser. No. 249,062. GILMORE OIL COMPANY, Los Angeles, Calif. Filed May 16, 1927.

ROADAMITE

Particular description of goods.—Asphalt, Asphaltic Binder, Asphalt Cement, Roofing Asphalt, Bitumen.
Claims use since May 30, 1912.

Ser. No. 250,284. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 10, 1927.

MAYAN

Particular description of goods.—Brick.
Claims use since Feb. 1, 1927.

Ser. No. 250,350. THE ASSOCIATED PORTLAND CEMENT MANUFACTURERS, LIMITED, London, England. Filed June 11, 1927.

PYRAMID

Particular description of goods.—Portland Cement.
Claims use since 1868.

Ser. No. 250,663. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 17, 1927.

MEDIAEVAL

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 250,665. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 17, 1927.

HONEYSUCKLE

Particular description of goods.—Brick.
Claims use since March, 1925.

Ser. No. 250,667. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 17, 1927.

CATHEDRAL

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 250,779. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 20, 1927.

PUEBLO

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 250,885. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 22, 1927.

MONTICELLO

Particular description of goods.—Brick.
Claims use since January, 1927.

CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.

Ser. No. 250,323. THE PLUSSCO COMPANY, INC., Concord, N. H. Filed June 10, 1927.

PLUSSCO

Particular description of goods.—Pipe Hangers.
Claims use since May 23, 1927.

CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.

Ser. No. 249,809. ROCKFORD MALLEABLE IRON WORKS, Rockford, Ill. Filed May 31, 1927.

GUNITE

Particular description of goods.—Iron Carbon Alloy.
Claims use since Apr. 2, 1927.

Ser. No. 249,994. RICHARDS COMPANY, INC., Boston, Mass. Filed June 3, 1927.



Applicant makes no claim to the exclusive use of the word "Babbitt" apart from the mark shown in the drawing.
Particular description of goods.—Babbitt Metal.
Claims use since Apr. 20, 1927.

CLASS 15. OILS AND GREASES.

Ser. No. 245,471. CHAMPLIN REFINING COMPANY, Enid, Okla. Filed Mar. 10, 1927.



Particular description of goods.—Gasoline.
Claims use since July, 1922.

Ser. No. 246,882. BLUE RIBBON OIL COMPANY, Chicago, Ill. Filed Apr. 4, 1927.



The lettering appears in white and the representation of the seal in blue.
Particular description of goods.—Lubricating Oils and Greases, Kerosene, and Gasoline.
Claims use since Jan. 1, 1925.

Ser. No. 246,883. BLUE RIBBON OIL COMPANY, Chicago, Ill. Filed Apr. 4, 1927.

BLUE SEAL

The lettering is in blue.
Particular description of goods.—Lubricating Oils and Greases, Gasoline, and Kerosene.
Claims use since about Jan. 1, 1925.

Ser. No. 248,202. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Apr. 29, 1927.



Applicant disclaims the word "Aviation" except as used in connection with the other features of the mark.
Particular description of goods.—Gasoline.
Claims use since Mar. 13, 1913.

Ser. No. 248,654. SWAN-FINCH OIL CORPORATION, New York, N. Y. Filed May 7, 1927.



The vertical lines in the drawing indicate the color red. Otherwise the mark is as shown.
Particular description of goods.—Illuminating Oil, Motor Fuel Oil, Lubricating Oil, and Lubricating Grease.
Claims use since Apr. 21, 1927.

Ser. No. 249,152. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed May 18, 1927.

Canzol

Particular description of goods.—Motor Fuel Oil.
Claims use since Apr. 1, 1927.

CLASS 16. PAINTS AND PAINTERS' MATERIALS.

Ser. No. 231,940. THE MOORE PROCESS CHEMICAL COMPANY, INC., Dallas, Tex. Filed May 20, 1926.

MOOREITE

Particular description of goods.—Paint-Removing Compositions.
Claims use since Apr. 15, 1924.

Ser. No. 244,143. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 10, 1927.



Particular description of goods.—Lacquers, Lacquer Enamels, Stains, Polishes for Automobiles, Furniture, and the Like, Glazes, Primers, Thinners, Fillers, and Intermediates—i. e., Materials Used for a Lacquer Base and as a Sealing Coat Between Old Varnish or Paint and Lacquer Finishes.
Claims use since Aug. 25, 1926.

Ser. No. 247,901. JOSEPH A. LUBY, Newark, N. J. Filed Apr. 23, 1927.

ALMONDA

Particular description of goods.—Polishing and Cleaning Oil for All Varnished or Duco Surfaces.
Claims use since Apr. 12, 1917.

Ser. No. 248,613. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y., and San Francisco, Calif. Filed May 7, 1927.

QUAKER GIRL

Particular description of goods.—Dry Paint.
Claims use since May, 1923.

Ser. No. 249,287. THE PAYSON VARNISH CO., New York, N. Y. Filed May 20, 1927.

PAYSON'S F-F-T

No claim is made to the word "Payson's" apart from the other features of the mark as shown in the drawing.

Particular description of goods.—Paste, Semipaste, and Ready-Mixed Paints, Varnishes, Paint Enamels, Lacquers, and Japans.

Claims use since May 10, 1927.

Ser. No. 249,288. THE PAYSON VARNISH CO., New York, N. Y. Filed May 20, 1927.

PAYSON'S ENAMEL-LIFE

No claim is made to the word "Payson's" apart from the other features of the mark as shown in the drawing.

Particular description of goods.—Paste, Semipaste, and Ready-Mixed Paints, Varnishes, Paint Enamels, Lacquers, and Japans.

Claims use since May 10, 1927.

Ser. No. 250,347. AMALGAMATED PAINT COMPANY, New York, N. Y. Filed June 11, 1927.

IMMA-Q-LITE

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.

Claims use since June 1, 1925.

CLASS 19. VEHICLES, NOT INCLUDING ENGINES.

Ser. No. 248,803. VILLOR P. WILLIAMS, Baltimore, Md. Filed May 10, 1927.



No claim is made to the words "Parkmobile Equipped" and "New York 6" apart from the mark as shown.

Particular description of goods.—Automobiles.

Claims use since Feb. 15, 1926.

CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.

Ser. No. 212,764. THE TUANGI SALES COMPANY, Cleveland, Ohio. Filed Apr. 15, 1925.

T-N-T

Particular description of goods.—Spark Plugs for Internal-Combustion Engines.

Claims use since Apr. 13, 1925.

Ser. No. 214,227. AMERICAN RESISTOR COMPANY, Milwaukee, Wis., assignor to American Resistor Corporation, Philadelphia, Pa., a Corporation of New York. Filed May 13 1925.

Globar

Particular description of goods.—Electrical Appliances for Current Limiting, Regulating, and Distributing Purposes—Namely, Rheostats, Current and Voltage Regulators, Lightning, and High-Voltage Protective Devices, Brushes, and Contact-Making Devices, and Parts Thereof; Electrical Appliances for Heat-Producing Purposes—Namely, Domestic and Industrial Electric Heaters and Driers for Heating and Drying Air and Various Materials and Articles, and Electric Furnaces, and Parts Thereof; Electrical Appliances for Lighting Purposes—Namely, Incandescent and Arc Lamps and Parts Thereof; Electrical Appliances for Electrical Converting Purposes—Namely, Rectifiers, Batteries, and Accumulators, and Parts Thereof, and Especially Such Electrical Appliances Aforesaid and Parts Thereof as are Provided with or Include Electrical Resistance Elements and Units Essentially and Substantially of Carbon or Carbon Compounds for Use for Electrical Current Limiting, Regulating, Distributing, Heating, Lighting, and Converting Purposes.

Claims use since July 11, 1923.

Ser. No. 244,228. DOROTHY A. GARRY, doing business as Lighting Specialties Co., Brooklyn, N. Y. Filed Feb. 11, 1927.



All words shown in the drawing except the word "Diamond" are disclaimed apart from the mark as shown.

Particular description of goods.—Electric Flood and Spot Lights for Illuminating Store Windows, Displays, and the Like.

Claims use since Apr. 1, 1926.

Ser. No. 245,057. KNAPP ELECTRIC CORPORATION, Port Chester, N. Y. Filed Mar. 1, 1927.

RED CAP

Particular description of goods.—Electric Motors Generally, and Particularly Electric Motors Suitable for Driving Fans.

Claims use since Jan. 5, 1927.

Ser. No. 245,059. KNAPP ELECTRIC CORPORATION, Port Chester, N. Y. Filed Mar. 1, 1927.



The lines in the pictorial representation of a cap shown in the drawing indicate the color red. No claim is made to the words "Always At Your Service" apart from the mark as shown in the drawing.

Particular description of goods.—Electric Motors Generally, and Particularly Electric Motors Suitable for Driving Fans.

Claims use since Jan. 5, 1927.

Ser. No. 248,915. THE LINCOLN QUALITY PRODUCTS COMPANY, Cleveland, Ohio. Filed May 12, 1927.



Particular description of goods.—Radio Receiving and Detecting Sets and Parts Thereof, Radio and Audio Frequency Transformers, Power Transformers for Radio Battery Eliminators, Coupling Coils, Fixed and Variable Condensers, Antennæ, Loop Antennæ, and Antennæ Equipment.

Claims use since about Sept. 15, 1926.

Ser. No. 249,222. GROSS CHANDELIER CO., St. Louis, Mo. Filed May 19, 1927.



No claim is made to the word "Damascan" apart from the mark as shown.

Particular description of goods.—Electric-Lighting Fixtures.

Claims use since Mar. 1, 1927.

Ser. No. 249,825. VOLTON BATTERY CO., INC., Brooklyn, N. Y. Filed May 31, 1927.

VOLTON

Particular description of goods.—Batteries.

Claims use since Oct. 1, 1922.

Ser. No. 249,886. JOHN LOGIE BAIRD, London, England. Filed June 2, 1927.

TELEVISOR

Particular description of goods.—Apparatus for Use in Transmitting Views, Scenes, or Images to a Distance by Telegraphy.

Claims use since Nov. 9, 1925.

Ser. No. 249,940. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ky. Filed June 3, 1927.

OLD KENTUCKY HOME

Particular description of goods.—Radio Receiving Sets and Radio Loud Speakers.

Claims use since November, 1926.

Ser. No. 250,241. IGRAD CONDENSER & MFG. CO., INC., Rochester, N. Y. Filed June 9, 1927.

IGRAD B UNIT

No claim is made to the letter "B" and word "Unit." The drawing is lined for red.

Particular description of goods.—Electrical Condensers.

Claims use since Aug. 15, 1926.

Ser. No. 250,289. ARCO BATTERY & PLATE CO., doing business as Minuet Electric Co., Fort Wayne, Ind. Filed June 10, 1927.

MINUET

Particular description of goods.—Storage Batteries.

Claims use since Mar. 1, 1927.

Ser. No. 250,518. OCHILTREE ELECTRIC COMPANY, Pittsburgh, Pa. Filed June 14, 1927.

Covelite

Particular description of goods.—Electric-Lighting Fixtures.

Claims use since October, 1926.

Ser. No. 250,638. RADIART LABORATORIES, INC., Cleveland, Ohio. Filed June 16, 1927.

MAGNAFORMER

Particular description of goods.—Radio Frequency Transformers.

Claims use since June 8, 1927.

CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 244,370. JOSEF SCHMALZ, doing business as J. Schmalz, Pforzheim, Germany. Filed Feb. 14, 1927.

Exita

Particular description of goods.—Knives and Forks of Nonprecious Material, Scythes, Sickles, Straw Knives, Hatchets, Saws, Saw Blades, Weapons for Cut and Thrust; Tools for Metal Workers—Namely, Files, Hammers, Vises, Planes, Taps, Dies, Reamers, Borers, Drills, Drill Chucks, and Hand-Operated Flywheel Drilling Devices; Jewelers' Tools—Namely Drawing Benches, Draw Plates, Wire Mills, Rolling Mills, Presses, Stamps, Shears, Pliers, Nippers, Tongs, Forceps, Pincers, Polishing and Grinding Tools; Pulleys, Engravers' Vise Clamps, and Tank Filters for Recovering the Precious Metal from Refiners' Sweeps and Wash Waters.

Claims use since 1911.

Ser. No. 244,910. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y. Filed Feb. 26, 1927.



The lining shown on the drawing is for shading.

Particular description of goods.—Cap Openers, Closure-Applying Machines and Pressure-Processing Systems for Cooking and Sterilizing Sealed Receptacles Containing Foods.

Claims use since 1913.

Ser. No. 247,723. JOSHUA HUDSON WILLIAMS, doing business as Autosign Co., Greenville, S. C. Filed Apr. 19, 1927.

AUTOSIGN

Particular description of goods.—Mechanical Advertising Machines.

Claims use since on or about June, 1926.

Ser. No. 247,801. MARKT & HAMMACHER COMPANY, doing business as Excelsior M'f'g. Company, New York, N. Y. Filed Apr. 21, 1927.



Particular description of goods.—Farming and Garden Tools—Namely, Rakes, Spades, Manure Forks, Hay Forks, Beet Forks, Coke Forks, Stone Forks, Hoes, Potato and Manure Hooks, Hooks for Dragging Stones, Cultivators, Shovels, Weeders, and Turf Edgers.

Claims use since prior to 1895.

Ser. No. 247,803. MARKT & HAMMACHER COMPANY, New York, N. Y. Filed Apr. 21, 1927.

RISING SUN

Particular description of goods.—Farming and Garden Tools—Namely, Rakes, Spades, Manure Forks, Hay Forks, Beet Forks, Coke Forks, Stone Forks, Hoes, Potato and Manure Hooks, Hooks for Dragging Stones, Cultivators, Shovels, Weeders, and Turf Edgers.

Claims use since prior to 1895.

Ser. No. 248,809. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa. Filed May 11, 1927.

DURITE

Particular description of goods.—Steel Rolls Adapted for Use in Machines for Rolling Steel Into Special Shapes.

Claims use since Mar. 23, 1927.

Ser. No. 248,858. THE PARKERSBURG RIG AND REEL COMPANY, Parkersburg, W. Va. Filed May 11, 1927.

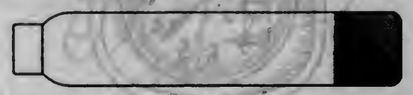


The words appearing on the drawing except the name of applicant corporation are disclaimed apart from the mark as shown. The drawing is lined for the colors green, gold, and red.

Particular description of goods.—Derricks, Walking Beams, Crown Blocks, Drilling Machines, and Sand Reels.

Claims use since on or about Aug. 5, 1920.

Ser. No. 249,559. R. WALLACE & SONS MFG. CO., Wallingford, Conn. Filed May 25, 1927.



No claim is made to the representation of a handle per se. The mark consists in coloring the free ends of the tools and utensils green. The lining indicates the color green.

Particular description of goods.—Kitchen and Household Tools or Utensils—To Wit, Cake Turners, Spatulas, Potato Mashers, Knives of Base Metal, Ice Picks, Kitchen Forks, Apple Corers, Can Openers, Kitchen Trowels, Egg Beaters, and Various Types of Kitchen Spoons Including Strainer Spoons, Batter Spoons, Basting Spoons, Stirring Spoons, and Mixing Spoons.

Claims use since Apr. 1, 1927.

Ser. No. 249,719. GENERAL CARBONIC COMPANY, New York, N. Y. Filed May 28, 1927.

FYRE-FREEZ

Particular description of goods.—Fire-Extinguishing Containers and Their Appliances.

Claims use since January, 1927.

Ser. No. 249,891. THE CONESTOGA CORPORATION, Bethlehem, Pa. Filed June 2, 1927.

KING-PIN

Particular description of goods.—Bladed Tools—Namely, Shovels, Ice Scrapers, and Sod Cutters.

Claims use since on or about August, 1925.

Ser. No. 250,026. KELLY AXE & TOOL CO., INC., Charleston, W. Va., and New York, N. Y. Filed June 4, 1927.



No registration rights are claimed for the word "Americanax."

Particular description of goods.—Adzes, Axes, Bush Hooks, Grass Hooks, Grub Hoes, Hammers, Hatchets, Machetes, Mattocks, Picks, and Scythes.

Claims use since 1907.

Ser. No. 250,104. GUY N. TURNER, doing business as Turner Mfg. Co., Los Angeles, Calif. Filed June 6, 1927.



No claim is made to the exclusive use of the words "Los Angeles, U. S. A."

Particular description of goods.—Grease Ram.

Claims use since about May 17, 1927.

CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.

Ser. No. 236,178. REMINGTON TYPEWRITER COMPANY, New York, N. Y. Filed Aug. 18, 1926.

Remington

The lining of trade-mark drawing expresses the color yellow or golden. Applicant is the owner of Trade-Marks No. 15,357, dated Apr. 10, 1888, and renewed Apr. 10,

1918; No. 15,375 dated Apr. 17, 1888, and renewed Apr. 17, 1918; No. 15,900 dated Oct. 23, 1888, and renewed Oct. 23, 1918; No. 15,961 dated Oct. 23, 1888, and renewed Oct. 23, 1918, and No. 227,965 dated May 17, 1927.

Particular description of goods.—Adding and Accounting Machines.

Claims use since about 1907.

Ser. No. 248,706. METROPOLITAN PICTURES CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed May 9, 1927.



No claim is made to the word "Picture" except as shown in conjunction with the other features of the mark.

Particular description of goods.—Motion Pictures.

Claims use since Nov. 1, 1925.

Ser. No. 249,344. LEE DE FOREST, New York, N. Y. Filed May 21, 1927.

COMIC
COMMENTARIES

Particular description of goods.—Motion-Picture Films and Talking-Picture Films.

Claims use since May 2, 1927.

Ser. No. 250,113. REX S. CLARK, doing business as Clark Cine-Service, Detroit, Mich. Filed June 7, 1927.



Particular description of goods.—Moving-Picture Films, Moving-Picture Cameras, and Moving-Picture Projectors.

Claims use since Feb. 10, 1927.

Ser. No. 250,404. CHARLES DONALD FOX, New York, N. Y. Filed June 11, 1927.



No claim is made to the word "Comedies" apart from the mark shown on the drawing.

Particular description of goods.—Motion-Picture-Film Productions.

Claims use since Apr. 11, 1927.

Ser. No. 250,684. EDUCATIONAL PICTURES, INC., New York, N. Y. Filed June 17, 1927.

Juvenile
-COMEDIES-

Applicant disclaims exclusive right to the use of the word "Comedies" except as the same is used in connection with the other features of the mark shown on the drawing.

Particular description of goods.—Motion Pictures.

Claims use since Sept. 2, 1923.

CLASS 27. HOROLOGICAL INSTRUMENTS.

Ser. No. 248,176. JOSEPH GOTTLIEB, doing business as Jagot, New York, N. Y. Filed Apr. 29, 1927.

JAGOT

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.

Claims use since Apr. 15, 1927.

Ser. No. 249,652. EVKOB WATCH CO., New York, N. Y. Filed May 27, 1927.



No claim is made to the exclusive use of the words "Perfect Service" apart from the mark shown in the drawing.

Particular description of goods.—Watches.

Claims use since about March, 1922.

Ser. No. 250,157. GEO. BORGFELDT & CO., New York, N. Y. Filed June 8, 1927.



Particular description of goods.—Clocks and Parts Thereof.

Claims use since Oct. 10, 1926.

CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.

Ser. No. 233,457. MAURICE L. NOVACK, Minneapolis, Minn. Filed June 18, 1926.

REST-RIGHT

Particular description of goods.—Finger Rings.

Claims use since Mar. 15, 1925.

Ser. No. 248,042. CHARLES M. LEVY & SON, New York, N. Y. Filed Apr. 27, 1927.



The lining on the drawing is intended to indicate shading only.

Particular description of goods.—Articles of Jewelry Made of Precious or Semiprecious Metals or a Combination Thereof—Namely, Rings, Bracelets, and Other Personal Jewelry, But Not Including Watches.

Claims use since 1890.

Ser. No. 249,666. LIPPMANN, SPIER & HAHN, New York, N. Y. Filed May 27, 1927.



Particular description of goods.—Bracelets, Bead Necklaces, Metal Necklaces, Brooches, Bar Pins, Earrings, Cuff Pins, and Finger Rings. Also Mesh Bags, Vanity Cases, Hair Bandeaux, and Hat Ornaments Made of or Plated with Precious Metal.

Claims use since Nov. 10, 1926.

Ser. No. 249,949. COHN & ROSENBERGER, INC., New York, N. Y. Filed June 3, 1927.

Spirit of St. Louis

Particular description of goods.—Ornamental Pins Made of or Plated with Precious Metal.

Claims use since May 26, 1927.

CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.

Ser. No. 241,971. PHYLLIS MARGARET TWIGG, St. Andrews, Ventnor, Isle of Wight, England. Filed Dec. 24, 1926.

PUSSYFOOT

Particular description of goods.—Porcelain and Earthenware Goods.

Claims use since about Oct. 27, 1926.

CLASS 31. FILTERS AND REFRIGERATORS.

Ser. No. 249,819. THE STEEL PRODUCTS ENGINEERING COMPANY, Springfield, Ohio. Filed May 31, 1927.

COLD WAVE

Particular description of goods.—Refrigerators and Refrigerating Apparatus.

Claims use since Nov. 1, 1926.

CLASS 32. FURNITURE AND UPHOLSTERY.

Ser. No. 238,422. THE BEEBE COMPANY, Portland, Oreg. Filed Oct. 11, 1926.

Klazama
BALLOON BED

The word "Bed" is disclaimed apart from the other features of the mark.

Particular description of goods.—Portable Air Mattress.

Claims use since Sept. 5, 1926.

Ser. No. 247,898. LEFEBURE CORPORATION, Cedar Rapids, Iowa. Filed Apr. 23, 1927.



The trade-mark comprises the words "The X-Ray Line" displayed on a conventional outline map of the United States from an approximately north central point on which radiate lines to the margin of the map.

Particular description of goods.—Bookracks, Portable Tables, Cabinets, Desks, and Shelving.

Claims use since on or about May 1, 1923.

Ser. No. 248,438. PEOPLE'S OUTFITTING COMPANY, Detroit, Mich. Filed May 4, 1927.

It's Easy to Pay-- the People's Way

Particular description of goods.—Bed Springs, Bed Frames, Buffets, Bookcases, Baby Carriages, Chiffoniers, China Cabinets, Cedar Chests, Chiffonobes, Dining-Room Chairs, Desks, Dining-Room Tables, Dressers, Kitchen Cabinets, Kitchen Tables, Library Tables, and Stands, Living-Room Suites, Mirrors, Rocking Chairs, Telephone Stands, and Chairs.
Claims use since 1907.

CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.

Ser. No. 233,803. WILLIAM H. WOOD, doing business as Rexlite Company, Cleveland, Ohio. Filed June 26, 1926.

REXLITE

Particular description of goods.—Metal Headlight Reflectors.
Claims use since about July 1, 1915.

Ser. No. 249,323. EDWARD P. BLISS JR., Philadelphia, Pa. Filed May 21, 1927.

THERMATIC

Particular description of goods.—Automatically-Controlled Coal Combustion Systems or Parts Therefor Including the Blower-Controlling Mechanism.
Claims use since May 13, 1927.

Ser. No. 249,486. ORR & SEMBOWER, INC., Reading, Pa. Filed May 24, 1927.



No claim is made to the words "Steel Boilers" or Watertoob" apart from the mark shown.
Particular description of goods.—Coal, Wood, Oil, or Gas Burning Steam and Hot-Water Heating Furnaces.
Claims use since about Mar. 1, 1927.

Ser. No. 250,591. AJAX RADIATOR ENCLOSURE CO. INC., Brooklyn, N. Y. Filed June 16, 1927.

ARECO

Particular description of goods.—Radiator Inclosures.
Claims use since June 1, 1927.

CLASS 35. BELTING, HOSE, MACHINERY PACKING AND NONMETALLIC TIRES.

Ser. No. 250,991. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 23, 1927.

ANODE

Particular description of goods.—Inner Tubes for Pneumatic Tires.
Claims use since about May 24, 1927.

Ser. No. 250,992. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 23, 1927.

ANODEX

Particular description of goods.—Inner Tubes for Pneumatic Tires.
Claims use since about May 24, 1927.

CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.

Ser. No. 245,144. THE HELLENIC PHONOGRAPH CO., New York, N. Y. Filed Mar. 3, 1927.



No claim is made to the words "Piano Rolls" nor to the representation of the goods apart from the mark shown in the drawing.
Particular description of goods.—Piano Rolls and Phonograph Records.
Claims use since latter part of February, 1927.

Ser. No. 248,494. M. HOHNER, INC., New York, N. Y. Filed May 5, 1927.



The portrait shown is that of M. Hohner, deceased, the founder of the business of the applicant.
Particular description of goods.—Mouth Harmonicas.
Claims use since November, 1895.

Ser. No. 249,377. J. SCHWARTZ MUSIC CO. INC., New York, N. Y. Filed May 21, 1927.



Particular description of goods.—Musical Instrument Accessories—Namely, Steel, Gut, and Silk Strings for Fretted and Bowed Instruments, Picks, Rosin for Bowed Instruments, Reeds for Clarinet, Saxophone, Oboe, and Bassoon, Saxophone Straps, Clarinet and Saxophone Pads, and Clarinet and Saxophone Mouthpieces.
Claims use since May 2, 1927.

Ser. No. 249,379. J. SCHWARTZ MUSIC CO. INC., New York, N. Y. Filed May 21, 1927.

PERFECTO

Particular description of goods.—Musical Instrument Accessories—Namely, Steel, Gut, and Silk Strings for Fretted and Bowed Instruments, Picks, Rosin for Bowed Instruments, Saxophone Straps, Clarinet and Saxophone Pads, and Clarinet and Saxophone Mouthpieces.
Claims use since February, 1923.

Ser. No. 250,022. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed June 4, 1927.



No rights are claimed in the expression "Made to Rival the Best" except in association with the other features of the mark.
Particular description of goods.—Phonograph Records.
Claims use since May 12, 1927.

CLASS 37. PAPER AND STATIONERY.

Ser. No. 239,112. THE HOSPITAL SPECIALTY CO., Cleveland, Ohio. Filed Oct. 23, 1926.

SUBS

Particular description of goods.—Cold Cream Remover Made in the Form of Paper Napkins.
Claims use since Aug. 12, 1926.

Ser. No. 242,744. PAPER SUPPLY COMPANY, Los Angeles, Calif. Filed Jan. 12, 1927.

DECO-WRAP

The word "Wrap" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Decorative and Fancy Papers—Namely, Christmas Papers, Shelf Papers, Put Up in Small Packages for Sale.
Claims use since July 1, 1925.

CLASS 38. PRINTS AND PUBLICATIONS.

Ser. No. 186,828. COYNE TRADE & ENGINEERING SCHOOL, doing business as Cooke Auto School, Chicago, Ill., assignor to Job-Way Home Study, Inc., Chicago, Ill. Filed Oct. 11, 1923.

The Cooke-Way Is the Job-Way to Big Pay

The trade-mark consists of slogan "The Cooke-Way Is The Job-Way to Big Pay."
Particular description of goods.—Printed Lessons and Lectures.
Claims use since Sept. 5, 1922.

Ser. No. 242,604. MODE PUBLISHING CO., INC., New York, N. Y. Filed Jan. 10, 1927.

Everywoman's Fashion MAGAZINE

Particular description of goods.—Periodical.
Claims use since Dec. 1, 1926.

Ser. No. 246,867. THE WAYSIDE GARDENS CO., Mentor, Ohio. Filed Apr. 2, 1927.



Particular description of goods.—Booklets Relating to the Culture of Flowers and Shrubs.
Claims use since March, 1924.

Ser. No. 246,966. MARKETING SPECIALISTS, INC., doing business as Independent Grocers' Alliance, Chicago, Ill. Filed Apr. 5, 1927.

INDEPENDENT GROCERGRAM

Particular description of goods.—Monthly Publication.
Claims use since Jan. 15, 1927.

Ser. No. 246,967. MARKETING SPECIALISTS, INC., doing business as Independent Grocers' Alliance, Chicago, Ill. Filed Apr. 5, 1927.



Particular description of goods.—Monthly Publication.
Claims use since Jan. 15, 1927.

Ser. No. 246,968. MARKETING SPECIALISTS, INC., doing business as Independent Grocers' Alliance, Chicago, Ill. Filed Apr. 5, 1927.

IGA

Particular description of goods.—Monthly Publication.
Claims use since Jan. 15, 1927.

Ser. No. 248,167. EXPORTERS & IMPORTERS JOURNAL, INC., New York, N. Y.; Boston, Mass.; San Francisco, Calif.; London and Liverpool, England. Filed Apr. 29, 1927.

EXPORTERS & IMPORTERS JOURNAL
With American Trade Current

Particular description of goods.—Monthly Magazine.
Claims use since on or about Apr. 23, 1892.

Ser. No. 250,616. HAIRE PUBLISHING COMPANY, INC., New York, N. Y. Filed June 16, 1927.

THE CORSET AND UNDERWEAR REVIEW

Particular description of goods.—Monthly Magazine.
Claims use since April, 1913.

Ser. No. 250,629. MONROE EVENING NEWS CO., Monroe, Mich. Filed June 16, 1927.

The Monroe Evening News

Particular description of goods.—Daily Newspaper.
Claims use since on or about May 7, 1918.

Ser. No. 250,828. UTICA DAILY PRESS COMPANY, Utica, N. Y. Filed June 20, 1927.

UTICA DAILY PRESS

Particular description of goods.—Daily Morning Newspaper.
Claims use since Mar. 13, 1882.

Ser. No. 250,895. BARRIST & GOODWIN, Philadelphia, Pa. Filed June 22, 1927.

BREVITY

Particular description of goods.—Monthly Magazine.
Claims use since June 1, 1927.

Ser. No. 250,938. THE RED STAR NEWS COMPANY, New York, N. Y. Filed June 22, 1927.

Flynn's Weekly Detective Fiction

No claim is made to the word "Weekly" apart from the mark shown in the drawing.
Particular description of goods.—Name of a Weekly Magazine.
Claims use since June 18, 1927.

Ser. No. 250,947. UNIVERSAL PORTLAND CEMENT CO., Chicago, Ill. Filed June 22, 1927.

Universal Dealer

Particular description of goods.—Monthly Magazine.
Claims use since Apr. 25, 1927.

Ser. No. 251,017. SHOE & LEATHER REPORTER, Boston, Mass. Filed June 23, 1927.

Shoe Merchandising

Particular description of goods.—Publication Issued Monthly.
Claims use since Apr. 1, 1927.

CLASS 39. CLOTHING.

Ser. No. 216,641. M. RICH & BROS. CO., Atlanta, Ga. Filed June 29, 1925.

THRIFT THURSDAY

Particular description of goods.—Aprons, Bath Robes, Bathing Caps, and Shoes Other than Rubber and Canvas for Men, Women, and Children, Bloomers, Blouses, Bodices, Brassières, Camisoles, House Slippers, Capes, Cloaks, Undergarments Both Knitted and Textile for Men, Women, and Children; Dressing Sacks, Gloves Both Kid and Fabric; Sleeping Garments—Namely, Nightshirts, Night Robes, Nightgowns, and Pyjamas Both Knitted and Textile for Men, Women, and Children; Swimming Suits for Men, Women, and Children, Knit Sweaters for Men, Women, and Children; Men's Dress, Negligee, and Work Shirts, Men's Neckties Both Knitted and Textile.
Claims use since June 8, 1925.

Ser. No. 232,420. PARAGON KNITTING MILLS, INCORPORATED, Philadelphia, Pa. Filed May 28, 1926.

Neu-men's

Particular description of goods.—Sweaters and Sweater Coats.
Claims use since on or about Apr. 6, 1926.

Ser. No. 237,159. C. P. FORD & COMPANY, INC., Rochester, N. Y. Filed Sept. 13, 1926.

ARCHETYPE
C. P. FORD & CO.
ROCHESTER, N. Y.

Applicant disclaims the right to the exclusive use of the name "C. P. Ford & Company" and the geographical term "Rochester, N. Y." except in the particular arrangement and association in which they appear with the rest of the mark as shown in the drawing.
Particular description of goods.—Women's Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since October, 1920.

Ser. No. 240,683. BION F. REYNOLDS CO., Brockton, Mass. Filed Nov. 27, 1926.

ARCH-RECTIFIER

Particular description of goods.—Leather Shoes for Men, Women, and Children.
Claims use since August, 1926.

Ser. No. 243,328. ROBERT L. SUMMERS, Boston, Mass. Filed Jan. 25, 1927.



DOBBS

Applicant disclaims the right to the exclusive use of the surname "Dobbs" apart from the mark shown in the drawing.
Particular description of goods.—Leather Boots and Shoes.
Claims use since Aug. 31, 1926.

Ser. No. 243,542. GORDON & FERGUSON, INC., St. Paul, Minn. Filed Jan. 29, 1927.



Particular description of goods.—Clothing for Men and Women—Namely, Fur-Lined Suits, Sheep-Lined Suits, Lamb-Lined Suits, Unlined Suits, and Fur-Collared Suits; Lined-Leather Coats, Unlined Leather Coats, and Fur-Collared Leather Coats; Lined Leather Vests and Unlined Leather Vests; Leather Helmets, Cloth Helmets, and Fur-Felt Helmets; Leather Caps and Cloth Caps, Fur Felt Hats, Leather Mittens, Fur Mittens, and Fur-Lined Mittens; Leather Gloves, Fur Gloves, and Fur-Lined Gloves, and Leather Breeches.
Claims use since on or about Jan. 1, 1927.

Ser. No. 243,854. GREENEBAUM BROS. & COMPANY, Philadelphia, Pa. Filed Feb. 5, 1927.

Collegiate

Particular description of goods.—One and Two Piece Pyjamas.
Claims use since Jan. 3, 1927.

Ser. No. 244,438. GRUSHLAW AND SICHEL, Philadelphia, Pa. Filed Feb. 16, 1927.

WEATHERALL

Particular description of goods.—Knit Jackets.
Claims use since Feb. 1, 1927.

Ser. No. 247,698. NEUSTADTER BROTHERS, San Francisco, Calif. Filed Apr. 19, 1927.

FLICK-IT

Particular description of goods.—Children's Play Suits and Rompers, Men's and Boys' Negligee, Work, and Dress Shirts, Blouses, Pants, and Overalls, and Blazer Shirts.
Claims use since Apr. 8, 1927.

Ser. No. 248,268. VOLUNTEER KNITTING MILLS, Chattanooga, Tenn. Filed Apr. 30, 1927.

VOLUNTEER

Particular description of goods.—Men's and Children's Knitted Underwear.
Claims use since May 15, 1920.

Ser. No. 248,444. PLOTTEL BROTHERS, New York, N. Y. Filed May 4, 1927.

THE TAILORED RAINCOAT

Applicant disclaims the words "The Tailored Raincoat" apart from the mark shown in the drawing.
Particular description of goods.—Raincoats.
Claims use since February, 1926.

Ser. No. 248,702. MELVILLE SHOE CORPORATION, New York, N. Y. Filed May 9, 1927.



Applicant owns registration Nos. 170,095 and 170,435. The picture is fanciful.
Particular description of goods.—Leather and Combination Cloth and Leather Shoes.
Claims use since Feb. 23, 1927.

Ser. No. 248,767. FREDERICK LOESER AND CO., INC., Brooklyn, N. Y. Filed May 10, 1927.

NARCISSE

Particular description of goods.—Hosiery, Flat and Knit Underwear in One and Two Piece Garments for Women and Children, and Fabric and Skin Gloves.
Claims use since about May 8, 1907, on gloves; since Dec. 20, 1926, on hosiery; and since Jan. 15, 1927, on underwear.

Ser. No. 248,797. ABRAHAM SANDLER, Boston, Mass. Filed May 10, 1927.

ARCH HEALTH

Particular description of goods.—Shoes of Leather, Imitation Leather, and Fabric.
Claims use since on or about May 1, 1922.

Ser. No. 249,332. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Winnie Modes

The word "Modes" is disclaimed except in association with the other features of the mark for the purpose of registration.
Particular description of goods.—Ladies' and Misses' Hats.
Claims use since May 7, 1927.

Ser. No. 249,336. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed May 21, 1927.

Lora

Particular description of goods.—Ladies' and Misses' Hats.
Claims use since May 10, 1927.

Ser. No. 249,347. L. GITTELMAN & SONS, New York, N. Y. Filed May 21, 1927.



The use of the word "Brand" as part of the trade-mark is disclaimed.
Particular description of goods.—Boys' Wash and Novelty Suits.
Claims use since Nov. 1, 1925.

Ser. No. 249,393. VANITY FAIR SILK MILLS, Reading, Pa. Filed May 21, 1927.

SILKENESE

Particular description of goods.—Knitted and Textile Underwear Consisting of Vests, Bloomers, Knickerbockers, Drawers, Union Suits, Combinations Having a Bandeau for a Top Portion and a Bloomer for the Bottom Portion or Having a Bandeau for the Top Portion and a Step-In Draw for the Bottom Portion, Chemises, Envelope Chemises, Corset Covers, Nightgowns, Bathing Suits, Pyjamas Made of Knitted or Textile Material for Adults and Babies, Pettibockers, Step-In Drawers, Princess Slips, Petticoats, Bandeaux, and Bandeau Chemises, Men's Silk Underwear—Namely, Union Suits, Shirts, and Drawers.
Claims use since May 14, 1927.

Ser. No. 249,570. MURCH R. CADY, Grand Rapids, Mich. Filed May 26, 1927.

Silver Queen THE GLOVE SUPREME

Applicant disclaims the right to the exclusive use of the phrase "The Glove Supreme" except in the particular arrangement and association in which it appears with the mark.
Particular description of goods.—Rubber Gloves for Household Use.
Claims use since May 10, 1926.

Ser. No. 249,735. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed May 28, 1927.

HAPPY LAD

Particular description of goods.—Boys' Dress Shirts, Pyjamas, and Blouses.
Claims use since December, 1925.

Ser. No. 249,969. HARRY FINK & COMPANY, Los Angeles, Calif. Filed June 3, 1927.



The lining appearing on the drawing is for the purpose of shading only.
Particular description of goods.—Hosiery.
Claims use since Feb. 18, 1927.

Ser. No. 250,036. PLYMOUTH RUBBER COMPANY, INC., Canton, Mass. Filed June 4, 1927.

ACE

Particular description of goods.—Rubber Heels, Rubber Soles, and Rubber Taps for Soles.
Claims use since Mar. 1, 1925.

Ser. No. 250,647. THE SAMUEL STORES, INC., New York, N. Y. Filed June 16, 1927.

MOTOR-TEX

Particular description of goods.—Men's and Women's Outer Apparel, Suits, Outer Coats, and Raincoats.
Claims use since June 1, 1927.

Ser. No. 250,700. LORD & TAYLOR, New York, N. Y. Filed June 17, 1927.

Charlaine

Particular description of goods.—Women's Hats.
Claims use since June 4, 1927.

Ser. No. 250,748. HALL, HARTWELL & CO. INC., Troy, N. Y. Filed June 18, 1927.

TAILOR CRAFT

Particular description of goods.—Dress, Negligee, and Work Shirts and Collars.
Claims use since June 10, 1927.

Ser. No. 250,812. W. H. MILES SHOE CO., INC., Richmond, Va.



Particular description of goods.—Boots and Shoes Made of Leather.
Claims use since July, 1926.

CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.

Ser. No. 227,522. GEO. M. KHOURI & BROS., New York, N. Y. Filed Feb. 19, 1926.



Applicant disclaims the words "Warranted Pure Linen Hand Embroidered in Spain" apart from the mark shown in the drawing.
Particular description of goods.—Hand Embroidered Bed and Table Linen.
Claims use since Dec. 5, 1922.

Ser. No. 248,165. R. W. ELDRIDGE COMPANY, Charlotte, N. C. Filed Apr. 29, 1927.



Applicant disclaims the descriptive matter "A Man's Handkerchief, Soft, Smooth Finish, Finest Quality, A National Brand" apart from the mark as shown in the drawing. The trade-mark consists of an illustrated picture of a blue bird on a tree limb and the words "Blue Bird, A Man's Handkerchief, Soft, Smooth Finish, Finest Quality, A National Brand," on a rectangular background.
Particular description of goods.—Handkerchiefs.
Claims use since Nov. 1, 1926.

Ser. No. 248,295. ERNEST HAECKEL, doing business as Maria Haeckel, Los Angeles, Calif. Filed May 2, 1927.



Applicant disclaims the inhibited words "Weave" and "Los Angeles, Cal."
Particular description of goods.—Knitted Silk and Yarn Fabrics in the Piece.
Claims use since Feb. 1, 1926.

Ser. No. 248,761. EMPIRE SILK COMPANY, New York, N. Y. Filed May 10, 1927.

Creperuff

Particular description of goods.—Silk Piece Goods.
Claims use since Sept. 15, 1926.

Ser. No. 249,598. PENNSYLVANIA AXMINSTER CARPET CORPORATION, Philadelphia, Pa. Filed May 26, 1927.

PENN-ROYAL



The word "Royal" is disclaimed.
Particular description of goods.—Textile Rugs and Carpets.
Claims use since Aug. 1, 1925.

Ser. No. 249,900. JOHN W. HENSON COMPANY, INC., New York, N. Y. Filed June 2, 1927.

Glenbrig

Particular description of goods.—Draperies Made of Cotton and Silk or Cotton Trimmed With Silk or Made Entirely of Silk.
Claims use since May, 1913.

Ser. No. 250,166. DETMER, BRUNER & MASON, INC., New York, N. Y. Filed June 8, 1927.

KONEDARA

The lining in the trade-mark drawing indicates shading and not color.
Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since May 16, 1927.

Ser. No. 250,489. CARTER & ROGERS, Lebanon, N. H. Filed June 14, 1927.



No claim is made to the word "Fabrics."
Particular description of goods.—Piece Goods—Viz, a Fabric Made with a Cotton Warp and a Filling of Wool.
Claims use since Feb. 15, 1927.

Ser. No. 250,493. DUPLAN SILK CORPORATION, New York, N. Y. Filed June 14, 1927.

Du Ray

Particular description of goods.—Piece Goods of Silk, Rayon, and Mixtures of These Materials.
Claims use since Apr. 14, 1927.

Ser. No. 250,497. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Algereen

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,508. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Nympheen

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 250,509. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 14, 1927.

Sandra

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 230,639. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed June 16, 1927.

LADY LOVE

Particular description of goods.—Piece Goods of Silk, Cotton, Rayon, Wool, Linen, and Mixtures of These Materials.
Claims use since May 12, 1927.

Ser. No. 251,030. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed June 24, 1927.

EDNA MAY

Particular description of goods.—Piece Goods Made of Cotton, Wool, Linen, Silks, Artificial Silk, or Combinations Thereof.
Claims use since Oct. 1, 1921.

Ser. No. 251,111. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Damadoe

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Feb. 17, 1927.

Ser. No. 251,116. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Kunipelt

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 14, 1927.

Ser. No. 251,118. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Pensldere

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Feb. 23, 1927.

Ser. No. 251,120. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Viskat

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since May 19, 1927.

Ser. No. 251,126. F. DUCHARNE SILK CO. INC., New York, N. Y. Filed June 25, 1927.

SCHEHERAZADE

Particular description of goods.—Silk Piece Goods.
Claims use since about June, 1925.

Ser. No. 251,130. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed June 25, 1927.

Edda

Particular description of goods.—Woolen Piece Goods.
Claims use since May 10, 1927.

Ser. No. 251,167. M. C. D. BORDEN & SONS, INC., New York, N. Y. Filed June 27, 1927.

PONARD

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 15, 1926.

Ser. No. 251,168. M. C. D. BORDEN & SONS, INC., New York, N. Y. Filed June 27, 1927.

VONDALE

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 9, 1926.

Ser. No. 251,217. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 28, 1927.

Marmousa

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since June 11, 1927.

CLASS 46. FOODS AND INGREDIENTS OF FOODS.

Ser. No. 198,699. BREAKSTONE BROS., INC., New York, N. Y. Filed June 17, 1924.

BREAKSTONE'S



CREAM CHEESE

No claim is made to the name "Breakstone's" or the words "Cream Cheese" except in association with the trade-mark as shown.
Particular description of goods.—Cream Cheese.
Claims use since about October, 1923.

Ser. No. 211,981. THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Apr. 1, 1925.

Creamette

Particular description of goods.—Tea and Coffee.
Claims use since Mar. 1, 1924.

Ser. No. 214,239. SALVATORE DI CARLO, Los Angeles, Calif. Filed May 13, 1925.

San Fernando Crest

Particular description of goods.—Fresh Citrous Fruits—Namely, Grapefruit, Oranges, and Lemons.
Claims use since Feb. 1, 1925.

Ser. No. 217,590. ANTON TUTTER, doing business as Log Cabin Bakery, Los Angeles, Calif. Filed July 18, 1925.

LOG CABIN



Particular description of goods.—Bread.
Claims use since July 9, 1922.

Ser. No. 224,080. CHARROW BROTHERS, Philadelphia, Pa. Filed Dec. 2, 1925.

"Adds Joy to Your Meals"

Particular description of goods.—Butter and Bread.
Claims use since July 1, 1914.

Ser. No. 227,911. J. D. ROSZELL COMPANY, Peoria, Ill. Filed Feb. 27, 1926.



Applicant disclaims any attempt to cover in this registration the words "Pasteurized Milk" except in the precise relation and association in which the same appears on the drawing. The lining indicates a color such as orange.
Particular description of goods.—Pasteurized Milk.
Claims use since Apr. 28, 1925.

Ser. No. 229,834. UNITED HOME DRESSED MEAT COMPANY, Altoona, Pa. Filed Apr. 7, 1926.

HOME DRESSED UNITED MEAT COMPANY

Particular description of goods.—Dried Beef.
Claims use since Nov. 24, 1925.

Ser. No. 231,602. HANDY ANDY COMMUNITY STORES, INC., Miami, Fla. Filed May 14, 1926.



No claim is made to the color lines appearing on the drawing.
Particular description of goods.—Canned Peaches.
Claims use since May 10, 1926.

Ser. No. 234,207. FREY BROS., Lodi, Calif. Filed July 6, 1926.

GOLDEN BEAR

Particular description of goods.—Fresh Deciduous Fruits—Namely, Fresh Prunes, Fresh Cherries, and Fresh Grapes.
Claims use since May 8, 1926.

Ser. No. 240,976. INDUSTRIA MARMELLATE E CONSERVE ALIMENTARIA, Voghera, Italy. Filed Dec. 4, 1926.



Particular description of goods.—Preserved Fruits.
Claims use since about May, 1914.

Ser. No. 241,531. HUMPHREY FRUIT FARM, Belleville, W. Va. Filed Dec. 15, 1926.



Particular description of goods.—Farm Products—Namely, Fresh Apples, Eggs in Shell, and Baby Chicks.
Claims use since Aug. 1, 1924.

Ser. No. 243,226. C. F. MUELLER COMPANY, Jersey City, N. J. Filed Jan. 22, 1927.



The tinting in the drawing is employed to indicate the colors red and blue. No claim is made to the words "Cooked Spaghetti" apart from the mark as shown.
Particular description of goods.—Prepared Spaghetti.
Claims use since about July 26, 1926.

Ser. No. 244,364. EDWARD J. O'CONNOR, doing business as Larada Coffee House, Youngstown, Ohio. Filed Feb. 14, 1927.

LARADA

Particular description of goods.—Coffee, Tea, Rice, and Food-Flavoring Extracts.
Claims use since Jan. 18, 1927.

Ser. No. 245,126. THE WETTENGEL CORPORATION, Rochester, N. Y. Filed Mar. 2, 1927.



We-tew

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Pork and Beans.
Claims use since Feb. 15, 1927.

Ser. No. 245,575. NORTH FREEDOM CANNING CO., North Freedom, Wis. Filed Mar. 11, 1927.



Particular description of goods.—Canned Vegetables.
Claims use since February, 1919.

Ser. No. 246,116. PALMETTO COFFEE COMPANY, INC., Washington, D. C. Filed Mar. 21, 1927.

DIPLOMAT

Particular description of goods.—Eggs and Butter.
Claims use since Sept. 10, 1926.

Ser. No. 246,808. ANGUS WATSON & CO. (AMERICA) LIMITED, San Francisco, Calif. Filed Apr. 2, 1927.

SEA PEARL

Particular description of goods.—Canned Sardines.
Claims use since 1909.

Ser. No. 246,836. M. KRATCHWIL CANDY CO., doing business as Kratchwil Candy Co., La Crosse, Wis. Filed Apr. 2, 1927.

VELVO SWEETS

No claim is made to the word "Sweets" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since November, 1919.

Ser. No. 247,422. J. H. FILBERT, INC., Baltimore, Md. Filed Apr. 14, 1927.

QUAKER ROLL

Applicant makes no claim to the word "Roll" in the brand "Quaker Roll" apart from the mark shown.
Particular description of goods.—Oleomargarine.
Claims use since Jan. 1, 1924.

Ser. No. 247,771. BARGER & GOLIGHTLY, Paducah, Ky. Filed Apr. 21, 1927.



Particular description of goods.—Fresh Strawberries, Dewberries, Raspberries, and Apples.
Claims use since 1918.

Ser. No. 247,786. DOUGLAS QUARRIE COMPANY, doing business as Douglas, Philadelphia, Pa. Filed Apr. 21, 1927.

Dolly Madison

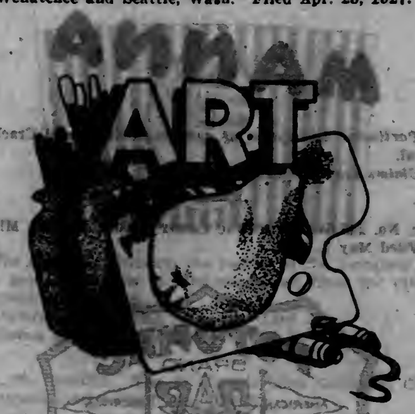
Particular description of goods.—Candy.
Claims use since Nov. 6, 1926.

Ser. No. 247,863. MOSES BROS., doing business as Holdenville Mill & Elevator Co., Holdenville, Okla. Filed Apr. 22, 1927.

CREMO

Particular description of goods.—Dairy-Feed Mixture Consisting of Wheat Bran, Ground Oats, Alfalfa, Molasses, Corn Feed Meal, Corn Gluten Feed, Linseed Meal, Cottonseed Meal, and Salt.
Claims use since 1915.

Ser. No. 247,980. WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Filed Apr. 25, 1927.



The pictorial representation of the goods is disclaimed apart from the other features of the mark as shown.
Particular description of goods.—Canned Fruits.
Claims use since Aug. 1, 1925.

Ser. No. 248,327. SCHROEDER BROS., New York, N. Y. Filed May 2, 1927.



Applicant disclaims color.
Particular description of goods.—Cheese, Olive Oil, and Canned Tomatoes.
Claims use since January, 1927.

Ser. No. 248,436. PACIFIC COAST CANNERS, INC., Oakland, Calif. Filed May 4, 1927.

SUNNY GARDEN

Particular description of goods.—Canned Vegetables, Canned Tomato Purée, Tomato Catchup, and Vinegar.
Claims use since Aug. 26, 1922.

Ser. No. 248,507. THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio. Filed May 5, 1927.

MANNA

Particular description of goods.—Crackers and Cracker Meal.
Claims use since Feb. 25, 1921.

Ser. No. 248,649. POTOMAC CANDY STUDIO, Detroit, Mich. Filed May 7, 1927.



All geographical and descriptive terms shown on the drawing—namely, the words "Brand, Quality, American, Good, Candies, Potomac"—are disclaimed apart from the mark shown. The lining on the drawing is for shading purposes only.
Particular description of goods.—Candies.
Claims use since Mar. 30, 1927.

Ser. No. 248,683. HECKER-H-O COMPANY, INC., Buffalo, N. Y. Filed May 9, 1927.



Particular description of goods.—Whole Wheat Cereal Foods.
Claims use since Jan. 18, 1926.

Ser. No. 248,768. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed May 10, 1927.

Fibred

Particular description of goods.—Dried, Smoked, Pickled, Salted, and Canned Fish.
Claims use since July 1, 1893. Applicant is owner of registration #50,247, effected under the ten-year proviso.

Ser. No. 248,836. HARRY HALL & CO. INC., San Francisco, Calif. Filed May 11, 1927.

CASTLE

Particular description of goods.—Canned Fruits, Canned Vegetables, and Dried Fruits.
Claims use since 1895.

Ser. No. 249,229. MARITIME MILLING COMPANY INC., Buffalo, N. Y. Filed May 19, 1927.

MARMICO

Particular description of goods.—Dairy Feed.
Claims use since about Oct. 25, 1926.

Ser. No. 249,579. WILLIAM H. ESTES, doing business as Estes Bakery, Ardmore, Okla. Filed May 26, 1927.

Butter Kist

Particular description of goods.—Bread.
Claims use since January, 1917.

Ser. No. 249,589. CLEM HUNSMAN, doing business as American Maid Food Products Sales Co., Bloomington, Ill., and Indianapolis, Ind. Filed May 26, 1927.

AMERICAN MAID

Particular description of goods.—Coffee, Cocoa, Tea, Nut Oleomargarine, Oleomargarine, Peanut Spread, Mayonnaise, Thousand Island Dressing, Sandwich Dressing, Prepared Mustard, Prepared Mustard with Horse-Radish Flavor, Spices, Black Pepper, Dessert Powder with Pure Fruit Flavors Such as Cherry, Lemon, Orange, Peach,

Raspberry, and Strawberry; Preserves—Namely, Raspberry, Strawberry, and Blackberry; Sweet Mixed Pickles, Luncheon Pickles, Vegetable Relish, and Creamed Horse-Radish.
Claims use since August, 1923, on nut oleomargarine and oleomargarine and on the balance of the other named products since May, 1925.

Ser. No. 249,834. CHARLES MILLSAPS BUTTERFIELD, doing business as the Fruit Products Co., Savannah, Ga. Filed June 1, 1927.

PALMETTO

Particular description of goods.—Vinegar—Namely, Cider, Distilled, Malt, Wine, and Sirup Vinegars.
Claims use since July 16, 1915.

Ser. No. 250,059. BLANK & GOTTSHALL CO., INC., Sunbury and Williamsport, Pa. Filed June 6, 1927.



Particular description of goods.—Stock Feeds Including Poultry Feeds Comprising Chick Starter, Chick Grains, Growing Mash, Egg Mash, Scratch Grains, Developing Feed, and Crate Fattener as Well as Other Feeds Such as Dairy Rations and Pig Meal.
Claims use since Oct. 15, 1926.

Ser. No. 250,070. J. N. COLLINS COMPANY, Minneapolis, Minn. Filed June 6, 1927.

HONEY SCOTCH

Particular description of goods.—Sirup for Ice-Cream Sundaes and Food Purposes.
Claims use since Nov. 10, 1926.

Ser. No. 250,071. J. N. COLLINS COMPANY, Minneapolis, Minn. Filed June 6, 1927.

WALNETTO

Particular description of goods.—Sirup for Ice-Cream Sundaes and Food Purposes.
Claims use since Nov. 10, 1926.

Ser. No. 250,081. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed June 6, 1927.



The applicant disclaims the outline of the container of the goods shown on the drawing apart from the other features of the mark.
Particular description of goods.—Lard.
Claims use since Jan. 1, 1922.

Ser. No. 250,082. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed June 6, 1927.



The applicant disclaims the outline of the container of the goods shown on the drawing apart from the other features of the mark.
Particular description of goods.—Lard.
Claims use since Jan 1, 1922.

Ser. No. 250,096. ROCKY MOUNTAIN PACKING CORPORATION, Salt Lake City, Utah. Filed June 6, 1927.

Rocky-Mountain

Particular description of goods.—Canned Fruits, Canned Vegetables, and Catchup.
Claims use since May 31, 1927.

Ser. No. 250,312. LIEUX BROS., doing business as L. Lindsly and Lieux Bros., New Roads, La. Filed June 10, 1927.

Land L

Particular description of goods.—Coffee.
Claims use since November, 1921.

Ser. No. 250,320. GEORGE DOWNEY STRAUB, doing business as Youth Aid Mfg. Co., Bellaire, Ohio. Filed June 10, 1927.

YOUTH AID

Particular description of goods.—Coffee Substitute.
Claims use since May 1, 1927.

Ser. No. 250,415. Mrs. Elizabeth Barlow, doing business as Non-Fattening Products Co., Rochester, N. Y. Filed June 11, 1927.

MON AMI
(MY FRIEND)

Particular description of goods.—Mayonnaise.
Claims use since June 8, 1927.

Ser. No. 250,445. Dilbert Bros., Inc., New York and Brooklyn, N. Y. Filed June 13, 1927.

Beechwoods

Particular description of goods.—Eggs.
Claims use since June 6, 1927.

Ser. No. 250,496. Florida Nut Products Co., West Palm Beach, Fla., and Washington, D. C. Filed June 14, 1927.

SunKrisp

Particular description of goods.—Salted and Shelled Nuts of All Kinds Both Domestic and Foreign.
Claims use since June 1, 1927.

Ser. No. 250,653. Tuscaloosa Syrup Co., Inc., Tuscaloosa, Ala. Filed June 16, 1927.

'BAMA'S

Particular description of goods.—Table Sirup.
Claims use since Nov. 6, 1925.

Ser. No. 250,804. M. R. Johnston Coffee Co. Inc., Baltimore, Md. Filed June 20, 1927.

PINEHURST CLUB

Particular description of goods.—Coffee.
Claims use since Feb. 23, 1927.

Ser. No. 250,837. Corn Products Refining Company, New York, N. Y. Filed June 21, 1927.

Snow Flake

Particular description of goods.—Edible Starch.
Claims use since about 1873.

Ser. No. 250,893. Badger Pickle Co., Matteon, Wis. Filed June 22, 1927.

Wisconsin Playground's Brand

No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Sweet Pickles.
Claims use since May 26, 1927.

Ser. No. 251,033. Giroux Company, Inc., doing business as Federal Food Products Corp., New York, N. Y. Filed June 24, 1927.

ENGLAND PRIDE

Particular description of goods.—Worcestershire Sauce.
Claims use since August, 1920.

Ser. No. 251,269. Fleischmann's Vienna Model Bakery, Inc., New York, N. Y. Filed June 29, 1927. Under 10-year proviso.

Fleischmann's

Particular description of goods.—Coffee.
Claims use since Dec. 20, 1876.

CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.

Ser. No. 250,485. Aluminum Company of America, Pittsburgh, Pa. Filed June 14, 1927.

Presto

Particular description of goods.—Caps for Mason Jars.
Claims use since Jan. 27, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 2, 1927.

230,574. GOLD-PLATED CANDLESTICKS, FRUIT BOWLS, SALT AND PEPPER SHAKERS, ETC. E. & J. Bass, Inc., New York, N. Y.
Filed December 28, 1926. Serial No. 242,041. PUBLISHED MAY 3, 1927. Class 26.

230,575. TOOTH PASTE. The Ko-Con-Ko Company, Oklahoma City, Okla.
Filed January 3, 1927. Serial No. 242,300. PUBLISHED MAY 24, 1927. Class 6.

230,576. HAIR GROWER, HAIR TONIC, FACE CREAM, AND FACE LOTION. Mary Etta Tullis, Birmingham, Ala.
Filed January 3, 1927. Serial No. 242,319. PUBLISHED MAY 24, 1927. Class 6.

230,577. MINERAL OIL USED AS AN INSULATING MEDIUM IN ELECTRIC APPARATUS. R. T. Vanderbilt Company, Inc., New York, N. Y.
Filed January 4, 1927. Serial No. 242,358. PUBLISHED MAY 10, 1927. Class 15.

230,578. FACIAL CREAM. Howell Drug Company, Silver City, N. Mex.
Filed January 12, 1927. Serial No. 242,724. PUBLISHED MAY 17, 1927. Class 6.

230,579. FACIAL CREAM. Howell Drug Company, Silver City, N. Mex.
Filed January 12, 1927. Serial No. 242,725. PUBLISHED MAY 17, 1927. Class 6.

230,580. FERRUGINOUS TONIC AND HÆMOGLOBIN BASE FOR ANÆMIA, CONVALESCING CHLOROSIS, NEURASTHENIA, WEAKNESS AND POOR BLOOD. Julio Urrutia Martinez, San Antonio, Tex.
Filed January 12, 1927. Serial No. 242,732. PUBLISHED MAY 17, 1927. Class 6.

230,581. GASOLINE. Northern Iowa Oil Co., Cresco, Iowa.
Filed January 12, 1927. Serial No. 242,737. PUBLISHED APRIL 26, 1927. Class 15.

230,582. COLD CREAM, COMPLEXION CREAM, CLEANSING CREAM, VANISHING CREAM, SKIN TONIC, SKIN CLEANSER, ASTRINGENT, LIQUID POWDER, ALMOND AND CYDONIUM LOTION, ACNE LOTION, PORE CREAM, MUSCLE OIL, ROUGE, CERATE FOR USE AS A SKIN CLEANSER AND TO IMPROVE THE COMPLEXION, SMELLING SALTS, BATH VINEGAR, BATH SALTS, ALMOND MEAL, FACE AND TALCUM POWDER, TOOTH POWDER, SACHET, PERFUMES, AND TOILET WATERS. Saphes Incorporated, New York, N. Y.
Filed January 13, 1927. Serial No. 242,803. PUBLISHED MAY 17, 1927. Class 6.

230,583. FURNITURE. Thonet-Wanner Company, New York, N. Y.
Filed January 14, 1927. Serial No. 242,865. PUBLISHED MAY 24, 1927. Class 32.

230,584. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. S. Weissman Co., Inc., New York, N. Y.
Filed January 15, 1927. Serial No. 242,932. PUBLISHED APRIL 26, 1927. Class 27.

230,585. HEATING FURNACES USING WOOD, COAL, SAWDUST, OIL, OR GAS. Vancouver Sheet Metal & Furnace Works, Vancouver, Wash.
Filed January 17, 1927. Serial No. 242,972. PUBLISHED MAY 24, 1927. Class 34.

230,586. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. Hipp. Didisheim Co., Inc., New York, N. Y.
Filed January 21, 1927. Serial No. 243,152. PUBLISHED APRIL 26, 1927. Class 27.

230,587. ALMOND CREAM, BANDOLINE, BENZOIN LOTION, BATH SALTS, ETC. Buck and Rayner, Chicago, Ill.
Filed January 27 1927. Serial No. 243,412. PUBLISHED MAY 24, 1927. Class 6.

230,588. JAR RINGS. United States Rubber Company, New Brunswick, N. J., and New York, N. Y.
Filed February 2, 1927. Serial No. 243,780. PUBLISHED MAY 24, 1927. Class 35.

230,589. A MEDICINAL PREPARATION FOR THE RELIEF OF INFECTIONS, TOXIC, NERVOUS, AND DEBILITATED CONDITIONS IN ADULTS AND CHILDREN. Clarence Ohlendorf, Chicago, Ill.
Filed February 3, 1927. Serial No. 243,772. PUBLISHED MAY 17, 1927. Class 6.

230,590. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. The William A. Webster Company, Memphis, Tenn.
Filed February 5, 1927. Serial No. 243,900. PUBLISHED MAY 17, 1927. Class 6.

230,591. MEDICINAL PREPARATIONS FOR NEURALGIA, HEADACHE, RHEUMATISM, COLDS, SORE THROAT, COLIC, CRAMPS, DYSENTERY, DIARRHEA, SEASICKNESS, BRUISES, SPRAINS, CUTS, AND CHILBLAINS. The Twitchell-Champlin Company, Portland, Me., and Boston, Mass.
Filed February 7, 1927. Serial No. 243,984. PUBLISHED MAY 24, 1927. Class 6.

230,592. OPHTHALMIC MOUNTINGS AND PARTS THEREOF, LENSES, MANGIN MIRRORS, ETC. Bausch and Lomb Optical Company, Rochester, N. Y.
Filed February 8, 1927. Serial No. 243,993. PUBLISHED MAY 24, 1927. Class 26.

230,593. GASOLINE, KEROSENE, MOTOR OILS, AND GREASES. Henry B. Van Dyne, doing business as Van Dyne Oil Company, Troy, Pa.
Filed February 8, 1927. Serial No. 244,036. PUBLISHED MAY 10, 1927. Class 15.

230,594. A PREPARATION FOR USE IN THE TREATMENT OF ASTHMA AND ALL BRONCHIAL TROUBLES. Lucinda F. Beaudreau, Fallon, Nev.
Filed March 28, 1927. Serial No. 246,460. PUBLISHED MAY 17, 1927. Class 6.

230,595. FUEL ECONOMIZER FOR HEATING PLANTS. Robert Parsons King, Ellsworth, Me.
Filed March 28, 1927. Serial No. 246,483. PUBLISHED MAY 24, 1927. Class 34.

230,596. LIQUID BLEACH FOR WASHING CLOTHES USED WITH HOT OR COLD WATER. Alfredo Lucati, New York, N. Y.
Filed March 28, 1927. Serial No. 246,487. PUBLISHED MAY 17, 1927. Class 6.

230,597. LIVE COWS. A. L. FITZ PATRICK, Philadelphia, Pa.
Filed March 30, 1927. Serial No. 246,605. PUBLISHED MAY 24, 1927. Class 46.

230,598. FACE POWDERS, TALCUM POWDERS, TOOTH POWDERS, DUSTING POWDERS, NAIL POWDERS, FOOT POWDERS, AND DEODORANT POWDERS. FREDERICK A. SCHWANNECKE, doing business as F. A. Schwannecke Co., New Rochelle, N. Y.
Filed March 30, 1927. Serial No. 246,637. PUBLISHED MAY 17, 1927. Class 6.

230,599. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed March 30, 1927. Serial No. 246,644. PUBLISHED MAY 24, 1927. Class 42.

230,600. FABRIC OF PIECE GOODS WITHOUT WARP OR WOOF WHOSE BASE IS COTTON FIBERS COMPRESSED BY HEATED CYLINDERS AND IMPREGNATED WITH A RUBBER COMPOUND. NINA LARBEY DURYEA, New York, N. Y.
Filed March 31, 1927. Serial No. 246,675. PUBLISHED MAY 24, 1927. Class 42.

230,601. CANNED VEGETABLES. CARLL CANNING CO., Gorham, Me.
Filed April 1, 1927. Serial No. 246,738. PUBLISHED MAY 24, 1927. Class 46.

230,602. CANNED VEGETABLES—NAMELY, PUMPKIN, BEETS, PEAS, BEANS, TOMATOES; FRESH VEGETABLES—NAMELY, LETTUCE, TOMATOES, ASPARAGUS, AND SPINACH. PUYALLUP & SUMNER FRUIT GROWERS ASSOCIATION, Puyallup, Wash.
Filed April 1, 1927. Serial No. 246,770. PUBLISHED MAY 24, 1927. Class 46.

230,603. MACHINES FOR MAKING PRINTING PLATES. ADDRESSOGRAPH COMPANY, Chicago, Ill.
Filed April 2, 1927. Serial No. 246,801. PUBLISHED MAY 24, 1927. Class 23.

230,604. WOOLEN PIECE GOODS. AMERICAN WOOLEN COMPANY, Boston, Mass.
Filed April 2, 1927. Serial No. 246,806. PUBLISHED MAY 24, 1927. Class 42.

230,605. CANDY. BUNTE BROTHERS, doing business as Bunte, Chicago, Ill.
Filed April 2, 1927. Serial No. 246,813. PUBLISHED MAY 24, 1927. Class 46.

230,606. PNEUMATIC TIRES, RUBBER BELTING, AND CANVAS BELTING. GASH-STULL COMPANY, Chester, Pa.
Filed April 2, 1927. Serial No. 246,828. PUBLISHED MAY 24, 1927. Class 35.

230,607. INSECTICIDE. THOMAS P. PERDUE, doing business as Hillcrest Drug Company, Sarasota, Fla.
Filed April 2, 1927. Serial No. 246,847. PUBLISHED MAY 10, 1927. Class 6.

230,608. CANTON SILK IN THE PIECE. CHARLES BROWN & COMPANY, INC., New York, N. Y.
Filed April 4, 1927. Serial No. 246,884. PUBLISHED MAY 24, 1927. Class 42.

230,609. FRUIT AND VEGETABLE WOODEN PACKAGES AND PARTS THEREOF. FARMERS MANUFACTURING COMPANY, Norfolk, Va.
Filed April 4, 1927. Serial No. 246,893. PUBLISHED MAY 24, 1927. Class 2.

230,610. DENTIFRICES. KEMIC POWDER CO., Seattle, Wash.
Filed April 5, 1927. Serial No. 246,961. PUBLISHED MAY 17, 1927. Class 6.

230,611. TONIC LAXATIVE AND ALTERATIVE. BERT O. LYTLE, doing business as Vitalite Medicine Company, Green Bay, Wis.
Filed April 5, 1927. Serial No. 246,965. PUBLISHED MAY 17, 1927. Class 6.

230,612. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, SOLID PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. MATE, INC., Philadelphia, Pa.
Filed April 5, 1927. Serial No. 246,969. PUBLISHED MAY 17, 1927. Class 6.

230,613. SHOULDER-STRAP RIBBON IN THE PIECE OR BOLT. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 5, 1927. Serial No. 246,981. PUBLISHED MAY 24, 1927. Class 42.

230,614. POWDERS INTENDED FOR THE RELIEF OF CHAFED AND TENDER SKINS. CHAFO MANUFACTURING COMPANY, Detroit, Mich.
Filed February 28, 1927. Serial No. 244,984. PUBLISHED MAY 17, 1927. Class 6.

230,615. INHALANT MEDICATION IN PASTE OR SEMILIQUID FORM FOR THE RELIEF AND PREVENTION OF COLDS, CATARRH, AND OTHER ACUTE RESPIRATORY AFFECTIONS. KLOREX, INC., Indianapolis, Ind.
Filed March 7, 1927. Serial No. 245,349. PUBLISHED MAY 24, 1927. Class 6.

230,616. MEDICINE FOR GONORRHEA. JACOB LORENZ, St. Louis, Mo.
Filed March 11, 1927. Serial No. 245,568. PUBLISHED MAY 24, 1927. Class 6.

230,617. PREPARATION FOR THE TREATMENT OF THE SKIN, CHAPPED HANDS, CHAFED AND SCALED SKIN, FRECKLES, SUNBURN, AND TAN. CAMERON-SPROWLS PHARMACY CO., Superior, Wis.
Filed March 17, 1927. Serial No. 245,889. PUBLISHED MAY 24, 1927. Class 6.

230,618. TOILET POWDER. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md.
Filed March 17, 1927. Serial No. 245,930. PUBLISHED MAY 24, 1927. Class 6.

230,619. TOILET POWDER. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md.
Filed March 17, 1927. Serial No. 245,931. PUBLISHED MAY 24, 1927. Class 6.

230,620. TOILET POWDER. THE SILICA GEL PRODUCTS CORPORATION, Baltimore, Md.
Filed March 17, 1927. Serial No. 245,932. PUBLISHED MAY 24, 1927. Class 6.

230,621. BLEACHING COMPOUND. GEORGE CHARLES GAGAN, Mount Vernon, N. Y.
Filed March 25, 1927. Serial No. 246,343. PUBLISHED MAY 24, 1927. Class 6.

230,622. MEDICINAL COMPOUND FOR TREATING SORES AND SKIN DISEASES. WILLIAM H. HOGGE, Holder, Fla.
Filed March 26, 1927. Serial No. 246,406. PUBLISHED MAY 24, 1927. Class 6.

230,623. FUNGICIDE SEED DISINFECTANT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed March 31, 1927. Serial No. 246,674. PUBLISHED MAY 24, 1927. Class 6.

230,624. ANTIFOULING COMPOUND FOR COATING STORAGE-BATTERY TERMINALS, CABLES, CONNECTIONS, AND TERMINALS ON RADIO SETS, ETC. THE YOUNG LABORATORIES, Bay City, Mich.
Filed April 2, 1927. Serial No. 246,871. PUBLISHED MAY 24, 1927. Class 6.

230,625. BISMUTH ARSPHENAMINE SULPHONATE. ABBOTT LABORATORIES, North Chicago, Ill.
Filed April 4, 1927. Serial No. 246,877. PUBLISHED MAY 24, 1927. Class 6.

230,626. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. GERE, INC., New York, N. Y.
Filed April 9, 1927. Serial No. 247,181. PUBLISHED MAY 24, 1927. Class 6.

230,627. A MEDICINAL PREPARATION FOR THE TREATMENT OF RHEUMATISM AND ALSO AS A GENERAL TONIC AND SYSTEM PURIFIER. JOSEPH SCHANTZ, doing business as T. U. T. Mfg. Co., Newark, N. J.
Filed April 9, 1927. Serial No. 247,215. PUBLISHED MAY 24, 1927. Class 6.

230,628. ANTIKNOCK COMPOUNDS FOR MOTOR FUEL. ETHYL GASOLINE CORPORATION, Moraine City, City, Dayton, Ohio.
Filed April 13, 1927. Serial No. 247,365. PUBLISHED MAY 24, 1927. Class 6.

230,629. MEDICINAL PREPARATION FOR THE TREATMENT OF HEMORRHOIDS AND PILES. ANTONINO R. MARTINO, doing business as Italy Laboratories, New York, N. Y.
Filed April 13, 1927. Serial No. 247,378. PUBLISHED MAY 24, 1927. Class 6.

230,630. INSECTICIDES AND RODENTICIDES. W. C. MCKEE, Columbus, Ga.
Filed April 14, 1927. Serial No. 247,440. PUBLISHED MAY 24, 1927. Class 6.

230,631. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. THE ALLIANCE ART PRODUCTS COMPANY, Alliance, Ohio.
Filed April 16, 1927. Serial No. 247,513. PUBLISHED MAY 24, 1927. Class 6.

230,632. GENERAL TONIC. DAVID E. STRICKLER, Latrobe, Pa.
Filed April 16, 1927. Serial No. 247,578. PUBLISHED MAY 24, 1927. Class 6.

230,633. PERFUMES. PARFUMS EDOUARDO, A CORPORATION, New York, N. Y.
Filed April 18, 1927. Serial No. 247,634. PUBLISHED MAY 24, 1927. Class 6.

230,634. MEDICINAL TABLETS FOR USE OF WOMEN IN RELIEVING MENSTRUAL PAIN. LABORATORIES JAQ INCORPORATED, New York, N. Y., assignor to The Sydney Ross Company, Newark, N. J., a Corporation of New Jersey.
Filed March 3, 1927. Serial No. 245,148. PUBLISHED APRIL 26, 1927. Class 6.

230,635. MATCHES. JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden.
Filed March 5, 1926. Serial No. 228,192. PUBLISHED APRIL 12, 1927. Class 9.

230,636. COFFEE. VALLEY CITY COFFEE AND SPICE MILLS, LEE & CADY, OWNERS, Saginaw, Mich.
Filed March 16, 1926. Serial No. 228,718. PUBLISHED MAY 24, 1927. Class 46.

230,637. GARMENT PRESSES. THE UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed April 1, 1926. Serial No. 229,530. PUBLISHED MAY 24, 1927. Class 24.

230,638. SHAMPOO AND CORRECTIVE FOR DANDRUFF. EDWARD A. ZINK, doing business as The Co-Quin-Ol Company, New York, N. Y.
Filed April 10, 1926. Serial No. 229,997. PUBLISHED MAY 17, 1927. Class 6.

230,639. PYROMETER TUBES. CHAMPION PORCELAIN COMPANY, Detroit, Mich.
Filed April 19, 1926. Serial No. 230,383. PUBLISHED JULY 18, 1926. Class 26.

230,640. DISINFECTANTS, (COAL TAR) DRAIN SOLVENT, INSECT DESTROYERS, URINAL CAKES, AND RAT POISON. HENRY JACOBS, doing business as The Chex-O Company, Miami, Fla.
Filed May 4, 1926. Serial No. 231,107. PUBLISHED OCTOBER 19, 1926. Class 6.

230,641. GASOLINE MOTOR OIL, AND CUP GREASE, GEAR GREASE, AND LUBRICATING GREASE. JOHN HANCOCK OIL CO., Minneapolis, Minn.
Filed May 13, 1926. Serial No. 231,540. PUBLISHED APRIL 26, 1927. Class 15.

230,642. GINGER ALE, CARBONATED WATER, AND ROOT BEER. PEACOCK ALE CO., Chicago, Ill.
Filed July 19, 1926. Serial No. 234,731. PUBLISHED APRIL 19, 1927. Class 45.

230,643. MAXIMUM-TEMPERATURE INDICATORS FOR TRANSFORMERS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed August 9, 1926. Serial No. 235,734. PUBLISHED MAY 24, 1927. Class 26.

230,644. ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC MEDICINES. THE BAYER COMPANY, INC., New York, N. Y.
Filed August 12, 1926. Serial No. 235,874. PUBLISHED MAY 17, 1927. Class 6.

230,645. ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC MEDICINES. THE BAYER COMPANY, INC., New York, N. Y.
Filed August 12, 1926. Serial No. 235,877. PUBLISHED MAY 17, 1927. Class 6.

230,646. ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC MEDICINES. THE BAYER COMPANY, INC., New York, N. Y.
Filed August 12, 1926. Serial No. 235,878. PUBLISHED MAY 17, 1927. Class 6.

230,647. PHONOGRAPHS, REPRODUCERS, TONE ARMS, AND PHONOGRAPH NEEDLES. CONLEY CAMERA COMPANY, Rochester, Minn.
Filed August 16, 1926. Serial No. 236,008. PUBLISHED MAY 3, 1927. Class 36.

230,648. PEARL NECKLACES, BROOCHES, BEAD NECKLACES, BAR PINS, BRACELETS, AND EARRINGS. COLONIAL BEAD CO., INC., New York, N. Y.
Filed August 18, 1926. Serial No. 236,117. PUBLISHED MAY 17, 1927. CLASS 28.

230,649. WATERPROOF TEXTILE FABRICS FOR TABLE USE—NAMELY, LUNCHEON SETS, TRAY CLOTHS, TABLECLOTHS, AND SILENCE CLOTHS. KENLIT MFG. CO., Medford, Mass.
Filed August 19, 1926. Serial No. 236,169. PUBLISHED MAY 24, 1927. Class 42.

230,650. NONFERROUS METALS IN INGOTS, PIGS, BARS, AND MISCELLANEOUS SHAPES. HENRY GARDNER, GUITERMAN & CO., INC., New York, N. Y.
Filed August 27, 1926. Serial No. 236,548. PUBLISHED MARCH 29, 1927. Class 14.

230,651. SALT. E. L. KARNES, doing business as The Puritol Company, Kansas City, Mo.
Filed August 27, 1926. Serial No. 236,553. PUBLISHED MAY 17, 1927. Class 6.

230,652. PIANOS, ORGANS, PLAYER PIANOS, PLAYER ORGANS, AND AUTOMATIC PLAYER MECHANISM THEREFOR. AUTOMATIC MUSICAL INSTRUMENT COMPANY, Grand Rapids, Mich.
Filed September 9, 1926. Serial No. 237,012. PUBLISHED MAY 17, 1927. Class 36.

230,653. HEAVY SILK CREPE IN THE PIECE. DUPLEX SILK MILLS, INC., New York, N. Y.
Filed September 9, 1926. Serial No. 237,018. PUBLISHED MAY 24, 1927. Class 42.

230,654. LIQUID COATING COMPOSITION IN THE NATURE OF A CHEMICAL FOR RUSTPROOFING MATERIAL. PARKER RUST-PROOF COMPANY, Detroit, Mich.
Filed September 11, 1926. Serial No. 237,130. PUBLISHED MAY 17, 1927. Class 6.

230,655. ABSORBENT COTTON, ABSORBENT GAUZE, AND SANITARY NAPKINS. THE U. S. ASEPTIC SUPPLY SERVICE, INC., New York, N. Y.
Filed September 18, 1926. Serial No. 237,426. PUBLISHED MAY 17, 1927. Class 44.

230,656. LIVE COWS. A. L. FITZ PATRICK, Philadelphia, Pa.
Filed September 25, 1926. Serial No. 237,732. PUBLISHED MAY 24, 1927. Class 46.

230,657. HAIR GROWER. MARY E. BAKER, Philadelphia, Pa.
Filed October 5, 1926. Serial No. 238,151. PUBLISHED MAY 17, 1927. Class 6.

230,658. ARTIFICIAL RUBIES AND SAPPHIRES, ETC. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,096. PUBLISHED MAY 10, 1927. Class 28.

230,659. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New Work, N. Y.
Filed February 10, 1927. Serial No. 244,142. PUBLISHED MAY 17, 1927. Class 27.

230,660. PHONOGRAPH AND PHONOGRAPH SOUND BOXES. P. I. BURKS & Co., Louisville, Ky.
Filed February 11, 1927. Serial No. 244,217. PUBLISHED MAY 17, 1927. Class 36.

230,661. HEALING OINTMENT. JOSEPHINE S. ROUPE, doing business as Emerald Supply Co., Los Angeles, Calif.
Filed February 11, 1927. Serial No. 244,243. PUBLISHED MAY 17, 1927. Class 6.

230,662. COD-LIVER OILS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed February 12, 1927. Serial No. 244,313. PUBLISHED MAY 17, 1927. Class 6.

230,663. MEDICINAL PREPARATION IN PILL OR CAPSULE FORM FOR THE TREATMENT OF HEADACHE, COLDS, NEURALGIA, LA GRIPPE, AND RELIEF OF PAIN IN GENERAL. JOHN M. HOGAN, doing business as Sendol Company, Kansas City, Mo.
Filed February 21, 1927. Serial No. 244,696. PUBLISHED MAY 17, 1927. Class 6.

230,664. CANNED SALMON. DEEP SEA SALMON COMPANY, INC., Seattle, Wash.
Filed February 23, 1927. Serial No. 244,749. PUBLISHED MAY 24, 1927. Class 46.

230,665. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,751. PUBLISHED MAY 10, 1927. Class 27.

230,666. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,752. PUBLISHED MAY 10, 1927. Class 27.

230,667. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,753. PUBLISHED MAY 10, 1927. Class 27.

230,668. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,754. PUBLISHED MAY 17, 1927. Class 27.

230,669. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,755. PUBLISHED MAY 17, 1927. Class 27.

230,670. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,756. PUBLISHED MAY 10, 1927. Class 27.

230,671. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,757. PUBLISHED MAY 17, 1927. Class 27.

230,672. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,759. PUBLISHED MAY 10, 1927. Class 27.

230,673. WATCHES AND PARTS THEREOF. DIEL WATCH CASE CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,760. PUBLISHED MAY 10, 1927. Class 27.

230,674. WOOD SCREWS, METAL AND CAP SCREWS, LOCK WASHERS, BRASS SPLIT AND TUBULAR RIVETS, WING BOLT, METAL TUBING, CLEVIS PINS, AND NUTS. LEONARD A. HARRIS, doing business as Rotax Manufacturing Co., Newark, N. J.
Filed February 25, 1927. Serial No. 244,864. PUBLISHED MAY 24, 1927. Class 13.

230,675. COUGH MEDICINE; MEDICINE FOR COLDS, INFLUENZA, AND LA GRIPPE; THROAT GARGLE, THROAT LOZENGES, AND LINIMENT. NATHANIEL J. SEGAL, doing business as Jend Drug Company, Baltimore, Md.
Filed February 25, 1927. Serial No. 244,890. PUBLISHED MAY 17, 1927. Class 6.

230,676. MOUTH-OPERATED MUSICAL WIND INSTRUMENTS OF THE REED TYPE. WAYNE M. GRIFFIN, Manchester, N. H.
Filed February 26, 1927. Serial No. 244,929. PUBLISHED MAY 10, 1927. Class 36.

230,677. TOOLS—VIZ, TINNERS' SNIPS AND HAND SHEARS. BERGMAN TOOL MFG. CO., Buffalo, N. Y.
Filed February 28, 1927. Serial No. 244,976. PUBLISHED MAY 24, 1927. Class 23.

230,678. WATCHES AND PARTS THEREOF. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed October 20, 1926. Serial No. 238,929. PUBLISHED MAY 10, 1927. Class 27.

230,679. LUBRICATING OILS AND LUBRICATING GREASES WHICH CONTAIN COLLOIDAL GRAPHITE. E. DE HAEN A.-G., Seelze near Hanover, Germany.
Filed October 27, 1926. Serial No. 239,295. PUBLISHED APRIL 26, 1927. Class 15.

230,680. LUBRICATING OILS. ETHEL MAY PAGE, Northampton, Mass.
Filed November 1, 1926. Serial No. 239,542. PUBLISHED MAY 3, 1927. Class 15.

230,681. CONFECTIONERS' AND RESTAURANTS' SILVERWARE. ABRAHAM KOSTRINSKY, doing business as Grand Silver Company and Grand Metal Spinning Company, New York, N. Y.
Filed November 11, 1926. Serial No. 239,938. PUBLISHED FEBRUARY 1, 1927. Class 28.

230,682. SALVE AND A MEDICINE FOR BLOOD POISONING. MARY CIZAUCKAS, Springfield, Ill.
Filed November 12, 1926. Serial No. 239,969. PUBLISHED MAY 24, 1927. Class 6.

230,683. PERFUMES, COLOGNE, BEAUTY CREAM, AND SKIN LOTIONS. MARCEL GUERLAIN, Suresnes, Paris, France, assignor to Marcel Guerlain, Inc., a Corporation of New York.
Filed November 13, 1926. Serial No. 240,025. PUBLISHED MAY 17, 1927. Class 6.

230,684. [WITHDRAWN.]

230,685. FERTILIZER. MERCHANTS FERTILIZER & PHOSPHATE COMPANY, Charleston, S. C.
Filed December 2, 1926. Serial No. 240,871. PUBLISHED MAY 24, 1927. Class 10.

230,686. APPARATUS FOR RENOVATING GASOLINE FOR USE IN DRY-CLEANING SYSTEMS. HOLLAND-WIRT COMPANY, Laramie, Wyo.
Filed December 8, 1926. Serial No. 241,159. PUBLISHED MAY 24, 1927. Class 24.

230,687. CLOCKS AND WATCHES. ETNA WATCH COMPANY, New York, N. Y.
Filed December 10, 1926. Serial No. 241,270. PUBLISHED APRIL 26, 1927. Class 27.

230,688. VIOLINS, VIOLIN OUTFITS (MEANING A VIOLIN, BOW, CASE, CHIN REST, STRINGS, ROSIN, MUTE, CONSIDERED AS A SINGLE ENTITY), VIOLIN BOWS, AND VIOLIN CHIN RESTS, MUTES, AND STRINGS. CARL FISCHER, INC., New York, N. Y.
Filed December 10, 1926. Serial No. 241,273; PUBLISHED MAY 3, 1927. Class 36.

230,689. FRESH FISH, CANNED FISH, AND BOTTLED FISH, CHEESE, AND RICE. GUTHRIE & Co., LIMITED, Singapore, Straits Settlements, and London, England.
Filed December 10, 1926. Serial No. 241,279. PUBLISHED MAY 3, 1927. Class 46.

230,690. SHREDDED SULPHITE. FIDALGO SALES CORPORATION, Bellingham, Wash.
Filed December 18, 1926. Serial No. 241,404. PUBLISHED MAY 17, 1927. Class 6.

230,691. APPARATUS FOR FILTERING AND SOFTENING WATER. JOHN ASTROM, doing business as Progress Technical Company, Fort Wayne, Ind.
Filed December 16, 1926. Serial No. 241,554. PUBLISHED MAY 17, 1927. Class 31.

230,692. COOKIES. BEING A BISCUIT PRODUCT. ROBERT A. JOHNSTON CO., Milwaukee, Wis.
Filed December 20, 1926. Serial No. 241,726. PUBLISHED FEBRUARY 15, 1927. Class 46.

230,693. COOKIES, A BISCUIT PRODUCT. ROBERT A. JOHNSTON CO., Milwaukee, Wis.
Filed December 20, 1926. Serial No. 241,728. PUBLISHED FEBRUARY 15, 1927. Class 46.

230,694. RUBBING LINIMENTS. ARTHUR L. FEHSENFELD, Baltimore, Md.
Filed December 23, 1926. Serial No. 241,877. PUBLISHED MAY 17, 1927. Class 6.

230,695. PHONOGRAPH REPRODUCERS. SAMUEL ESHBORN, New York, N. Y.
Filed December 27, 1926. Serial No. 241,992. PUBLISHED MAY 3, 1927. Class 36.

230,696. SILVER-PLATED CANDLESTICKS, FRUIT BOWLS, SALT AND PEPPER SHAKERS, ETC. E. & J. BASS, INC., New York, N. Y.
Filed December 28, 1926. Serial No. 242,040. PUBLISHED MAY 3, 1927. Class 28.

230,697. SHEET GLASS, WINDOW GLASS, AND PLATE GLASS. SIMON BACHE & COMPANY, New York, N. Y.
Filed March 10, 1927. Serial No. 245,520. PUBLISHED MAY 24, 1927. Class 33.

230,698. WATCHES. THE DUBBER-HAMPDEN WATCH COMPANY, Canton, Ohio.
Filed March 2, 1927. Serial No. 245,086. PUBLISHED MAY 17, 1927. Class 27.

230,699. WATCHES, CLOCKS, WATCH MOVEMENTS, CLOCK MOVEMENTS, AND WATCH DIALS. MAX S. GREENWALD, New York, N. Y.
Filed March 2, 1927. Serial No. 245,092. PUBLISHED MAY 3, 1927. Class 27.

230,700. GASOLINE AND LUBRICATING OILS. LOOKOYLE REFINING COMPANY, Tulsa, Okla., and Joplin, Mo.
Filed March 2, 1927. Serial No. 245,100. PUBLISHED MAY 10, 1927. Class 15.

230,701. LUBRICATING OILS. SPECIALTY PRODUCTS CO., New York, N. Y.
Filed March 2, 1927. Serial No. 245,115. PUBLISHED MAY 3, 1927. Class 15.

230,702. BABY CARRIAGES. BILT-RITE BABY CARRIAGE CO., Brooklyn, N. Y.
Filed March 3, 1927. Serial No. 245,135. PUBLISHED MAY 24, 1927. Class 19.

230,703. COMBINED GERMICIDE, INSECTICIDE SOIL BUILDER AND PLANT FOOD FOR LAWNS, FLOWERS, SHRUBS, ETC. KALON PRODUCTS COMPANY, Kansas City, Mo.
Filed March 5, 1927. Serial No. 245,273. PUBLISHED MAY 24, 1927. Class 10.

230,704. WATCH CHAINS. R. F. SIMMONS COMPANY, Attleboro, Mass.
Filed March 5, 1927. Serial No. 245,304. PUBLISHED MAY 17, 1927. Class 28.

230,705. GASOLINE. ARMOULD OIL COMPANY, Quincy, Ill.
Filed March 7, 1927. Serial No. 245,318. PUBLISHED MAY 3, 1927. Class 15.

230,706. PRESERVED AND CANNED RAISINS AND GRAPES. THE RUBAYETTE CO., San Francisco, Cal.
Filed March 7, 1927. Serial No. 245,374. PUBLISHED MAY 24, 1927. Class 46.

230,707. DILUTING OIL FOR LUBRICANTS. WILLHELM OIL COMPANY, St. Paul, Minn.
Filed March 7, 1927. Serial No. 245,387. PUBLISHED MAY 17, 1927. Class 15.

230,708. READY-MIXED PAINT. ELCO PAINT PRODUCTS, INC., New York, N. Y.
Filed March 10, 1927. Serial No. 245,480. PUBLISHED MAY 17, 1927. Class 16.

230,709. PICKLING COMPOUNDS FOR CLEANING STEEL OR METAL. WILLIAM M. PARKIN, doing business as William M. Parkin & Company, Pittsburgh, Pa.
Filed March 10, 1927. Serial No. 245,513. PUBLISHED MAY 17, 1927. Class 6.

230,710. PHONOGRAPH RECORDS. THE STARR PIANO COMPANY, Richmond, Ind.
Filed March 11, 1927. Serial No. 245,591. PUBLISHED MAY 10, 1927. Class 36.

230,711. MOUTH HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed March 14, 1927. Serial No. 245,717. PUBLISHED MAY 10, 1927. Class 36.

230,712. COMPOUNDS FOR LEAKY RADIATORS. WILLIAM C. PAYNE, doing business as The Juanita Products Company, Burbank, Calif.
Filed March 10, 1927. Serial No. 245,514. PUBLISHED MAY 17, 1927. Class 6.

230,713. BEAUTY CREAMS, PERFUMES, AND HAIR TONICS. BETTY HARRINGTON, New York, N. Y.
Filed March 11, 1927. Serial No. 245,556. PUBLISHED MAY 17, 1927. Class 6.

230,714. LUBRICATING OILS AND GREASES. JENKIN-GUERIN OIL COMPANY, St. Louis, Mo.
Filed March 11, 1927. Serial No. 245,560. PUBLISHED MAY 3, 1927. Class 15.

230,715. GAS-BURNING HEATING APPARATUS FOR DOMESTIC AND COMMERCIAL FURNACES. CLARENCE EDWARD SCHORNBORN, Buffalo, N. Y.
Filed March 11, 1927. Serial No. 245,585. PUBLISHED MAY 24, 1927. Class 34.

230,716. TYPEWRITERS. GENERAL TYPEWRITER EXCHANGE, New York, N. Y.
Filed March 14, 1927. Serial No. 245,705. PUBLISHED MAY 24, 1927. Class 23.

230,717. WINE OF COD-LIVER OIL. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed October 9, 1926. Serial No. 238,408. PUBLISHED MAY 24, 1927. Class 6.

230,718. CANDY LAXATIVE. KICHITARO TAKI, North Bergen, N. J.
Filed March 14, 1927. Serial No. 245,761. PUBLISHED MAY 17, 1927. Class 6.

230,719. WIDE ELASTIC WEBBING. THE ANSONIA O & C COMPANY, Ansonia, Conn.
Filed March 16, 1927. Serial No. 245,822. PUBLISHED MAY 24, 1927. Class 42.

230,720. LIQUID COOLING HAIR RUB, HAIR FIXATIVE PREPARATION, AND A PREPARATION FOR REMOVING DANDRUFF. KOKEN COMPANIES, St. Louis, Mo.
Filed March 21, 1927. Serial No. 246,096. PUBLISHED MAY 17, 1927. Class 6.

230,721. SATIN PIECE GOODS. R. & H. SIMON COMPANY, Union City, N. J.
Filed March 21, 1927. Serial No. 246,128. Published MAY 24, 1927. Class 42.

230,722. MEDICATED CHEWING GUM RECOMMENDED FOR THE TREATMENT OF SORE THROAT. ANTISEPTIC GUM CO., Denver, Colo.
Filed March 22, 1927. Serial No. 246,144. PUBLISHED MAY 17, 1927. Class 6.

230,723. FIBER BAKING RECEPTACLES. SANI PAPER PRODUCTS CO., INC., Philadelphia, Pa.
Filed March 22, 1927. Serial No. 246,181. PUBLISHED MAY 24, 1927. Class 2.

230,724. PICTURE-FRAME-HOLDING PINS. CHARLES E. WILLIS, New York, N. Y.
Filed March 22, 1927. Serial No. 246,189. PUBLISHED MAY 24, 1927. Class 13.

230,725. GRAVE VAULTS. THE CLARK GRAVE VAULT CO., Columbus, Ohio.
Filed March 23, 1927. Serial No. 246,195. PUBLISHED MAY 24, 1927. Class 2.

230,726. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed March 23, 1927. Serial No. 246,237. PUBLISHED MAY 24, 1927. Class 19.

230,727. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed March 23, 1927. Serial No. 246,238. PUBLISHED MAY 24, 1927. Class 19.

230,728. STRINGS FOR MUSICAL INSTRUMENTS SUCH AS VIOLINS, VIOLAS, CELLOS, AND DOUBLE BASSES. HENRY STADLMAIR CO., INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,281. PUBLISHED MAY 10, 1927. Class 36.

230,729. UPRIGHT AND INVERTED GAS MANTLES. DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany.
Filed March 25, 1927. Serial No. 246,333. PUBLISHED MAY 24, 1927. Class 34.

230,730. LUBRICATING AND FUEL OILS, LIQUID FUELS CONSISTING OF GASOLINE AND KEROSENE. HERINGTON OIL COMPANY, Herington, Kans.
Filed March 25, 1927. Serial No. 246,346. PUBLISHED MAY 17, 1927. Class 15.

230,731. SOLDERING FLUID. CHARLES J. JOHNSON, doing business as Johnson Manufacturing Company, Chicago, Ill.
Filed March 26, 1927. Serial No. 246,412. PUBLISHED MAY 17, 1927. Class 6.

230,732. RUG BAGS. MOTHPROOF RUG BAG COMPANY, Savannah, Ga.
Filed March 26, 1927. Serial No. 246,426. PUBLISHED MAY 24, 1927. Class 2.

230,733. LINOLEUM AND FELT-BASE FLOOR COVERINGS, BOTH PIECE GOODS AND RUGS. ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Filed April 6, 1927. Serial No. 246,996. PUBLISHED MAY 24, 1927. Class 20.

230,734. PREPARATIONS FOR USE IN THE TREATMENT OF AILMENTS OF THE LUNGS. W. R. CHANDLER, doing business as W. R. Chandler & Sons, Paducah, Ky.
Filed April 6, 1927. Serial No. 247,003. PUBLISHED MAY 17, 1927. Class 6.

230,735. WHOOPING-COUGH COMPOUND. EDWARD T. DUBIS, Granville Center, Mass.
Filed April 6, 1927. Serial No. 247,007. PUBLISHED MAY 17, 1927. Class 6.

230,736. SANITARY NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed April 6, 1927. Serial No. 247,037. PUBLISHED MAY 17, 1927. Class 44.

230,737. WOVEN-FABRIC BELTS. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed April 6, 1927. Serial No. 247,041. PUBLISHED MAY 24, 1927. Class 35.

230,738. WEIGHING HAMMOCKS. GERTRUDE KLINE, Allentown, Pa.
Filed April 7, 1927. Serial No. 247,088. PUBLISHED MAY 24, 1927. Class 26.

230,739. CARPENTERS' BRACES, AND CHUCKS FOR HOLDING BITS AND DRILLS. UNITED HARDWARE & TOOL CORPORATION, New York, N. Y.
Filed April 7, 1927. Serial No. 247,107. PUBLISHED MAY 24, 1927. Class 23.

230,740. RAZORS. WESTER BROS., New York, N. Y.
Filed April 7, 1927. Serial No. 247,109. PUBLISHED MAY 24, 1927. Class 23.

230,741. WOOLEN TEXTILE FABRICS IN THE PIECE. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y.
Filed April 8, 1927. Serial No. 247,118. PUBLISHED MAY 24, 1927. Class 42.

230,742. PERFUME IN A CONCENTRATED OR SOLID FORM HAVING A HIGHER PERCENTAGE OF ESSENTIAL OILS THAN IS FOUND IN LIQUID PERFUME. RICHARD HUDNUT, New York, N. Y.
Filed April 8, 1927. Serial No. 247,130. PUBLISHED MAY 17, 1927. Class 6.

230,743. A SHORTENING MIXER. PATTERSON D. MERRILL, Chicago, Ill.
Filed April 8, 1927. Serial No. 247,138. PUBLISHED MAY 24, 1927. Class 23.

230,744. DUSTERS, HEATERS, AND COOLERS AND PARTS THEREOF FOR PRINTING AND ENAMELING MACHINES. B. L. NICHOLES & CO. INC., New York, N. Y.
Filed April 8, 1927. Serial No. 247,140. PUBLISHED MAY 24, 1927. Class 23.

230,745. CHEMICAL COMPOUND FOR ELECTRIC STORAGE BATTERIES. WEEKS & WINTER, Pawlet, Vt.
Filed April 8, 1927. Serial No. 247,152. PUBLISHED MAY 17, 1927. Class 6.

230,746. COTTON PIECE GOODS. THE ESMOND MILLS, Esmond, Smithfield, R. I.
Filed April 9, 1927. Serial No. 247,174. PUBLISHED MAY 24, 1927. Class 42.

230,747. THREAD. THE GARDINER HALL JR. COMPANY, South Willington, Conn., and New York, N. Y.
Filed April 9, 1927. Serial No. 247,185. PUBLISHED MAY 24, 1927. Class 43.

230,748. CASTOR-OIL EMULSION. NAVIS CHEMICAL CO., San Francisco, Calif.
Filed April 9, 1927. Serial No. 247,201. PUBLISHED MAY 24, 1927. Class 6.

230,749. LIQUID LAXATIVE FOR CONSTIPATION AND INDIGESTION AND OTHER AILMENTS CAUSED BY AN INACTIVE LIVER. SPEAR AND MORGAN MANUFACTURING COMPANY, Waycross, Ga.
Filed April 9, 1927. Serial No. 247,228. PUBLISHED MAY 17, 1927. Class 6.

230,750. POWDER FOR EXTERMINATING RATS AND MICE. CHAUNCEY F. YORK, doing business as Cheva Company, Detroit, Mich.
Filed April 9, 1927. Serial No. 247,238. PUBLISHED MAY 17, 1927. Class 6.

230,751. SILK PIECE GOODS. MAJESTIC SILK MILLS, INC., New York, N. Y.
Filed April 12, 1927. Serial No. 247,337. PUBLISHED MAY 24, 1927. Class 42.

230,752. LINOLEUM AND FELT-BASE FLOOR COVERINGS, BOTH PIECE GOODS AND RUGS. ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Filed April 14, 1927. Serial No. 247,406. PUBLISHED MAY 24, 1927. Class 20.

230,753. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT; FRESH DECIDUOUS FRUITS—NAMELY, POMEGRANATES; FRESH VEGETABLES—NAMELY, ASPARAGUS. HARRY N. KOEHLER, Brawley, Calif.
Filed April 15, 1927. Serial No. 247,482. PUBLISHED MAY 24, 1927. Class 46.

230,754. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. MISSION CITRUS ASSOCIATION, Redlands, Calif.
Filed April 15, 1927. Serial No. 247,485. PUBLISHED MAY 24, 1927. Class 46.

230,755. SILK PIECE GOODS. DANIEL N. COOKE, New York, N. Y.
Filed April 16, 1927. Serial No. 247,525. PUBLISHED MAY 24, 1927. Class 42.

230,756. INSECTICIDES. W. D. CARPENTER CO., INC., Syracuse, N. Y.
Filed April 21, 1927. Serial No. 247,776. PUBLISHED MAY 24, 1927. Class 6.

230,757. OIL AND SPIRIT STAINS, VARNISH STAIN, VARNISH, AND WOOD AND CRACK FILLER. S. C. JOHNSON & SON, Racine, Wis.
Filed June 16, 1923. Serial No. 182,100. PUBLISHED SEPTEMBER 25, 1923. Class 16.

230,758. CANNED FRUITS. EVERETT FRUIT PRODUCTS COMPANY, Everett, Wash.
Filed September 17, 1923. Serial No. 185,863. PUBLISHED JANUARY 6, 1925. Class 46.

230,759. PERFUMES. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed October 19, 1923. Serial No. 187,285. PUBLISHED JANUARY 8, 1924. Class 6.

230,760. FACE POWDERS, FACE CREAMS, PERFUMES, TOILET WATERS, ROUGES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, AND SACHET POWDERS. V. VIVAUDOU, INC., New York, N. Y.
Filed October 2, 1924. Serial No. 203,354. PUBLISHED NOVEMBER 18, 1924. Class 6.

230,761. WRENCHES, PUNCHES, COLD CHISELS, SCREW DRIVERS, AND PRY BARS. DIAMOND TOOL CO., Seattle, Wash.
Filed November 28, 1924. Serial No. 205,913. PUBLISHED MAY 24, 1927. Class 23.

230,762. WATCHES AND PARTS THEREOF. MESSINGWERK SCHWARZWALD AKTIEN-GESELLSCHAFT, Villingen, Germany.
Filed March 20, 1926. Serial No. 211,366. PUBLISHED APRIL 26, 1927. Class 27.

230,763. BABY CHICKS. JOE T. MCCLARAN, doing business as Sunshine Hatcheries, Corydon, Ind.
Filed May 20, 1925. Serial No. 214,606. PUBLISHED JULY 6, 1926. Class 46.

230,764. POWER CONVEYERS, MERCHANDISE CONVEYERS OF THE STATIONARY OR GRAVITY TYPE, MACHINERY GUARDS, AND WRENCHES. LOGAN COMPANY, Louisville, Ky.
Filed June 15, 1925. Serial No. 215,803. PUBLISHED SEPTEMBER 28, 1926. Class 23.

230,765. CANNED FISH, SPECIFICALLY SARDINES. SEACOAST CANNING COMPANY, Eastport, Me.
Filed September 3, 1925. Serial No. 219,770. PUBLISHED MARCH 8, 1927. Class 46.

230,766. GINGER ALE. THE QUEEN CITY BOTTLING COMPANY, Cincinnati, Ohio.
Filed September 5, 1925. Serial No. 219,910. PUBLISHED APRIL 27, 1926. Class 45.

230,767. LUBRICATING GREASE. MASURY-YOUNG COMPANY, Charlestown, Mass.
Filed Oct. 15, 1925. Serial No. 221,753. PUBLISHED APRIL 26, 1927. Class 15.

230,768. AUTOMOBILES. H. H. FRANKLIN MANUFACTURING COMPANY, Syracuse, N. Y.
Filed October 20, 1925. Serial No. 222,023. PUBLISHED MAY 24, 1927. Class 19.

230,769. CANNED SARDINES, ANCHOVIES, AND TUNNY FISH. ANGELO PARODI FU BARTOLOMBO SOCIETA ANONIMA, Genoa, Italy.
Filed October 30, 1925. Serial No. 222,573. PUBLISHED MAY 24, 1927. Class 46.

230,770. PETROLEUM PRODUCTS—NAMELY, GASOLINE, NAPHTHA, KEROSENE, STOVE DISTILLATE, AND FUEL OIL. PANHANDLE REFINING COMPANY, Wichita Falls, Tex.
Filed November 11, 1925. Serial No. 223,137. PUBLISHED APRIL 26, 1927. Class 15.

230,771. PAINTS IN PASTE AND READY-MIXED FORM. UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I.
Filed February 16, 1926. Serial No. 227,376. PUBLISHED MAY 17, 1927. Class 16.

230,772. FRESH CANTALOUPES, TOMATOES, LETTUCE, HONEYDEW MELONS, AND PEAS IN THEIR NATURAL STATE. K. C. IWATA, doing business as K. C. Iwata Co., Brawley, Calif.
Filed February 23, 1926. Serial No. 227,650. PUBLISHED MAY 3, 1927. Class 46.

230,773. WATCHES. GOLDMAN JEWELRY & OPTICAL CO., St. Louis, Mo.
Filed March 14, 1927. Serial No. 245,709. PUBLISHED MAY 17, 1927. Class 27.

230,774. JAMS, JELLIES, AND CRUSHED FRUITS. HEWLETT BROS. COMPANY, Salt Lake City, Utah.
Filed March 14, 1927. Serial No. 245,715. PUBLISHED MAY 24, 1927. Class 46.

230,775. WATCHES. JENTLESON & KAPLAN, New York, N. Y.
Filed March 14, 1927. Serial No. 245,719. PUBLISHED MAY 3, 1927. Class 27.

230,776. GASOLINE. WHITE STAR REFINING CO. OF DELAWARE, Detroit, Mich.
Filed March 14, 1927. Serial No. 245,771. PUBLISHED MAY 3, 1927. Class 15.

230,777. UPRIGHT AND INVERTED GAS MANTLES. DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany.
Filed March 15, 1927. Serial No. 245,788. PUBLISHED MAY 24, 1927. Class 34.

230,778. STORAGE TANKS. CHATTANOOGA BOILER & TANK CO., Chattanooga, Tenn.
Filed March 16, 1927. Serial No. 245,830. PUBLISHED MAY 24, 1927. Class 2.

230,779. PHONOGRAPHS, MACHINES OF THE RECORD TYPE FOR REPRODUCING SOUND ELECTRICALLY, AND PARTS THEREOF; SUPPLIES THEREFOR—NAMELY, NEEDLES AND RECORD ALBUMS; AND SOUND RECORDS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed March 17, 1927. Serial No. 245,888. PUBLISHED MAY 10, 1927. Class 36.

230,780. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS FOR ILLUMINATING, HEATING, POWER, BURNING, LUBRICATING, GREASING, SOLVENT, SEALING, WAXING, WATERPROOFING, COATING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed March 17, 1927. Serial No. 245,934. PUBLISHED MAY 10, 1927. Class 15.

230,781. LUBRICATING OILS. PATRICK B. SULLIVAN, doing business as President Lubricating Oil Co., Devils Lake, N. Dak.
Filed March 17, 1927. Serial No. 245,935. PUBLISHED MAY 10, 1927. Class 15.

230,782. BRASS AND IRON BEDS. SUPERIOR STEEL BED CO. INC., Brooklyn, N. Y.
Filed March 17, 1927. Serial No. 245,936. PUBLISHED MAY 24, 1927. Class 32.

230,783. CUTTER HEADS FOR WOODWORKING MACHINERY—NAMELY, MOLDER HEADS, COPING HEADS, JOINTER HEADS, STICKER HEADS, MATCHER HEADS, AND GROOVING OR PLOWING SAW HEADS OR COLLARS; KNIVES, BITS, AND TOOLS THEREFOR, AND SHARPENING TOOLS FOR THE FOREGOING. WISCONSIN KNIFE WORKS, INC., Clinton, Wis.
Filed March 17, 1927. Serial No. 245,946. PUBLISHED MAY 24, 1927. Class 23.

230,784. ATOMIZERS FOR PERFUME AND THE LIKE. MARCEL FRANCK, INC., New York, N. Y.
Filed March 18, 1927. Serial No. 245,978. PUBLISHED MAY 17, 1927. Class 44.

230,785. CANDY. CHASE CANDY COMPANY, St. Joseph, Mo.
Filed March 19, 1927. Serial No. 246,015. PUBLISHED MAY 24, 1927. Class 46.

230,786. METAL BRACES FOR FURNITURE. THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 19, 1927. Serial No. 246,019. PUBLISHED MAY 24, 1927. Class 13.

230,787. PREPARATION FOR THE TREATMENT OF MALARIAL DISEASES. PASIS MEDICINE CO., St. Louis, Mo.
Filed March 19, 1927. Serial No. 246,047. PUBLISHED MAY 17, 1927. Class 6.

230,788. INNER TUBES FOR PNEUMATIC TIRES. THE COOPER CORP., Cincinnati, Ohio.
Filed March 21, 1927. Serial No. 246,081. PUBLISHED MAY 24, 1927. Class 35.

230,789. UPRIGHT AND INVERTED GAS MANTLES. DEUTSCHE GASGLUEHLICHT-AUER-GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG, Berlin, Germany.
Filed March 21, 1927. Serial No. 246,086. PUBLISHED MAY 24, 1927. Class 34.

230,790. COD-LIVER OIL AND MINERAL OIL FOR MEDICINAL USE. L. ETABN & CO., INC., Yonkers, N. Y.
Filed March 21, 1927. Serial No. 246,088. PUBLISHED MAY 17, 1927. Class 6.

230,791. COFFEE MIXTURE. GEORGE W. MCCLINTOCK, doing business as Eublen Pure Food Products Company, Cincinnati, Ohio.
Filed March 21, 1927. Serial No. 246,105. PUBLISHED MAY 24, 1927. Class 46.

230,792. PIANOS. MILTON PIANO COMPANY, New York, N. Y.
Filed March 21, 1927. Serial No. 246,107. PUBLISHED MAY 10, 1927. Class 36.

230,793. GASOLINE, KEROSENE, AND LUBRICATING OILS. PRIMROSE PETROLEUM COMPANY, Dallas, Tex.
Filed March 21, 1927. Serial No. 246,119. PUBLISHED MAY 3, 1927. Class 15.

230,794. MEDICINAL TABLET FOR THE TREATMENT OF COUGHS, COLDS, LA GRIPPE, FEVER, NEURITIS, RHEUMATISM, AND OTHER ACHES AND PAINS. LEROY W. DAVIES, doing business as Rex Chemical Co., St. Louis, Mo.
Filed March 2, 1927. Serial No. 245,085. PUBLISHED MAY 17, 1927. Class 6.

230,795. A PALLIATIVE FOR HEADACHE AND RHEUMATISM, BURNS, PIMPLES, ECZEMA, RINGWORM, AND ITCHING SORES. ALEXANDER WOJCIECHOWSKI, Norwich, Conn.
Filed March 3, 1927. Serial No. 245,177. PUBLISHED MAY 17, 1927. Class 6.

230,796. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed March 9, 1927. Serial No. 245,419. PUBLISHED MAY 24, 1927. Class 42.

230,797. LAP RUGS OF COMBINATIONS OF COTTON, WOOL, AND RUBBER. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed March 10, 1927. Serial No. 245,498. PUBLISHED MAY 24, 1927. Class 42.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

230,798. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Dec. 29, 1926. Serial No. 242,086.

CADILLAC

Particular description of goods.—Electric Flatirons.
Claims use since Nov. 19, 1925.

230,799. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Dec. 29, 1926. Serial No. 242,087.

STERLING SERVICE

Particular description of goods.—Electric Flatirons.
Claims use since 1919.

230,800. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Dec. 29, 1926. Serial No. 242,088.

Peerless

Particular description of goods.—Electric Flatirons.
Claims use since Apr. 9, 1923.

230,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON C. WILLS, doing business as Baldwin-Haggard Company, Philadelphia, Pa. Filed Dec. 31, 1926. Serial No. 242,262.

The First Thought in Pain

Particular description of goods.—A Medicinal Anodyne and Sedative Tablet.
Claims use since Oct. 30, 1925.

230,802. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE NAPIER CO., Meriden, Conn. Filed Jan. 6, 1927. Serial No. 242,483.

PALM BEACH

Particular description of goods.—Vanity Boxes Made of or Plated with Precious Metal.
Claims use since Dec. 21, 1926.

230,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. H. KRESS & CO., New York, N. Y. Filed Feb. 12, 1927. Serial No. 244,309.

Fairfield Chocolates

Particular description of goods.—Candies.
Claims use since about January, 1925.

230,804. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VINCENNES PHONOGRAPH COMPANY, Vincennes, Ind. Filed Mar. 17, 1927. Serial No. 245,939.

VALDCIA

Particular description of goods.—Phonographs and Talking Machines.
Claims use since May, 1926.

230,805. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE ORMOND MAHER, Baton Rouge, La. Filed Apr. 12, 1927. Serial No. 247,336.

Ground Radio

Particular description of goods.—Radio Apparatus Comprising Special Head Sets or Head Phones, and Coils and Generator Sets for Use in Locating Buried Metals.
Claims use since July 23, 1924.

230,806. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIANCHINI, FERIER, Lyon, France. Filed Apr. 19, 1927. Serial No. 247,669.

"FRASCATI"

Particular description of goods.—Piece Goods of Silk, Wool, Cotton, and Hairs.
Claims use since Dec. 6, 1918.

230,807. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE UNDERWOOD BATTERY COMPANY, Cleveland, Ohio. Filed Apr. 29, 1927. Serial No. 248,209.

UNDERWOOD

Particular description of goods.—Dry-Cell Radio A Batteries, Radio B Batteries, Radio C Batteries, and Flash-Light Cases and Flash-Light Batteries.
Claims use since February, 1923.

230,808. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS BURK, INC., Philadelphia, Pa. Filed May 13, 1927. Serial No. 248,963.

Breakfast Relish

Particular description of goods.—Minced Pork.
Claims use since Jan. 1, 1909.

230,809. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) FOSTER-ARMSTRONG COMPANY, East Rochester, N. Y. Filed May 16, 1927. Serial No. 249,052.

HOLMES & SON

Particular description of goods.—Pianos and Player Pianos.
Claims use since about 1912.

230,810. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) FOSTER-ARMSTRONG COMPANY, East Rochester, N. Y. Filed May 16, 1927. Serial No. 249,053.

FOSTER & CO.

Particular description of goods.—Pianos and Player Pianos.
Claims use since about 1892.

230,811. (CLASS 37. PAPER AND STATIONERY.) JACOB M. WOOLSON, Pittsburgh, Pa. Filed May 19, 1927. Serial No. 249,249.

JEWELL SERIES

Particular description of goods.—Pencils, Pen Holders, Pen Points, Fountain Pens.
Claims use since on or about Sept. 15, 1918.

230,812. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. SCHWARTZ MUSIC CO. INC., New York, N. Y. Filed May 21, 1927. Serial No. 249,378.

Sweetone

Particular description of goods.—Musical Instrument Accessories—Namely, Steel, Gut, and Silk Strings for Fretted and Bowed Instruments, Picks, Rosin for Bowed Instruments, Reeds for Clarinet, Saxophone, Oboe, and Bassoon, Saxophone Straps, Clarinet and Saxophone Pads, and Clarinet and Saxophone Mouthpieces.
Claims use since February, 1923.

230,813. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JACOB BIKOFF & COMPANY, INC., New York, N. Y. Filed May 25, 1927. Serial No. 249,496.

BEDFORD

Particular description of goods.—Watches, Watch Cases, Watch Movements, and Parts Thereof.
Claims use since July, 1922.

230,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DURST MILLING CO., Dayton, Ohio. Filed May 31, 1927. Serial No. 249,783.

Different! By Being Better—

Particular description of goods.—Wheat Flour.
Claims use since on or about May 1, 1926.

230,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS MEYER CO., Brooklyn, N. Y. Filed June 8, 1927. Serial No. 250,181.

Bestock

Particular description of goods.—Dried and Prepared Codfish, Pure Pork Sausage.
Claims use since Jan. 1, 1910.

230,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS MEYER CO., Brooklyn, N. Y. Filed June 8, 1927. Serial No. 250,184.

"Thynsweet"

Particular description of goods.—Sliced Bacon.
Claims use since Mar. 12, 1924.

230,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS MEYER CO., Brooklyn, N. Y. Filed June 8, 1927. Serial No. 250,185.

MEYER'S BEST

Particular description of goods.—Boiled Ham.
Claims use since Sept. 28, 1923.

230,818. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PHILA. SCOOP & SCALE MFG. CO., Philadelphia, Pa. Filed June 8, 1926. Serial No. 232,884.

Phila. Scoop & Scale Mfg. Co. Philadelphia, Pa.

Particular description of goods.—Butchers' Scales.
Claims use since September, 1912.

230,819. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed June 21, 1926. Serial No. 233,529.

VELVET TONE

Particular description of goods.—Phonograph Records Both Recording and Reproducing, Phonograph Apparatus for Recording and Reproducing Sounds—Namely, Sound-Recording Machines and Reproducing Phonographs, Automatic Musical Instruments of the Character Known as Multiple Playing Phonographs, Parts for Such Phonographs, Recording Machines, and Automatic Musical Instruments; Also the Following Accessories Therefor—Namely, Needles, Stop Mechanism, Mechanical Phonograph Motors, Recorders, Reproducers, Diaphragms, Needle Cups, Horns, and Tone Arms, Record Envelopes, and Albums.
Claims use since on or about May 1, 1926.

230,820. (CLASS 16. OILS AND GREASES.) SHAFFER OIL & REFINING COMPANY, Chicago, Ill. Filed July 12, 1926. Serial No. 234,451.

KANT-NOCK

Particular description of goods.—Gasoline and Motor Oils.
Claims use since May 18, 1926.

230,821. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEWART BATTERY CO., Chicago, Ill. Filed July 31, 1926. Serial No. 235,435.

Stewart UNIT-A-POWER

Particular description of goods.—Electric Power Current Supply Devices for Radio Receiving Sets and Charging Sets for Storage Batteries.
Claims use since June 1, 1926.

230,822. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RENU-A-FUSE COMPANY, Kansas City, Mo. Filed Aug. 21, 1926. Serial No. 236,291.

RENU-A-FUSE

Particular description of goods.—Fuse Plugs.
Claims use since about Apr. 17, 1926.

230,823. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BERT D. KELLER, San Francisco, Calif. Filed Mar. 5, 1925. Serial No. 210,564.

McLaughlin ONE-CONTROL SUPER

Particular description of goods.—Radio Receiving Sets and Parts—Namely, Antennæ, Batteries, Electron Tubes, Dials, Terminals, Grids, Condensers.
Claims use since about Dec. 1, 1924.

230,824. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 15, 1926. Serial No. 230,213.

LUSTREEN

Particular description of goods.—Woolen Dress Goods and Dress Fabrics of Silk and Wool and Cotton and Wool in the Piece.
Claims use since about Oct. 1, 1925.

230,825. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) VOLKWEIN BROS., Pittsburgh, Pa. Filed Apr. 18, 1925. Serial No. 212,983.

PITT

Particular description of goods.—Violins, Guitars, Mandolins, Banjos, Ukuleles, Zithers, Harps, Cellos, Mouth Harmonicas, Horns, Cornets, Saxophones, Trombones, Flutes, Trumpets, Clarinets, Bugles, Accordions, and Drums.
Claims use since Feb. 11, 1925.

230,826. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONTINENTAL RUBBER WORKS, Erie, Pa. Filed Mar. 31, 1926. Serial No. 229,434.

HANDLE-BAND

Particular description of goods.—Battery Containers.
Claims use since Mar. 16, 1926.

230,827. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HEMCO ELECTRIC MANUFACTURING COMPANY, INC., doing business as George Richards & Co., Long Island City, N. Y., and Chicago, Ill. Filed June 29, 1925. Serial No. 216,509.

TWIN-LITE

Particular description of goods.—Electric Apparatus—Namely, Connection Plugs and Lamp Sockets.
Claims use since August, 1919.

230,828. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ILLINOIS PURE ALUMINUM CO., Lemont, Ill. Filed Jan. 18, 1926. Serial No. 226,057.

WEAR-WEL

Particular description of goods.—Kitchen Cooking Utensils Made of Aluminum Ware.
Claims use since Nov. 10, 1925.

230,829. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed July 8, 1925. Serial No. 217,033.

June Geranium

Particular description of goods.—Toilet Soap.
Claims use since June, 1920.

230,830. (CLASS 15. OILS AND GREASES.) JAMES B. BERRY'S SONS COMPANY OF ILLINOIS, Chicago, Ill. Filed Mar. 24, 1926. Serial No. 229,084.

BluGAS

Particular description of goods.—Gasoline.
Claims use since June 1, 1925.

230,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN C. KULLMANN, Wichita, Kans. Filed Apr. 23, 1926. Serial No. 230,634.

Kullmann Health Food

Particular description of goods.—Wheat and Corn Flour.
Claims use since Mar. 26, 1926.

230,832. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ALFRED E. TOMLINSON, doing business as Tomlinson Steam Specialty Company, Cleveland, Ohio. Filed May 20, 1926. Serial No. 231,958.

TOMLINSON No-Drip-Faucets

Particular description of goods.—Faucets.
Claims use since on or about Jan. 1, 1926.

230,833. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SAMSTAG & HILDEBRANDT BROS., INC., New York, N. Y. Filed May 25, 1926. Serial No. 232,219.

VASSAR

Particular description of goods.—Sanitary Articles of Wearing Apparel—Namely, Belts, Step-Ins, and Bloomers.
Claims use since about January, 1923.

230,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILBERT C. VAN CAMP, San Pedro, Calif. Filed Aug. 25, 1926. Serial No. 236,485.

VAN CAMP'S

Particular description of goods.—Fresh, Smoked, and Salted Fish.
Claims use since Aug. 1, 1924.

230,835. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC MOTOR & REPAIR CO., Newark, N. J. Filed Aug. 27, 1926. Serial No. 236,545.

POWERPLATE

Particular description of goods.—Storage Batteries.
Claims use since June 15, 1926.

230,836. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILADELPHIA SHOVEL CO., Philadelphia, Pa. Filed Nov. 29, 1926. Serial No. 240,731.

WORTHY

Particular description of goods.—Scoops and Shovels.
Claims use since June 1, 1926.

230,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILLIAM BOARDMAN & SONS CO., Hartford, Conn. Filed Dec. 29, 1926. Serial No. 242,080.

LINNWOOD

Particular description of goods.—Cocoa.
Claims use since January, 1915.

230,838. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ORLEANS COFFEE COMPANY, LTD., New Orleans, La. Filed Dec. 15, 1925. Serial No. 224,717.

GLENWOOD

Particular description of goods.—Cane Syrup.
Claims use since Dec. 1, 1925.

230,839. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HORN SURGICAL COMPANY, Philadelphia, Pa. Filed Dec. 18, 1926. Serial No. 241,664.

Verilite

Particular description of goods.—Elastic Hosiery.
Claims use since Mar. 23, 1923.

230,840. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIUS G. COLLINS, doing business as Perfect Anti-Freeze Company, Kansas City, Kans. Filed June 11, 1927. Serial No. 250,398.

PERFECT ANTI-FREEZE
AMBER COLOR

Particular description of goods.—An Antifreeze Composition.
Claims use since Oct. 10, 1925.

230,841. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PICKENS MILLS, Pickens, S. C. Filed June 13, 1927. Serial No. 250,474.

PICKENS

Particular description of goods.—Cotton Sheetings and Drills.
Claims use since 1906.

230,842. (CLASS 5. ADHESIVES.) WALDO P. JOHNSON, Paris, Tex. Filed Aug 13, 1926. Serial No. 235,929.

JOHNSON'S

Particular description of goods.—Puncture-Proof Compound for Pneumatic Tires.
Claims use since Mar. 1, 1926.

TRADE-MARK REGISTRATIONS RENEWED

50,048. COFFEE. Registered February 27, 1906. LEVERING COFFEE CO. Renewed February 27, 1926, to The Levering Coffee Company, Baltimore, Md., a Corporation of Maryland, assignee.

60,060. PORTLAND CEMENT. Registered January 29, 1907. AUGUST BLUMENTHAL. Renewed January 29, 1927, to Heinrich Wernthal, doing business as August Blumenthal, Hamburg, Germany, successor.

60,390. A PREPARATION FOR THE CURE OF CHILLS AND FEVER. Registered February 5, 1907. HUTCHISON MEDICINE CO., Queen City, Tex. Renewed February 5, 1927, to Hutchison Medicine Co., Texarkana, Tex., a Firm, successor.

62,452. STAMPED METAL PARTS USED FOR ROOFING AND WALL-COVERING PURPOSES. Registered May 7, 1907. CORTRIGHT METAL ROOFING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 7, 1927.

62,468. STAMPED METAL PARTS USED FOR ROOFING AND WALL-COVERING PURPOSES. Registered May 7, 1907. CORTRIGHT METAL ROOFING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 7, 1927.

62,469. STAMPED METAL PARTS USED FOR ROOFING AND WALL-COVERING PURPOSES. Registered May 7, 1907. CORTRIGHT METAL ROOFING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 7, 1927.

62,531. STAMPED METAL PARTS USED FOR ROOFING AND WALL-COVERING PURPOSES. Registered May 14, 1907. CORTRIGHT METAL ROOFING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed May 14, 1927.

62,692. MINERAL WATER. Registered May 21, 1907. HEINRICH MATTONI AKTIENGESELLSCHAFT, Carlsbad, Austria-Hungary, and New York, N. Y. Renewed May 21, 1927, to Heinrich Mattoni Aktiengesellschaft, of Carlsbad, Czechoslovakia, and New York, N. Y., a Corporation of Austria-Hungary (now Czechoslovakia.)

62,830. CARBONATED WATER. Registered May 28, 1907. LYSANDER D. CHILDS, Chester, S. C. Renewed May 28, 1927.

63,202. CERTAIN MEASURING INSTRUMENTS. Registered June 11, 1907. SARCO FUEL SAVING & ENGINEERING CO. Renewed June 11, 1927, to Sarco Company, Inc., New York, N. Y., a Corporation of New York, successor.

63,493. RUBBER BOOTS AND SHOES. Registered June 25, 1907. GOODYEAR RUBBER COMPANY, New York, N. Y., a Corporation of New York. Renewed June 25, 1927.

63,709. WRITING PAPER AND ENVELOPES. Registered July 2, 1907. GEORGE B. HURD & CO. Renewed July 2, 1927, to Geo. B. Hurd & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

64,283. TEA. Registered July 30, 1907. A ETHRIDGE & Co., Rome, N. Y. Renewed July 30, 1927, to Austin, Nichols & Co. Inc., Brooklyn, N. Y., a Corporation of Virginia, successor.

64,330. TYPEWRITER RIBBONS AND CARBON PAPER. Registered August 6, 1907. AMERICAN RIBBON & CARBON CO., Rochester, N. Y., a Corporation of the Territory of Arizona (now the State of Arizona). Renewed August 6, 1927.

64,467. CERTAIN MALT PREPARATIONS. Registered August 6, 1907. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 6, 1927.

64,481. MEDICINAL MALT PREPARATIONS, PLAIN AND MEDICATED MALT EXTRACTS. Registered August 6, 1907. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 6, 1927.

64,533. GUNPOWDER. Registered August 13, 1907. SOCIÉTÉ ANONYME DES EXPLOSIFS DE CLERMONT MULLER & CIE., Liege, Belgium. Renewed August 13, 1927, to Poudreries Reunis de Belgique Societe Anonyme, Bruxelles, Belgium, a Corporation of Belgium, successor.

64,956. TYPEWRITER PAPER. Registered September 3, 1907. AMERICAN WRITING PAPER COMPANY. Renewed September 3, 1927, to American Writing Paper Company, Incorporated, Holyoke, Mass., a Corporation of Delaware, assignee.

65,094. METAL POLISH. Registered September 10, 1907. EDWARD B. GALLAHER, New York, N. Y. Renewed September 10, 1927, to The Clover Mfg. Co., Norwalk, Conn., a Corporation of New York, assignee.

65,360. CERTAIN SHEET METAL AND PIPING. Registered September 24, 1907. LA BELLE IRON WORKS, Steubenville, Ohio. Renewed September 24, 1927, to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware, assignee.

65,598. FURNITURE POLISH. Registered October 8, 1907. ORCHARD & WILHELM CARPET CO. Renewed October 8, 1927, to Orchard & Wilhelm Company, Omaha, Nebr., a Corporation of Nebraska, successor.

65,630. PERFUMES. Registered October 15, 1907. JOHN LIPSCOMB GROSSMITH. Renewed October 15, 1927, to J. Grossmith & Son, Limited, London, England, a Corporation of Great Britain, assignee.

65,727. FURNITURE POLISH. Registered October 22, 1907. ORCHARD & WILHELM CARPET CO. Renewed October 22, 1927, to Orchard & Wilhelm Company, Omaha, Nebr., a Corporation of Nebraska, successor.

65,783. WRITING AND PRINTING PAPER. Registered October 22, 1907. AMERICAN WRITING PAPER COMPANY. Renewed October 22, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,784. WRITING AND PRINTING PAPER. Registered October 22, 1907. AMERICAN WRITING PAPER COMPANY, Renewed October 22, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,830. COFFEE. Registered October 22, 1907. LEVERING COFFEE CO. Renewed October 22, 1927, to The Levering Coffee Company, Baltimore, Md., a Corporation of Maryland, assignee.

65,873. COVER PAPER. Registered October 29, 1907. AMERICAN WRITING PAPER COMPANY. Renewed October 29, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,874. COVER PAPER. Registered October 29, 1907. AMERICAN WRITING PAPER COMPANY. Renewed October 29, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,905. CANNED FRUITS AND VEGETABLES. Registered October 29, 1907. THE BURT OLNEY CANNING CO., Oneida and Albion, N. Y. Renewed October 29, 1927, to New York Canners, Inc., Rochester, N. Y., a Corporation of New York, assignee.

65,921. SUSPENDERS. Registered October 29, 1907. THE C. A. EDGARTON MANUFACTURING COMPANY. Renewed October 29, 1927, to President Suspender Company, Shirley, Mass., a Corporation of Massachusetts, assignee.

65,974. WRITING AND PRINTING PAPER. Registered November 5, 1907. AMERICAN WRITING PAPER COMPANY. Renewed November 5, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,975. WRITING AND PRINTING PAPER. Registered November 5, 1907. AMERICAN WRITING PAPER COMPANY. Renewed November 5, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

65,976. WRITING AND PRINTING PAPER. Registered November 5, 1907. AMERICAN WRITING PAPER COMPANY. Renewed November 5, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

66,044. CERTAIN METALS AND ALLOYS. Registered November 5, 1907. TH. GOLDSCHMIDT, Essen-on-the-Ruhr, Germany. Renewed November 5, 1927, to Goldschmidt Thermit Company, New York, N. Y., a Corporation of New York, assignee.

66,083. ARTIFICIAL LEATHER. Registered November 12, 1907. BOSTON ARTIFICIAL LEATHER COMPANY, New York, N. Y. Renewed November 12, 1927, to The Zapon Company, Wilmington, Del., a Corporation of New Jersey, successor.

66,109. CERTAIN PHARMACEUTICAL PREPARATIONS. Registered November 12, 1907. THE POMPEIAN MFG. CO. Renewed November 12, 1927, to The Pompeian Mfg. Co., Cleveland, Ohio, a Corporation of Ohio, assignee.

66,283. CANNED FRUITS AND VEGETABLES EXCEPT CANNED CORN. Registered November 19, 1907. THE BURT OLNEY CANNING CO., Oneida and Albion, N. Y. Renewed November 19, 1927, to New York Canners, Inc., Rochester, N. Y., a Corporation of New York, assignee.

66,435. WRITING AND PRINTING PAPER. Registered November 26, 1907. AMERICAN WRITING PAPER COMPANY. Renewed November 26, 1927, to American Writing Paper Company, Inc., Holyoke, Mass., a Corporation of Delaware, assignee.

66,442. SOAP. Registered November 26, 1907. LEVER BROTHERS COMPANY, Portland, Me., and Cambridge, Mass., a Corporation of Maine. Renewed November 26, 1927.

66,481. DRESS FABRICS COMPOSED OF WORSTED OR COTTON AND WORSTED AND COTTON. Registered December 3, 1907. STRAWBRIDGE & CLOTHIER. Renewed December 3, 1927, to Strawbridge & Clothier, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

66,525. HOSIERY. Registered December 10, 1907. PARAMOUNT KNITTING COMPANY. Renewed December 10, 1927, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,576. RUBBER ERASERS. Registered December 10, 1907. EBERHARD FABER, New York, N. Y. Renewed December 10, 1927, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a Corporation of New York, assignee.

66,621. CERTAIN RUBBER GOODS. Registered December 17, 1907. THE H. O. CANFIELD COMPANY, Bridgeport, Conn., a Corporation of Connecticut. Renewed December 17, 1927.

66,683. CERTAIN CANNED GOODS. Registered December 24, 1907. THE HOLBROOK GROCERY CO., Keene, Woodsville, and Nashua, N. H., and St. Johnsbury, Vt. Renewed December 24, 1927, to The Holbrook Grocery Co., Keene, N. H., a Corporation of New Hampshire, assignee.

66,684. CANNED SEA FOODS. Registered December 24, 1907. THE HOLBROOK GROCERY CO., Keene, Woodsville, and Nashua, N. H., and St. Johnsbury, Vt. Renewed December 24, 1927, to The Holbrook Grocery Co., Keene, N. H., a Corporation of New Hampshire, assignee.

66,710. CIGARS. Registered December 24, 1907. LOUIS KINDLING CO., Milwaukee, Wis., a Corporation of Wisconsin. Renewed December 24, 1927.

66,757. CERTAIN PAINTERS' MATERIALS. Registered December 24, 1907. ACME WHITE LEAD & COLOR WORKS, Detroit, Mich., a Corporation of Michigan. Renewed December 24 1927.

LABELS

REGISTERED AUGUST 2, 1927.

32,501.—*Title:* CARLTON CLUB. For Carbonated Table or Drinking Water. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Published May 1, 1926.

32,502.—*Title:* CAPITOL SILK WASHABLE. For Silk Piece Goods. CAPITOL SILK CORPORATION, New York, N. Y. Published February 1, 1923.

32,503.—*Title:* PROON SHINE. For Prunes and Prune Sirup. EDWARD DENCER, Salem, Oreg. Published May 21, 1927.

32,504.—*Title:* 'SPIKE KELLY.' For a Near Beer or Nonalcoholic Cereal Beverage. WILLIAM D. EISINBERG, Sioux City, Iowa. Published March 26, 1927.

32,505.—*Title:* MILK CHARLESTON CHEW! For Candy. FOX-CROSS CANDY COMPANY, Oakland, Calif. Published April 1, 1927.

32,506.—*Title:* GREAT AMERICAN. For Canned Evaporated Milk. THE GREAT AMERICAN STORES CO., Chicago, Ill. Published May 2, 1927.

32,507.—*Title:* OLD DUTCH COCOA. For Cocoa. GUITTARD CHOCOLATE CO., San Francisco, Calif. Published June 13, 1927.

32,508.—*Title:* Q-BOY. For Macaroni. JOLIET MACARONI COMPANY, Joliet, Ill. Published June 15, 1927.

32,509.—*Title:* S. M. A. For Food Product for Infants. THE LABORATORY PRODUCTS COMPANY, Cleveland, Ohio. Published June 10, 1927.

32,510.—*Title:* WORLD'S GUARANTEED BEST SURE INSECT EXTERMINATOR. DENVERADO ROACH BOUNCER. For Insect, Rat, and Mice Poison. CLIFFORD ELWYN MACDONALD, Tulsa, Okla. Published March 1, 1927.

32,511.—*Title:* CHIC-A-DEE NEED-EM. For Candy. MAINE CONFECTIONERY CO., Saco, Me. Published June 1, 1927.

32,512.—*Title:* HAIRAIDE HAIR AND SCALP SHAMPOO SOAP. For a Cleansing and Medicinal Soap for the Hair and Scalp. IRVING MCEWEN, Omaha, Nebr. Published April 30, 1927.

32,513.—*Title:* CARIGA'S EMERGENCY GASOLINE TANK. For Shipping and Storage Vessels or Containers. J. C. NEWSHAW, doing business as Aetna Sales Co., Baltimore, Md. Published January 1, 1925.

32,514.—*Title:* YORKSHIRE FARM. For Pimento Cheese. JOHN MORRELL & Co., Ottumwa, Iowa. Published May 10, 1927.

32,515.—*Title:* YORKSHIRE FARM. For Limburger Cheese. JOHN MORRELL & Co., Ottumwa, Iowa. Published May 10, 1927.

32,516.—*Title:* YORKSHIRE FARM. For Brick Cheese. JOHN MORRELL & Co., Ottumwa, Iowa. Published May 10, 1927.

32,517.—*Title:* YORKSHIRE FARM. For Sharp Cheese. JOHN MORRELL & Co., Ottumwa, Iowa. Published May 10, 1927.

32,518.—*Title:* PELI-CAN. For Garbage Cans or Receptacles. FREDERICK J. MULHERN, Troy, N. Y. Published September 22, 1926.

32,519.—*Title:* NATURE'S. For Toothpaste. NATURE'S TOOTHPASTE CORPORATION, Los Angeles, Calif. Published May 1, 1927.

32,520.—*Title:* ORANGE KING. For Fresh Oranges. ORANGE MUTUAL CITRUS ASSOCIATION, Orange, Calif. Published February 15, 1927.

32,521.—*Title:* FEARLESS. For Fresh Oranges. ORANGE MUTUAL CITRUS ASSOCIATION, Orange, Calif. Published February 15, 1927.

32,522.—*Title:* PALIO. For Ladies' Footwear. THE PALACE CLOTHING COMPANY, Kansas City, Mo. Published August 25, 1926.

32,523.—*Title:* PULLMAN LOAF. For Bread. PRESTON E. ROBERTS, INC., Fort Madison, Iowa. Published May 27, 1927.

32,524.—*Title:* SEPTOLINE. For a Chemical Liquid Which is Used in Healing as an Antiseptic, as a Prophylactic, and as a Deodorant. HENRY SMALL, doing business as Arnold Pharmacal Co., New York, N. Y. Published January 4, 1927.

32,525.—*Title:* NOKS. For a Chemical Liquid Which is Used for Taking Spots Out of Goods, Furniture, Leathers, and Other Materials. HENRY SMALL, doing business as Arnold Pharmacal Co., New York, N. Y. Published January 4, 1927.

32,526.—*Title:* SAVEX. For Granulated Soap. SUSANA CHEMICAL COMPANY, Los Angeles, Calif. Published May 11, 1927.

32,527.—*Title:* STONY BROOK. For Eggs. C. R. & W. J. SUTHERLAND, Albany, N. Y. Published January 1, 1927.

32,528.—*Title:* WOOD'S FUT FIX. For Wood's Fut Fix. ERNEST H. WOOD, New Bern, N. C. Published April 15, 1927.

32,529.—*Title:* GEMELLI. For Olive Oil. ADOLPH L. ZAMBONI, New York, N. Y. Published May 2, 1927.

PRINTS

REGISTERED AUGUST 2, 1927.

10,090.—*Title:* TUNE IN ON YOUR RADIO THURSDAY NIGHT CLIQUOT CLUB GINGER ALE ESKIMOS. For Ginger Ale. CLIQUOT CLUB COMPANY, Providence, R. I., and Millis, Mass. Published May 23, 1927.

10,091.—*Title:* PLEASO BREATH. For Pleaso Breath Tablets. JOHN C. CROWE, Los Angeles, Calif. Published June 15, 1927.

10,092.—*Title:* ALWAYS FOUND IN GOOD COMPANY. For Coffee. J. A. FOLGER & Co., San Francisco, Calif. Published February 1, 1927.

10,093.—*Title:* RED MAN HOCKING. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

10,094.—*Title:* BLACK ADMIRAL BLOCK. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

10,095.—*Title:* EFFICIENCY HOCKING. For Coal. WILLIAM S. HARMAN, Columbus, Ohio. Published February 7, 1927.

10,096.—*Title:* KOLYNOS. For Dentifrices. THE KOLYNOS CO., New Haven, Conn. Published May 15, 1927.

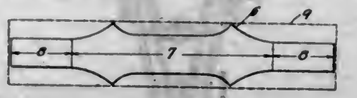
10,097.—*Title:* TIGERLOY BRAKE DRUMS. For Brake Drums. THE MASSILLON STEEL CASTING COMPANY, Massillon, Ohio. Published May 1, 1927.

10,098.—*Title:* THE CHAMPAGNE OF ORANGE DRINKS! For Orange Drink. THEODOR G. SOTTOS, New York, N. Y. Published July 12, 1926.

REISSUES

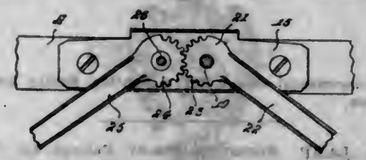
AUGUST 2, 1927.

16,691. PRODUCING CERTAIN SHEET-METAL ARTICLES. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed May 3, 1926. Serial No. 106,571. Original No. 1,492,980, dated May 6, 1924, Serial No. 517,056, filed Nov. 22, 1921. 14 Claims. (Cl. 29—153.)



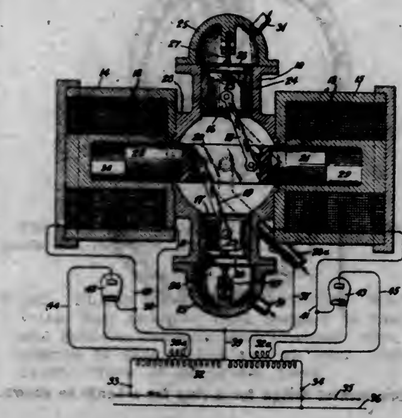
1. In the making of blanks for segments of axle housings or the like, such blanks having an intermediate portion, two end portions projecting therefrom and lateral projections at the ends of the intermediate portions, the method which consists in cutting out separately different parts of the blanks from staggered and overlapping positions in a sheet and welding said parts together edge to edge to make the complete blanks.

16,692. WINDOW OR WINDSHIELD CLEANER. JOSEPH S. PROWENSE, Kansas City, Mo., assignor, by direct and mesne assignments, to J. A. Carson, Seattle, Wash. Filed July 19, 1926. Serial No. 123,495. Original No. 1,533,944, dated Apr. 14, 1925, Serial No. 705,880, filed Apr. 11, 1924. 5 Claims. (Cl. 15—251.)



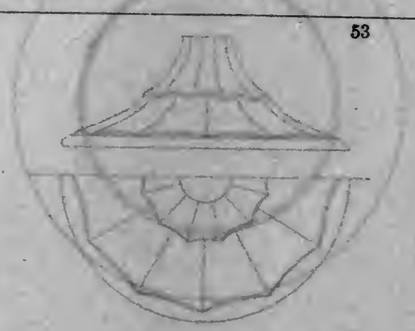
1. In a device of the character described, an attaching bracket adapted for engagement upon a window frame, a shaft journaled through the bracket and through the frame and equipped with a crank handle, a pair of toggle arms located at the opposite side of the glass, one of said arms being secured upon said shaft and having a segmental gear connection with the adjacent arm, a second pair of arms pivotally connected with the outer ends of said first named arms and arranged in converging relation with their adjacent ends geared together, and a squeegee strip carried by the ends of said last named arms.

16,693. RECIPROCATING COMPRESSOR. EDWARD T. WILLIAMS, Brooklyn, N. Y., assignor to Refrigeration Development, Inc., New York, N. Y., a Corporation of New York. Filed May 9, 1927. Serial No. 190,039. Original No. 1,556,059, dated Oct. 6, 1925, Serial No. 677,926, filed Dec. 1, 1923. 15 Claims. (Cl. 230—55.)



8. In a compressor, a piston movable in a given path of travel, an actuating member movable in a second path of travel perpendicular to said given path of travel and a rod connected to said piston and to said actuating member arranged on movement of said actuating member to pass through said given path of travel and a solenoid mechanism for moving said actuating member.

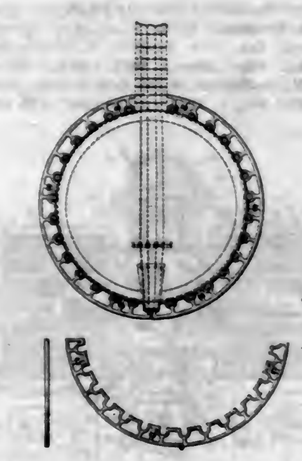




DESIGNS

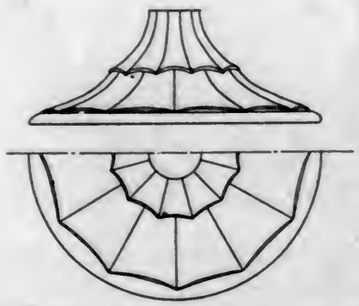
AUGUST 2, 1927.

73,154. RING FOR A BANJO. VICTOR E. ADLER, Los Angles, Calif. Filed July 15, 1926. Serial No. 18,364. Term of patent 3½ years.



The ornamental design for a ring for a banjo as shown.

73,155. LANTERN ROOF. RALPH S. BARDWELL, Los Angeles, Calif., assignor to Solar Lighting Fixture Co., Los Angeles, Calif., a Corporation of California. Filed June 1, 1927. Serial No. 22,273. Term of patent 3½ years.



The ornamental design for a lantern roof as shown.

73,156. LIGHTING-FIXTURE BRACKET. RALPH S. BARDWELL, Los Angeles, Calif., assignor to Solar Lighting Fixture Co., Los Angeles, Calif., a Corporation of California. Filed June 1, 1927. Serial No. 22,274. Term of patent 3½ years.



The ornamental design for a lighting fixture bracket as shown.

73,157. LAMP. ROBERT BEARDSLEY, Chicago, Ill. Filed Mar. 25, 1927. Serial No. 21,329. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

73,158. SHIELD FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co. Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1927. Serial No. 22,017. Term of patent 3½ years.



The ornamental design for a shield for lighting fixtures or similar articles, as shown.

73,159. SHIELD FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co. Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1927. Serial No. 22,018. Term of patent 3½ years.



The ornamental design for a shield for lighting fixtures or similar articles, as shown.

73,160. SHIELD FOR LIGHTING FIXTURES OR SIMILAR ARTICLES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Star Chandelier Co. Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1927. Serial No. 22,019. Term of patent 3½ years.



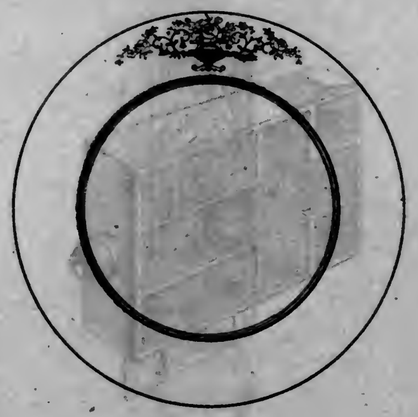
The ornamental design for a shield for lighting fixtures or similar articles, as shown.

73,161. EMBLEM FOR AUTOMOBILE HOODS AND RADIATORS. GLEB W. DERUJINSKY, New York, N. Y., assignor to Sterling Bronze Company, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1925. Serial No. 15,398. Term of patent 14 years.



The ornamental design for an emblem for automobile hoods and radiators, as shown.

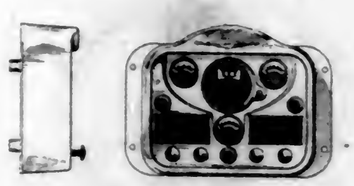
73,162. PLATE OR SIMILAR ARTICLE. WALTER DE VILLE, East Liverpool, Ohio, assignor to East Liverpool Potteries Company, East Liverpool, Ohio, a Corporation of Ohio. Filed Apr. 21, 1927. Serial No. 21,665. Term of patent 3½ years.



The ornamental design for a plate or similar article as shown.

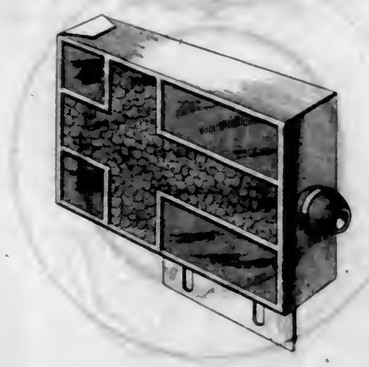
73,163. INSTRUMENT PANEL. THOMAS C. DINGMAN, South Bend, Ind., assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 19, 1927. Serial No. 20,811. Term of patent 7 years.





The ornamental design for an instrument panel as shown.

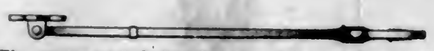
73,164. AUTOMOBILE LAMP. SALVATOR DI STEFANO, Troy, N. Y. Filed Mar. 11, 1927. Serial No. 21,095. Term of patent 7 years.



The ornamental design for an automobile lamp, substantially as shown.

73,165. CURTAIN CRANE. AUGUST DLOUHY, Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y., a Corporation of Delaware. Filed May 17, 1927. Serial No. 22,009. Term of patent 3½ years.





The ornamental design for a curtain crane as shown and described.

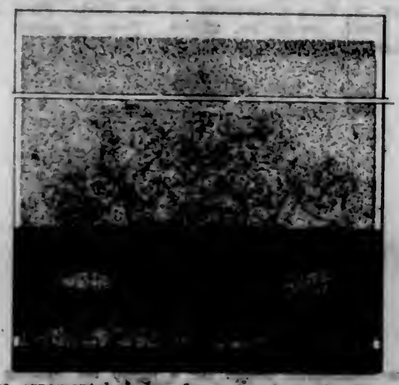
73,166. CURTAIN CRANE. AUGUST DLOUHY, Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y., a Corporation of Delaware. Filed May 17, 1927. Serial No. 22,010. Term of patent 3½ years.





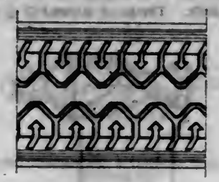
The ornamental design for a curtain crane as shown and described.

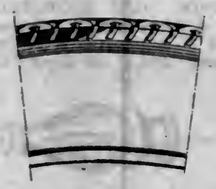
73,167. TOWEL OR THE LIKE. BURT V. FLANNERY, Philadelphia, Pa., assignor to Cannon Manufacturing Company, Kannapolis, N. C., a Corporation of North Carolina. Filed Nov. 3, 1926. Serial No. 19,578. Term of patent 14 years.



The ornamental design for a towel or the like, substantially as shown.

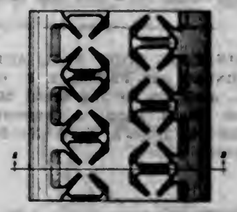
73,168. TIRE. FRED D. FOWLER, Watertown, Mass. Filed Apr. 30, 1927. Serial No. 21,807. Term of patent 3½ years.





The ornamental design for a tire, as shown.

73,169. TIRE TREAD. WADE S. GALVIN, Akron, Ohio. Filed May 8, 1926. Serial No. 17,615. Term of patent 14 years.





The ornamental design for a tire tread, as shown.

73,170. ESCUTCHEON PLATE FOR A VERNIER DIAL. JOHN GELOSO, New York, N. Y., assignor to Pilot Electric Manufacturing Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Mar. 21, 1927. Serial No. 21,236. Term of patent 3½ years.



The ornamental design for an escutcheon plate for a vernier dial, as shown.

73,171. LAMP SHADE. LOUIS GOLD, Chicago, Ill. Filed Apr. 11, 1927. Serial No. 21,546. Term of patent 3½ years.



The ornamental design for a lamp shade, as shown.

73,172. LAMP SHADE. LOUIS GOLD, Chicago, Ill. Filed Apr. 11, 1927. Serial No. 21,547. Term of patent 3½ years.



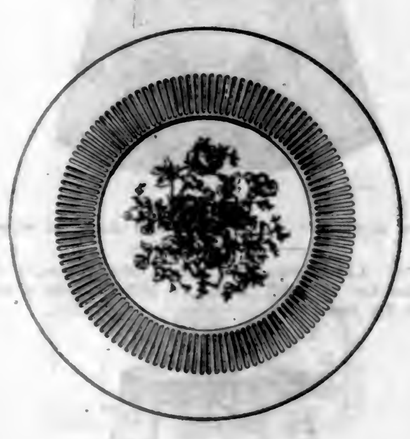
The ornamental design for a lamp shade, as shown.

73,173. PNEUMATIC-TIRE TREAD. PERCY GRAHAM, Chicago, Ill. Filed Apr. 30, 1927. Serial No. 21,805. Term of patent 7 years.



The ornamental design for a pneumatic tire tread as shown.

73,174. PLATE OR SIMILAR ARTICLE. ULRICH HAGMANN, New York, N. Y., assignor to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 20, 1927. Serial No. 21,651. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

73,175. HEATER. PAUL H. HAMILTON, Cleveland, Ohio, assignor to The Sands Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 25, 1927. Serial No. 21,346. Term of patent 14 years.



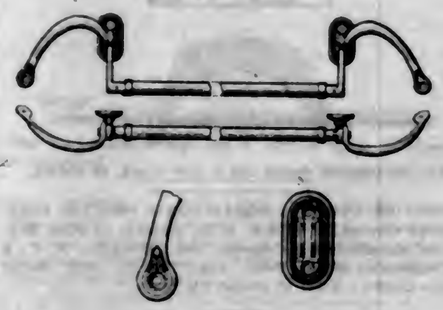
The ornamental design for a heater, as shown.

73,176. BIRD-CAGE STAND. CHARLES H. HENNINGS, Chicago, Ill., assignor to F. and H. Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed May 13, 1927. Serial No. 21,960. Term of patent 3½ years.



The ornamental design for a bird cage stand as shown.

73,177. COMBINATION ROBE RAIL AND HANDLE. GEORGE L. HINMAN and FREDERICK E. GREENE, New Haven, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed May 2, 1927. Serial No. 21,824. Term of patent 7 years.



The ornamental design for a combination robe rail and handle substantially as shown.

73,178. CURTAIN-POLE END. WILLIAM FREDERICH HOFMANN, Brooklyn, N. Y., assignor to H. L. Judd Co., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1927. Serial No. 21,390. Term of patent 3½ years.



The ornamental design for a curtain pole end, as shown

73,179. CURTAIN-POLE END. WILLIAM FREDERICH HOFMANN, Brooklyn, N. Y., assignor to H. L. Judd Co., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1927. Serial No. 21,391. Term of patent 3½ years.



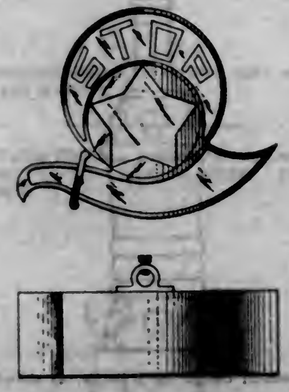
The ornamental design for a curtain pole end, as shown.

73,180. CURTAIN-POLE END. WILLIAM FREDERICH HOFMANN, Brooklyn, N. Y., assignor to H. L. Judd Co., New York, N. Y., a Corporation of Delaware. Filed Mar. 29, 1927. Serial No. 21,392. Term of patent 3½ years.



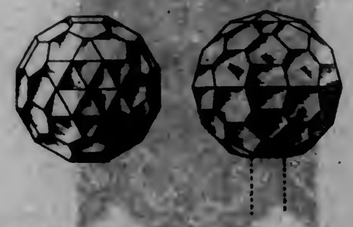
The ornamental design for a curtain pole end, as shown.

73,181. VEHICLE TAIL LAMP. ADOLPH W. JAEGER, Newark, N. J. Filed Apr. 15, 1927. Serial No. 21,614. Term of patent 14 years.



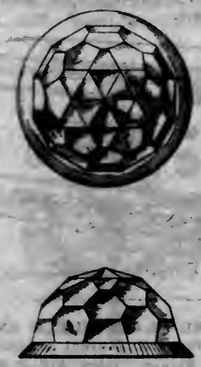
The ornamental design for a vehicle tail lamp, as shown.

73,182. KNOB OR SIMILAR ARTICLE. HENRY J. KAESCH, Dayton, Ohio. Filed Dec. 7, 1926. Serial No. 19,961. Term of patent 7 years.



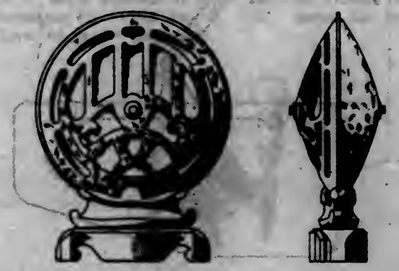
The ornamental design for a knob or similar article, substantially as shown.

73,183. KNOB OR THE LIKE. HENRY J. KAESCH, Dayton, Ohio. Filed Dec. 7, 1926. Serial No. 19,962. Term of patent 7 years.



The ornamental design for a knob or the like, substantially as shown.

73,184. RADIO LOUD SPEAKER. JACOB KERSTEN, Kalamazoo, Mich. Filed Mar. 28, 1927. Serial No. 21,379. Term of patent 3½ years.



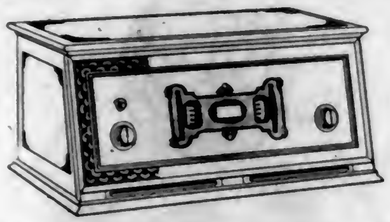
The ornamental design for a radio loud speaker, as shown.

73,185. SOAP DISPENSER. MARTIN W. LEVERNIER, Winnetka, Ill. Filed Oct. 2, 1926. Serial No. 19,231. Term of patent 7 years.



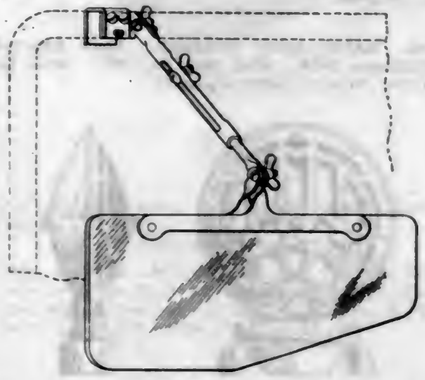
The ornamental design for a soap dispenser, as shown.

73,186. RADIOCABINET. WILLIAM TURNOR LEWIS, Racine, Wis., and MILTON MERWIN EELLS, Chicago, Ill., assignors to Western Coil & Electrical Co., Racine, Wis. Filed Sept. 20, 1926. Serial No. 19,117. Term of patent 14 years.



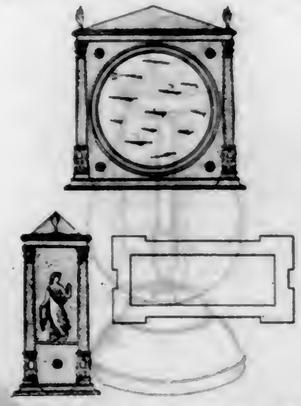
The ornamental design for a radiocabinet, as shown.

73,187. COMBINED GLARE SHIELD AND BRACKET THEREFOR. HARRY S. LIBBEY, Arlington, Mass., assignor to Edwin Stanley Libbey, Arlington, Mass. Filed Mar. 3, 1926. Serial No. 16,762. Term of patent 14 years.



The ornamental design for a combined glare shield and bracket therefor, substantially as shown.

73,188. CABINET FOR A RADIO LOUD SPEAKER. CHARLES A. LIPPI, Camden, N. J. Filed Mar. 25, 1927. Serial No. 21,321. Term of patent 3½ years.



The ornamental design for a cabinet for a radio loud speaker, substantially as shown.

73,189. FLAG STAND. NICHOLAS LOANESS, Los Angeles, Calif. Filed Apr. 16, 1927. Serial No. 21,626. Term of patent 3½ years.



The ornamental design for a flag stand, as shown.

73,190. BOTTLE. GEORGE MEZITIS, Washington, D. C. Filed May 26, 1927. Serial No. 22,172. Term of patent 14 years.



The ornamental design for a bottle, as shown.

73,191. LACE. ALBERT E. NEWTON, Providence, R. I. Filed June 15, 1927. Serial No. 22,439. Term of patent 3½ years.



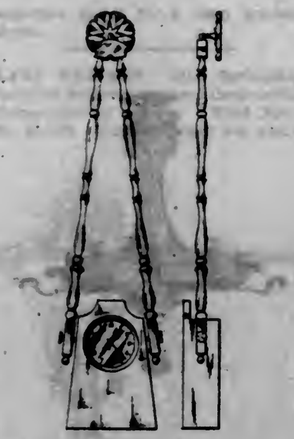
The ornamental design for lace substantially as shown.

73,192. FLASH LIGHT. CHARLES OSBAN, Woodcliff, N. J., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Dec. 26, 1923. Serial No. 8,147. Term of patent 14 years.



The ornamental design for a flash light substantially as shown and described.

73,193. WALL CLOCK. JOHN H. PAGE, Detroit, Mich. Filed Jan. 31, 1927. Serial No. 20,550. Term of patent 7 years.



The ornamental design for a wall clock, as shown.

73,194. CHANDELIER OR ARTICLE OF SIMILAR NATURE. THORVALD J. PETERSEN, New York, N. Y., assignor to Isidor Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Filed June 3, 1927. Serial No. 22,310. Term of patent 3½ years.



The ornamental design for a chandelier or article of similar nature substantially as shown.

73,195. LIGHTING-FIXTURE BRACKET OR ARTICLE OF SIMILAR NATURE. THORVALD J. PETERSEN, New York, N. Y., assignor to Isidor Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Filed June 3, 1927. Serial No. 22,311. Term of patent 3½ years.



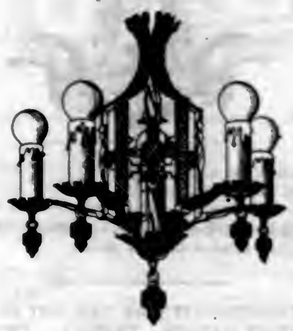
The ornamental design for a lighting fixture bracket or article of similar nature substantially as shown.

73,196. CHANDELIER OR ARTICLE OF SIMILAR NATURE. THORVALD J. PETERSEN, New York, N. Y., assignor to Isidor Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Filed June 3, 1927. Serial No. 22,312. Term of patent 3½ years.



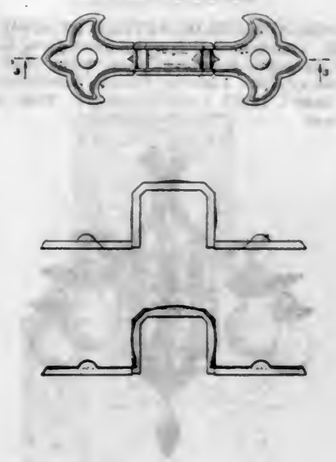
The ornamental design for a chandelier or article of similar nature substantially as shown.

73,197. CHANDELIER OR ARTICLE OF SIMILAR NATURE. THORVALD J. PETERSEN, New York, N. Y., assignor to Isidor Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Filed June 3, 1927. Serial No. 22,313. Term of patent 3½ years.



The ornamental design for a chandelier or article of similar nature substantially as shown.

73,198. PIPE SUPPORT. MAX RACHLIN, Brooklyn, N. Y. Filed Nov. 12, 1926. Serial No. 19,694. Term of patent 14 years.



The ornamental design for a pipe support, as shown.

73,199. LAMP-POST. GEORGE W. REYNOLDS, Los Angeles, Calif. Filed Apr. 13, 1927. Serial No. 21,570. Term of patent 14 years.



The ornamental design for a lamp post, as shown.

73,200. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed June 3, 1927. Serial No. 22,306. Term of patent 3½ years.



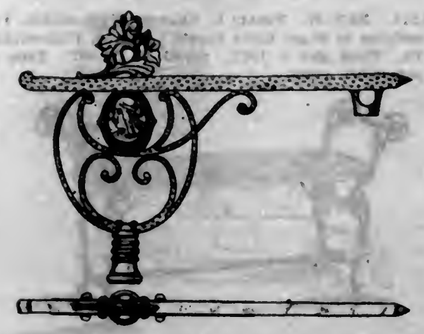
The ornamental design for a chandelier or article of similar nature substantially as shown.

73,201. ASH TRAY. ANNETTE ROSENSHINE, New York, N. Y. Filed May 27, 1927. Serial No. 22,205. Term of patent 3½ years.



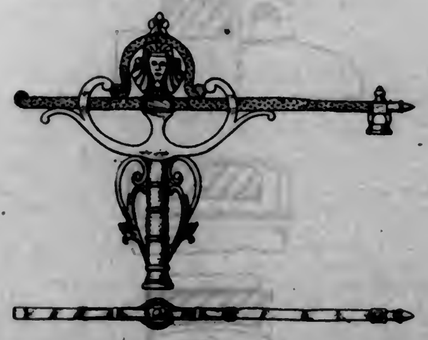
The ornamental design for an ash tray as shown.

73,202. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,719. Term of patent 3½ years.



The ornamental design for a lamp bracket, substantially as shown.

73,203. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,720. Term of patent 3½ years.



The ornamental design for a lamp bracket, substantially as shown.

73,204. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,721. Term of patent 3½ years.



The ornamental design for a lamp bracket, substantially as shown.

73,205. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,722. Term of patent 3½ years.



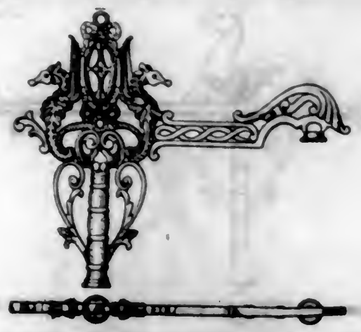
The ornamental design for a lamp bracket, substantially as shown.

73,206. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1927. Serial No. 21,753. Term of patent 3½ years.



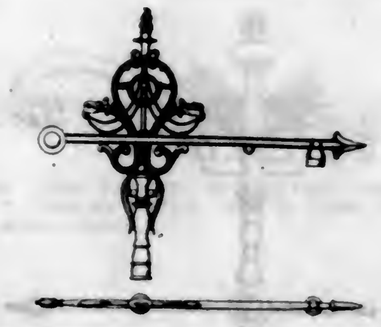
The ornamental design for a lamp bracket, substantially as shown.

73,207. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1927 Serial No. 21,754. Term of patent 3½ years.



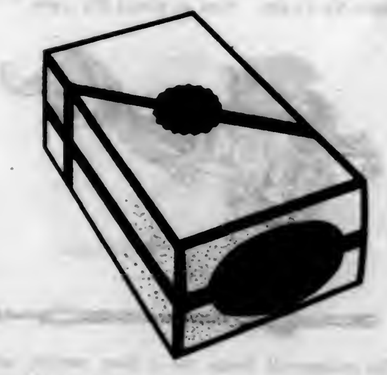
The ornamental design for a lamp bracket, substantially as shown.

73,208. LAMP BRACKET. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1927. Serial No. 21,755. Term of patent 3½ years.



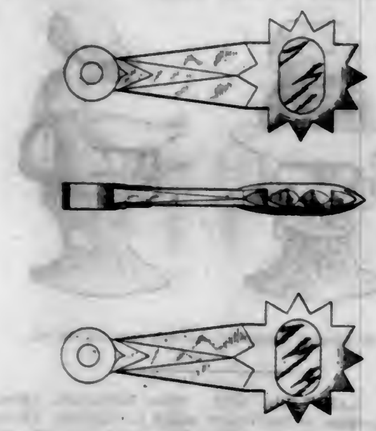
The ornamental design for a lamp bracket, substantially as shown.

73,209. PAPER CARTON. WARREN C. SCHILLING, Green Bay, Wis. Filed Apr. 6, 1927. Serial No. 21,486. Term of patent 14 years.



The ornamental design for a paper carton, as shown.

73,210. SIGNAL ARM. ANTONIO SESTO, San Jose, and JOHN LOIACONO, near San Jose, Calif. Filed Jan. 5, 1927. Serial No. 20,286. Term of patent 14 years.



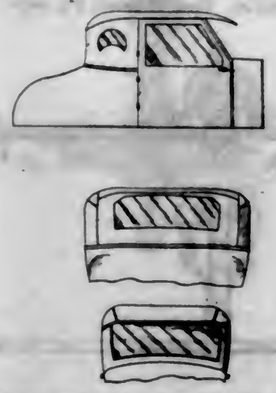
The ornamental design for a signal arm as shown.

73,211. BENCH. PHILIP C. SHAPIRO, Philadelphia, Pa., assignor to Siegel Light Supply Company, Philadelphia, Pa. Filed May 9, 1927. Serial No. 21,887. Term of patent 3½ years.



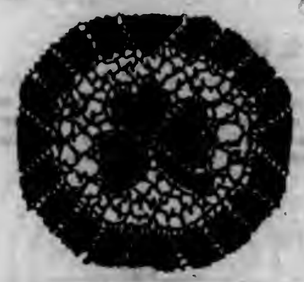
The ornamental design for a bench as shown.

73,212. AUTOMOBILE BODY. CHARLES SPURGES, De Kalb, Ill. Filed Sept. 7, 1926. Serial No. 18,997. Term of patent 14 years.



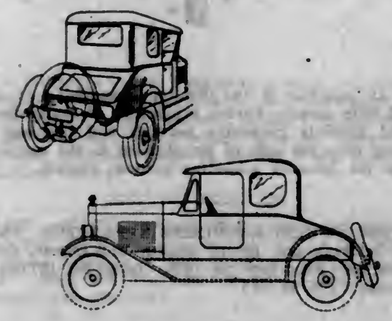
The ornamental design for an automobile body, as shown.

73,213. LACE CENTER MOTIF. FRED TRUMAN, Pawtucket, R. I., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 21, 1927. Serial No. 22,124. Term of patent 3½ years.



The ornamental design for a lace center motif, substantially as shown.

73,214. AUTOMOBILE ROADSTER BODY. MURRAY CUTHBERT TUNISON, Los Angeles, Calif. Filed June 9, 1924. Serial No. 9,831. Term of patent 3½ years.



The ornamental design for an automobile roadster body, as shown.

73,215. BOOK END. HOWARD H. WESSEL, New Britain, Conn., assignor to The Hart & Cooley Manufacturing Company, New Britain, Conn., a Corporation of Connecticut. Filed Feb. 4, 1927. Serial No. 20,615. Term of patent 14 years.



The ornamental design for a book-end as shown.

73,216. PENDANT. FREDERIC WHITAKER, Providence, R. I. Filed Mar. 22, 1927. Serial No. 21,249. Term of patent 3½ years.

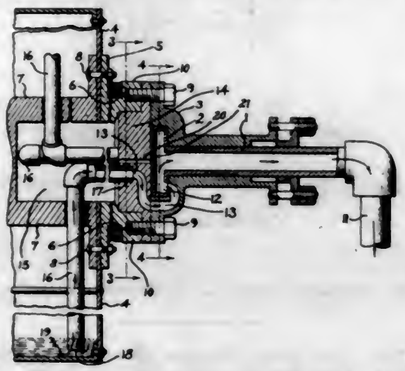


The ornamental design for a pendant substantially as shown.

PATENTS

GRANTED AUGUST 2, 1927.

1,637,327. DRAINAGE OF STEAM CHAMBERS. CHARLES H. ATKINS, Palmer, Mass. Filed May 2, 1927. Serial No. 188,378. 8 Claims. (Cl. 34—4.)



1. In a device of the character described, a shaft having a chamber adjacent one end thereof, a steam drum on and revolvable with the shaft, means for introducing steam into the drum, a diaphragm plate closing the end of the chamber in the shaft and having a plurality of openings therethrough, a pipe secured in each opening of the diaphragm plate and terminating in an open end adjacent the periphery of the drum, a tubular slide valve having an opening aligned with the openings in the diaphragm plate, a valve seat for the tubular valve and means for pressing the valve against the valve seat to prevent escape of steam from around the valve.

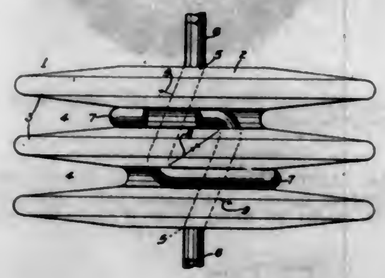
1,637,328. ELECTRODE FOR ELECTROLYTIC CONDENSERS. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 23, 1920. Serial No. 419,025. 5 Claims. (Cl. 175—317.)



1. An electrode comprising folded sheet metal having slits therein providing wings and body portions, and stiffening means formed integrally with said sheet.

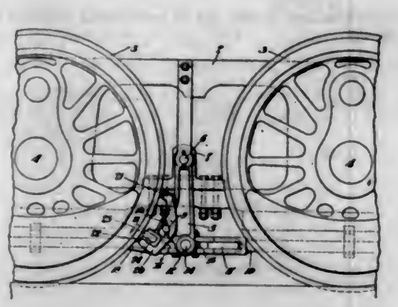
1,637,329. INSULATOR. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 15. 1922. Serial No. 543,908. 6 Claims. (Cl. 173—366.)

4. In an insulator, the combination with an insulating member comprising a plurality of laterally projecting portions and reduced portions between said projecting portions, of a terminal connector for each end of the insulator comprising a looped member disposed in openings in said insulating member and extending partially around one of said reduced portions.



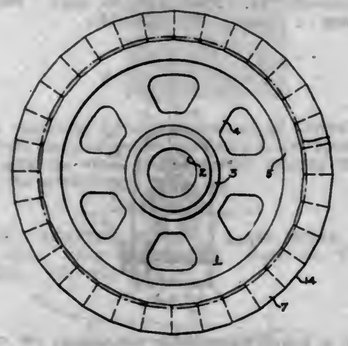
6. An insulator of the link type comprising an elongated body member having a plurality of longitudinally spaced laterally projecting portions and openings extending from the ends of the chamber to the spaces between the laterally projecting portions thereof.

1,637,330. WHEEL-MACHINING APPARATUS. FRANK M. A'HEARN and EDWIN FOSTER RICHARDSON, Greenville, Pa. Filed Sept. 22, 1926. Serial No. 137,003. 3 Claims. (Cl. 82—4.)



1. A cutting tool for re-turning the treads of wheels and tires on railway rolling stock having brake mechanism including brake heads having brake shoes mounted thereon, said tool comprising a body portion adapted to be substituted for said brake heads, said body portion having a projecting transversely slotted tool holding portion adjacent one end of its wheel engaging face, a cutter bit in the slot in said tool holding portion, and a heel portion adjacent the other end of said wheel engaging face of said body portion adapted to engage the wheel tread being turned to determine the position of the cutter bit relative to the wheel tread.

1,637,331. MOLDED GEAR. HARRY C. BIEBMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 25, 1923. Serial No. 659,271. 6 Claims. (Cl. 74—28.)



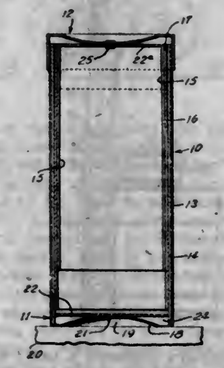
1. A composite article comprising a metal hub and a non-metallic rim integral therewith, said rim comprising a strip of fibrous sheet material helically wound about said hub and consolidated with a hardened binder, the strip being slit and twisted to provide a rim structure of uniform density.

1,637,332. QUICK DETACHABLE CAP. ADELBERT E. BRONSON, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1920. Serial No. 358,298. 12 Claims. (Cl. 152—12.)



1. A cap for valve stems and the like comprising a shell having a closed end and an open end and a member within the shell and capable of sliding movement therein and adapted to directly secure the shell to the stem.

1,637,333. CONTAINER. DAVID E. CARPENTER, New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Jan. 18, 1924. Serial No. 686,984. 8 Claims. (Cl. 206—15.)



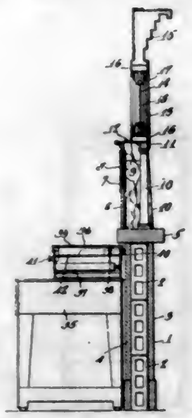
1. A container for fragile tubular articles having a bottom and a member having a pliant edge portion to be engaged by the end of a tubular article received in the container, said member being resilient and being supported on said bottom at a point inwardly removed from said pliant edge portion which yields upon engagement of a tubular article therewith.

1,637,334. CLICK CHECK FOR REELS. PLINY CATUCCI, Newark, N. J. Original application filed Mar. 21, 1925, Serial No. 17,420. Divided and this application filed Jan. 28, 1927. Serial No. 164,197. 6 Claims. (Cl. 242—84.6.)



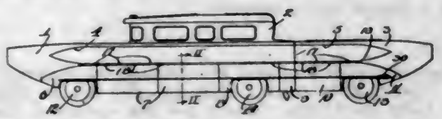
1. A click mechanism for fishing reels, comprising in combination with the back plate of a reel frame, a triangular click pawl pivotally mounted on said plate, a pair of mating springs each bearing upon one and the same edge of said pawl, and means for adjustably securing said springs on said plate whereby their pressure upon said pawl may be separately regulated.

1,637,335. SCREEN INCLOSURE. WILLIAM GEORGE CHRYST, Philadelphia, Pa. Filed Feb. 3, 1926. Serial No. 85,645. 5 Claims. (Cl. 72—16.)



1. A screen inclosure including a base; a shelf on the base; an upright wall on the shelf; columns on the shelf spaced from the wall; an inverted channel having air ports and resting on the wall and the columns, and a superstructure secured to the channel.

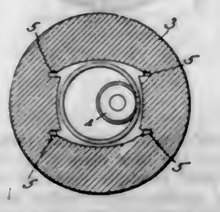
1,637,336. SECTIONAL PONTOON. ALBERT HUGHES COOK, Evanston, Ill., assignor to Charles B. Cook, Chicago, Ill. Filed Aug. 17, 1925. Serial No. 50,735. 16 Claims. (Cl. 115—1.)



1. The combination with an auto marine vehicle, of a pontoon unit hingedly supported thereon and comprising a plurality of interfitting, independently, air tight pontoon sections, and extensible bolt connecting means for rigidly securing said pontoon sections together to form the pontoon unit.

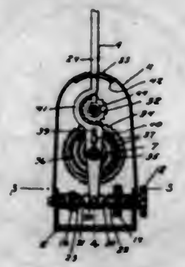
16. The combination with a plurality of interfitting pontoon sections, of extensible bolts adapted to connect a plurality of said sections together to form a unit.

1,637,337. METHOD OF MAKING WATCHCASES. HARRY COOK, Sag Harbor, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed Nov. 9, 1925. Serial No. 67,880. 4 Claims. (Cl. 29—179.)



1. The method of making watch-case centers, which method consists in forming a substantially torus-shaped watch-case center blank, in arranging said blank within a die provided with a lug-forming recess, and finally in flowing the metal from the inturned flanges of said torus-shaped blank into the peripheral body thereof by a combined axial and radial expansion and in continuing the axial and radial expansion of the blank to flow the metal of said blank into said lug-forming recess.

1,637,338. POWER HOIST. ROBERT A. FONTAINE, Martinsville, Va. Filed Apr. 30, 1924. Serial No. 710,066. 7 Claims. (Cl. 192—139.)



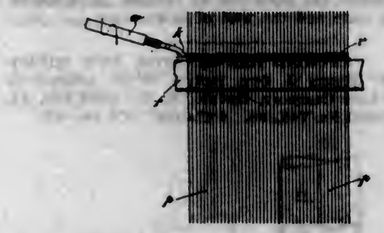
1. In a power transmission mechanism, the combination of a driven shaft, a drive shaft, gear connections between the shafts, a clutch mechanism for making or breaking the connection between the drive and driven shafts, a lever for controlling the clutch mechanism pivotally mounted with respect to the shafts, a member carried by the lever and movable thereon, a cam having a spiral groove in its face, the cam being carried by the driven shaft, and a stop element adjustably mounted on the cam and cooperating with the member carried by the lever.

1,637,339. MEANS FOR INSTRUCTING GOLF STROKES. MICHAEL J. GLENNON, Summit, and HARRY G. HIGHAM, Murray Hill, N. J. Filed Apr. 9, 1927. Serial No. 182,273. 3 Claims. (Cl. 273—35.)



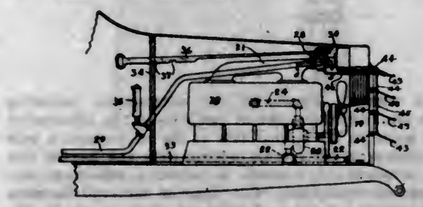
1. A device for the instruction of golf strokes, comprising a base member, and a pair of laterally spaced longitudinally extending upstanding guide shoulders on said base adapted to define a guideway for the free passage of the head of a properly swung golf-club, and within which the ball to be addressed may be placed, said guide shoulders and the guideway defined thereby being inclined outwardly relative to the side of the base-member opposite which the user takes position.

1,637,340. ELIMINATION OF FIBROUS WASTE FROM MACHINES. EMIL GMINDER, Reutlingen, Germany. Filed Sept. 16, 1926, Serial No. 135,735, and in Germany Oct. 31, 1925. 4 Claims. (Cl. 28—1.)



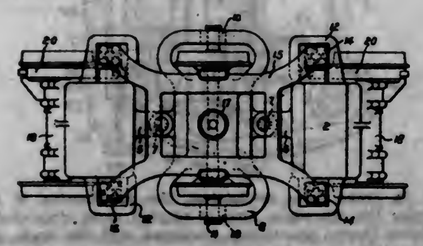
1. An apparatus for the elimination of fibrous flying waste from machinery, which includes a tool adapted to engage with the waste, and means for rotating the tool to form the waste into a roving.

1,637,341. HEATING SYSTEM. JAMES HOLAN, Cleveland, Ohio. Filed Dec. 22, 1924. Serial No. 757,390. 1 Claim. (Cl. 237—12.3.)



In a motor vehicle having a water-cooled motor, a radiator, a circulating pump and system of connections whereby the water is circulated through the motor and radiator, the combination of a radiator in the body of the vehicle, a pipe for supplying hot water to the last-mentioned radiator connected to said circulating system at a point between the motor and the first-mentioned radiator, a valve at said point for directing the hot water from the motor either to the first-mentioned radiator or to said pipe, a return pipe from the second-mentioned radiator to the connection between the first-mentioned radiator and said pump, means for shutting off the flow of cooling air through the first-mentioned radiator, and operating means for said valve and the last-mentioned means extending into said body to a point accessible from the operator's station therein and whereby the flow of air through the radiator may be interrupted when said valve is positioned to direct the water into said pipe.

1,637,342. TRUCK STRUCTURE. HAROLD A. HOUSTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 10, 1925. Serial No. 61,715. 11 Claims. (Cl. 105—166.)



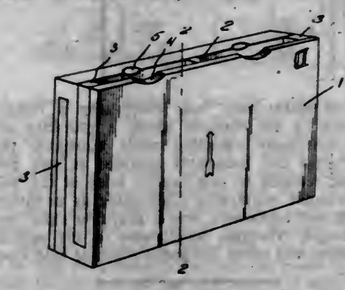
1. The combination, in a railway vehicle truck, of a plurality of wheel axles, motors journalled on some of said axles, and a frame portion for journalling the other of said axles, said frame portion being supported by said motors.

1,637,343. AUTOMOBILE LOCK. HENRY G. HUGHES, Mendon, Utah. Filed Aug. 11, 1926. Serial No. 128,682. 2 Claims. (Cl. 200—45.)



1. In a lock for automobiles the combination of a casing having holes bored therein with slots at right angles to each other in the peripheries of the holes; a plate secured in front of said casing, with holes and slots therein similar to the holes in said casing and in alignment therewith; an insulated cover over the rear of said casing having a central hole bored therethrough in alignment with the central holes in the casing and plate and with slots at right angles to each other in the periphery of said hole; dials operable in the holes in said plate with the rear side of each of greater diameter than the front side and having slots cut in the enlarged rear side of said dials through which guide members are slidable when all of the slots are in alignment; turning knobs on each of said dials with holes bored centrally therethrough; a switch post operated through the holes in said knobs; a switch attached thereto; contact members secured through said insulated cover adapted to be brought into contact with said switches by turning said posts; a locking sleeve operable through the central hole in said casing, plate and cover; and guide members carried in said sleeve, operable in the slots in the periphery of the holes in the casing, plate and cover, adapted to hold the locking sleeve rigid in the lock.

1,637,344. CARD HOLDER. GORDON H. KENNEY, Sacramento, Calif. Filed Sept. 23, 1926. Serial No. 137,282. 1 Claim. (Cl. 273—151.)

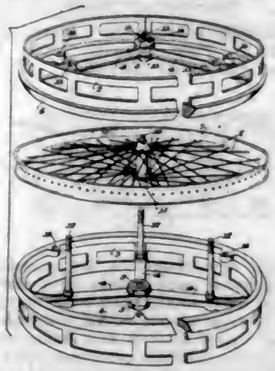


A card holder comprising a single block having recesses cut therein from opposite longitudinal edges, a central partition strip fitted into each recess, and end strips fitted into the end portions of the recesses, dividing them into individual card compartments each compartment being provided with finger notches to facilitate removal of the cards.

1,637,345. THE MANUFACTURE AND TRUING OF BUILT-UP WHEELS. GEORGE MCKENZIE, Finchley, London, England. Filed June 16, 1926, Serial No. 116,465, and in Great Britain June 17, 1925. 2 Claims. (Cl. 29—87.)

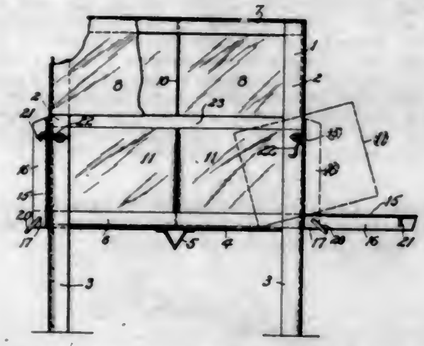
1. In a jig for the manufacture and truing of built-up wheels, the combination of a pair of circular clamps between which the wheel rim may be gripped, a bevelled an-

nular portion on the clamps adapted to engage the inner periphery of the wheel rim, and a support for the wheel spindle carried by each clamp adapted to locate the wheel



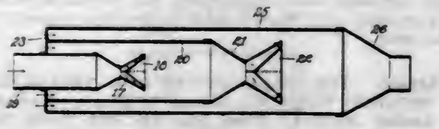
spindle centrally of the wheel and to allow it to float freely in the axial direction during the tightening of the spokes, substantially as set forth.

1,637,346. MULTIPLE HENS' NEST. JOHN W. MYERS, Quincy, Ill. Filed July 2, 1923. Serial No. 648,946. 3 Claims. (Cl. 119—45.)



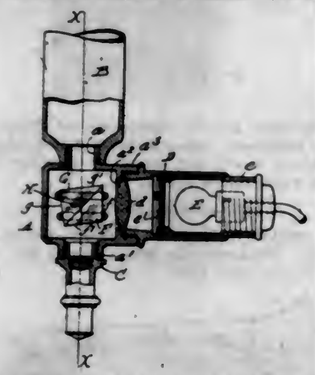
1. An all metal hens' nest comprising a rectangular casing open at its opposite sides, a plurality of rectangular containers affording nests insertable through the open sides and removably mounted in two rows in end to end relation in said casing, some of the walls of said rectangular containers functioning as partitions between adjacent containers, and a partition rigid throughout its height extending length-wise of the casing centrally thereof and above the upper edges of said nests.

1,637,347. MUFFLER FOR INTERNAL-COMBUSTION ENGINES. FREDERICK A. NELSON, Worcester, Mass. Filed Apr. 7, 1922. Serial No. 550,271. 6 Claims. (Cl. 137—160.)



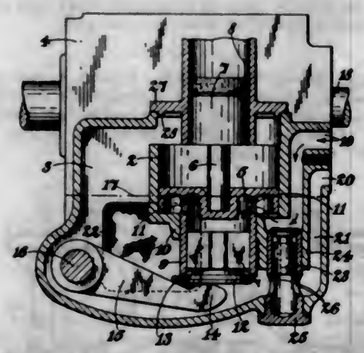
1. A muffler for internal combustion engines, comprising a tube having a constriction therein with converging and diverging sections leading to and from said constriction, one of said sections serving as an inlet and the other as an outlet for exhaust gases, and a mute positioned in said outlet and tapered in the same direction as said outlet, said mute being spaced from the wall of said outlet and having parts cooperating with said outlet to deflect the gases flowing through the space between said mute and the wall of said outlet.

1,637,348. VERTICAL ILLUMINATOR FOR MICROSCOPES. HARRY G. OTT, Buffalo, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y. Filed Oct. 18, 1924. Serial No. 743,308. 9 Claims. (Cl. 88—40.)



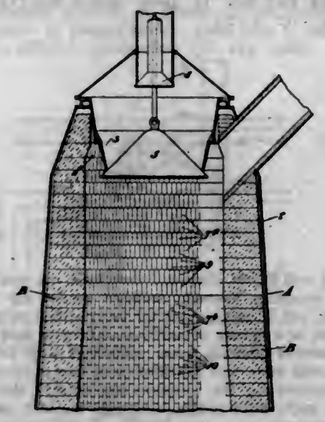
1. A vertical illuminator for microscopes, including means for admitting light at one side of the illuminator at an angle to the optical axis of the microscope, a pair of prisms arranged in said optical axis and having two faces arranged in contact, a partially reflecting continuous, microscopically thin film of material between said contacting faces and arranged at an angle to the optical axis to reflect light admitted at one side of the illuminator to the object, and through which light rays from the object may pass to the eye of the observer, the outer faces of the prisms being formed to cause light passing through said prisms and reflected from outer faces of said prisms to pass in directions other than perpendicular to said outer faces.

1,637,349. RELAY MECHANISM FOR VEHICLE BRAKES. FRANK GORDON PARNALL, Coventry, England, assignor of one-half to Triumph Cycle Company Limited, Coventry, England, a British Company. Filed Oct. 21, 1926, Serial No. 143,214, and in Great Britain Apr. 12, 1926. 6 Claims. (Cl. 188—152.)



2. In brake relay mechanism, the combination of a cylinder through which fluid is adapted to be circulated, a piston therein operatively connected with the brake, a tubular extension of said piston projecting beyond said cylinder end, an inlet port for said fluid in the wall of said cylinder, a passage connecting the interior of said cylinder with the interior of said tubular extension, an exit port for said fluid in said extension, a valve adapted to regulate said exit port, and means forming part of a brake applying device for controlling the opening of said valve, substantially as set forth.

1,637,350. BLAST FURNACE. WILLIAM C. PARSONS, Swissvale, Pa. Filed Sept. 15, 1926. Serial No. 135,576. 3 Claims. (Cl. 266—25.)



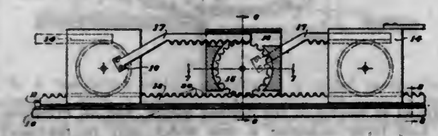
1. The combination with a metallurgical surface, of a refractory lining composed of blocks, said blocks being arranged so that a major portion of their joint seams extend substantially parallel to the vertical axis of the furnace whereby the abrasion from stock entering and descending in the furnace is materially decreased, and the strength of the blocks is preserved.

1,637,351. CIRCUIT-INTERRUPTING DEVICE. KARL C. RANDALL, Edgewood Park, and HERMAN K. ANSINGH, Murrysville, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 30, 1921. Serial No. 456,881. 1 Claim. (Cl. 200—48.)



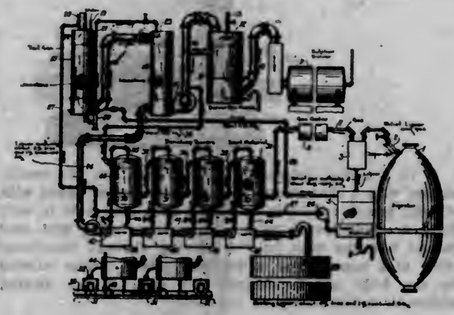
In an electrical protective and circuit-interrupting device, the combination with an elongated stationary contact member of substantially inverted channel-shape, of a relatively movable co-operating structure therefor comprising a rotatable supporting shaft exteading at substantially right angles to the said channel and a yieldable contact member formed and related to the stationary contact member to be readily guided into and out of engagement with the under side of the said channel member and to compensate for variations in the distance between the latter and the center line of the shaft.

1,637,352. MECHANICAL MEANS FOR TRANSMITTING POWER. RUSSELL J. REANEY, Ottawa, Ontario, Canada, assignor to Reaney Limited, Ottawa, Canada. Filed Sept. 29, 1925. Serial No. 59,303. 8 Claims. (Cl. 74—14.)



1. A mechanical means for transmitting power comprising a train of meshing gear and rack elements, said gears being encased in individual carriages to each of which, excepting the first in the train, is applied a rack adapted to mesh with the gear immediately preceding.

1,637,353. METHOD OF MAKING SULPHITE COOKING LIQUOR. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Sept. 28, 1921. Serial No. 503,846. 4 Claims. (Cl. 23—130.)

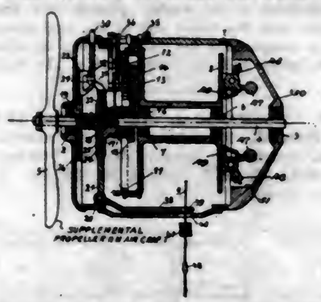


1. A process of making a sulphite cooking liquor of high free SO_2 content, which comprises forming a raw acid liquid of relatively low free SO_2 content, passing gas rich in SO_2 upwardly through a series of masses of confined inert interstitial material, maintaining a supply pool of said liquor associated with each of said confined masses, simultaneously circulating said liquor from said pools downwardly through said confined masses of inert material associated therewith, and causing the liquor to flow progressively through the pools in opposite direction to the flow of the gas and at a rate ensuring the recirculation of the liquor from each pool through the corresponding tower, whereby such liquor is progressively increased in free SO_2 content.

1,637,354. ANTENNA REEL. KARL ROTTGARDT, Dahlen, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921, Serial No. 495,599, and in Germany Jan. 16, 1918. 10 Claims. (Cl. 242—99.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

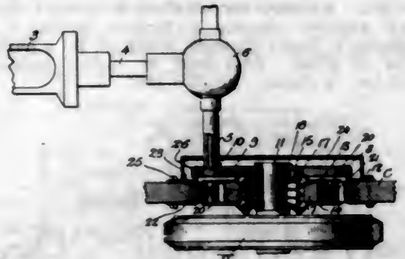
1. A reel for retractile antennæ comprising a revoluble drum, an antenna wire adapted to be wound on said drum, driving means therefor, a clutch coupling said driving means to said drum, a lever for operating said clutch, said lever having a hole therein through which passes the

antenna wire, a stop on said wire adapted to engage said lever and operate it to release said clutch when the



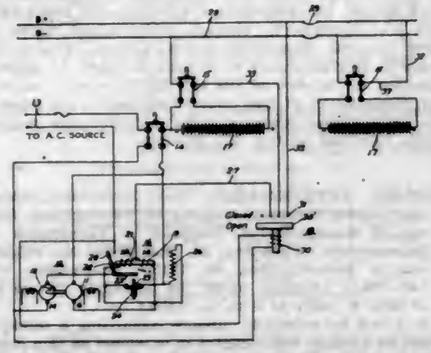
antenna is wound to the desired length, and an extension on said lever engaging a cam which may be manually operated to engage and disengage said clutch.

1,637,355. VEHICLE CONSTRUCTION AND SUSPENSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 22, 1920, Serial No. 390,827. Renewed Feb. 2, 1926. 6 Claims. (Cl. 180—71.)



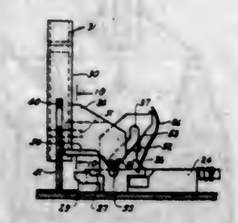
1. In a power driven vehicle construction, the combination with a chassisless body of stub axles equipped with wheels, means revolubly mounting each stub axle in said body, a resilient sustaining element cooperating with said means and the stub axle, a driving element associated with said means, and a common power means carried by the body and connected with each of the driving elements, substantially as set forth.

1,637,356. PROTECTIVE SYSTEM FOR MOTORS. WALTER H. SMITH, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 1, 1925. Serial No. 34,066. 9 Claims. (Cl. 171—118.)



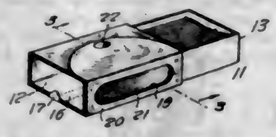
1. The combination with a motor-generator set, of a main source of power, an auxiliary source of power, means for connecting the generator across the auxiliary source of power to operate the generator as a motor, and means sensitive to the flow of current in the generator disposed to connect the motor across the main source of power when it rotates at a predetermined speed.

1,637,357. PAPER-FASTENING DEVICE. SVEN SVENSON, Fond du Lac, Wis., assignor of one-half to Michael K. Reilly, Fond du Lac, Wis. Original application filed Feb. 4, 1924, Serial No. 690,397, now Patent No. 1,610,362, dated Dec. 14, 1926. Divided and this application filed Nov. 12, 1926. Serial No. 147,937. 8 Claims. (Cl. 1—2.1.)



1. In a tool of the character described, the combination with a manually operable member guided for vertical movement and a slide guided for longitudinal reciprocable movement, of a spring normally maintaining said member in an elevated position, arms connected with said member and said slide and provided with cam means formed for interaction for the reciprocation of said slide in accordance with the movements of said member, said slide being retracted upon the downward movement of said member, a forming die guided for vertical movement and provided with a resiliently yieldable support from said member, said die including laterally spaced legs having extremities which, in the normally elevated position of said member, are spaced above a portion of said slide and are adapted to receive such portion between them prior to its retraction and means for feeding wire transversely of said slide and positioning said wire in the advanced position of said slide beneath said legs to be acted on thereby.

1,637,358. SAFETY-MATCH-BOX HOLDER. JOHN Q. TAYLOR, Media, Pa. Filed Nov. 2, 1926. Serial No. 145,815. 3 Claims. (Cl. 206—31.)



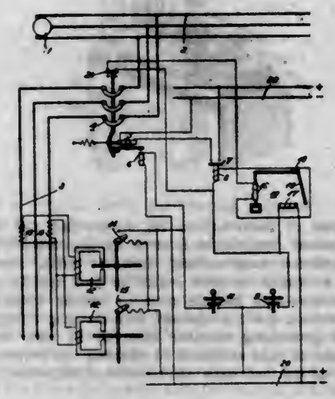
1. A holder for safety-match boxes, comprising an open-ended casing in which the match box fits more or less snugly, members slidably mounted in one wall of the casing and terminally formed to overlie the edge of the match-box cover and project into the path of movement of the match container when such match box is in the casing, and spring means to exert return pressure on either member when operated.

1,637,359. SHUTTLE-TENSION DEVICE. ALEXANDER TEMPLETON, Paterson, N. J. Filed Jan. 24, 1927. Serial No. 162,944. 7 Claims. (Cl. 139—214.)



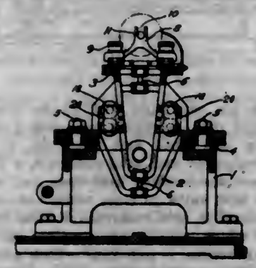
1. A loom shuttle including, with a shuttle body and means to support therein an endwise-delivering weft-thread package with its longitudinal axis lengthwise of the shuttle, spaced thread-guides to be bridged by the thread arranged in endwise spaced relation to said package and in a line transverse of said axis, and a movable thread-guide engaged by the part of the thread bridging the spaced thread-guides and spring-urged from the latter lengthwise of said axis and movable toward them under the pull of the thread.

1,637,360. CIRCUIT-INTERRUPTING SYSTEM. HENRY A. TRAVERS, Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 9, 1921. Serial No. 483,417. 5 Claims. (Cl. 175—294.)



1. In a circuit-interrupter-controlling system, the combination with an interrupter embodying a closing coil, of means for completing an energizing circuit for the closing coil and two switches for controlling said means, one of said switches being actuated to its open position by an electrically operated relay device after each closing of the interrupter and maintained in its open position by holding means embodied in said relay device as long as the other of said switches is maintained in its closed position.

1,637,361. DAMPING DEVICE. WILLIAM E. TRUMPLER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 25, 1926. Serial No. 52,370. 8 Claims. (Cl. 73—51.)



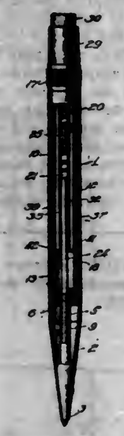
1. A balancing machine comprising a stationary base and a vibratory bed, and electromagnetic damping means for said bed, said means comprising electromagnets having toothed pole pieces secured to said base and bed and adapted to dampen the vibratory movement of said bed without materially influencing the frequency of vibration thereof.

1,637,362. MOLDED PANEL AND METHOD OF MAKING SAME. FRANK H. TUPPER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 29, 1924. Serial No. 702,727. 15 Claims. (Cl. 18—56.)



5. A laminated article comprising a felted cotton impregnated with a phenolic condensation product, covering layers of impregnated wood veneer and a molded bead in one of said layers.

1,637,363. MECHANICAL PENCIL. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed July 17, 1925. Serial No. 44,191. 13 Claims. (Cl. 120—18.)



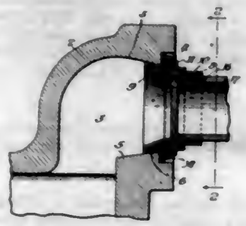
1. In a mechanical pencil, a casing, an actuating tube, an actuating member longitudinally movable in said tube, and a pair of elongated members insertible into said tube to straddle said actuating member and having sides and bottoms cooperating with said tube to define a lead magazine.

1,637,364. VEHICLE BUMPER. ALFRED WEILAND, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 19, 1926. Serial No. 149,402. 6 Claims. (Cl. 293—55.)



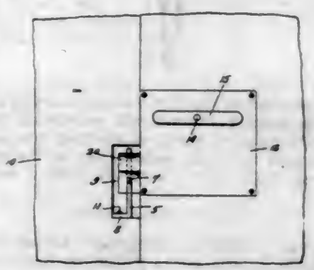
1. A vehicle bumper comprising an impact bar, supports for connection to a vehicle frame, cushioning elements interposed between said impact bar and said supports, and guard members slidably mounted respectively on said cushioning elements and joined at one end to the respective ends of said impact bar.

1,637,365. SPUD FOR WASTE CONNECTIONS AND THE LIKE. KARL A. WERNLE, Chicago, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1926. Serial No. 109,448. 3 Claims. (Cl. 285—50.)



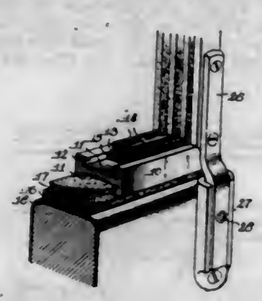
1. In a connection assembly of the character described, a spud having a shank portion and an outwardly inclined end portion adapted to be disposed within an opening in a ceramic vessel or the like, the opening in said vessel being of slightly greater diameter at the mouth thereof than the greatest cross sectional dimension of the spud and increasing in diameter inwardly for a distance sufficient to afford a substantial abutment for a substantial portion of the length of the inclined portion of the spud and said opening at the exterior portion of the mouth thereof being substantially polygonal in shape, a resilient member adapted to be disposed between the inclined portion of the spud and the adjacent walls of the vessel, means for clamping the resilient member between the inclined portion of the spud and the adjacent walls of the vessel, and a polygonal member engaged in the polygonal shaped portion of the mouth of said opening and having means non-rotatively engaged with said spud for holding said spud against rotation in said opening.

1,637,366. DOOR LATCH. GUSTAV A. WESTFIELD, Salem, Oreg. Filed June 2, 1926. Serial No. 113,218. 1 Claim. (Cl. 292—223.)



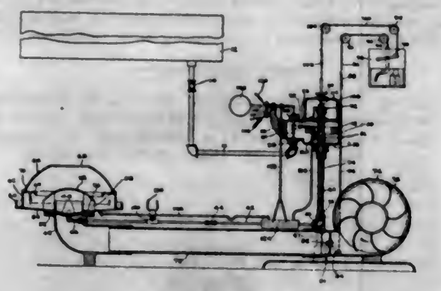
A latch structure of the class described including, a casing, an operating shaft journaled transversely of the casing, a crank arm extending from the operating shaft, a link engaged with the crank arm, an operated shaft journaled longitudinally in the casing, a crank arm extending from the operated shaft and engaged with the link, a coil spring disposed about the operated shaft having one end fixed to the casing and the other end fixed to the crank arm extending from the operated shaft, a pawl on the outer end of the operated shaft, and a striker plate having a notch therein for the reception of the pawl, the entrance to the notch being provided at its lower edge with an inclined surface leading upwardly thereto, said operated shaft and said pawl being disposed in relation to each other so that said operated shaft will enter the notch first dragging the pawl behind it to engage the inclined surface to swing the pawl and the operated shaft so that said pawl may enter the notch fully.

1,637,367. AUTOMOBILE INCLOSURE STRUCTURE. JOSEPH B. ZIMMERS and OLLIE L. HERRON, Chicago, Ill. Filed Mar. 26, 1924. Serial No. 702,011. 1 Claim. (Cl. 296—45.)



An article of manufacture for supporting and sealing a transparency comprising a strip having oppositely disposed duplicate longitudinal channels with restricted openings, a flexible member seated in and held in one of said channels—said flexible member having longitudinal rabbets wherein the transparent member may function, a non-sound producing member inserted in and held by the external of said channels to cushion the structure at the point of contact with an associated structure.

1,637,368. APPARATUS FOR SUPPLYING FUEL OIL TO FURNACES. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed June 25, 1923. Serial No. 674,680. 6 Claims. (Cl. 158—36.)



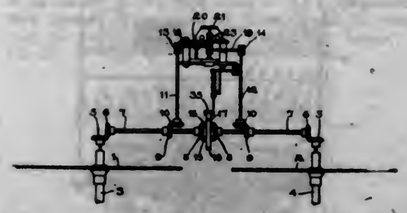
1. Apparatus for supplying fuel oil to furnaces comprising a storage tank, a casing enclosing a reservoir, a pipe connecting said tank and reservoir, a valve controlling the passageway into said reservoir, a float in said reservoir, connections between said float and valve which normally cause said valve to close when the oil reaches a predetermined level in said reservoir, a tube leading from said reservoir which carries off surplus oil when said valve fails to function, a pan into which said tube discharges, a member positioned to force said valve into closed position when weight is applied to the member, means for suspending said pan from said member, a burner, and a pipe connecting said reservoir with said burner.

1,637,369. CONTROL DEVICE FOR HEATING APPARATUS. EDGAR P. BOGAN, Detroit, Mich. Filed Oct. 19, 1925. Serial No 63,447. 5 Claims. (Cl. 137—139.)



2. In a control device for heating apparatus, the combination of a separate member having a longitudinal slide therein, a housing secured thereto, having longitudinal guide ways, a slide member in said guide ways, a chain secured to one end of said slide having one end operatively connected to a regulating device on the heating apparatus, an electro-magnet at the top of said slide, an armature normally held away from said magnet, a trip having one arm engaging said slide and the other engaging said armature, means for energizing said magnet to release the slide from said trip for closing the regulating device, and means for automatically deenergizing said magnet when said slide is in its lower position.

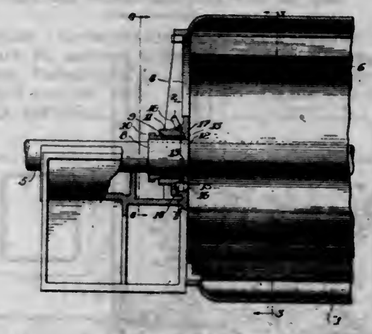
1,637,370. VOLT-AMPERE-HOUR METER. GEORGE ARTHUR CHERTHAM, Manchester, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 19, 1922, Serial No. 582,900, and in Great Britain Aug. 20, 1921. 5 Claims. (Cl. 171—34.)



5. The combination with a plurality of meters adapted to operate accurately between predetermined different ranges of values of a quantity to be measured, indicating means, and a planetary gear system actuated by the meters for controlling the connection of the meters to the indicating device.

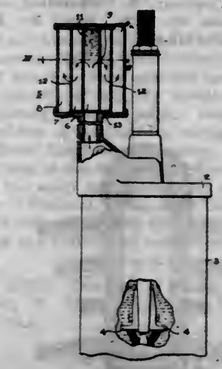
1,637,371. STUFFING-BOX VENT. RALPH C. ENYART, Connersville, Ind., assignor to The P. H. & F. M. Roots Company, Connersville, Ind., a Corporation of Indiana. Filed Nov. 15, 1923. Serial No. 674,821. 8 Claims. (Cl. 230—205.)

1. In pumps and the like, the combination of a casing having an inlet and an outlet, a shaft extending exteriorly of the casing, a pump member secured to the shaft within the casing, a stuffing box surrounding the shaft, the casing being formed with a passage extending from the



stuffing box to the inlet side of the casing and the passage having an opening exteriorly of the casing, and means normally closing the opening.

1,637,372. BAFFLING AND SEPARATING STRUCTURE. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,762. 3 Claims. (Cl. 133—100.)



1. In a baffling and separating structure, a passageway communicating with a liquid-containing chamber, a plurality of separating chambers communicating with openings in said passageway, said openings being so located in said passageway that liquid thrown into said passageway by an expanding gas tends to move beyond said connecting openings without opposing the escape of the propelling gas through said openings.

1,637,373. WORK FEED FOR SEWING MACHINES. WILBUR H. FISHER, Ottawa, Ill., assignor to A. Stein & Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1922. Serial No. 577,789. 7 Claims. (Cl. 112—2.)

1. The combination in a sewing machine; a movable work holder, a work holder guide assembly, one guide element of which has substantially universal movement in a horizontal plane and is connected with the work holder, said element being formed with an opening corresponding in shape to the design of stitching required, a detachable cover plate for said element, a cam plate mounted on the under side of the cover plate and having the same general shape but smaller in size than the

opening in the said universally movable element, and propelling means for said element operatively engaging the same with the opening therein and engaging the cam

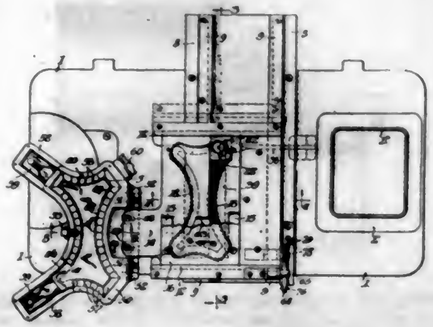
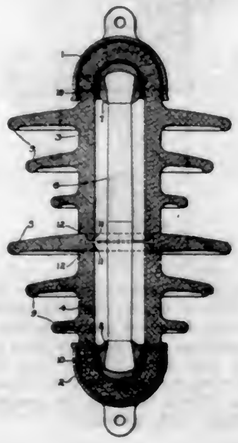


plate to move said element in a path corresponding to the configuration of the cam plate and the opening in said element.

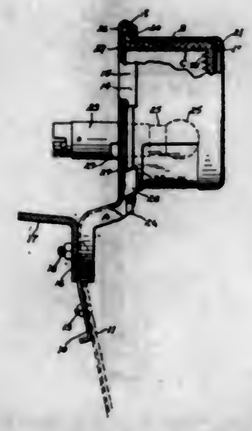
1,637,374. INSULATOR. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 29, 1922. Serial No. 571,752. 5 Claims. (Cl. 173—318.)



1. An insulator comprising terminal members, a tensioned member connected therebetween and a second member disposed between said terminal members, said second mmber being permitted of operative positioning by reason of displacement of said terminal members in response to the tensioning of the tensioned member.

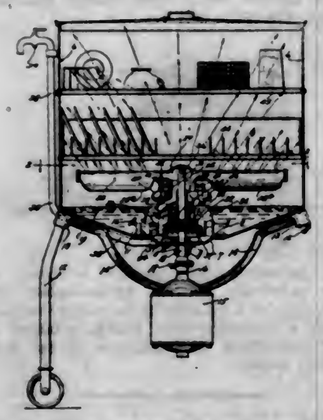
2. A tubular insulator structure comprising end members, a tensioned core member secured adjacent to its ends to said end members and a member disposed between the end members under compression therefrom, said core member being tensioned by pulling said end members oppositely to permit the reception of said compression member.

1,637,375. LAMP AND BRACKET THEREFOR. JOSEPH GALAMB, Detroit, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Oct. 10, 1923. Serial No. 667,596. 3 Claims. (Cl. 40—131.)



1. In a lamp, a substantially flat back member forming a combined license plate holder bracket and lamp back, a tubular body member having retaining means at its outer end, a cup shaped lens member of transparent material within said body, a translucent colored lens member, disposed against the bottom of the cup lens and means for securing said body member to the back member, adapted to press the translucent member against the cup lens and the cup lens against the back member by the engagement of the retaining means with the translucent member.

1,637,376. DISHWASHING MACHINE. JAMES J. GIBNEY, Minneapolis, Minn. Filed Aug. 29, 1924. Serial No. 734,907. 12 Claims. (Cl. 141—9.)



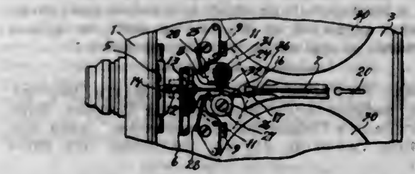
1. In a dish washing machine, a tank, a rotary sprayer within the tank, a pump receiving water from the tank and delivering the same to said sprayer, a motor with connections for driving said pump, frictional driving means between said pump and sprayer, and means for braking said sprayer proportionately to an increase in speed of said motor.

1,637,377. PELLET-FORMING APPARATUS. ADOLF HEICKE, Chicago, Ill., assignor to Armour & Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 82,158. 8 Claims. (Cl. 83—91.)



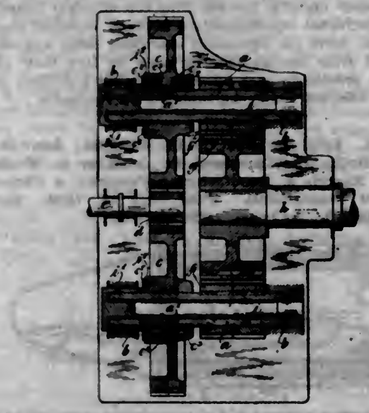
1. In a device of the character set forth, a heated receptacle having an apertured bottom, a plurality of isolated tubular nipples each supplied by an aperture, and means to vary the effective size of the apertures.

1,637,378. MOTION-PICTURE MECHANISM. ALBERT S. HOWELL, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 21, 1925. Serial No. 70,449. 7 Claims. (Cl. 88—17.)



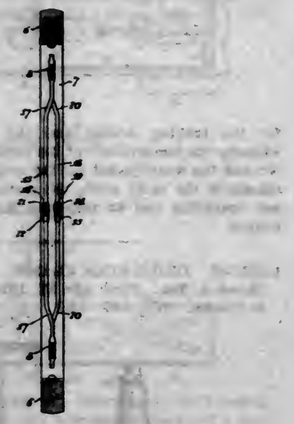
1. In a motion picture mechanism the combination of a revoluble film sprocket, a guide for retaining film thereon, means carrying the sprocket for movement into and out of film retaining relation with the guide, a spur gear fast on the sprocket, a second spur gear meshing with said first gear for driving the sprocket and disposed with its axis in a plane passing through the axis of said first mentioned gear and normal to said movement of the sprocket and maintaining engagement with said first mentioned gear in said movement of the sprocket.

1,637,379. RESILIENT GEARING. ROBERT JENSEN, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 22, 1924, Serial No. 738,874, and in Denmark Sept. 29, 1923. 3 Claims. (Cl. 74—7.)



1. Gearing comprising a driving pinion, a plurality of gears in engagement with said pinion, a plurality of hollow shafts on which said gears are respectively mounted, and a plurality of torsion members within the shafts respectively and operatively connected at one end with the shaft and at the other end with the gear.

1,637,380. LOOM HARNESS. JACOB KAUFMANN, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 20, 1923. Serial No. 633,360. 10 Claims. (Cl. 139—92.)



1. In a loom harness, a harness frame, beddle supporting bars carried thereby, and individual heddles formed of thin flat metal or wire mounted upon said supporting bars in a plurality of sets, the heddles of one set having warp controlling eyes at certain longitudinal locations and the heddles of another set having warp controlling eyes at different longitudinal locations, whereby the warp controlling eyes of one set of heddles are in one horizontal plane and the warp controlling eyes of another set are in another horizontal plane, and the eye portions of one of said sets of heddles being in the same vertical plane as the eye portions of another set of heddles.

1,637,381. SAFE. CHARLES F. KLOSS, New Haven, Conn. Filed Jan. 29, 1925. Serial No. 5,627. 20 Claims. (Cl. 109—8.)

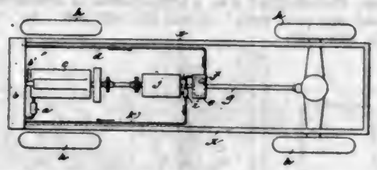


3. A safe structure provided with a storage compartment and a hollow wall upon each side and the back thereof, a relatively shallow tube located in the hollow of each of said walls adjacent the exterior of the same, said tubes being adapted to contain a vaporising fluid and to communicate with the hollow of the wall within which they are located, and communicating at their lower ends with reservoirs containing a vaporising liquid.

1,637,382. COOLING SYSTEM. AUGUST H. LEIPERT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 19, 1926. Serial No. 82,229. 1 Claim. (Cl. 168—264.)

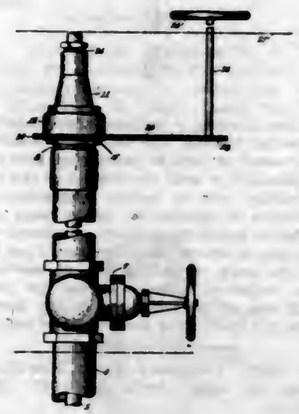
In a motor vehicle having an internal combustion engine and a drive shaft, in combination, a cooling system for the engine comprising a radiator, a water-jacket surrounding the internal combustion engine, a pump, connections between the radiator, the water-jacket and the

pump whereby water may be circulated through the cooling system for the engine, braking devices for the vehicle, a water-jacket surrounding said braking devices, a second pump, said pump being driven by the drive shaft of the vehicle and independently of the operation of the engine, and connections between the radiator, the water-jacket



for the braking devices and the second named pump, whereby the temperature of the cooling water in the radiator and the water-jacket for the engine is maintained substantially the same while the motor is under no load or not operating and at full load during operation of the vehicle.

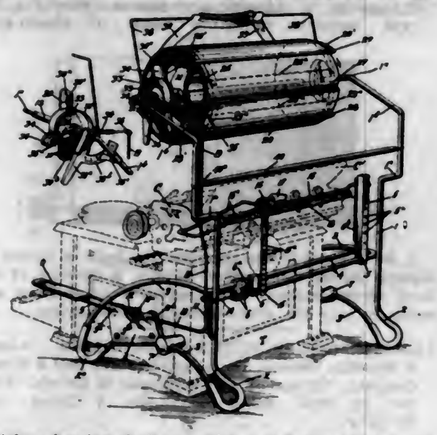
1,637,383. DRILL-STEM CLAMP. GERALD R. LIVERGOOD, Houston, Tex. Filed Apr. 17, 1924. Serial No. 707,081. 9 Claims. (Cl. 166—14.)



1. In well drilling apparatus of the rotary type, the combination with the rotary drill pipe and the surrounding stationary casing, of a support applicable to the casing and provided with horizontal shoulders spaced one above the other, a clamp sleeve having an outstanding flange confined between said shoulders and a compressible conical gripping portion surrounding the pipe and expansible when relieved of pressure to permit the pipe to rotate freely therein, a contracting sleeve surrounding the conical portion of the clamp sleeve, said contracting sleeve being guided by the stationary support for movement over the clamp sleeve and adapted to be supported by said stationary support in position to leave the clamp sleeve free of the rotating pipe and means for shifting the contracting sleeve with respect to the support and the stationary casing to cause the clamp sleeve to engage with and act as a brake on the pipe.

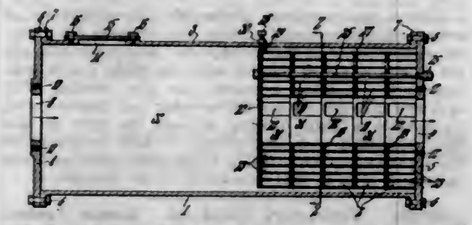
1,637,384. COPYHOLDER FOR TYPEWRITERS. GEORGE E. MARLATT, Pasadena, Calif. Filed Feb. 10, 1925. Serial No. 8,188. 21 Claims. (Cl. 120—32.)

1. The combination, in a copy holder, of a rotatable copy-carrying drum, a clutch for mechanically turning said drum, and a structure permitting said drum to be turned direct-manually in a selected direction regardless of said clutch, said structure comprising a hollow shaft on which said drum and said clutch are mounted, a ball-like brake secured to said hollow shaft at opposite ends of said drum and serving to cause said drum and said hollow shaft to turn in unison under the influence of said



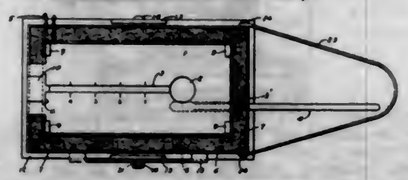
clutch, a bearing shaft on which said hollow shaft turns, and means supported on said bearing shaft for holding the elements of said clutch normally separated.

1,637,385. SILENCER. HIRAM PERCY MAXIM, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 25, 1923. Serial No. 615,434. 10 Claims. (Cl. 137—160.)



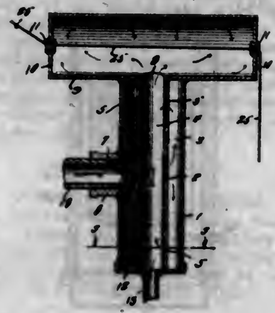
1. In a device of the character described, a structure providing a central chamber surrounded by a plurality of annular chambers of different diameters one outside of the other in series, the circumferential wall of each chamber having a radially directed port at one side only thereof opening directly into the adjacent chamber for unobstructed communication between adjacent chambers, said ports for successive chambers being angularly displaced from one another by more or less than 180° so as to provide in each annular chamber a divided passage of unequal length between successive ports.

1,637,386. SHELLAC-VISCOSITY TESTER. JOHN RUSSELL MCCLAIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 13, 1924. Serial No. 719,740. 7 Claims. (Cl. 265—11.)



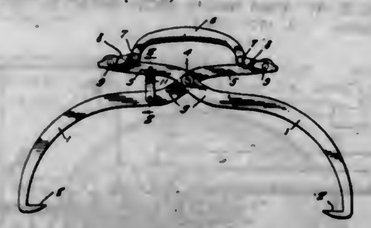
1. A testing apparatus for determining viscosity which comprises a plate provided with a receptacle in one portion thereof, said receptacle having an elongated channel communicating therewith, and a cover for retaining heat in said plate.

1,637,387. STEAM TUBE AND PIPING FOR TEXTILE MACHINERY. OWEN F. MCENANEY, Brooklyn, N. Y. Filed Dec. 11, 1926. Serial No. 154,250. 6 Claims. (Cl. 28—59.)



1. A steam tube for use on textile machinery of the class described, comprising a pair of spaced vertical tubes one arranged within the other, a horizontal tube having thread guides mounted in opposite ends thereof, and the inner vertical tube having a plurality of apertures for the flow of steam from the annular chamber surrounding said tube to the interior thereof, said inner tube being in communication at one end with the horizontal tube, and being in communication at the other end with a discharge pipe, and means for the inflow of steam to the annular chamber between the respective spaced vertical tubes.

1,637,388. TONGS. JOHN ANTON NELSON, Bertrand, Nebr. Filed Apr. 21, 1926. Serial No. 103,577. 2 Claims. (Cl. 294—118.)



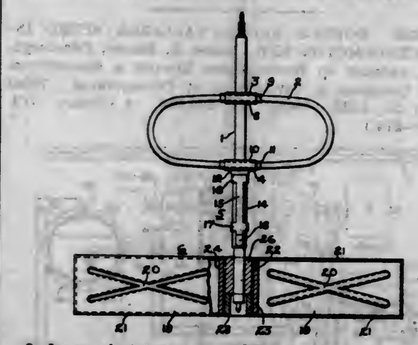
1. A pair of tongs, comprising arched jaws having their outer ends formed with inwardly extending prongs and their opposite ends arranged at different angles and disposed in lapping relation and pivotally connected, said angle portions merging into oppositely directed straight arms, a substantially U-shaped yoke arranged around and pivoted to the end of each arm, a substantially U-shaped handle having its ends pivoted to the yokes and a spring catch fixed to one of the arms and adapted for interlatching engagement with one of the jaws when the handle is moved in the direction of the jaws.

1,637,389. AERIAL PROPULSION. PETER PETERSON, Berkeley, Calif. Filed Dec. 1, 1925. Serial No. 72,471. 1 Claim. (Cl. 170—172.)



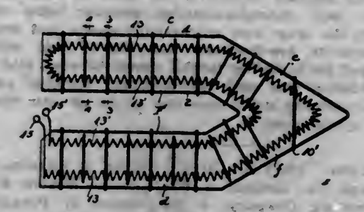
An aeroplane propeller comprising two separable plates secured to each other having a steam conduit in each blade and a chamber in the hub closed on one side and adapted to open into the propeller shaft on the other, and tangential branches from said conduits leading to the rear edges of the propeller blades each having a restricted portion opening into an enlarging funnel discharge nozzle on the edge of the blade.

1,637,390. ELECTRICAL MEASURING INSTRUMENT. RAYMOND T. PIERCE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 616,786. 9 Claims. (Cl. 171—95.)



2. In an electrical measuring instrument, the combination with a shaft and a coil mounted thereon, of a body of insulating material extending from the coil for a distance along the shaft and a conducting lead extending along said body, said lead having an integral portion for mounting the same in position.

1,637,391. ELECTRIC HEATING STRUCTURE. THOMAS C. RUSSELL, Chicago, Ill. Filed July 23, 1926. Serial No. 124,303. 11 Claims. (Cl. 219—19.)



1. In an electric heating structure, the combination of a sheet metal supporting frame having slots cut in from its edges, bars of electrical insulating and heat resistant material set in said slots to be thereby supported, said bars having slits extending inwardly from their side edges, and a resistance conductor in the form of a wire helix engaged in said slits to be thereby supported and insulated from said frame.

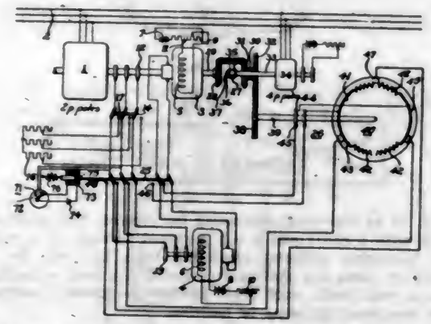
1,637,392. COMBINED RESILIENT SUSPENSION AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 2, 1924. Serial No. 717,401. 12 Claims. (Cl. 152—45.)



5. In a combined resilient transmission and bearing for vehicle wheels, the combination of a hub portion and a rim portion, a disk carried by the hub portion at its

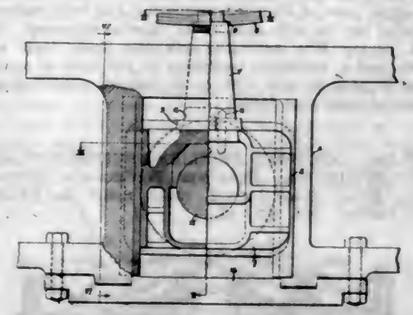
inner end, a central cone element fixed to the hub portion adjacent said disk, an inner side plate carried by the wheel rim portion and bearing against said disk, diametrically opposed cone elements supported on said disk, additional diametrically opposed cone elements arranged substantially at right angles to said first-mentioned cone elements and carried by said inner side plate, a bearing element carried in bearing relation against the inner side plate, an apertured member cooperating with the cone elements, and a spring member engaging the apertured member for yieldingly maintaining in position the respective parts, substantially as set forth.

1,637,393. DOUBLE-RANGE-VARIABLE-SPEED INDUCTION-MOTOR SET. EBROL B. SHAND, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1923. Serial No. 633,666. 4 Claims. (Cl. 172—274.)



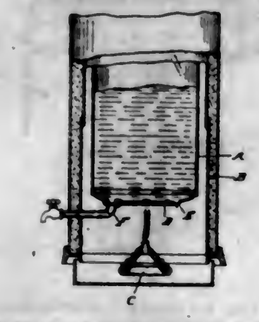
1. In a variable-speed drive, the combination of an induction motor, a direct-current machine, a dynamo-electric current-converting machine connected between the secondary member of said induction motor and said direct-current machine to control the speed of said induction motor, said current-converting machine being unstable within the range near synchronous speeds, and means responsive to low-frequency currents in said secondary member for including in the circuit between said induction motor and said direct-current machine auxiliary means securing stable operation of the set over the range near synchronism.

1,637,394. DRIVING BOX. VICTOR J. SHEPARD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1922. Serial No. 599,546. 9 Claims. (Cl. 105—224.)



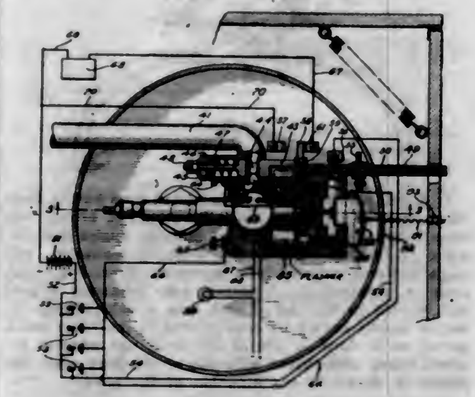
1. A locomotive driving box comprising a substantially box-shape casing, an integral projection formed thereon, a bearing block, and a spring saddle, said saddle, bearing block and projection being secured by a plurality of dowel pins.

1,637,395. WATER-HEATING APPARATUS. FRANK W. SHUELL, Detroit, Mich., assignor to Everhot Heater Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 7, 1924. Serial No. 784,878. 6 Claims. (Cl. 122—13.)



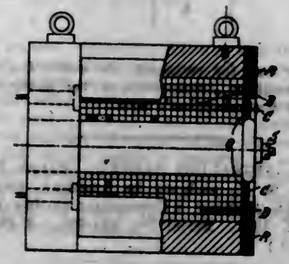
1. In a water heater, the combination of an outer casing, a gas burner, a water storage tank spaced within said container forming an annular flue passageway, said tank having its entire lower end spaced a substantial distance above said burner and adapted to deflect the flame laterally to communicate with said annular flue and a depressed portion extending slightly below the remaining portions of said tank arranged to direct the drippings of condensed water away from said burner, said depressed portion being of such small height as to prevent any appreciable downward deflection of the combustion gases before entering the annular flue.

1,637,396. ALARM SYSTEM. SAMUEL SOLODAR, New York, N. Y. Filed Nov. 1, 1924. Serial No. 747,259. 2 Claims. (Cl. 177—314.)



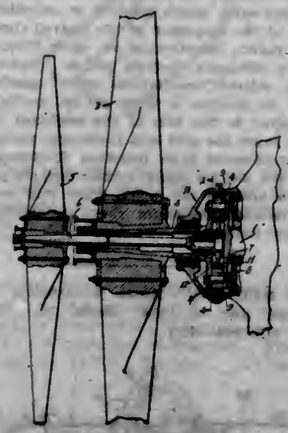
1. In an alarm system for the protection of buildings, a container for a compressed fluid, an audible signal device operable by compressed air, a conduit connecting said device and container and having therein a valve, normally spring pressed into closed position to prevent operation of the signal device, said valve having a projecting operating stem, electromagnetically controlled means for operating the valve to open position, an electric light, an explosion device, means for controlling the explosion device, said light being controlled by electromagnetically controlled means, a master circuit for controlling the explosion device controlling means and said electromagnetically controlled means, a second valve in the conduit between the audible signal device and the other valve and spring pressed to open position, the movable member of the second valve having a by-pass conduit movable into communication with the container through the first valve when it shuts off communication from the container to the audible signal device, and means operable by the second valve when moved to cut off the audible signal device for changing the condition of the master circuit to cause an operation of the first valve and light and placing the exploding controlling means in a condition to prevent operation of the exploding device whereby the operativeness of the device may be readily determined without operation of the audible signal device or said explosion device.

1,637,397. TELEPHONE TRANSMITTER AND RECEIVER. ADRIAN FRANCIS SYKES, New Barnet, Herts, England. Original application filed July 21, 1924. Serial No. 727,242, and in Great Britain July 21, 1923. Divided and this application filed Nov. 28, 1925. Serial No. 71,919. 12 Claims. (Cl. 179—115.)



2. In non-resonant means for reproducing sound, the combination of a non-resonant reflecting barrier, a magnetic field and a conducting element set in close proximity to the barrier.

1,637,398. AIRPLANE CONSTRUCTION. MICHAEL SYRACUSA, Chicago, Ill. Filed Jan. 14, 1926. Serial No. 81,293. 3 Claims. (Cl. 244—25.)



1. The combination with a crank shaft, a relatively large propeller, a hollow shaft supporting said propeller, of a solid shaft disposed in said hollow shaft, a relatively small auxiliary propeller carried by said solid shaft, said auxiliary propeller being disposed in front of said first named propeller and covering the inactive area of said first named propeller, a gear disposed between said crank shaft and said hollow shaft and rigidly mounted upon said solid shaft, pinions rotatably disposed between said crank shaft and said hollow shaft, and in mesh with said gear, and means cooperating with said pinions, said gear, and said solid shaft for actuating said auxiliary propeller at a greater speed than said first named propeller when said crank shaft is rotated.

1,637,399. TIE STRAIGHTENER. FRANCES R. VAN HOUTEN, Detroit, Mich. Filed Oct. 30, 1925. Serial No. 65,837. 1 Claim. (Cl. 223—19.)



A tie stretcher embodying a length of flat metal bent intermediate its ends, to provide leg members, the adjacent faces of the leg members contacting with each other throughout portions of their lengths, the free ends of the leg members being arranged in spaced relation with each other, and the inner adjacent faces of the leg members lying in the same plane.

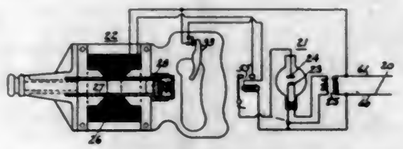
1,637,400. AUTOMATIC ARM. PAUL VON KIRÁLY and JOSEF LOVÁSZ, Budapest, Hungary. Filed Oct. 5, 1925. Serial No. 60,661, and in Germany Oct. 6, 1924. 5 Claims. (Cl. 42—4.)



1. In an automatic fire arm having a barrel arranged for short recoil and a bolt, the combination with the barrel of a bolt actuating slide and a lever to actuate the slide, the lever being adapted to receive and to transmit to the slide the impact of the recoiling barrel, the slide being adapted to open the bolt by its own impact, said barrel being arranged for lost motion equal to more than two thirds of the total recoil movement thereof

before the slide is actuated by the lever, and said slide being arranged for lost motion equal to more than twice the total recoil movement of the barrel, before the bolt is actuated by the slide.

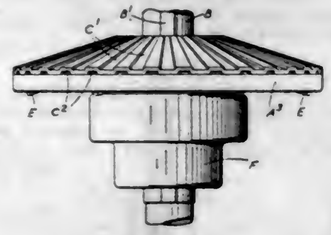
1,637,401. METHOD OF AND MEANS FOR CONTROLLING RECIPROCATING MOTORS. CARL S. WEYANDT, Pittsburgh, Pa., assignor to Central Electric Tool Company, a Corporation of Pennsylvania. Filed Mar. 5, 1924. Serial No. 697,051. 15 Claims. (Cl. 172—240.)



1. The method of operating a reciprocating motor provided with a movable magnetizable member, which comprises selecting solely by asymmetrical electrical conduction successive current impulses from a source of single phase alternating current, and effecting movement of said magnetizable member by undulatory electro-magnetism produced by said impulses.

6. The combination with a reciprocating motor comprising an actuating winding and a reciprocating magnetizable member, of a source of single phase alternating current, and an electric valve in circuit with said source and said winding and serving as the sole means for selecting current impulses from said source for energization of said windings to effect magnetically movement of said magnetizable member in each direction.

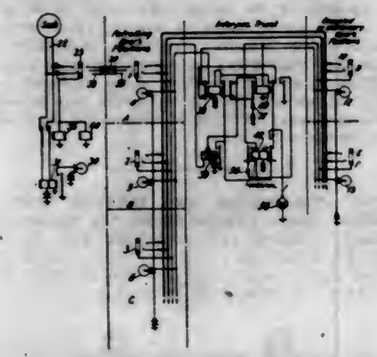
1,637,402. POWER-TRANSMISSION PULLEY. GEOFFREY JOSEPH ABBOTT, London, England. Filed Oct. 9, 1926, Serial No. 140,637, and in Great Britain Nov. 11, 1925. 3 Claims. (Cl. 64—8.)



1. An expanding pulley comprising in combination a pair of relatively thin dished pressings having alternate radially extending grooves and depressions, a pair of comparatively rigid reinforcing backings for said pressings and means for connecting each pressing to its respective backing member.

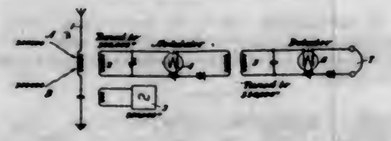
1,637,403. TELEPHONE SYSTEM. HENRY H. ABBOTT, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 9, 1926. Serial No. 93,507. 4 Claims. (Cl. 179—53.)

1. In a telephone system, a subscriber's line, a link circuit, an interposition trunk for the connection of said subscriber's line with said link circuit, a signal associated with each end of said trunk, means responsive to the connection of the subscriber's line with one end of said trunk for making said line test busy and for operating the signal at the other end of said trunk, and means responsive to the disconnection of the link circuit from the trunk for actuating the signal at the said one end of



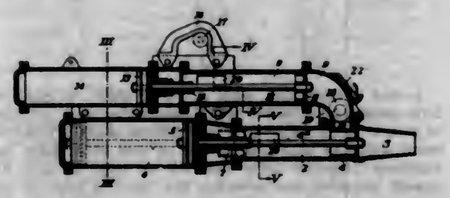
said trunk and for restoring the subscriber's line to a nonbusy condition, irrespective of the connection of the trunk with the subscriber's line.

1,637,404. SIGNALING SYSTEM. RALPH BOWN, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 12, 1921. Serial No. 451,700. 2 Claims. (Cl. 179—171.)



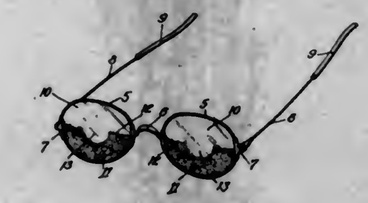
1. The method of increasing the selectivity of signal receiving apparatus, which consists in selecting to favor oscillations of the frequency of the desired signal carrier, thereby to reduce interference on other frequencies and substantially eliminate that on remote frequencies, combining the selected oscillations with another set of oscillations to produce a third set of oscillations of a frequency equal to the sum of the combined frequencies, selecting to favor the said sum frequency, thereby further reducing interference from incoming frequencies not remote from the desired signal carrier frequency, and then detecting to produce the signal from said selected sum frequency oscillations before they are again subjected to inteference sources.

1,637,405. MUD GUN. EDGAR E. BROSIUS, Pittsburgh, Pa. Filed Aug. 4, 1926. Serial No. 127,000. 10 Claims. (Cl. 266—42.)



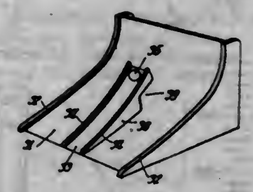
1. A mud gun having a clay feeding reservoir mounted thereon, said reservoir communicating with the chamber of the gun through a normally open connection, means for creating a discharging pressure on the clay in the reservoir, and piston means in the gun chamber effective for ejecting clay therefrom, the piston forming a closure for the open connection during a portion of the piston stroke.

1,637,406. GOLF GOGGLES. WILLIAM C. BRUMDER, Milwaukee, Wis. Filed July 31, 1922. Serial No. 578,659. 1 Claim. (Cl. 2—14.)



A pair of goggles, comprising lenses having transparent portions and opaque portions, said opaque portions extending over the bottom portion of said lenses, the center of said lenses being transparent and the bottom half thereof being opaque at both sides of the central transparent portion whereby the sight of the wearer through the bottom half of the lenses is obscured to compel the wearer to face an object on the ground sighted through said goggles, the upper part of said lenses being transparent to permit the wearer to see objects at a distance above a predetermined plane.

1,637,407. PUTTING APPARATUS. WILLIAM C. BRUMDER, Milwaukee, Wis. Filed Apr. 2, 1923. Serial No. 629,395. 10 Claims. (Cl. 273—36.)



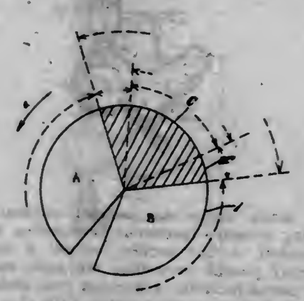
1. A putting apparatus comprising an inclined main runway, an inclined supplemental runway thereon and means for deflecting a ball from said supplemental runway laterally to said main runway.

1,637,408. CURVATURE-MEASURING DEVICE. LUCIAN W. BUGBEE, Jr., Indianapolis, Ind., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1925. Serial No. 74,207. 7 Claims. (Cl. 33—172.)



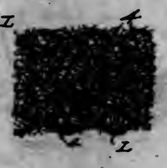
1. A curvature measuring device including a micrometer screw having a pin at one end, a threaded tube in which said screw is threaded and longitudinally movable, a thimble secured to the other end of the screw and surrounding said tube, said thimble and tube being provided with means for determining the relative movements of said parts, a plate secured to and extending laterally of the plate, and fixed pins in said plate on diametrically opposite sides of said first mentioned pin, whereby the curvature of a curved surface may be determined.

1,637,409. CINEMATIC APPARATUS. ERNESTO CAUDA, Quinto al Mara, Genova, Italy. Filed Mar. 22, 1923, Serial No. 626,808, and in Italy Mar. 23, 1922. 1 Claim. (Cl. 88—19.3.)



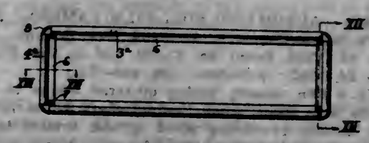
Motion picture apparatus useful for taking pictures as well as for projecting the same, characterized by a non-variable shutter disc having a plurality of segmental blades and segmental gaps therebetween, the gaps with the exception of one, being covered by a filter which transmits some visible light but no actinic light.

1,637,410. COATED METAL LATH. WILLIAM CLAYTON CORYELL, Youngstown, Ohio, assignor, by mesne assignments, to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Dec. 23, 1922. Serial No. 608,778. 3 Claims. (Cl. 72—116.)



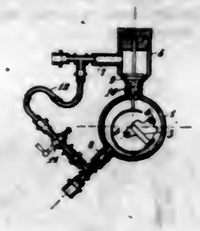
1. A coated metal lath including a meshed metal structure, and a plastic matrix with fibrous elements therein coating the metal structure.

1,637,411. PALLET. CHARLES B. CUSHWA, Youngstown, Ohio, assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio, a Corporation of Ohio. Filed June 14, 1924, Serial No. 720,082. Renewed Mar. 1, 1926. 9 Claims. (Cl. 34—17.)



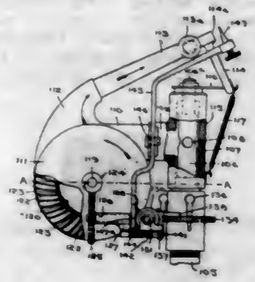
1. As an article of manufacture, a pallet having a curved bead on the ends and sides thereof, said bead having overlapping projecting flanges secured to the body of the pallet, there being a reinforcing flange at the corners of the pallet, substantially as described.

1,637,412. SAFETY DEVICE FOR APPARATUS FOR FORCED LUBRICATION IN COMBUSTION ENGINES. JAN EILERS, Meester Cornelis, Java, Dutch East Indies, assignor of one-half to Tjoen Siang Ie, Meester Cornelis, Java, Dutch East Indies. Filed Feb. 3, 1927, Serial No. 165,736, and in the Netherlands Sept. 18, 1924. 2 Claims. (Cl. 123—196.)



1. A safety device for internal combustion engines employing pressure lubrication, comprising an oil pressure conduit, a fuel supply conduit, a valve in the fuel supply conduit controlling the same, and valve operating means including a Bourdon tube within said fuel supply conduit in communication with the oil pressure conduit.

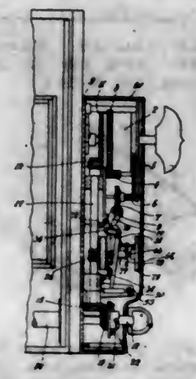
1,637,413. APPARATUS FOR WATERING AREAS OF LAND. DONALD ELDER, Onehunga, New Zealand. Filed Jan. 5, 1922, Serial No. 527,259, and in New Zealand Nov. 8, 1920. 15 Claims. (Cl. 299—18.)



1. In apparatus for watering land, a supply pipe, a sprayer communicating with said supply pipe and comprising a hollow fitting mounted so as to be rotatable about said supply pipe and carrying a turbine provided with a nozzle; gearing between the turbine shaft and said pipe whereby the water passing to the nozzle operates said turbine; means for raising and lowering the mouth of the nozzle during the rotary motion of the sprayer; and means for reversing the travel of the turbine about the supply pipe.

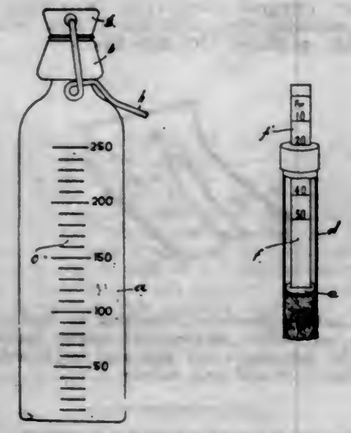
1,637,414. AUTOMATIC ROLL-FILM CAMERA. FREDERICK HOWE HADFIELD, Auckland, New Zealand. Filed Jan. 19, 1926, Serial No. 82,350, and in New Zealand July 24, 1925. 4 Claims. (Cl. 242—71.)

1. In a film camera, spring operated means to wind the film on a spool, a longitudinal shaft driven by said spring means, a winding spool spindle rotated in one direction by said shaft, a wheel having its axis at right angles to said shaft and driven by said longitudinal shaft, holes in the face of said wheel corresponding in number to the exposures to be made on the film and spaced so that the rotation of said shaft will at each exposure be sufficient to wind the film the correct amount for the next exposure, a lever pivoted across the face of said wheel, a portion of said lever adapted to fall into said holes, means whereby when said lever falls into one



of said holes the spring operated means will be stopped, and means for releasing said lever immediately the exposure is made, substantially as described.

1,637,415. APPARATUS FOR PREPARING LIQUID MILK FROM MILK POWDER. KARL HOFFELMAYR, Kempten in Allgau, Germany. Filed Apr. 16, 1926. Serial No. 102,555. 2 Claims. (Cl. 215—11.)



1. An apparatus for preparing liquid milk from milk powder, comprising in combination a mixing vessel, a scale on the said mixing vessel, a measuring vessel and a scale on the said measuring vessel, the graduations of the two scales being so related to each other that similar graduations on the two vessels indicate quantities of liquid and milk powder, which, when mixed together, constitute normal milk, as set forth.

1,637,416. FEEDING OR CONDUCTING TUBE FOR AGRICULTURAL DRILLS OR CULTIVATORS. CLARENCE HUNT, Beulah West, Victoria, Australia. Filed Feb. 24, 1923, Serial No. 620,945, and in Australia Oct. 28, 1922. 2 Claims. (Cl. 221—189.)

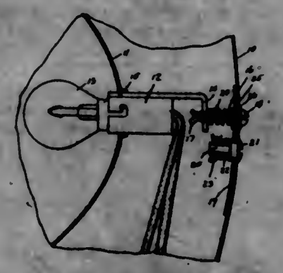
1. In a machine for continuously sowing seed, the combination of a feeding wheel mounted to rotate about

a substantially horisontal axis and having a central disc or web and a peripheral rim that projects an equal distance laterally in opposite directions from said web, a delivery chute into which said wheel projects; the aperture in the wall of said chute through which the wheel passes having portions of equal dimensions at both



sides of said web, a conduit connected to and extending downward from the delivery chute and having two terminal branches, and a removable partition extending through said conduit and into the delivery chute to provide separated passages from the feed wheel to the inlets to said branches of the conduit.

1,637,417. ADJUSTING DEVICE. SAMUEL W. HYATT, Connersville, Ind., assignor to Indiana Lamp Corporation, Connersville, Ind., a Corporation. Filed Feb. 2, 1926. Serial No. 85,580. 7 Claims. (Cl. 240—44.)



1. The combination with a lamp casing, and a reflector mounted therein, of a socket slidably mounted in said reflector for supporting a source of illumination, means for adjusting the position of said socket by slidably moving the same with respect to said reflector, a circular disc having a cam-like slot therein through which said adjusting means extends, and means for pivotally mounting said disc on said casing and rotating the same for varying the position of said adjusting means and effecting a tilting movement to said socket independently of its sliding adjustment.

1,637,418. BRUSH ATTACHMENT FOR WASHING MACHINES. MINNIE ISSMAN, Pittsburgh, Pa., assignor to Margaretha A. Vierling, Pittsburgh, Pa. Filed Nov. 12, 1921, Serial No. 514,533. Renewed Jan. 4, 1927. 1 Claim. (Cl. 68—22.)



A scrubbing attachment for washing machines comprising a support in the form of a housing, rotatable scrubbing elements carried by the support, and means carried by the support for detachably connecting said support to a wringer, the upper portion of said housing constituting a guide.

1,637,419. NAIL-EXPANSION ANCHOR. CHARLES H. KLEIN, Jersey City, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 23, 1923. Serial No. 659,023. 1 Claim. (Cl. 85—2.4.)

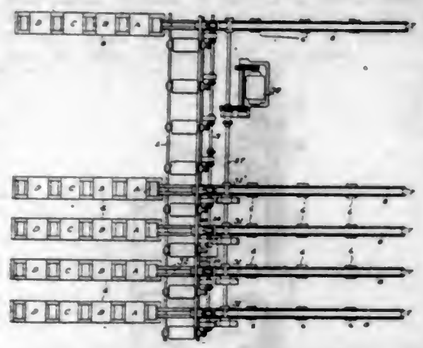


An expansion anchor consisting of a hollow cylinder parted by a longitudinal slot, the top of said cylinder being flared and the lower portion of said cylinder carrying a plurality of circular corrugations, said corrugations reducing the diameter of the center hole at the low points of the corrugations, and the outwardly projecting ridges formed by said corrugations being rounded.

1,637,420. MATERIAL-HANDLING APPARATUS. CLARENCE J. KLEIN, Bellevue, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1925. Serial No. 59,527. 35 Claims. (Cl. 214—6.)

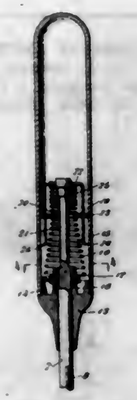
1. In a material handling apparatus, a carrier, a plurality of cradles at one side of said carrier and lo-

cated different distances therefrom, means operable transversely of said carrier for engaging a body thereon and delivering the same to any one of said cradles, said



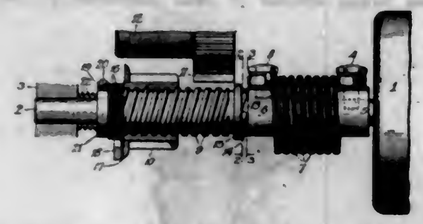
cradles being shaped to support said means when moved into cooperative relation therto, and driving mechanism for said means, substantially as described.

1,637,421. PRESSURE INDICATOR. EMANUEL WM. LIPSCHUTS, Brooklyn, N. Y. Filed June 23, 1926. Serial No. 117,910. 2 Claims. (Cl. 73—31.)



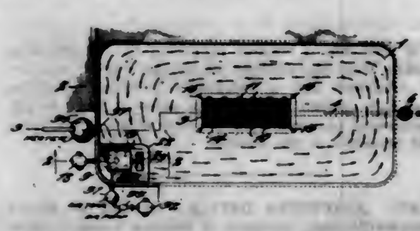
1. In a pressure indicator, a graduated stem having one end capable of engagement with various areas of the anatomy to test the sensitiveness to pressure upon said areas, a sleeve member operated by pressure to move along said stem, a coil spring having one end connected to said sleeve member, a guide member secured to the other end of said spring, a yoke secured to said stem and extending through said guide member for movement relative thereto, said yoke having means to engage said guide member to also cause a unitary movement of the yoke and member, and a second spring interposed between and secured to said guide member and said yoke, the initial pressure upon said sleeve member causing a movement of said yoke and said second spring relative to said guide member, and subsequent pressure upon said sleeve member expanding the first named spring and moving said yoke and guide member in unison.

1,637,422. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Aug. 2, 1919. Serial No. 314,051. Renewed Jan. 19, 1927. 24 Claims. (Cl. 74—7.)



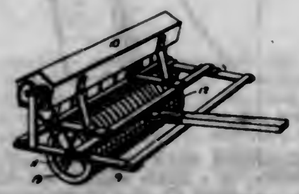
1. The combination of a driving element, a rotatable shaft, a driving member mounted on the shaft, for longitudinal movement thereof and rotary movement therewith, and means which normally connect said element and shaft together for transmitting the torque for the driving operation but adapted to be operated to disconnect them when the longitudinal movement of the driving member is interrupted.

1,637,423. SWIMMING POOL. PAUL CHARLES MILLER, Jacksonville, Fla. Filed Dec. 27, 1926. Serial No. 157,159. 8 Claims. (Cl. 4—172.)



1. A swimming pool comprising a substantially rectangular tank with rounded corners, means for creating a current in the water around the perimeter of the tank with a mild vortex at the center thereof and a sump in the center of the tank below the floor and opening directly into the main body of water near said vortex to receive the matter which settles out of the water.

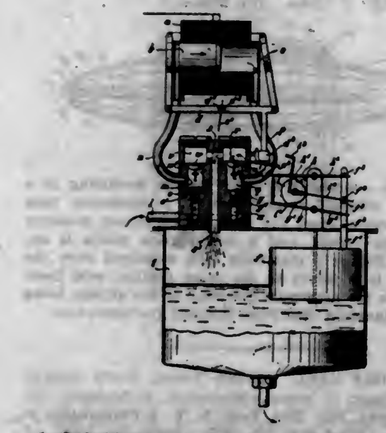
1,637,424. AGRICULTURAL IMPLEMENT. ROBERT BLAKE MORROW, Brunswick, Victoria, Australia. Filed Mar. 9, 1926, Serial No. 93,517, and in Australia May 6, 1925. 2 Claims. (Cl. 55—77.)



2. In a machine of the character described, in combination a frame, an axle journalled therein, a pulrality of discs arranged at suitably spaced intervals on said axle and provided in the peripheries with alining notches, a plurality of elongated bars constituting roller bearings arranged in the alining peripheries of the discs in parallel with the axle, and a crushing roller rotatably mounted

on said bars including a plurality of rings, the end rings being in the form of wheels and secured to said shaft and all of said rings having U-shaped peripheral portions, substantially as and for the purposes set forth.

1,637,425. SWITCH FOR ELECTRICAL FUEL-FEEDING APPARATUS. AUGUST NAGEL, Stuttgart, Germany. Filed Aug. 4, 1925, Serial No. 48,180, and in Germany Aug. 26, 1924. 4 Claims. (Cl. 103—26.)



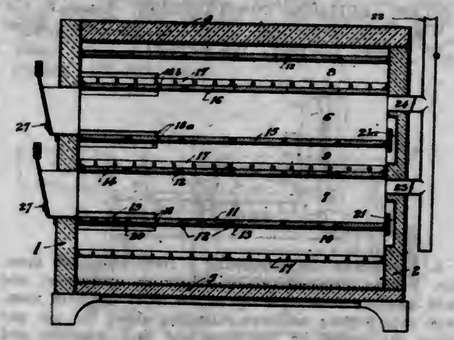
1. Switching apparatus for electrical fuel-delivering apparatus and the like, comprising a magnetizable reciprocating member, two solenoids for reciprocating said member, and means for energizing said solenoids alternately, said means comprising a movable switch member, a reversing rod, magnetic means for displacing said reversing rod upon the magnetizable reciprocating member reaching either end of its stroke, an abutment on said reversing rod, the movable switch member being adapted to engage with said abutment during displacement of the reversing rod and to be released thereby at the end of said displacement, and resilient means for changing the position of the movable switch member as soon as said switch member is released by the abutment, said resilient means being stressed by the displacement of the reversing rod.

1,637,426. MACHINE FOR COATING ELECTRIC STORAGE-BATTERY PLATES. WILLIAM H. NORDHAUS, Chicago, Ill., assignor, by mesne assignments, to K. W. Battery Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 29, 1921. Serial No. 496,815. 21 Claims. (Cl. 226—39.)



1. In a machine of the character described, a plate table arranged to receive a double row of grids, means for reciprocating said table horizontally, and coating mechanism above and adjacent the path of said table arranged to coat grids on said table, said table having a pair of movable sections operable to reverse and transfer the grids from one row to the other.

1,637,427. BAKING OVEN. CHARLES HENRY RICHES, Toronto, and CLARENCE WILLIAM AIRD, Brantford, Ontario, Canada, assignors to The Brantford Oven & Rack Co. Limited, Brantford, Canada, a Corporation of the Province of Ontario. Filed Mar. 8, 1924. Serial No. 697,756. 1 Claim. (Cl. 107—55.)



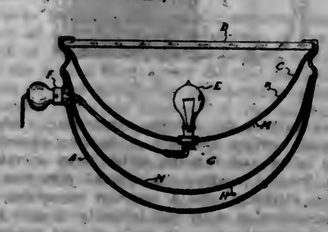
A baking oven comprising a baking chamber, two heating chambers, one located below and separated from the baking chamber by the baking deck and the other located above the baking chamber and separated from it, an electric heating element in each heating chamber, a vent connecting the baking chamber with the heating chamber below it and provided with an opening into the baking chamber the lower edge of which is substantially in the same plane as the top surface of the backing deck, for maintaining a circulation of air from the baking chamber to the heating chamber, and a vent connecting the heating chamber with the baking chamber above it having an opening into the baking chamber above the level of the first-mentioned vent for the circulation of the heated air from the heating chamber to the baking chamber.

1,637,428. MINERAL FEED AND PROCESS OF PREPARING THE SAME. VIRGIL R. RUPP, Quincy, Ill. Filed Sept. 24, 1926. Serial No. 137,631. 4 Claims. Cl. 167—10.)

1. The herein described process of producing a mineral feed, which consists in treating rock phosphate with concentrated sulphuric acid whereby a portion of the fluorine is eliminated and calcium sulphate formed, and mixing the treated rock phosphate with other mineral elements, the calcium sulphate serving as a binder for the whole.

4. A mineral feed, comprising a mixture of mineral elements including a lime compound, and rock phosphate from which a portion of the flourine has been removed, the mixture being held together by a binder of anhydrous calcium sulphate.

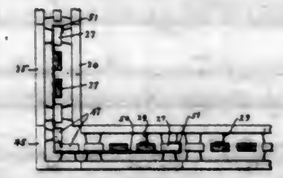
1,637,429. GLARELESS LAMP. JAMES MILNE STEWART, Brisbane, Queensland, Australia. Filed Sept. 9, 1926, Serial No. 134,548, and in Australia Oct. 2, 1925. 3 Claims. (Cl. 240—48.2.)



1. A lamp having a focalising light projecting reflector, a light source in the focal zone of the reflector, said reflector being provided with symmetrically disposed perfora-

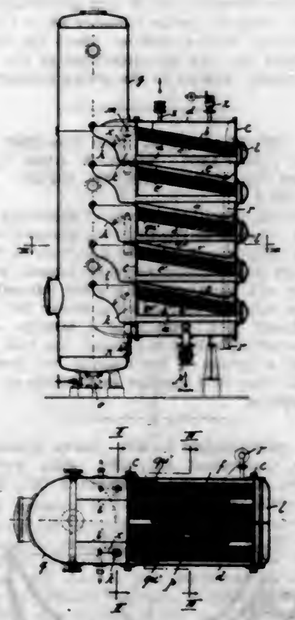
tions, a lenticular cell rearward of said reflector having a concave reflector forming its rearward wall, said cell having a surface colored differentially in relation to the color of the light emitted from the lamp.

1,637,430. BUILDING CONSTRUCTION. ELMER E. VAN WIE, Long Beach, Calif. Filed Jan. 25, 1926. Serial No. 83,534. 6 Claims. (Cl. 72—29.)



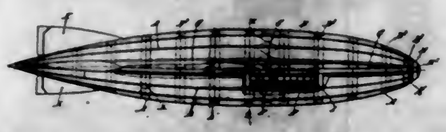
1. A building tile comprising a front and back member, locking members arranged between said front and back members near each side of the front and back members, said locking members extending above the top and below the bottom of the front and back members and being narrower than the distance between the front and back members, and means to secure the front and back members to the locking members.

1,637,431. CONCENTRATOR FOR LIQUIDS. WILHELM VOGELBUSCH, Vienna, Austria. Filed Aug. 7, 1924, Serial No. 730,671, and in Germany Nov. 22, 1923. 1 Claim. (Cl. 159—23.)



In a concentrator for liquids, comprising a plurality of superposed heating elements, a heating chamber enclosing the latter and through which flows a uniformly distributed heating medium in upward direction along said heating elements, and a common vaporizing chamber in communication with and laterally of said heating elements; the combination, in each of said heating elements, of one lower row of wide horizontally located heating tubes and a plurality of rows of narrow heating tubes upwardly inclined toward the vaporizing chamber and in communication with and above said wide heating tubes for a passage of the liquid to be concentrated first through the wide and then through the narrow heating tubes from the uppermost down to the lowermost heating element.

1637,432. LIGHTER-THAN-AIR AIRCRAFT. BARNES NEVILLE WALLIS and CHARLES DENNISTON BURNEY, Westminster, London, England, assignors to Airship Guarantee Company, Limited, London, England. Filed Dec. 17, 1925, Serial No. 75,981, and in Great Britain Jan. 9, 1925. 1 Claim. (Cl. 244—3.)

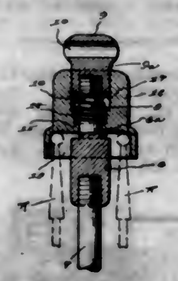


An airship comprising a front portion consisting of a semi-prolate ellipsoid approximately 2 diameters long at which distance from the nose the maximum diameter of the airship occurs, and a rear portion which is approximately 2½ or 3 diameters long measured from the place where it is joined to the front portion, said front portion up to the maximum diameter of the airship being free or substantially free from external protuberances.

1,637,433. DRY CELL. VICTOR YNGVE, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 12, 1925. Serial No. 1,921. 6 Claims. (Cl. 136—139.)

1. The method of preparing dry cell mixture which consists in milling together depolarizing and ordinary carbonaceous materials, the latter being less in quantity than is required in the mix, and then adding the balance of the required carbonaceous material in ordinary form to the milled product.

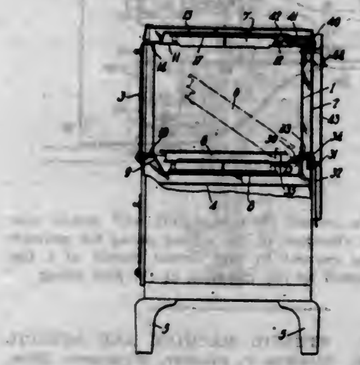
1,637,434. ATTACHMENT FOR PARASOL AND UMBRELLA HANDLES. AARON BURKOWITZ, Newark, N. J. Filed May 29, 1926. Serial No. 112,578. 1 Claim. (Cl. 135—44.)



A device of the character described, comprising a body portion adapted to be secured to an umbrella or parasol and having a shank portion reduced in diameter to present a shoulder intermediate the ends of said body portion, a knob carried by the upper end of said shank portion, a reciprocatory member having a socket portion and having an axial bore adapted to receive said shank portion, said bore being increased in diameter to define a shoulder and further increased in diameter to slidably receive the lower reduced portion of said knob and to define a second shoulder and tensioning means positioned within the last-mentioned bore abutting the first-named shoulder and the face of said knob, said tensioning means

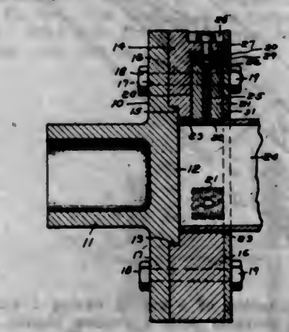
constantly urging said body portion against the shoulder in said body portion, and said second shoulder cooperating with the inner face of said knob to limit the outer sliding movement of said reciprocatory member.

1,637,435. ELECTRIC OVEN. THOMAS GIBB BROWN, St. Laurent de Montreal, Quebec, Canada, assignor to The Gurney Foundry Company, Limited, Toronto, Canada, a Corporation. Filed Feb. 25, 1926. Serial No. 90,446. 4 Claims. (Cl. 219—35.)



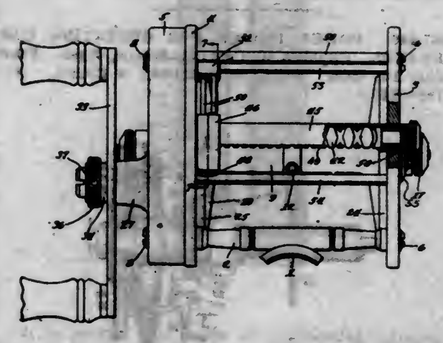
2. In an electric oven having a wall, a heating element, a hinged mounting for said element on said wall, and a knife-blade switch adjacent to said hinged mounting and controlling the connection between said element and the current main.

1,637,436. CHUCK. OSCAR J. CAMERON, Luling, Tex. Filed Jan. 28, 1926. Serial No. 84,462. 8 Claims. (Cl. 279—7.)



2. A chuck device for holding the screw-threaded ends of nipples, comprising a head having an inner jam face, a separate holding member mounted upon the head and having an inner opening for exposing the jam face, slidable jaws mounted upon the holding member in a group surrounding the inner opening and having their inner ends threaded to engage the threads of the nipple, a combined jam and clamp plate mounted upon the holding member clamping against said jaws and having an inner opening leading into the first named inner opening said opening of the jam and clamp plate being of a proper size to receive the work with the work substantially contacting with the wall of said opening, and means for binding the head, holding member, and combined jam and clamp plate together, the arrangement being such that the nipple may be turned while in engagement with the screw-threaded jaws whereby its end may clamp against the jam face and its periphery may engage with the wall of the inner opening of the combined jam and clamp plate.

1,637,437. FISHING REEL. FRANCIS M. CASE, Cleveland Heights, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed June 2, 1922. Serial No. 565,377. 18 Claims. (Cl. 242—84.4.)



1. A fishing reel, comprising a frame including connected end plates and a gear casing, in combination with a rotatable spool, operating gears within said casing, and flange members on the frame extending circumferentially around and thereby confining one of the gears in place.

1,637,438. AMPLIFYING HORN. FRANCESCO CIRELLI, Philadelphia, Pa. Filed May 18, 1926. Serial No. 109,643. 6 Claims. (Cl. 181—27.)

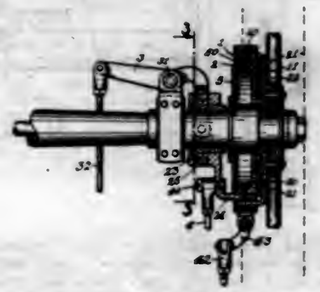


3. A horn having a part of non-uniform taper joined to a part of uniform taper, the radius of the horn at the point of juncture being substantially equal to one-ninth of the largest diameter of the first mentioned part, the length of said part being substantially equal to five and one-third times the diameter at the juncture point, the length of the uniformly tapering part being substantially equal to fifteen and one-fourth times the diameter at the juncture point, the free end of said part being substantially equal to one-sixth of the diameter at the juncture point, the first mentioned part being curved to a right angle to the second mentioned part, the curving beginning at the point of juncture, and the second mentioned part having a series of convolutions disposed at right angles to the axis of the uniformly tapering part.

1,637,439. EYE-PROTECTIVE GLASS. WILLIAM WEBER COBLENTZ, Washington, D. C., assignor to Secretary of Commerce of the United States, as trustee for the Government of the United States and the People of the United States. Filed June 10, 1926. Serial No. 115,110. 4 Claims. (Cl. 106—36.1.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

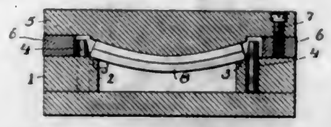
2. As a new article of manufacture a glass containing the usual glass-making constituents and sufficient cobalt oxide to give a blue color equivalent to blue 20 + 8 on the Lovibond scale and sufficient cerium oxide to stop the ultra-violet rays.

1,637,440. POWER DEVICE FOR OPERATING CAR BRAKES. CHARLES W. COLLINS, Seattle, Wash. Filed July 13, 1926. Serial No. 122,064. 4 Claims. (Cl. 188—140.)



1. In a brake operating mechanism for automobiles, having a brake drum secured upon a wheel and a brake acting upon said drum, the combination with said drum of a friction clutch device having a friction member carried by and within said drum, a complemental friction member mounted within the drum to oscillate about the wheel axis, a link pivotally connected with said oscillable member and operatively connected with the brake applying mechanism, a grooved hub connected with the oscillable clutch member, a yoke lever engaging said hub by its groove and manually operable means for operating said lever to engage the friction surfaces of the clutch device.

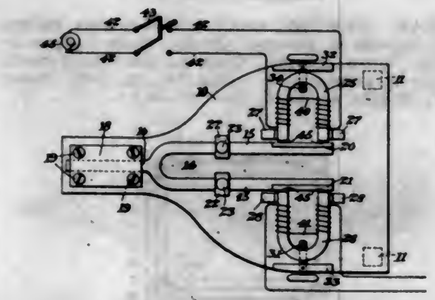
1,637,441. MOLD FOR COMBINATION HEELS. LEON B. CONANT, Cambridge, Mass., assignor to George M. Conant, Bridgewater, Mass. Filed July 12, 1926. Serial No. 121,958. Renewed Apr. 28, 1927. 7 Claims. (Cl. 18—42.)



1. A mold for combination heels, comprising a centreplate having a shoulder flush with the upper surface thereof, a backplate co-operating therewith, and means for positioning a heel base relative to the centreplate, said positioning means consisting of pins projecting from one of said plates.

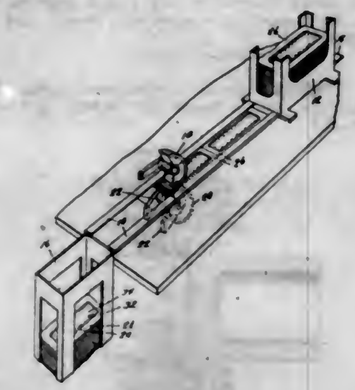
1,637,442. ALTERNATING-CURRENT SELECTOR. HERBERT GROVE DORSEY, Gloucester, Mass., assignor to John Hays Hammond, jr., Gloucester, Mass. Filed Oct. 12, 1917. Serial No. 196,302. Renewed Feb. 20, 1924. 3 Claims. (Cl. 177—353.)

1. The combination of a tuning fork comprising a pair of prongs having the same predetermined rate of vibration, an electro-magnet having its poles in close proximity to a single prong of said fork whereby said fork is influenced by the electro-magnet, a circuit including said electro-magnet and means having the same frequency as the prongs for controlling the current flow in



said circuit, a second electric circuit and means controlled by the vibration of the second prong for generating alternating current in said second circuit of a frequency determined by the vibration of the first prong.

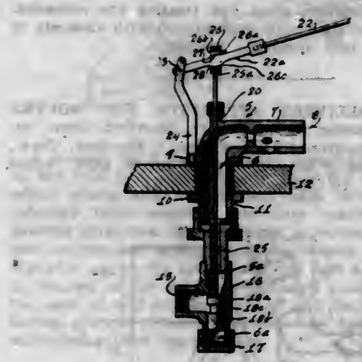
1,637,443. STENCIL MACHINE AND STENCIL THEREFOR. HARMON P. ELLIOTT, Watertown, Mass. Filed Jan. 13, 1927. Serial No. 160,871. 6 Claims. (Cl. 101—52.)



4. The combination of a stencil having a strong inflexible frame provided with a window therein, a thin flexible stencil sheet attached to said frame over the window, and superposed driving sectors for said stencils and adapted to engage and drive the stencil between them and characterized by each having a width greater than the width of said window and overlying and exerting a driving force on the frame only of said stencil and preserving said thin stencil sheet free from any substantial driving force.

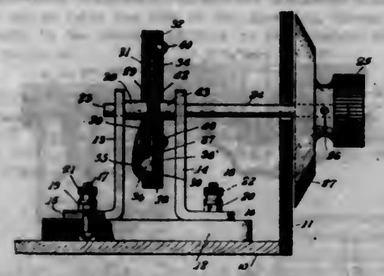
1,637,444. SNAP-ACTION VALVE FOR FLUSH TANKS AND THE LIKE. HARRY C. EUSTIS, Los Angeles, Calif. Filed May 8, 1926. Serial No. 107,682. 1 Claim. (Cl. 137—104.)

In a float actuated valve, a valve body provided with a longitudinal bore, a second bore intersecting said longitudinal bore at an angle; said body providing a valve seat above the intersection of said second bore, a valve member in said longitudinal bore movable to open and closed positions, respectively; comprising a lower cylindrical member closely fitted in said longitudinal bore below said point of intersection, a reduced diameter inter-



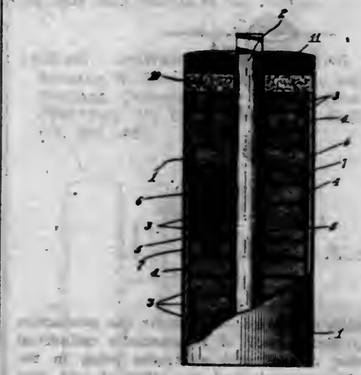
mediate portion above said lower cylindrical member, and an upper cylindrical member above the intermediate portion; the lower termination of the upper cylinder being disposed in alignment with said second bore when the valve is moved to closed position.

1,637,445. VARIABLE MICA CONDENSER. ALBERT W. FRANKLIN, New York, N. Y., assignor to Chas. Freshman Co. Inc., New York, N. Y., a Corporation of New York. Filed Oct. 11, 1923. Serial No. 667,879. 2 Claims. (Cl. 175—41.5.)



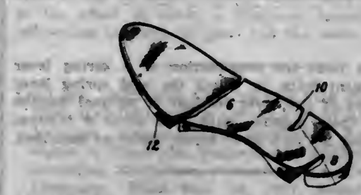
1. A variable condenser, comprising liquid condenser plates of variable area, separated by a dielectric plate, said condenser plates mounted in dielectric containers, said dielectric plate and containers secured to each other, and shafts placed in tandem relation forming electrical conductors from each of the condenser plates.

1,637,446. DRY CELL. WILLIAM F. HENDRY, Ossining, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed July 30, 1923. Serial No. 654,611. 14 Claims. (Cl. 136—136.)



1. In a dry cell, layers of depolarizing mixture, a carbon electrode surrounded by and a zinc electrode surrounding said layers, and extensions of said carbon electrode projecting between said layers towards the zinc electrode.

1,637,447. SHOE. MATHEW HILGERT, New York, N. Y. Filed Nov. 23, 1921. Serial No. 517,248. 8 Claims. (Cl. 36—43.)



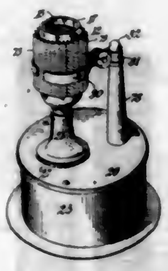
1. A shoe having a detached, non-metallic, filler piece inserted therein, said filler piece having a smooth lower surface and being of a length substantially shorter than the inside length of the shoe and having a taper at its forward extremity more abrupt than that of the insole of the shoe so as to permit the forepart of the filler piece to slide relatively to the insole of the shoe without wrinkling or buckling as the sole of the shoe is flexed during walking.

1,637,448. AIR-PURIFYING DEVICE. BENNO F. JANCKE, Brooklyn, N. Y., assignor, by mesne assignments, to Hallwell-Shelton Electric Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,092. 9 Claims. (Cl. 167—3.)

1. An air purifying device, comprising electrodes adapted for the production of ozone, one of said electrodes comprising a liquid receptacle adapted to be heated by the discharge from said electrodes, whereby liquid contents thereof may be volatilized.

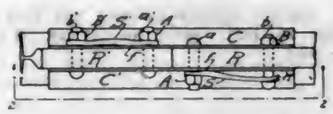
7. An air purifying device for chamber use, comprising an exposed electrode adapted for the production of ozone, means for supplying said device with current from a lighting circuit, and means for transforming said current

to one of a high voltage and high frequency at said electrode, whereby a high potential heating and discharge current without dangerous effect on the human system may be produced at said electrode.



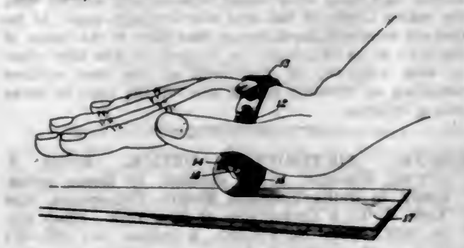
9. An air purifying device adapted for the production of ozone, comprising a pair of substantially cylindrical spaced electrodes, one of said electrodes being in the form of a liquid receptacle and the other of said electrodes having a spinose surface.

1,637,449. RAIL JOINT. FRANK C. KRONAUER, Glen Rock, N. J. Filed Mar. 28, 1927. Serial No. 179,132. 11 Claims. (Cl. 238—259.)



1. In a rail joint the combination of a spring lever element and joint bolts, in which the said spring lever element consists of two lever sections of unequal lengths that form at their junction with each other a fulcrum about which they act as a lever substantially as described.

1,637,450. HAND ROLLER. FREDERICK H. MARTIN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 12, 1925. Serial No. 68,627. 1 Claim. (Cl. 216—61.)

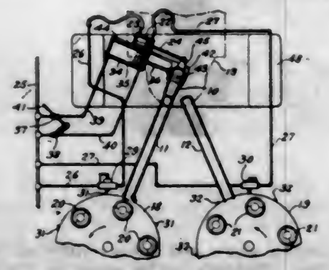


A hand-roller comprising a roller-mounting having a substantially flat face adapted to fit the palm of the hand, and an abutment face curved out of the plane of said flat face and adapted to be engaged by the portion of the hand nearer the wrist, means for securing said mounting to the hand, and a pressure roll journaled on said mounting near the center thereof.

1,637,451. PROCESS OF TREATING ALUMINOUS ORES. RICHARD MOLDENKE, Watchung, N. J. Filed July 9, 1925. Serial No. 42,579. 6 Claims. (Cl. 23—148.)

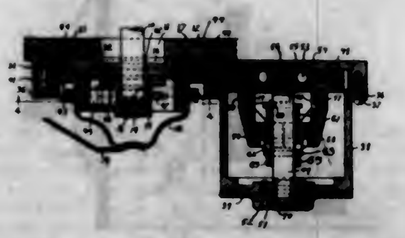
4. In the process of recovering aluminum from alunite ore, the steps which comprise converting a portion of the aluminum in said ore into a potassium alum, separating the potassium alum therefrom, converting the remaining portion of the aluminum contained in said ore into an ammonium aluminum alum and treating the potassium alum and ammonium alum thus formed with ammonia to convert same into aluminum hydrate.

1,637,452. DELIVERY APPARATUS FOR MOLTEN GLASS. ERNEST G. NELSON, Jr., Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Jan. 6, 1926. Serial No. 79,563. 10 Claims. (Cl. 49—55.)



1. A glass delivering apparatus adapted to receive charges of molten glass from a glass feeder and deliver them to a plurality of glassware shaping machines, comprising a deflector, a movable support for the deflector, means for moving the deflector on said support to deliver charges of glass alternately to the shaping machines, and means for moving the support and the deflector bodily into and out of glass-receiving position.

1,637,453. GOVERNOR FOR TRACTOR ENGINES. OTTO T. NICHOL, Omaha, Nebr., assignor of one-half to Albert H. Becker, Council Bluffs, Iowa. Filed Jan. 3, 1927. Serial No. 158,599. 5 Claims. (Cl. 123—195.)



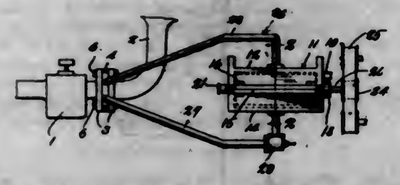
1. In a governor mechanism for Fordson tractor engines, a cupped gear adapted to fit upon the engine camshaft in the normal location of the commutator-brush-assembly, a commutator-brush mounted upon said gear at the cupped front side thereof, a governor-casing inclosing said gear and having a cupped front portion extending into the cupped side of the gear, said portion of the casing having an opening therein through which the gear-hub and commutator-brush extend, there being formed in the casing about said opening a seat for retaining a commutator-case in operative relation with said commutator-brush, and means for securing said casing upon the front-cover of the engine.

1,637,454. BUMPER BAR AND REAR FENDER FOR AUTOMOBILES. FRANK PEACOCK, Croydon, near Sydney, New South Wales, Australia. Filed Nov. 24, 1925, Serial No. 71,042, and in Australia Dec. 10, 1924. 1 Claim. (Cl. 293—55.)



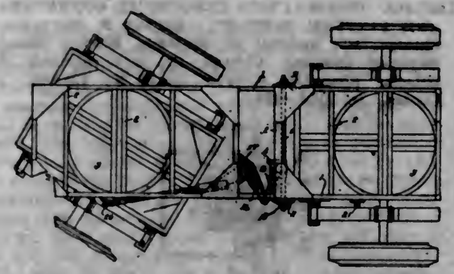
A bumper for a motor vehicle comprising a plurality of flat steel bars disposed with their flat sides in horizontal planes and having their ends curved edgewise, thimbled bolts securing said bars spaced apart and parallel with each other to form a vertical rack, a flat steel carrier bar having forwardly looped ends disposed edgewise rearwardly of said flatwise bars and adapted to be secured to the vehicle frame, and clamps embracing the ends of said carrier bar and said flatwise bars and having portions extending between the flatwise bars for maintaining them spaced apart.

1,637,455. ATTACHMENT FOR CARBURETORS. CHARLES POWELL, Pueblo, Colo. Filed Dec. 29, 1925. Serial No. 78,171. 1 Claim. (Cl. 48—180.)



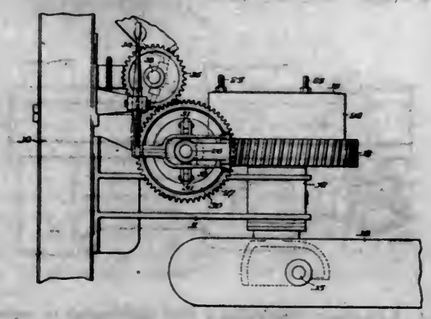
In a device of the class described, a gasket and means for mounting the gasket in the fuel intake line of an internal combustion engine, a loop-shaped conduit opening through the gasket at spaced points, a power-driven rotary mixing device in the conduit, and an imperforate partition disposed in the gasket between said points, the partition constituting means for deflecting the whole fuel charge from one side of the partition, through the conduit, to the mixer, and back to the opposite side of the partition.

1,637,456. STEERING GEAR FOR TRAILERS. FREDERICK MALCOLM RIBB, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 4, 1925. Serial No. 66,707. 3 Claims. (Cl. 280—98.)



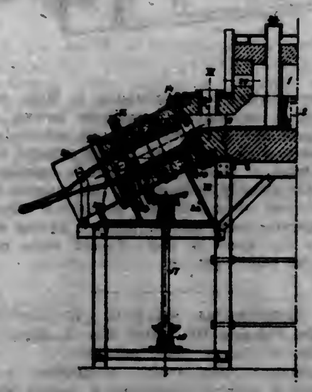
1. In a steering device for attachment to the frame of a vehicle which has a cross member of I-beam construction, a steering unit carried by the frame and including a pair of members for engagement with opposite sides of the web of the I-beam, and means for holding the members in position consisting of a plate connecting the two members and engaging under the flange of the I-beam means for reciprocating the unit, and means connecting the unit with wheels of the vehicle.

1,637,457. POWER BOOM-SWINGING MECHANISM. RICHARD W. RUNOE, Oshkosh, Wis., assignor to Leach Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed July 17, 1925. Serial No. 44,252. 4 Claims. (Cl. 212—68.)



1. A mechanism for swinging a pivotally mounted boom, including a power operated gear mounted in axial alignment with the pivotal axis of the boom, a set of friction disks in non-rotatable association with the gear, another coacting set of friction disks in non-rotatable association with the boom, and springs for pressing the disks of one set into frictional engagement with the disks of the other to effect a frictional torque transmitting connection between the gear and the boom.

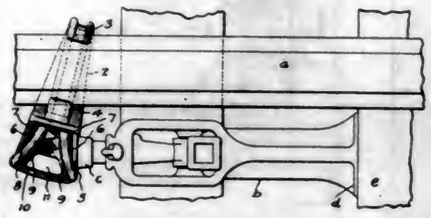
1,637,458. METHOD AND MEANS FOR THE CONTINUOUS MANUFACTURE OF GLASS TUBES OR RODS. PANCRAS SCHOONENBERG, Eindhoven, Netherlands, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Limited Liability Company. Filed Nov. 23, 1921, Serial No. 517,418, and in the Netherlands Dec. 2, 1920. 6 Claims. (Cl. 49—17.)



1. The method of continuously drawing glass tubes which comprises permitting molten glass to flow into a hollow glass forming member inclined towards its dis-

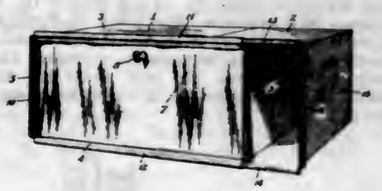
charge opening, causing the glass to be distributed on the inner surface of said hollow member by rotating said member so that the glass flows towards the discharge opening by gravity, and always maintaining the interior of the tube out of contact with any solid during the formation of the tube, the glass being then drawn from the discharge opening of the member.

1,637,459. TIE SPACER. FRANK H. SCHWERIN, Bellevue Borough, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1926. Serial No. 140,233. 6 Claims. (Cl. 254—43.)



1. A tie-spacer comprising a yoke constructed to extend across under and to grip the base flanges of a rail by skewing horizontally thereon, and having at one end a symmetrical upstanding head, said head having on opposite sides supporting ledges and curved pockets adapted to retain a jack head at the various angles which the spacer may assume on rails of different sizes.

1,637,460. WINDOW REFRIGERATOR. JOSEPH C. SPARROW, Cleveland, Ohio. Filed Feb. 9, 1925. Serial No. 7,792. 1 Claim. (Cl. 45—104.)



A window refrigerator comprising a main member consisting of a rectangular receptacle having a top, a bottom, back and two end walls all relatively fixed with relation to each other, and a door adapted to form a complete front of such member; and a laterally positioned member slidably mounted on the exterior of said main member and adapted to vary the lateral dimensions of the refrigerator, said slidable member having a depth substantially the same as that of said main member, and having its front open.

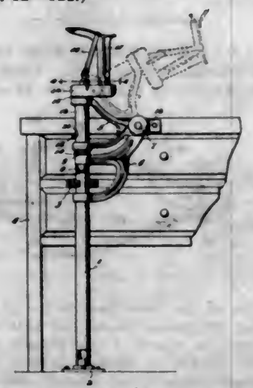
1,637,461. ELECTRICAL SWITCH. WILLIAM FRANKLIN WELLS, Chicago, Ill. Filed Mar. 8, 1926. Serial No. 93,116. 6 Claims. (Cl. 200—67.)

1. An electrical snap switch comprising a frame equipped with a pair of terminals, a switch lever for the latter pivotally mounted on said frame, a hand-lever pivotally mounted on said frame, a spring held toggle lever pivotally associated at its ends with said switch lever and said hand-lever, a pair of spaced stop formations on said switch lever disposed for alternate engagement by the middle portion of said toggle lever and disposed upon opposite sides of a radius of the



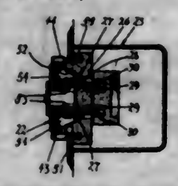
pivotal axis of said switch lever, the pivotal axis of said toggle lever on said switch lever being disposed laterally of said radius.

1,637,462. COBBLER'S JACK. JEAN A. YOUNG, Millville, N. J. Filed Mar. 26, 1926. Serial No. 97,742. 3 Claims. (Cl. 12—123.)



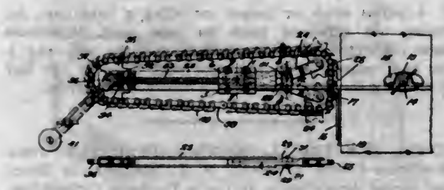
1. In a cobbler's jack, a post, a lower bracket comprising spaced arms, one of the arms extending over the post and having a depending portion entering the post and the other arm being apertured to receive the post which passes therethrough, an upper bracket pivoted to the lower bracket and including spaced arms, a last carrier having a hollow shank mounted in the arms of the upper bracket, and a work holder including a member within the said shank and a strap extending through the shank and the top of the last carrier.

1,637,463. COMBINATION ELECTRICAL CONNECTER AND FIXTURE SUPPORT. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 6, 1920. Serial No. 428,443. 3 Claims. (Cl. 173—338.)



1. A receptacle for cooperation with a plug-in device, which plug-in device has a pair of contact blades, said receptacle having a pair of contact devices for cooperation with said contact blades respectively, each of said contact devices comprising two elongated members extending transversely of the blades between which the blades are received, one of said elongated members being substantially rigid, and the other being a bow spring, said rigid portion having its central portion on one side of the bow spring and its ends on the other side of the bow spring.

1,637,464. MORTISING MACHINE. JOSEPH C. BIANCA, Jr., Scranton, Pa. Filed Oct. 2, 1924. Serial No. 741,238. 1 Claim. (Cl. 144—73.)



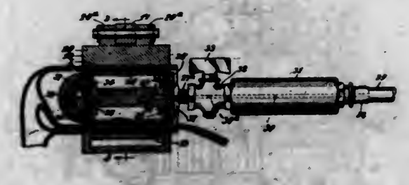
A portable mortising machine including a main frame, a supporting beam mounted on the frame and adapted to be moved longitudinally thereof, a pair of arms pivotally carried at one end of the beam, sprockets mounted on the free ends of the arms, a removable spacing member connected with each arm, each spacing member having a shoulder to engage the adjacent arm to hold the arms in spaced relation with each other, an endless cutting member operating over the sprocket wheels and adapted to urge the arms inwardly against the spacing members, and means for operating the cutting members.

1,637,465. TUBULAR-MOLDING APPARATUS. EDWIN W. BIERMAN, Keokuk, Iowa, assignor to Standard Four Tire Co., Keokuk, Iowa, a Corporation of Iowa. Filed July 14, 1925. Serial No. 43,453. 8 Claims. (Cl. 18—38.)



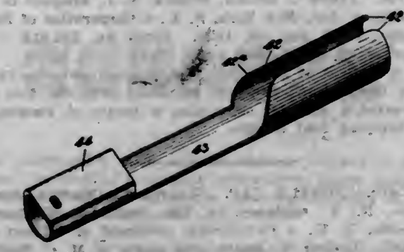
1. Apparatus for vulcanising rubber tube splices, including a hollow steam heated mold formed with a rigid cylindrical inner wall and having a narrow, longitudinally extending key segment that is radially removable to afford a longitudinal slot through which a cuffed endless tube may be inserted for contact of the splice with the cylindrical inner walls of said mold and key, in combination with a loose pivotal mounting for the key upon the mold for swinging the key into and out of the slot in parallelism therewith, the outer part of said slot being substantially wider than the key, the inner slot engaging surfaces of the key being approximately the same size and taper as the slot, and the outer part of the slot being substantially wider than the key to afford clearance for such swinging movement of the key, and said parts being formed with cooperating gauge elements operating as stop to position the inner, tube-engaging surface of the key flush with the corresponding inner surface of the mold.

1,637,466. TUBE-SPLICING METHOD. EDWIN W. BIERMAN, Keokuk, Iowa, assignor to Standard Four Tire Co., Keokuk, Iowa, a Corporation of Iowa. Original application filed July 14, 1925, Serial No. 43,453. Divided and this application filed Apr. 17, 1926. Serial No. 102,641. 5 Claims. (Cl. 18—18.)



1. The method of curing tube splices which includes folding the tube upon itself to form a two-ply cuff surrounding a section of the tube and with the splice in the outer ply of the cuff, inserting the cuffed tube within a heated mold and inserting an expander within the cuff in such a manner that the expander is surrounded for a semi-circumference only by the two plies of the cuff and through its other semi-circumference by the two plies of the cuff and the two plies of tubing which are enclosed within the cuff, and operating the expander to firmly press the splice into engagement with the hot walls of the mold.

1,637,467. CUFFING DEVICE FOR INNER TUBES. EDWIN W. BIERMAN, Keokuk, Iowa, assignor to Standard Four Tire Co., Keokuk, Iowa, a Corporation of Iowa. Original application filed July 14, 1925, Serial No. 43,453. Divided and this application filed Apr. 17, 1926. Serial No. 102,642. 3 Claims. (Cl. 18—18.)

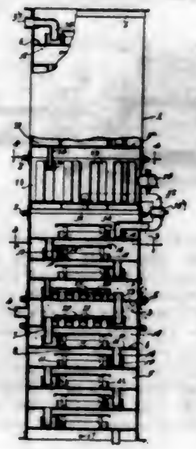


1. As a new article of manufacture, a cuffing device for an endless tube, including an approximately cylindrical tube-folding guide having a relatively wide slot therein through which the endless tube is adapted to be inserted prior to being folded back over the guide, said guide being of small diameter in comparison to the endless tube to be cuffed by it, thus permitting ready removal of the cuffed tube, and a shank forming a continuation of one side of the cylindrical guide member and terminating in a handle.

1,637,468. CONTACTING MEANS. HALBERT EVANS BONER, Los Angeles, Calif. Filed Apr. 21, 1926. Serial No. 103,464. 16 Claims. (Cl. 196—100.)

2. In a fractionating tower, the combination of a receiver for crude oil, a stripper section with screens, means for conducting crude oil from the receiver into the stripper section and for guiding the same to flow across the screens, means for passing a heated vapor or gas up through the screens to vaporise the heavier fractions, a re-boiler above the receiver, a fractionating section above the reboiler and having screens, means for conducting the vapors from the stripper section through the oil

receiver, through the re-boiler and through the screens of the fractionating section, means for guiding condensate of substantially the desired fraction across the screens

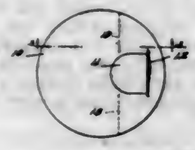


of the fractionating section and into the re-boiler, and means for leading off the vapors from the fractionating section.

1,637,469. HAIR-TREATING METHOD AND COMPOSITION. JAMES C. BROWN, Newark, N. J., assignor to E. Frederics, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 26, 1926. Serial No. 131,813. 16 Claims. (Cl. 132—36.2.)
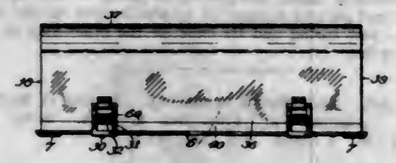
5. A method of imparting a permanent wave to hair, which includes bringing into proximity with the hair to be treated a material containing a borate of ammonia, and applying heat thereto.

1,637,470. BOTTLE CAP. WALTER L. CHAPLIN, Syracuse, N. Y., assignor to The Smith-Lee Company, Oneida, N. Y., a Partnership composed of Wilbert L. Smith, Hurlbut W. Smith, and estate of M. C. Smith. Filed July 24, 1924. Serial No. 728,030. 1 Claim. (Cl. 215—51.)



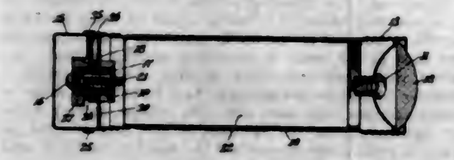
A bottle cap consisting in a paper board disk having on its upper surface a lifting tab which is formed of an integral portion of the disk, that part of the disk beneath the tab being thinner than the remainder of the disk, the tab being separated from the disk excepting at its outer edge and said cap being creased between the tab and its margin on alined lines substantially parallel to the outer connected edge of the tab, said thin portion of the tab and said creases cooperating to form a hinge line across the cap, for the purpose set forth.

1,637,471. SAFETY BURIAL VAULT OR CASKET. JOHN Q. CLARKE, Crawfordsville, Ind. Filed July 28, 1924. Serial No. 728,576. 12 Claims. (Cl. 27—6.)



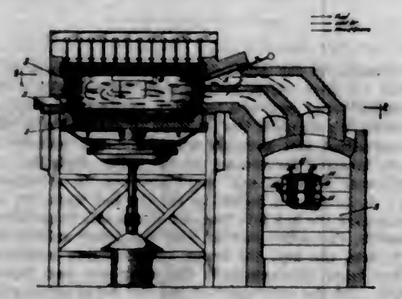
1. A burial vault or casket including a base part, an open-top bed arranged upon the base part, adjustable clamps connected to the base part and the bed, and a cover part connected to the base part clear of the bed and entirely covering the bed at a distance therefrom.

1,637,472. ELECTRICAL TESTING APPARATUS. JOHN MAXWELL COOTE, Elizabeth, N. J., assignor, by direct and mesne assignments, to Coote Products Corporation, New York, N. Y., a Corporation of New York. Filed June 21, 1921. Serial No. 479,332. 4 Claims. (Cl. 175—183.)



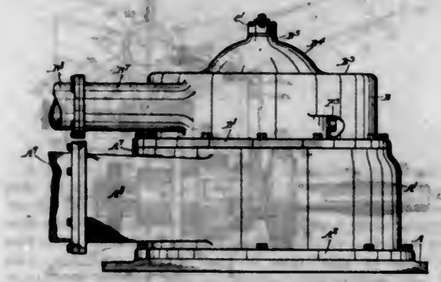
1. Combined testing apparatus and flash lamp, comprising a metallic container provided at one end with a lamp and at the opposite end with a rotatable contact-making test receptacle adapted to receive directly the member to be tested, and an electric battery included between said ends, one pole being electrically connected to the lamp and the other adapted to be connected with the container thru said rotatable means when the same is rotated sufficiently.

1,637,473. FURNACE AND METHOD OF OPERATING THE SAME. ALBERT L. CULBERTSON, Mount Vernon, Ohio, assignor to The Chapman-Stein Furnace Co., Mount Vernon, Ohio, a Corporation of Ohio. Filed Jan. 20, 1926. Serial No. 82,423. 10 Claims. (Cl. 49—53.)



1. A furnace having a hearth, a heating chamber disposed above said hearth, means for moving the hearth relative to the chamber, and inlet and outlet ports for heating gases located at different levels on one side of said chamber to cause the gases to pass across the hearth at one level, turn, and then pass back across the hearth at another level before leaving the chamber.

1,637,474. TURBO BLOWER. CHARLES W. DAKE, Chicago, Ill. Filed Apr. 5, 1926. Serial No. 99,780. 11 Claims. (Cl. 230—11.)

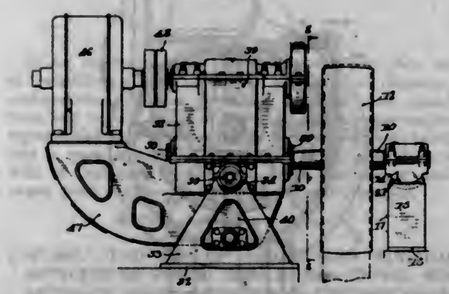


1. In a turbo blower having turbine and blower housings, a rotor interposed between and forming a partition between them, and a bearing support for the rotor mounted on the wall of the turbine housing, extending therethrough and into but out of contact with the blower housing.

1,637,475. WAX EMULSION. LEWIS DAVIS, Worcester, and ELMER W. BENNETT, Westboro, Mass., assignors to Davis & Bennett, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 2, 1924. Serial No. 753,430. 2 Claims. (Cl. 87—9.)

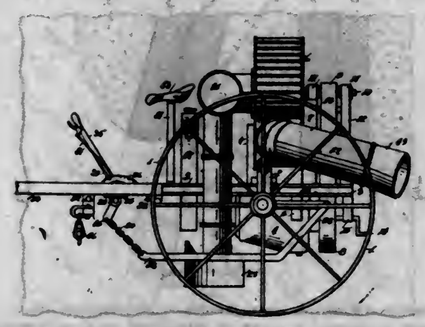
1. A dispersoon consisting of carnauba wax dispersed in water, and a mixture of sodium and potassium stearates serving as the dispersing agent.

1,637,476. ELEVATOR DRIVE. PERCY C. DAY, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 8, 1921. Serial No. 520,843. 7 Claims. (Cl. 74—7.)



1. In an elevator head the combination of a shaft, a belt supporting pulley carried by said shaft intermediate the ends thereof, a vertically adjustable support for one end of said shaft, a gear casing supporting the other end of said shaft, gears in said casing for driving said shaft, and a pivotal support for said casing permitting said pulley, shaft and gears to be adjusted as a unit to effect proper tracking of said pulley.

1,637,477. INSECT-EXTERMINATING MACHINE. VERNON NEVILLE DELGADO, Waco, Tex. Filed Sept. 1, 1925. Serial No. 53,810. 4 Claims. (Cl. 43—140.)



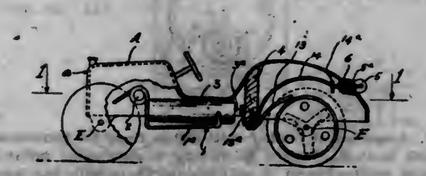
1. In an insect exterminating machine, the combination with a wheeled supporting frame of a bladed fan mounted on said frame of a coniform baffle plate adjacent the blades of said fan; of a pipe in communication with said fan laterally disposed across said frame having a plurality of flexible suction conduits depending therefrom; of means for driving said fan operative to extract insects and other infested particles from vegetation and convey same into the blades of said fan as said machine is drawn thereover, and means for discharging the masses of matter against an adjacent row of said vegetation.

1,637,478. MUSICAL-INSTRUCTION TOY-APPARATUS. MONA DOWNS, Glendale, Ohio. Filed May 20, 1925. Serial No. 31,653. 1 Claim. (Cl. 84—471.)



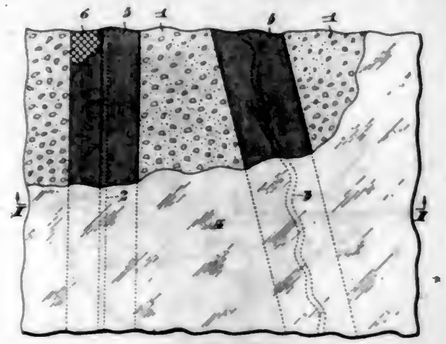
In combination with a board element marked to represent the staff of a musical composition, pieces adapted to represent the key signatures, and opposite sides of the pieces marked to represent related keys.

1,637,479. ELECTRIC TOY. HARRY C. EVELYN, Chicago, Ill. Filed Sept. 19, 1925. Serial No. 57,287. 6 Claims. (Cl. 46—48.)



1. In a wheeled toy the combination of a lighting circuit for said toy including a lamp, a battery and a rotative switch for controlling said circuit, comprising a body member adapted to revolve on its axis in the propulsion of the toy, and provided with chambers radiating from its axis, a mass of mercury adapted to flow from chamber to chamber in the rotation of said body member, and terminals located in the path of said mass of mercury and electrically connected in said circuit.

1,637,480. PAVING CONSTRUCTION. ROBERT B. GAGE, Trenton, N. J. Filed Sept. 3, 1926. Serial No. 133,362. 4 Claims. (Cl. 94—18.)

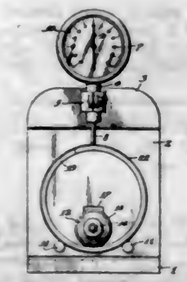


4. A paving construction comprising a foundation containing joints, a wearing surface, and joint coverings in the shape of flat stregthening strips positioned above the joints in said foundation and secured in place by the said wearing surface.

1,637,481. METHOD OF PRODUCING MERCURY. WALTER GLAESER, Brooklyn, N. Y. Filed Nov. 14, 1924. Serial No. 750,000. 3 Claims. (Cl. 75—22.)

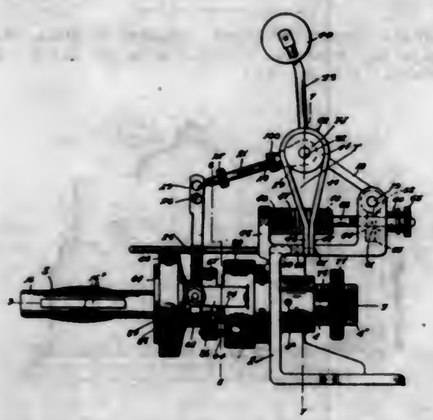
1. In a method of extracting mercury from finely divided cinnabar ore, the step which consists in reacting upon such ore with a hypochlorite of an alkaline or alkaline earth metal and a metal, thereby liberating mercury and forming an amalgam with the metal present.

1,637,482. METHOD AND APPARATUS FOR TESTING PISTON RINGS. HARRY S. GRAVES, Detroit, Mich., assignor to Spiral Piston Ring Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 8, 1925. Serial No. 61,210. 3 Claims. (Cl. 33—147.)



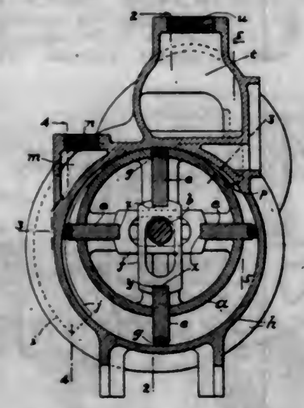
1. A method of testing split piston rings for roundness, which method consists in making a continuous uninterrupted resilient band of uniform thickness with the inner diameter of the band corresponding to the diameter of a cylinder wall, holding the band at its outer wall so that said band cannot yield, placing a split ring under compression in the held band, then releasing the held band so that said band inclosed ring may be handled as a unit, and then rotating the band inclosed ring relative to an indicator engaging the outer wall of the band so that the indicator will show imperfections in the contour of the band corresponding to similar imperfections in the ring inclosed by the band.

1,637,483. TENSION DEVICE. MARTIN B. GROUT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 5, 1925. Serial No. 6,959. 20 Claims. (Cl. 242—156.)



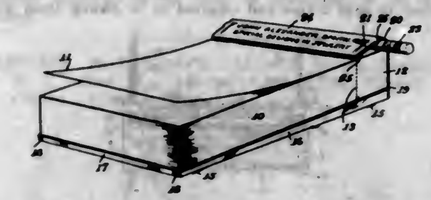
1. In a winding machine, of the character described, including a rotatable spool holder and a source of wire supply, a winding mandrel, a pivoted rocking element having a to-and-fro movement, a toggle joint supporting said rocking element, a plurality of springs provided with adjustable tensioning means, and means controlled by the tension on the strand of wire between the said wire supply and the said winding mandrel for actuating said pivoted-rocking element to operate said toggle to control said rotatable spool holder, said springs in association with said means maintaining a constant tension upon said strand.

1,637,484. VACUUM PUMP. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1924. Serial No. 710,730. 8 Claims. (Cl. 230—30.)



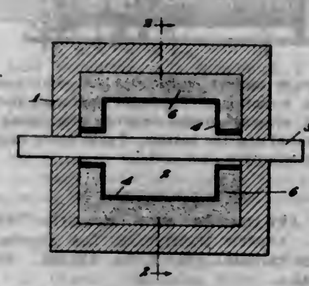
1. In a vacuum pump of the sliding vane type, the combination with a driving shaft, a rotor mounted thereon and oppositely disposed vanes extending through slots in the rotor and slidable radially therein, of a housing enclosing the rotor and vanes and having a true circular bore whose center is offset relatively to the center of the shaft, and slidable spacers between oppositely disposed vanes limiting the approach of such vanes toward each other but permitting their relative recession.

1,637,485. DESK-PAD HOLDER. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Apr. 1, 1926. Serial No. 98,994. 1 Claim. (Cl. 24—66.)



A pad holder comprising a flat base plate to receive a pad, an upright wall at one end of said plate, a downwardly inclined shelf blended by a curved connection with said wall, said shelf having end notches, a plate overlying said shelf folded to engage longitudinally over its front edge, and tabs on the ends of said plate to enter the mentioned notches and be clinched therebelow, the forward edge of said plate presenting a smoothly finished surface pressing on the top of a pad on said base due to the resilience of said shelf.

1,637,486. ELECTRIC FURNACE. JAMES KELLEHER, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation, a Corporation of New York. Filed July 17, 1925. Serial No. 44,183. 2 Claims. (Cl. 204—64.)

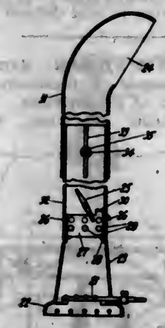


1. An electric furnace comprising end and side walls of refractory silicon material enclosing a chamber, a carbonaceous resistor extending through said chamber from end to end, an inner lining of carbonaceous material surrounding said resistor and forming a chamber therefor, and a packing between the inner lining and the outer wall of sufficient thickness to avoid entrance of silicon vapor from said walls into said resistor chamber.

1,637,487. PROCESS OF SIZING AND FINISHING ARTICLES OF FIBER. FRED M. KERN, Detroit, Mich., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 5, 1923. Serial No. 673,041. 3 Claims. (Cl. 51—278.)

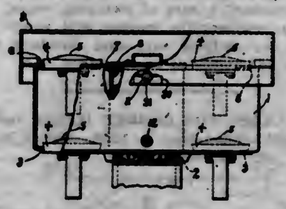
1. The method of sizing and finishing an article of fiber which comprises grinding the article with an abrasive element, and simultaneously supplying to the fiber article and the abrasive element a medium containing a non-aqueous liquid which will preserve the surface finish and shape of the fiber article and maintain the abrasive element freely cutting.

1,637,488. HEATER AND DRIER. OTTO A. KNOPP, Oakland, Calif. Filed June 4, 1925. Serial No. 34,922. 5 Claims. (Cl. 34—26.)



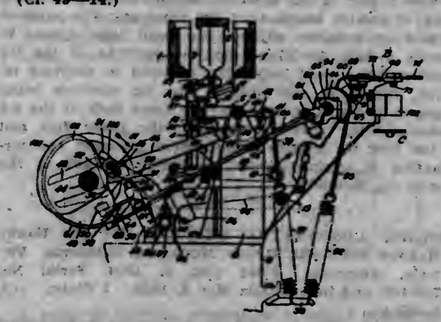
1. In combination, a room heater, a tubular extension projecting above the heater to direct a current of heated air from the heater to a point above the heater, and means for throttling this current of air and for permitting it to be transmitted into a room adjacent the heater.

1,637,489. BREATHER VALVE. JOHN KUHL, San Francisco, Calif., assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif., a Corporation of Delaware. Filed Nov. 25, 1924. Serial No. 752,276. 1 Claim. (Cl. 220—85.)



A breather valve comprising a body having a hood loosely adapted to fit the body and being spaced therefrom, pressure and vacuum relief valves secured within the body, a flash arrester, means for connecting the said body to a container, and a chamber surrounded by the flash arrester through which the pressure or vacuum is transmitted to the said relief valves.

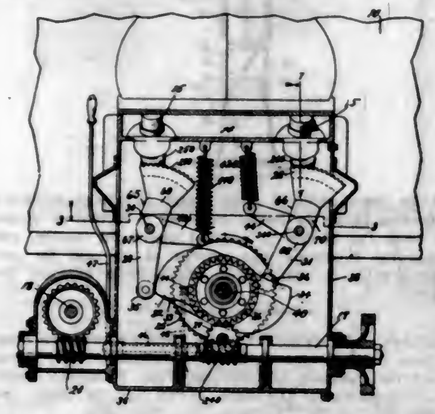
1,637,490. GLASSWARE-TRANSFERRING DEVICE. EDWARD H. LORENZ, West Hartford, and JOHN DAVIS, East Hartford, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 25, 1925. Serial No. 52,344. 12 Claims. (Cl. 49—14.)



1. In combination with a glass shaping mold, a take-out device including means for removing ware from said

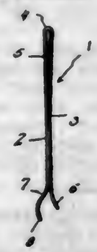
mold and conveying it laterally a portion of the distance toward a delivery station, and means for receiving the ware from the first-mentioned means and conveying it the remainder of the distance to said delivery station.

1,637,491. LOCOMOTIVE STOKER. NATHAN M. LOWER, Pittsburgh, Pa., assignor to Locomotive Stoker Company, a Corporation of Pennsylvania. Filed Jan. 17, 1925. Serial No. 3,026. 11 Claims. (Cl. 110—113.)



10. In a stoker, a pair of swinging vanes, means including cam members for moving said vanes forwardly, and means for shifting said cam members to operate one vane to the exclusion of the other.

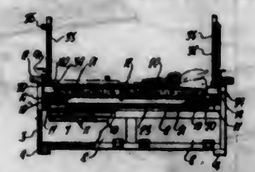
1,637,492. CLASP FOR BOBBED HAIR. JOHN D. LUI, Napa, Calif. Filed May 3, 1926. Serial No. 106,328. 1 Claim. (Cl. 132—50.)



A clasp for bobbed hair formed of a single strand of resilient wire which is bent intermediate its ends to provide a pair of leg members, one of said leg members being of greater length than the other one, the portions of said leg members adjacent the bend being spaced to provide a hair receiving loop, the portions of the leg members below said loop being disposed in abutting relation, the lower free ends of the leg members being disposed in diverging relation, the lower ends of the leg members being curved outwardly, the lower free end of the long leg member being curved inwardly and terminating at a point below the lower free end of the shorter leg member.

1,637,493. COMBINATION BED AND COUCH. HARRY MANOTT and JOHN HENRY MCGRATH, Melbourne, Victoria, Australia. Filed Aug. 6, 1924, Serial No. 730,465, and in Australia May 3, 1924. 1 Claim. (Cl. 5—53.)

In a convertible bed and couch, a couch body having upstanding arms at its ends, each arm including a hand rail, and a back including an open frame pivotally mounted between said arms and adapted to be swung from an upright position at the back of the couch body to a lowered position resting thereon between the arms, upholstery covering the front of said frame, a spring mounted in said frame and adapted to support a mattress in the rear portion of the frame, and members pivoted to said frame and adapted to be swung from an



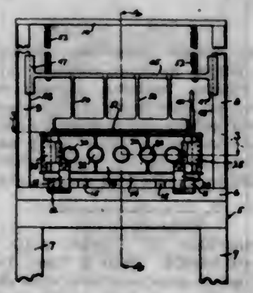
upright to a lowered position in overlying relation to the frame and a mattress carried thereby, latch rods rotatably carried by said end members and having upper and lower arms and adapted to be rotated by the upper arms to move the lower arms into and out of position to engage beneath the hand rails of said arms and retain the end members elevated, and means to releasably secure the end members lowered.

1,637,494. ICE-BOX CONSTRUCTION. ROBERT GEORGE MARSH, Detroit, Mich. Filed Sept. 10, 1923. Serial No. 661,859. 1 Claim. (Cl. 62—31.)



An ice cream cabinet comprising an outer casing, an inner casing, a lining of insulation material about said inner casing, spacing means between the lining of insulation material and the bottom of said outer casing, and a drain connection for each casing.

1,637,495. APPARATUS FOR MOLDING PLASTIC BLOCKS. ANDREW MARTINDALE, Los Angeles, Calif. Filed May 29, 1926. Serial No. 112,441. 3 Claims. (Cl. 25—41.)



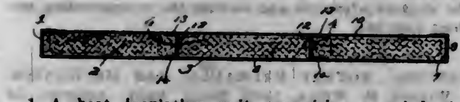
3. A machine for forming plastic blocks comprising a base support, a metal mold consisting of a stationary side wall, rigidly secured to said support and a movable front wall carrying end walls hingedly secured to said support, latches pivoted to the stationary wall and engaging the movable wall for locking the walls against movement when the same are brought into operative relation to each other, said side walls having alined openings formed therein, a plunger mechanism including a plurality of plungers connected together for simultaneous movement, a rock shaft mounted on said base support, links connecting the plungers and said rock shaft, a lever for actuating said rock shaft to reciprocate the plungers within the alined openings formed in the side walls of the mold form, and a spring controlled tamper frame mounted on said base support for tamping the plastic material as the same is introduced to the mold form.

1,637,496. MATCH SAFE. JACOB E. NEAHR, Hartsdale, N. Y. Filed June 24, 1924. Serial No. 722,029. 3 Claims. (Cl. 206—20.)



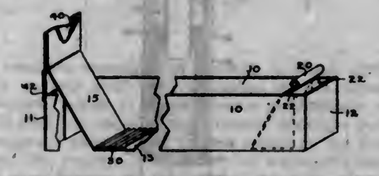
1. A clip for a flexible packet of the described matches, comprising an ash-receiving bowl having a broad bottom, an ash tray, and a pedestal connecting said tray to said bowl, with the tray in close proximity to the bottom of the ash-receiving bowl and coacting therewith to clip firmly the thin end of the described flexible packet thrust between the bowl and the ash-tray.

1,637,497. HEAT-INSULATING UNIT. HENRY W. O'DOWD, Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md., a Corporation of Maryland. Filed Apr. 24, 1924. Serial No. 708,646. 2 Claims. (Cl. 154—44.)



1. A heat insulating unit comprising a reinforcing frame, cross members extending between the walls of the same to produce cells therein, strips of heat resisting material associated with the cross members and presenting edge flanges extending parallel with the plane of the face of the frame, a heat resisting fibrous filler in the cells of the frame, and a sheathing of heat resisting material enclosing the frame and filler and cemented to said edge flanges.

1,637,498. RECEPTACLE FOR ADDRESS PLATES. HENRY C. OSBORN, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 24, 1926. Serial No. 118,299. 4 Claims. (Cl. 101—47.)



4. A metal receptacle for address plates, comprising a box having sides, ends and a bottom and an inclined partition forming a continuation of the bottom and leading from its forward end and extending upwardly to an intermediate region on the front and a corrugated sheet of metal resting on the bottom.

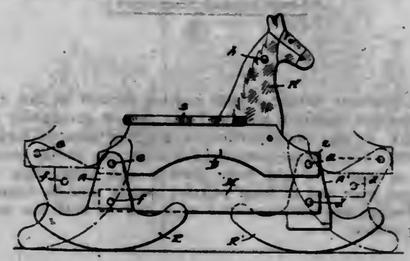
1,637,499. TEMPORARY TIRE-TUBE VALVE. GEORGE W. RUNDLETT, Washington, D. C. Filed Dec. 15, 1925. Serial No. 75,535. 1 Claim. (Cl. 152—12.)

A temporary valve comprising a tubular casing, said casing being flared outwardly at its lower end, said lower end having screw threads over a portion of its surface, a cover plate screw-threaded interiorly to engage with the screw threads on the lower end of the casing, said cover plate being further provided with an aperture thru the center thereof, a resilient washer retained in the



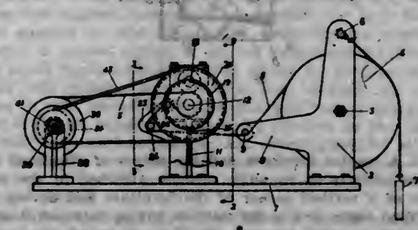
flared portion of said casing and having an aperture adapted to coincide with the aperture in the cover plate, an air valve mounted in the upper portion of said casing, and a cross handle bar for manipulation of the device.

1,637,500. ROCKING-HORSE. WILLIAM H. SHERROD, Los Angeles, Calif. Filed Dec. 17, 1925. Serial No. 76,032. 2 Claims. (Cl. 272—53.)



1. A rocking horse comprising a body having a pair of horizontal members disposed edgewise, a head attached thereto and extended thereabove, a seat also attached to said members, a rocker pivotally attached to and between the front portions of said members, a pair of rockers pivotally connected to and outwardly of the rear portions of said members, and a pair of horizontal bars pivotally connecting said front and rear rockers and disposed edgewise in the plane of and adapted to engage said body members for limiting the movement of the body.

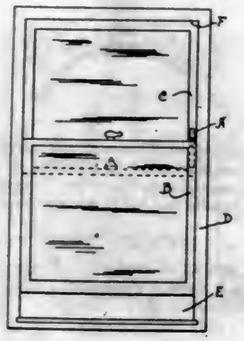
1,637,501. GROOVING MACHINE. BENJAMIN A. SLOCUM, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Apr. 19, 1926. Serial No. 103,178. 1 Claim. (Cl. 92—68.)



A grooving machine comprising a base, a supply spool and a take up spool thereon, rollers on said base between which a strip of material is adapted to pass from one spool to the other, V-shaped grooves in one of said

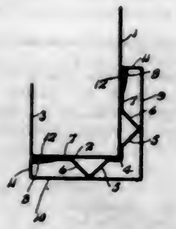
rollers and similarly shaped ribs on the other roller adapted to fit in said grooves whereby V shaped grooves are formed in said material, driving means for said rollers and said take up spool, and a friction clutch between said take up spool and said driving means.

1,637,502. FASTENER. ARTHUR G. STANTON, Fargo, N. Dak. Filed Nov. 9, 1925. Serial No. 67,793. 1 Claim. (Cl. 292—343.)



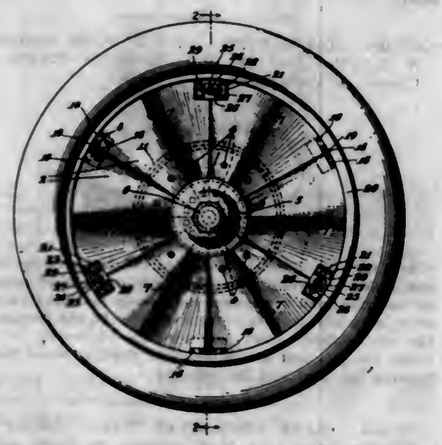
A fastener having a body portion formed of flat, thin spring-like material, marginal ribs formed throughout the length of said body portion, a gripping member formed through the central portion by bending one end to extend at an angle to said body portion and bifurcating the turned over end to form piercing points thereon adapted to engage against a window sash and to hold the same in position.

1,637,503. LEG CONSTRUCTION FOR METAL DESKS. PETER M. WEGE, Grand Rapids, Mich., assignor to Metal Office Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Aug. 4, 1924. Serial No. 729,884. 5 Claims. (Cl. 45—48.)



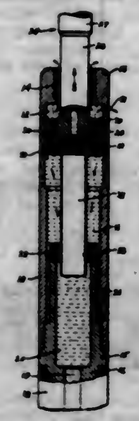
1. A leg for furniture and the means of attaching the same comprising an angle member attached to the outside of a vertical corner of the furniture and having its vertical edges free, a leg member having inturned flanges adapted to slip between the free edges of the angle member and the body of the furniture and means for limiting the upward movement of the leg relative to the body of the furniture.

1,637,504. VEHICLE WHEEL. PHILLIP A. WHITE, St. Albans, N. Y., assignor, by direct and mesne assignments, of one-half to Robert W. Simpson, New York, N. Y., and one-half to Evina A. Kemp, New York, N. Y. Filed May 14, 1925. Serial No. 30,154. 15 Claims. (Cl. 301—63.)



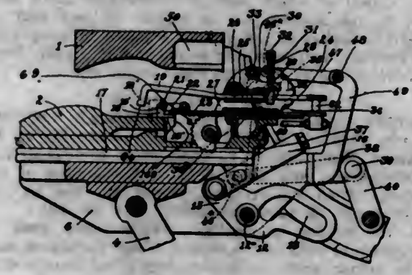
6. A disk type wheel made up of radiating sheet metal sections and means for demountably attaching a rim thereto comprising devices located at joints between the sections aforesaid and locking the corresponding sections together.

1,637,505. ROTARY HYDRAULIC JAR MECHANISM. WILSON B. WIGLE, Long Beach, Calif., assignor, by mesne assignments, to Wm. D. Shaffer, Brea, Calif. Filed June 1, 1925. Serial No. 33,974. 19 Claims. (Cl. 255—27.)



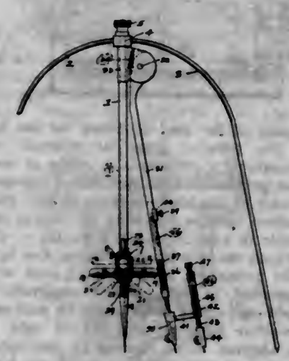
1. A rotary jar mechanism comprising a hollow cylinder constituting a fluid chamber having a counter bore at the upper end thereof, and a jar hammer having a stem extending through the upper end of said cylinder and adapted to be connected to a string of pipe, said stem being normally disposed in the lower portion of said cylinder below the counter bore and having a sliding fit therein, whereby when the jar hammer enters the counter bore the fluid therein will be displaced to cause an impact of the hammer with the cylinder.

1,637,506. SOLE-PRESSING MACHINE. REGINALD BOYD WOODCOCK and ERNEST HOPE, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 5, 1924, Serial No. 690,772, and in Great Britain Feb. 9, 1923. 19 Claims. (Cl. 12—21.)



18. In a sole pressing machine, a sole gage carrying member, and a sole gage on said member having a plurality of gaging surfaces and arranged to have different operative positions corresponding respectively to the said surfaces, whereby the desired surface can be brought into gaging position against a sole.

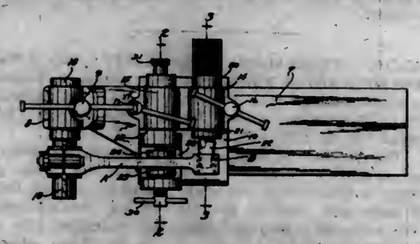
1,637,507. COMPASS. ALFRED N. ZAVAGNO, San Francisco, Calif. Filed May 24, 1924, Serial No. 715,565. Renewed May 11, 1927. 2 Claims. (Cl. 33—30.)



1. A compass, comprised of a shaft; a frame slidably mounted on said shaft and extending out on opposite sides thereof; a pair of complementary semi-circular segments having the opposite ends thereof pivotally joined to the opposite ends of said frame; means on the frame to adjust the angular position of the segments; and a scribing arm having an end thereof rotatably mounted on said shaft and the opposite end adapted to contact with the periphery of the segments.

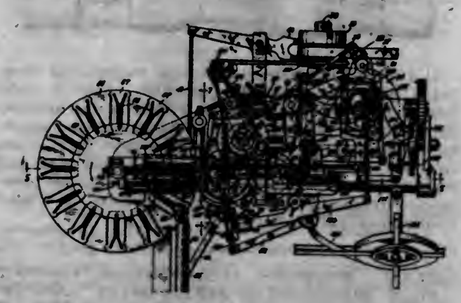
1,637,508. ALIGNING AND REAMING MACHINE FOR CONNECTING RODS. WILLIAM AAB, New Ulm, Minn. Original application filed Oct. 5, 1925, Serial No. 60,474. Divided and this application filed Apr. 23, 1926. Serial No. 104,063. 1 Claim. (Cl. 77—62.)

A machine of the kind described having an arbor, a centering member, and a bearing between said arbor and centering member, a tubular shaft mounted in the bearing and having a U-shaped member, and a pair of axially aligned shafts, one of which has threaded engagement with the tubular shaft and the other of which has



threaded engagement with the outer prong of said body, said pair of shafts having co-operating jaws at their inner ends between the prongs of said body member.

1,637,509. BAG-CLOSING MACHINE. THOMAS ALLATT, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y., a Corporation of New York. Filed Sept. 26, 1922, Serial No. 590,622. Renewed Oct. 23, 1926. 18 Claims. (Cl. 226—56.)



1. A bag-closing machine, comprising a metal strip feeding means, an intermittently moving bag-supporting table, an intermittently moving carrier for receiving said bags from said table, means for transporting the bags from said table to said carrier and puckering the mouths thereof, a second carrier, a cutting mechanism for severing metal bands from said strip, means for forming each band into substantially U-shape and transporting the same to said second carrier, said second carrier moving intermittently and bringing said U-shaped bands into operative relation to the bags on said first-mentioned carrier, and co-acting dies for forming the bands into ring-shape and applying the same to the bags so as to encircle and compress the puckered mouths thereof.

9. A bag-closing machine comprising a metal strip feeding means, a bag support, a carrier for receiving said bags from said support, means for transporting the bags from said support to said carrier and puckering the mouths thereof, a second carrier, a cutting mechanism for severing metal bands from said strip, means for forming each band into substantially U-shape and transporting the same to said second carrier, said second carrier bringing said U-shaped bands into operative relation to the bags on said first-mentioned carrier, and coacting dies for forming the bands into ring-shape and applying the same to the bags so as to encircle and compress the puckered mouths thereof.

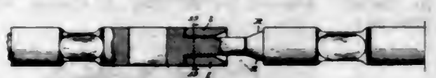
16. A bag-closing machine, including a carrier comprising an intermittently moving disk, equidistantly spaced arms projecting therefrom, each arm being provided on its outer end with a longitudinal slot receiving a bag, a lever, two horizontally disposed pins thereon, one above

and the other one below said arms, and means for swinging said lever to and from said arms bringing said pins nearer to the center of said disk than the inner end of a slot in an arm before said carrier stops in its intermittent movement.

1,637,510. MINERAL-OIL DERIVATIVE AND PROCESS OF MAKING SAME. GELLERT ALLEMAN, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Feb. 6, 1924. Serial No. 691,023. 4 Claims. (Cl. 87—16.)

1. The process of manufacturing metallic derivatives from petroleum which comprises obtaining from petroleum a composition containing a water soluble fatty acid soap and resinous material having characteristics of the precipitate resulting from the treatment with an alkali of acid-treated mineral oil, but free from mineral oil, adding thereto a water soluble metal salt in amount sufficient to exchange the metallic ion of the added salt for the metallic ion of the water soluble soap, separating out as a sticky mass the metallic derivative, and washing out the other reaction products.

1,637,511. METHOD OF MAKING DRILLING JARS. PAUL ARBON, Tulsa, Okla. Filed Mar. 17, 1924. Serial No. 699,938. 3 Claims. (Cl. 76—101.)

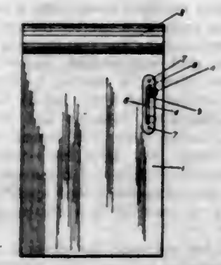


1. A method of making drilling jars consisting in forming a socket member with oppositely disposed slots, forming a stem member with a T-head having substantially flat sides, heating one of said members and inserting the stem member in the socket member so that the cross bar of the T-head will extend into said slots, and then shaping the heated member to cause the socket member to surround the stem member and prevent the T-head from pulling out of said slots.

1,637,512. RESINOUS CONDENSATION PRODUCT FROM DIHYDROXYDIPHENYLETHANE AND REACTIVE METHYLENE BODIES AND PROCESS OF MAKING SAME. LEO H. BAEKELAND, Yonkers, N. Y., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed June 30, 1922. Serial No. 572,082. 7 Claims. (Cl. 260—4.)

1. Process of preparing a resinous condensation product comprising reacting with a hardening agent upon dihydroxydiphenylethane until a resinous condensation product is formed.

1,637,513. SAFETY CATCH FOR SHUTTERS. CARL BORNMANN, Binghamton, N. Y., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Filed Feb. 18, 1927. Serial No. 169,385. 7 Claims. (Cl. 95—53.)



1. In combination with a camera, a shutter, an operating lever for said shutter, and a saftey catch for said lever.

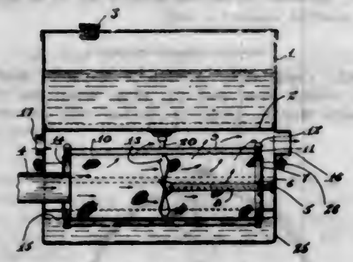
1,637,514. PRODUCTION OF CAUSTIC ALKALI, ETC. LINN BRADLEY, Montclair, N. J., and EDWARD P. MCKEEFE, New York, N. Y. Filed Mar. 2, 1921, Serial No. 449,244. Renewed Nov. 8, 1926. 16 Claims. (Cl. 23—185.)

1. The method of producing a solution of a causticizible alkali metal salt, which comprises causing an alkali metal sulfate to react with an insoluble calcium salt, the acid radical of which forms a causticizible alkali metal salt, in the presence of an amount of free acid not greatly in excess of the amount required to bring about the reaction, with resulting production of gypsum and a solution of the causticizible alkali metal salt.

1,637,515. TREATMENT OF RESIDUAL LIQUORS. LINN BRADLEY, Montclair, N. J., and EDWARD P. MCKEEFE, New York, N. Y., assignors to Bradley-McKeefe Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1922, Serial No. 534,768. Renewed Oct. 15, 1926. 18 Claims. (Cl. 23—131.)

1. The method of treating residual liquor from the production of pulp with a cooking liquor containing essentially sodium sulfite or sodium sulfite and caustic alkali which comprises concentrating the residual liquor and crystallizing sodium sulfite therefrom.

1,637,516. MUFFLER. MORRIS R. BAILLIANT, Roxbury, Mass. Filed Aug. 2, 1926. Serial No. 126,736. 2 Claims. (Cl. 261—92.)



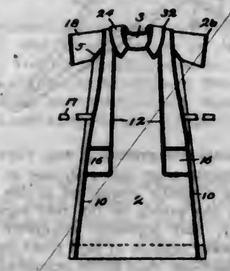
1. Apparatus of the kind described for use in combination with the exhaust pipes of internal combustion engines, comprising a receptacle, a source of water supply in the upper portion of said receptacle, automatic means to admit water to the lower portion of said receptacle to a predetermined level, a rotatable cylindrical screen comprising a pair of spaced members having a plurality of layers of screen mesh mounted thereon and in the lower part of said receptacle, a portion of said screen being always immersed in said water, removable clamping means to hold said screen mesh layers on said spaced members, a propeller fixed to and within said cylindrical screen and adapted to be rotated by the exhaust gases emitted from the exhaust pipe, and an air inlet to, and an outlet from, said receptacle.

1,637,517. GAME APPARATUS. BRUCE A. BRISTOW, Toronto, Ontario, Canada, assignor of one-third to W. Allen Chamberlain and one-third to Dudley A. Bristow, Toronto, Canada. Filed Nov. 28, 1925. Serial No. 72,021. 12 Claims. (Cl. 273—127.)



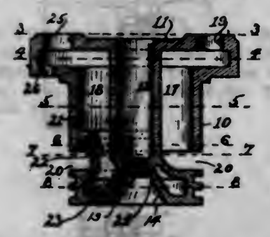
6. In a game apparatus, the combination of a support; an indicator pivoted intermediate its ends on said support whereby it may occupy a "set" position with its weight mainly at one side of the axis on which it moves, or a tripped position with its weight mainly on the other side of the axis on which it moves; and a depending lever pivotally connected with said support, said lever when rocked while the indicator is in set position being adapted to move the latter a sufficient distance to overbalance it so that it will move to the tripped position.

1,637,518. FROCK. MARY V. BRUNK and DAISY D. HARRISON, Kansas City, Kans. Filed Aug. 9, 1926. Serial No. 128,160. 1 Claim. (Cl. 2—74.)



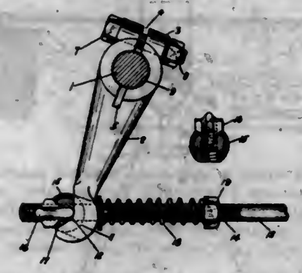
A garment having neck and arm openings, detachable sleeves having extensions at their upper portions to project into said arm openings, a retaining element fixed to the under portion of each sleeve and adapted to engage the interior of the garment adjacent to the respective arm openings, and retaining elements secured to the sleeve extensions and adapted to engage over the exterior of the garment adjacent the neck opening and form a collar.

1,637,519. CYLINDER HEAD FOR SLEEVE-VALVE INTERNAL-COMBUSTION ENGINES. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Corporation, Reno, Nev., a Corporation of Nevada. Filed Nov. 30, 1926. Serial No. 151,645. 3 Claims. (Cl. 123—75.)



1. A cylinder head for sleeve valve internal combustion engines, a hollow formed cylindric body of two diameter periphery, a cylindric wall extending substantially axially with and in the center of the body, a recess formed within the said cylindric wall, the said recess opening through the end of the body having the end periphery of greatest diameter, a threaded aperture opening from the other end of the said recess through the end of the body of least periphery diameter, partitions formed within the hollow interior of the body, the said partitions dividing the interior chamber of the body into a cell and a passage way, the said cell being adapted to contain cooling fluid, the said passage way being adapted to provide a fresh fuel charge passage communication through the head, an opening formed from the said cell through the end of the body having the cylindric periphery of greatest diameter, the said passage way within the body opening through the end of body which end is of greatest diameter and the said passageway opening through the periphery of the body of least diameter.

1,637,520. BRAKE-CONTROL-ACTUATING MECHANISM. ADIEL Y. DODGE, South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1924. Serial No. 701,172. 3 Claims. (Cl. 287—90.)



2. Connections comprising, in combination, a lever, a link, an adjustable device connecting the link and lever, and a spring yieldingly holding said device, the lever and said device having surfaces in operative engagement to turn said device automatically to a predetermined angular position when pressure is applied to the lever.

1,637,521. SHANK AND SOCKET FASTENING DEVICE. GEORGE HENRY ELWELL, Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Nov. 21, 1921. Serial No. 516,818. 9 Claims. (Cl. 24—211.)



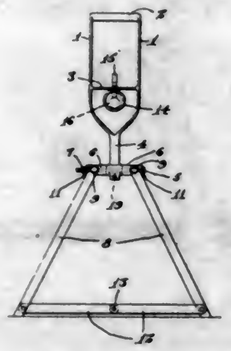
1. A fastener comprising, in combination, a socket presenting a stud-receiving aperture surrounded by a wall of fixed dimensions, a stud having two parts axially movable relative to each other to permit engagement and disengagement between the stud and the socket, one of said parts provided with fixed means engageable with the wall surrounding the stud-receiving aperture, while said other part provides rigid means for preventing separation of the stud and socket until axially shifted relative to said part which engages said socket.

1,637,522. SHINGLE COVERING. JAMES H. GRAHAM, Wilkinsburg, Pa., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 22, 1926. Serial No. 143,405. 3 Claims. (Cl. 108—9.)



1. Shingle covering comprising interchangeable shingles preperforated near the head for roof-nails and near the foot for storm nails, interchangeable spacers having roof nail perforations placed to register with roof nail perforations of the shingles, a spacer secured near the head of each shingle by roof nails driven through the registering roof nail perforations of shingle and spacer, storm nails, each having a head and a clinching shank, the head lying between a spacer of one tier and roof covering material nailed thereover and the shank passing up through the storm nail perforation in a shingle of the next overlying tier, and each shingle fitting between spacers on shingles in the tier next below.

1,637,523. GARDEN-HOSE SUPPORTER. BURTON C. HAMILTON, Brookline, Mass. Filed Sept. 28, 1926. Serial No. 138,209. 1 Claim. (Cl. 248—29.)



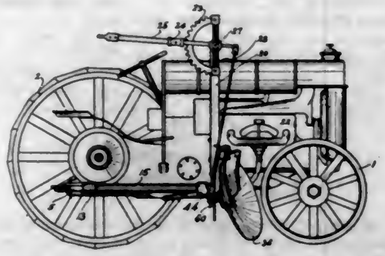
A hose supporter of the kind described, comprising a body portion adjustably mounted on a support, a handle at one end of said body portion, a rib in said body portion, hose receiving and supporting means and a hose retaining spring affixed to said rib, and means to permit adjustment of said body portion.

1,637,524. LOCKING MEANS FOR ROTARY MEMBERS. JAMES H. HARRIMAN, San Francisco, Calif. Filed May 24, 1926. Serial No. 111,174. 1 Claim. (Cl. 151—20.)



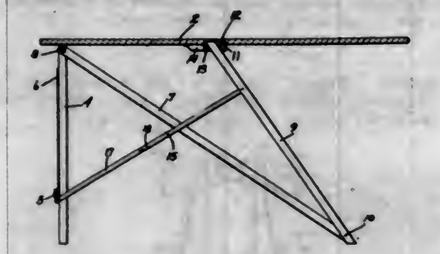
A washer provided with a solid body of gradually tapering thickness and split through its thickest portion, and said washer having an opening therethrough of a substantially triangular form rounded at one of the inner corners of the triangle.

1,637,525. TRACTOR PLOW. TOM HUSTON, Columbus, Ga., assignor to C. R. Medley, Columbus, Ga. Filed June 23, 1923. Serial No. 647,210. Renewed Oct. 23, 1926. 16 Claims. (Cl. 97—47.)



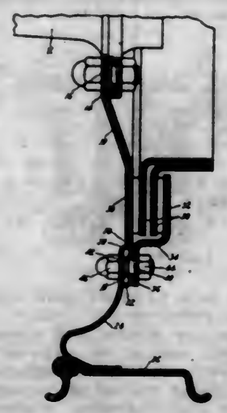
1. A plow attachment for tractors comprising a thrust bar having means to connect it to the tractor's draw bar, a plow frame disposed between the front and rear tractor axles and having means to mount it on said bar, means to transmit the working thrust of the plow frame to the forward end of said bar, a bracket adapted for rigid connection to the tractor frame and having a bearing for the forward end of said bar, a disk plow mounted on said frame, and means to adjust the frame about the thrust bar's axis.

1,637,526. IRONING TABLE. JOHN E. KALGREN, Minneapolis, Minn., assignor to J. R. Clark Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 24, 1924. Serial No. 701,434. 3 Claims. (Cl. 68—10.)



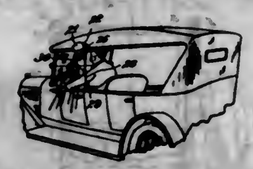
1. An ironing board comprising a top, rear legs pivotally connected thereto near one end, one at each side thereof, a front leg pivotally connected at the same end of the top between the pivots of the rear legs, supports extending upwardly, and pivotally connected at their lower ends to the lower portion of said front legs, a brace comprising hinged sections, said brace extending from the upper portions of said supports to the lower portion of said rear legs, a bracket on the under side of the top providing an open end recess between the top and bracket, a bar connecting the upper ends of the supports and adapted to rest in said recess when the board is in use but movable out of the recess when the top is slightly tilted thus permitting the sections of the brace to be folded and said leg and supports collapsed.

1,637,527. WHEEL. LUDGER ELIZE LA BRIE, South Bend, Ind., assignor to Motor Industries, Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1925. Serial No. 64,662. 6 Claims. (Cl. 301—6.)



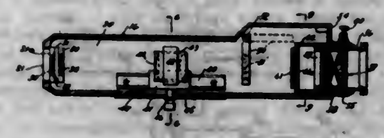
3. A wheel comprising, in combination, an inner disk rabbeted a short distance from its outer edge to form a circular shoulder and having a radial friction surface on its inner side within the outline of said shoulder, a drum part having a flange overlapping the outer part of the inner disk on its inner side outside the outline of said shoulder, thence offset inwardly and continued as a radial friction flange opposite and parallel to said friction surface, an annular outer rim-carrying disk seated at its inner edge on said shoulder, and fastenings passing through the disks and the overlapping flange of the drum part.

1,637,528. AUTOMOBILE SIGNAL ACCESSORY. JOHN E. LIBRICH, Indianapolis, Ind. Filed July 17, 1924. Serial No. 726,438. 2 Claims. (Cl. 177—329.)



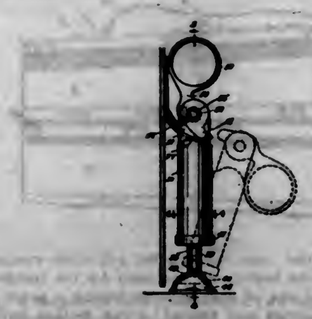
2. An automobile accessory comprising a lamp support by which it may be attached to an automobile, an electric switch, and an operating element connected to said switch and adapted to be extended into the normal horizontal path of movement of the signaling arm of the driver, said operating element comprising a flexible cord.

1,637,529. FOCUSING INSTRUMENT FOR CAMERAS AND THE LIKE. GEORGE A. MITCHELL, Los Angeles, Calif., assignor to Mitchell Camera Corporation, a Corporation of California. Filed Aug. 28, 1926. Serial No. 132,089. 17 Claims. (Cl. 95—44.)



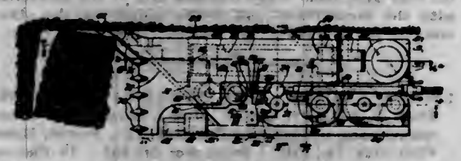
1. A focusing instrument for cameras, embodying a defined image receiving plane adapted to receive an image from a photographic lens of a camera, a second defined image receiving plane spaced fixedly from the first mentioned image receiving plane, and an objective lens positioned between the two said planes and movable to and from them into positions in each of which it casts an image from the first mentioned plane into the second mentioned plane.

1,637,530. AUTOMOBILE HOOD CLAMP. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 28, 1924. Serial No. 746,294. 7 Claims. (Cl. 292—69.)



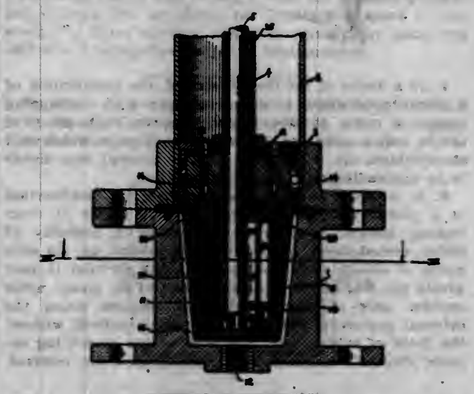
1. In a clamp, a tubular barrel formed of sheet metal bent transversely into tube form about the axis of the barrel and forming a longitudinal seam, the line of bending being parallel to the axis, spaced integral extensions on said barrel at each side of the seam, and rigid means connected and forming a rigid support between said extensions adapted to maintain them rigidly with respect to each other and to secure the tubular relation of said barrel.

1,637,531. MINING MACHINE. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Nov. 15, 1920. Serial No. 424,050. 113 Claims. (Cl. 262—5.)



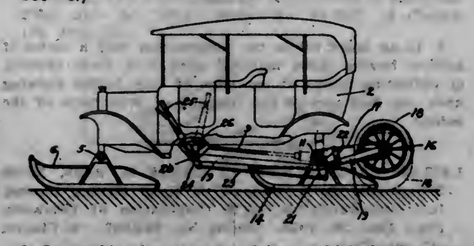
33. A mining machine comprising a supporting frame, an upright series of coal digging and splitting devices, and an upright wall at the forward end of said frame in angular position to engage dislodged material and cause the same to slide along the same away from the mine wall.

1,637,532. MOLD FOR FORMING CONTAINERS. WILLIAM HAROLD OLIVER and EDWIN S. CULVER, Oakland, Calif. Filed Nov. 22, 1923. Serial No. 676,232. 5 Claims. (Cl. 92—60.)



1. The process of forming containers or the like which consists of introducing pulp in a mold member, inserting a core member within said pulp, squeezing the pulp by means of a flexible diaphragm adjacent one of said members in the direction of the other member, carrying away the surplus liquid squeezed from the pulp by a current of air passing through drainage means in the member toward which the pulp has been squeezed.

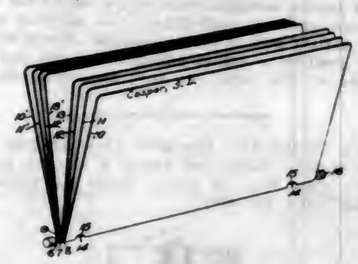
1,637,533. TRACTION DRIVING MEANS FOR VEHICLES. HERMAN E. PEARSON, Wayzata, Minn. Filed June 8, 1923. Serial No. 644,147. 3 Claims. (Cl. 180—6.)



3. In combination a motor driven vehicle having runners in lieu of wheels and including a rear axle having the usual driving means, an auxiliary axle in the rear of the rear axle having traction wheels, driving connec-

tions between the wheels and the driving means, thrust bars connected with and swingingly supporting the auxiliary axle and extending and pivoted forwardly of the rear axle of the vehicle, bellcranks rockably mounted on the rear axle, links connecting one arm of the bellcranks with the thrust bars, and means connecting the other arms of the bellcranks, for rocking the cranks.

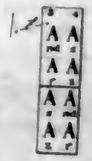
1,637,534. FILING AND INDEXING EQUIPMENT. JOHN T. QUIGLEY, Boston, Mass., assignor, by mesne assignments, to Postindex Company, Inc., Boston, Mass. Filed July 14, 1919. Serial No. 310,691. 10 Claims. (Cl. 129—16.)



1. In a device of the class described, the combination of a plurality of sheets arranged in a series of overlapping groups, a series of sheet-holders, one for each group of sheets, and a mounting presenting bearings in which said sheet-holders are mounted to turn to present said sheets in an upstanding or a depending position.

6. In a device of the class described, the combination of a plurality of sheets arranged in a series of overlapping groups, each group comprising a plurality of folded, nested sheets, a series of sheet-holders, one for each group of sheets, each sheet-holder being received in part within the fold of the innermost sheet of its group, while another part of such sheet-holder extends along the external surface of the outermost sheet entirely without the folds of said sheets, and a mounting presenting opposed channels in which said sheet-holders are received.

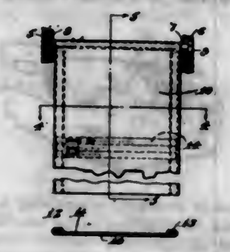
1,637,535. INDEX. JAMES H. RAND, North Tonawanda, N. Y., assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y., a Corporation of Delaware. Filed June 18, 1922. Serial No. 645,999. 12 Claims. (Cl. 283—41.)



1. In an index device the combination with a series of holders having index material upon both faces thereof, of indicating means at one edge of each holder showing upon one face thereof the contents of both faces of the holder.

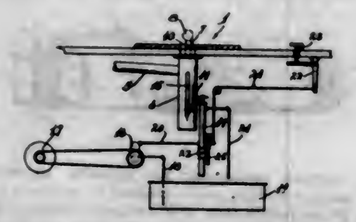
1,637,536. INDEX DEVICE. JAMES H. RAND, North Tonawanda, N. Y., assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y., a Corporation of Delaware. Filed Dec. 26, 1923. Serial No. 682,647. 4 Claims. (Cl. 40—72.)

1. An index comprising a support mounted to revolve freely in opposite directions, a stiff resilient holder carried by the support, the holder having integral flanges at its opposite edges, and a plurality of removable index lips provided with indicia upon their opposite sides and



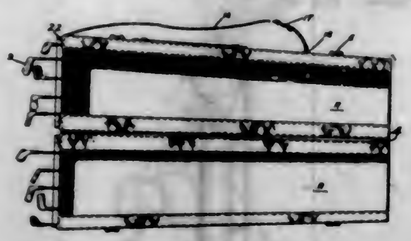
having their ends secured beneath the respective flanges, the holder being so constructed and arranged that the opposite sides of each slip are exposed to view.

1,637,537. AUTOMATIC GOLF-BALL TEE. THOMAS C. ROBERTS, Long Beach, Calif. Filed May 28, 1927. Serial No. 194,886. 7 Claims. (Cl. 273—33.)



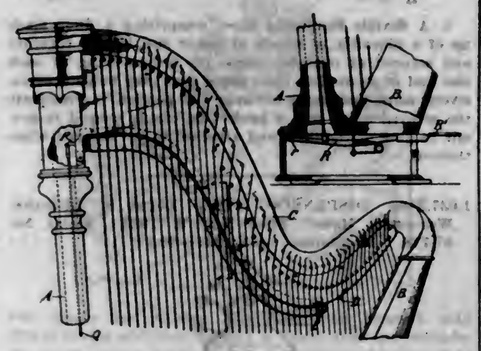
1. An automatic golf ball tee comprising a hydraulic cylinder, means to supply liquid to said cylinder, a tee, means operatively connecting said cylinder and tee, and means to release the liquid from said cylinder when it is desired to depress the tee and replace a ball thereon.

1,637,538. GOLF-CLUB CARRYING CASE AND BAG. HAROLD A. SAMPSON, Burlingame, Calif. Filed July 16, 1924. Serial No. 726,337. 4 Claims. (Cl. 150—1.5.)



1. A combination case and bag for golf clubs comprising hinged sections having one end open for the reception of the clubs and one of said sections having a notch on the edge of the open end thereof, a cap section having releasable fastening means for securing it to the hinged sections over the projecting clubs, a bag carrying strap secured at one of its ends to the notched edge of the open end of one of the hinged sections and detachably secured at its opposite end to the lower portion of the same section whereby the detachable end may be placed in the cap section when the parts are assembled as a carrying case, and a handle for the carrying case arranged on one of the sections.

1,637,539. HARP DAMPER. EMIL O. STARKE, Oak Park, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,458. 3 Claims. (Cl. 84—264.)



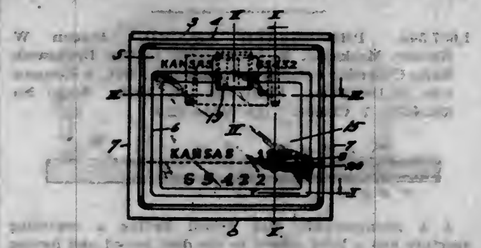
2. In combination with a harp having a curved neck which includes a pair of curved action plates embracing a downwardly open space back of the strings, a damper bar of curved outline similar to that of the neck mounted adjacent the strings below said action plates and a pair of carrying plates for said bar extending respectively from the lower edges of the action plates and spaced apart to accommodate actuating mechanism for the bar, said mechanism comprising plungers attached to the damper bar at intervals in its length, extending perpendicularly from the plane of said bar and slidably mounted in one of said carrying plates, a cam associated with each plunger and rockable about the axis thereof for moving the bar toward the harp strings, together with links connecting said cams for simultaneous operation and disposed between the two carrying plates, said plates being of such width as to fully mask said links throughout the length of the damper bar.

1,637,540. REVERSIBLE COLLAR. PHILIP SUKNOW, Detroit, Mich., assignor to Joseph V. Roemer, Detroit, Mich. Filed July 14, 1926. Serial No. 122,415. 4 Claims. (Cl. 2—131.)



1. A reversible collar comprising two separate plies having cooperating band and fold over top forming portions, a reinforcement between the band forming portions of said plies having a folded over edge for establishing the fold line of the collar, and means for securing the band forming portions of said plies and said reinforcement together and for also securing the fold over top portions of said plies together at their edges only in a manner to form a comparatively stiff band and also to provide a fullness in the fold over top whereby the latter folds readily in either direction upon and conforms to the band.

1,637,541. MOTOR-CAR IDENTIFYING APPLIANCE. STRAUD K. WOOD, Hutchinson, Kans. Filed Jan. 24, 1927. Serial No. 163,060. 12 Claims. (Cl. 40—17.)

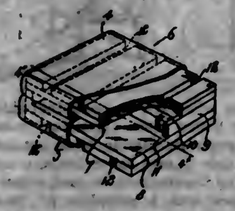


1. A car identifying appliance comprising a housing consisting of a back member and a front member having a window, slidably connected together, a suitable support against which the back member fits, means for fastening the back member to the support, a transparent plate within the housing and covering the said fastening means and rendering the same inaccessible, a certificate within the housing and fitting against the back of said transparent plate, and means within the housing projecting through the certificate for tearing the same in the event the front member and said transparent plate are slid out of engagement with the back member.

1,637,542. CAR-IDENTIFYING APPLIANCE. STRAUD K. WOOD, Hutchinson, Kans. Filed Mar. 21, 1927. Serial No. 177,114. 7 Claims. (Cl. 40—10.)

1. An appliance of the character described, comprising a pair of casing members fitted slidably together and conjointly providing a chamber, the front member having a window opening; a plate fitting in the casing and transparent opposite the window opening and provided with a groove in its rear face, a certificate interposed between the back member of the casing and said plate and bridging said groove in the latter, and a key removably mounted in the casing and projecting through the certificate into said groove.

1,637,543. BALE-DIVIDING DEVICE. ALFORD C. BARROWS, Ann Arbor, Mich., assignor to Economy Baler Company, Ann Arbor, Mich., a Corporation of Michigan. Filed Apr. 20, 1925. Serial No. 24,603. 5 Claims. (Cl. 100—24.)



1. A bale dividing device for baling presses using covering material for bales comprising upper and lower walls against which a portion of said covering material

lies, said device also having provision for receiving another portion of said covering material during the time the material to be baled is being compressed.

1,637,544. PHONOGRAPH RECORD. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 20, 1923. Serial No. 633,463. 7 Claims. (Cl. 274—42.)



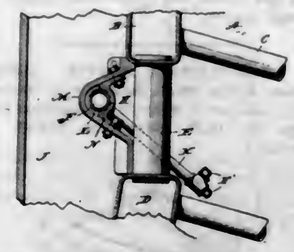
1. A phonographic disk record having a centering aperture and a label affixed to the disk record and having an opening registering with said aperture, the edge of the label at said opening being embedded in the body of the record to prevent the wearing and damaging of said edge.

✓1,637,545. CONTAINER FOR EYEBROW PENCILS AND THE LIKE. ARTHUS H. BOSWORTH, Wichita, Kans. Filed Apr. 21, 1925. Serial No. 24,799. 3 Claims. (Cl. 206—56.)



1. A container for eye-brow pencils and the like, comprising a tube closed at one end, a U-shaped soft pencil-engaging combined buffer and clip in the closed portion of the tube, and a freely movable weight between the closed end of the tube and the combined buffer and clip.

1,637,546. SOOT BLOWER. FRANK BOWERS, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Oct. 28, 1919. Serial No. 334,025. 5 Claims. (Cl. 122—392.)



1. In a boiler structure, the combination with a header and a bank of boiler tubes extending from said header, of a series of water circulation tubes extending from said header at an angle to said boiler tubes, a rotatable blower header extending transversely to and adjacent said water circulation tubes and a plurality of branch discharge pipes projecting from said blower header between said water circulation pipes and adapted to discharge upon said boiler tubes.

1,637,547. INSULATING MATERIAL. HAUGHTON BROWN, Minneapolis, Minn. Filed Dec. 24, 1925. Serial No. 77,629. 2 Claims. (Cl. 154—45.)



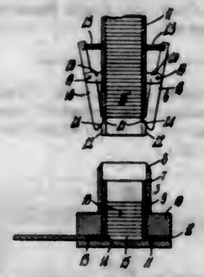
1. A flexible insulating sheet comprising a filler made up of a plurality of sheets of paper laid loosely together and secured at opposite edges, the sheets being of such size and so secured at their edges that they bulge progressively more and more towards the portion intermediate the secured edges, and a protecting casing shaped to permit bulging of the filler and attached to the secured edges thereof.

1,637,548. DISPENSING TOP. LOUIS S. BURBANK, Worcester, Mass. Filed Nov. 9, 1925. Serial No. 67,718. 10 Claims. (Cl. 221—60.)



1. As an article of manufacture, a dispensing container for the purpose described, having a top provided with an opening therethrough, an elastic sheet covering said opening and having a passage therethrough out of registration with said opening, and means for holding the sheet against the surface of the top.

1,637,549. COIN RECEPTACLE. DANIEL L. CHANDLER, Worcester, Mass., assignor, by mesne assignments, to William H. Whitcomb, Newton, Mass. Original application filed June 30, 1924, Serial No. 723,390. Divided and this application filed Mar. 9, 1925. Serial No. 14,067. 5 Claims. (Cl. 133—1.)

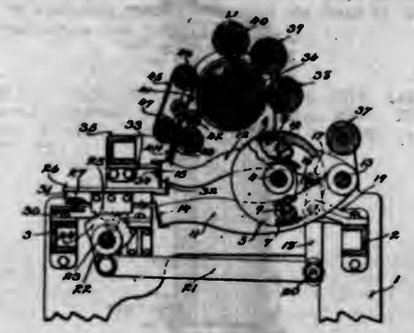


5. A coin receptacle in two parts, namely a tubular base having a beveled upper edge and an auxiliary tube detachably positioned on the upper end thereof, and a spring actuated lever constituting a detent pivoted to said auxiliary tube and adapted to project beneath a column of coins therein when said auxiliary tube is detached from said base, the lower end of said lever being adapted to engage the beveled upper end of the base when the auxiliary tube is being positioned thereon, whereby the lever will be moved from beneath a column of coins in the auxiliary tube and allow the same to enter the base.

1,637,550. INTERFOLDING MACHINE. PETER J. CHRISTMAN, Jr., Green Bay, Wis., assignor to Paper Converting Machine Co., Green Bay, Wis. Filed Dec. 22, 1926. Serial No. 156,405. 7 Claims. (Cl. 270—39.)

7. In an interfolding machine, the combination of a pair of holders having inwardly directed marginal lips,

means for successively feeding sheets downwardly towards said holders, an upper and a lower tucker blade adapted to tuck the sheets into the space between said holders, said holders acting as supports for the interfolded sheets,



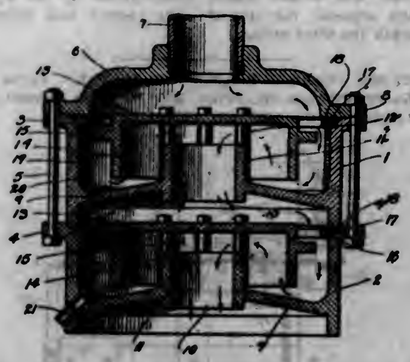
and means for causing relative motion between said tucker blades and said holders in timed relation, whereby the upper tucker blade passes downwardly between said lips and the lower tucker blade passes upwardly between said lips.

1,637,551. GOLF TEE. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Mar. 19, 1927. Serial No. 176,807. 9 Claims. (Cl. 273—33.)



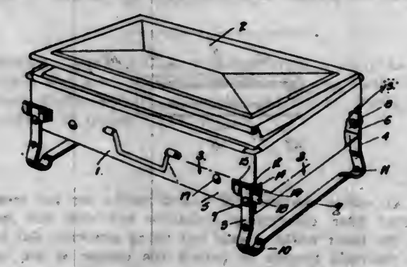
1. In combination, a tee, a plurality of detachable ground engaging means mounted therein, and means for yieldingly clamping said ground engaging means in said tee.

1,637,552. CENTRIFUGAL MACHINE. WILLIAM C. COLEMAN, Wichita, Kans. Filed Aug. 6, 1923. Serial No. 656,101. 3 Claims. (Cl. 209—199.)



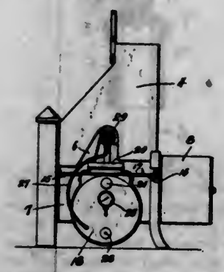
1. A centrifugal separator comprising a casing having an inlet and an outlet, upstanding supporting members carried by the casing, a disk fast on the casing, a flange depending from the disk, and a distributing collar between the ends of the flange.

1,637,553. RECEPTACLE-SUPPORTING MEANS. WILLIAM C. COLEMAN, Wichita, Kans. Filed Sept. 6, 1924. Serial No. 736,373. 3 Claims. (Cl. 220—69.)



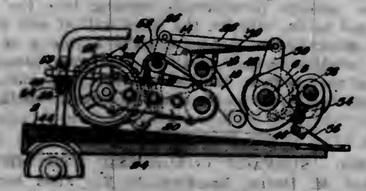
1. A receptacle having slotted side walls, latch bars fastened to the inner faces of the side walls having jaws projectable through the slots, legs pivoted to the said side walls engageable by the jaws and cross bars connecting the legs.

1,637,554. HEATING STOVE. WILLIAM C. COLEMAN, Wichita, Kans. Filed Oct. 3, 1925. Serial No. 60,248. 11 Claims. (Cl. 126—93.)



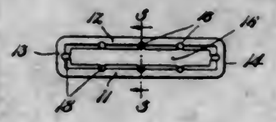
1. A stove comprising a casing, a burner in the casing having a vapor inlet, a unit removably associated with the casing, the unit comprising a tank to contain liquid under pressure, a vapor generator having valve connections with the tank and means of connecting the vapor generator to the tank, the unit being bodily movable into the casing to aline the generator with the vapor inlet in the burner, and spaced supporting means carried by the casing and removably supporting the unit in cooperative relation with the vapor inlet.

1,637,555. SHEET-FEEDING MACHINE. FRANK L. CROSS, Port Washington, N. Y., assignor to Cross Paper Feeder Company, a Corporation of Massachusetts. Filed Nov. 15, 1922. Serial No. 601,112. 10 Claims. (Cl. 271—38.)



1. A sheet feeding machine having, in combination, a comber for separating and advancing the top sheets of a pile, means for blowing air against the edges of the sheets, during each sheet separating cycle, and means for automatically regulating the action of the blowing means on the sheets in accordance with the condition of the sheets being operated upon by the comber.

1,637,556. EDIBLE CONTAINER FOR ICE CREAM. JAMES DENARO, Cambridge, Mass. Filed Apr. 20, 1925. Serial No. 24,320. 2 Claims. (Cl. 99—10.)



1. An edible container of baked pastry for ice cream or other filler, comprising a shallow box with one open end; the inner walls of said box being generally flat but with channels therein to permit the escape of air outwardly as the filler unit is introduced to the box.

1,637,557. BARBER'S DISPENSING BOTTLE. ROY DEPUE, Milford, Iowa. Filed Nov. 8, 1926. Serial No. 147,144. 1 Claim. (Cl. 215—41.)



In combination with a bottle having an elongated neck with a bead thereon, a bottle stopper comprising a resilient symmetrical integral head and sleeve, said sleeve adapted to embrace the outer portion of the bottle neck and having a boss at the juncture of the sleeve and head to interlock with the bead, said head having a symmetrical projection extending outwardly from its central portion and having rounded exposed surfaces to contact with the human part to which contents of the bottle is being applied, said head and projection having a continuous passage therethrough opening into the bottle neck and to the exterior, the inner wall of said passage being plain, and a stopper element having a threaded shank adapted to be forced into said plain passage for causing the resilient material to enter into the spaces between the threads of the shank to form a leak-tight fit.

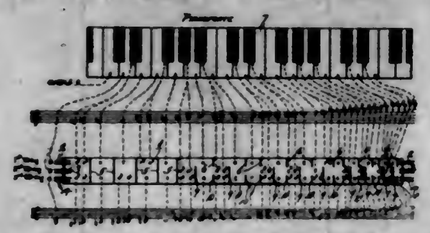
1,637,558. SURFACE CONDENSER AND METHOD. FRANK M. DOYLE, Brooklyn, N. Y. Filed Sept. 15, 1926. Serial No. 135,515. 17 Claims. (Cl. 257—28.)

1. A surface condenser comprising a shell within which is an elongated steam space, said shell being provided with a steam opening adjacent one end of the steam space to cause the steam being condensed to flow longitudinally along the steam space; cooling tubes traversing said steam space longitudinally; means to circulate a cooling fluid through said tubes in the direction of flow of the steam, whereby the tubes are coldest at the entrance end of the steam space and warmest at the opposite end; means to purge the steam space of noncondensable gases by withdrawing them from that portion of the steam



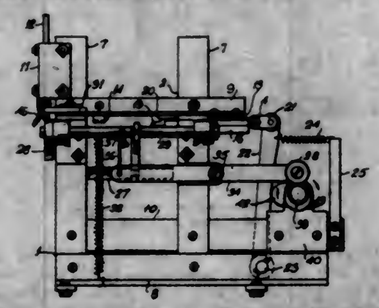
space which is adjacent the warmest portion of the cooling tubes; and means to cool said gases after they have been withdrawn from the steam space.

1,637,559. STRINGED INSTRUMENT. ADOLPH FRANIC, Fort Recovery, Ohio, assignor to Tamboritza Manufacturing Company, Fort Recovery, Ohio. Filed June 12, 1926. Serial No. 115,658. 6 Claims. (Cl. 84—485.)



3. The combination with a finger board having first, second and third strings extending longitudinally over the finger board, of whole tone frets carried by the finger board adjacent one side thereof and disposed beneath the first string, half tone frets carried by the finger board beneath the second string and arranged longitudinally on the finger board substantially centrally thereof, and octave change frets carried by the finger board adjacent the opposite side thereof and disposed beneath the third string.

1,637,560. CARTON-BLANK SEPARATOR. JACOB H. KRAPF, Chicago, Ill. Filed May 30, 1926. Serial No. 110,495. 5 Claims. (Cl. 271—1.)



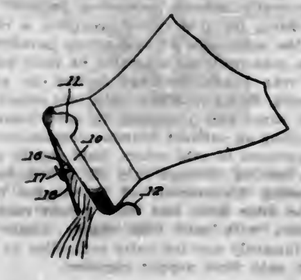
1. A device of the class described comprising a frame having a magazine for supporting a stack of blanks, means for supporting the lowermost blank, an ejector arranged to shift the lowermost blank edgewise for separating it from the stack, and a plurality of fingers pivotally mounted on the sides of said frame for supporting said blank in its separated position, said fingers being movable out of supporting position to permit the blank to drop vertically from such position.

1,637,561. TOY STRIKING BAG OR THE LIKE. HAROLD GREGORY FRENCH, South Haven, Mich. Filed Nov. 9, 1925. Serial No. 67,901. 1 Claim. (Cl. 272—77.)



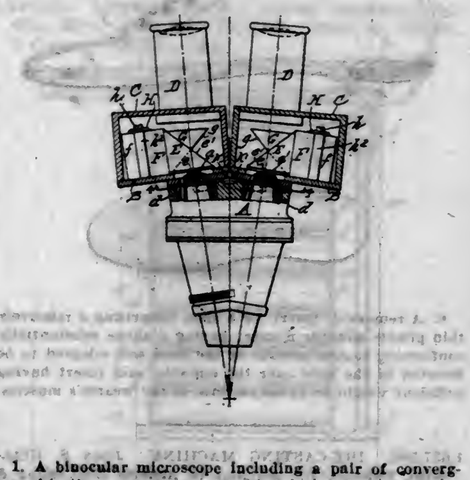
In a device of the character described, a bag having one end of flaring shape, and a supporting handle for the bag formed from a single blank of flexible material having an elongated rectangular intermediate portion and trapezoidal end portions, said rectangular intermediate portion being folded longitudinally to provide a plurality of plies and being folded transversely to define a loop, said trapezoidal end portions being located within the smaller end of the bag and secured thereto in conforming relation to the shape thereof.

1,637,562. AUTOMATIC BOTTLE CAP. ROBERT R. FRYE, Worcester, Mass. Filed Mar. 31, 1926. Serial No. 98,884. 2 Claims. (Cl. 215—63.)



1. As an article of manufacture, a bottle cap comprising a circular perforated wall to cover the open mouth of the bottle, means for detachably holding it on the bottle, and a circular imperforate plate movably connected with said wall at its center and arranged to cover the perforations when the bottle is in upright position and to swing away from the perforated wall when the bottle is inverted in all directions.

1,637,563. BINOCULAR MICROSCOPE. CHARLES L. GARY, Kenmore, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y. Filed Aug. 17, 1925. Serial No. 50,639. 12 Claims. (Cl. 88—39.)



1. A binocular microscope including a pair of converging objectives arranged with their optical axes at an angle to each other to produce stereoscopic effect, eyepieces converging at a smaller angle than said objectives, and reflecting means interposed between said objectives and said eyepieces for reflecting light from said objectives to said eyepieces and for erecting the image.

1,637,564. CLIP AND RETAINER. GEORGE T. GILLETTE, Los Angeles, Calif. Filed Dec. 24, 1926. Serial No. 156,817. 3 Claims. (Cl. 24—259.)

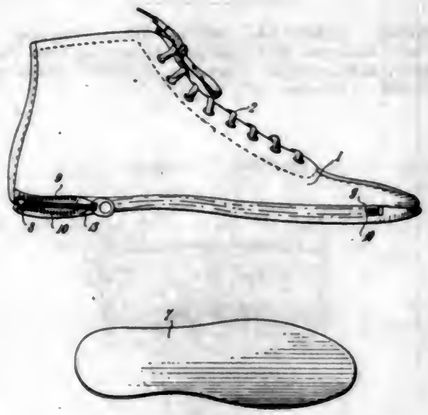


1. As an article of manufacture, a restraining clip comprising; a unitary metallic body comprising front and back sections in contact for a part of their length, the front section being longer with respect to the back section; fingers located at the sides of the front section; a centrally located finger in the rear section; and rearwardly curved free ends of the fingers.

1,637,565. PHYSICAL-DEVELOPMENT SHOE. ABRAHAM L. GORDON, New York, N. Y. Filed Nov. 13, 1926. Serial No. 148,179. 6 Claims. (Cl. 272—70.)

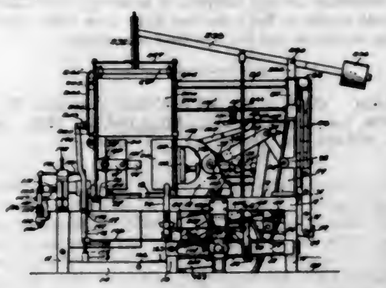
2. A shoe having a compartment located adjacent to its out-sole and provided with an opening in one side for admission into said compartment, one or more weighted members adapted to be inserted into said compartment to

add weight to the shoe, and means to detachably retain edges of the opening closed for retaining the members in the compartment.



6. A removable insert for a shoe comprising a relatively thin pliable metallic member having a shape substantially conforming to the contour of the shoe sole adapted to be inserted in the shoe over the out-sole, said insert having sufficient weight to cause exercise of the wearer's muscles.
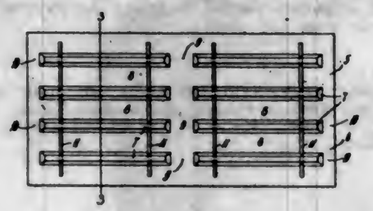
1,637,566. DIE-CASTING MACHINE. JOHN S. GULLSORG, Chicago, Ill., assignor to Alemite Die-Casting & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1924. Serial No. 729,450. 26 Claims. (Cl. 22—69.)



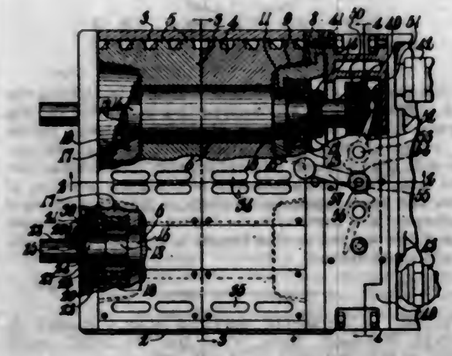
1. In a die casting machine, the combination of die mechanism, a relatively stationary metal pot, a nozzle dipping in said pot, said nozzle having upwardly turned ends, one of said ends having a compressed air connection, an upwardly pointed nozzle spout at the other end of said nozzle, means for moving said nozzle relative to said pot to bring said nozzle spout into communication with the under side of said die mechanism for transferring the molten metal thereto, and spring means cooperating with said last named means for holding said nozzle spout in resilient engagement with said die mechanism.

1,637,567. RUBBER-COMPOUND PAVING BLOCK. RUFUS F. HERRICK, Winchester, Mass. Filed Sept. 16, 1924. Serial No. 738,018. 1 Claim. (Cl. 94—11.)

A paving block for roadways constructed in one piece of rubber compound and comprising a body portion having a flat bottom face and a series of ribs extending longitudinally thereof and projecting downwardly therefrom, the opposite side faces of said ribs converging downwardly and said ribs being spaced apart both transversely and longitudinally of said block and from the opposite sides and ends thereof, the spaces between said ribs being open at their opposite ends, and rods projecting through said ribs and spaced apart from the flat bottom face of said block.



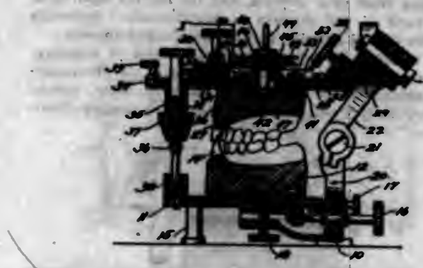
1,637,568. ROTARY FLUID-PRESSURE MOTOR. MORRIS P. HOLMES, Claremont, N. H., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Original application filed Nov. 10, 1916, Serial No. 130,579. Renewed Apr. 21, 1922, Serial No. 555,916, Patent No. 1,544,398. Divided and this application filed Sept. 4, 1923. Serial No. 660,803. 27 Claims. (Cl. 121—70.)



25. In a rotary engine, the combination with a pair of rotors each provided peripherally with means forming series of generally helically extending pressure receiving pockets, a casing for said rotors providing a rib extending across the lower side of said rotors parallel to their axes and in conformity to a portion of their peripheries, front and rear heads, bearings carried by said front and rear heads, shafts rotatable with said rotors and supporting the same and journaled in said bearings, said casing providing an exhaust chamber communicating with the upper surfaces of said rotors, fluid supply means for said rotors opening through said rib and including passages extending transversely of the engine below the plane of the rotor axes, and relief means constantly in communication with said fluid supply means and including an inwardly opening valve controlled by the pressure within said fluid supply chamber.

1,637,569. DENTAL TRITURATING APPLIANCE. MILUS M. HOUSE, Kansas City, Mo. Filed Nov. 6, 1924. Serial No. 748,070. 3 Claims. (Cl. 32—1.)

1. An attachment for articulators or occluding frames, comprising a denture-holding element adapted for removable connection to the articulator or frame, said element being also adapted for universal floating movement in a single plane, and means for imparting to said element a continuous unidirectional movement of small amplitude.

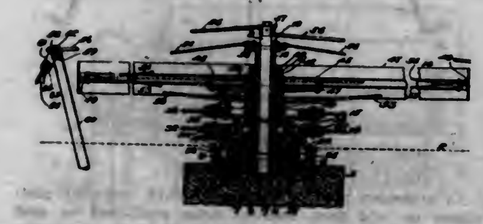


1,637,570. RUNNING BOARD. MATTHEW WALTER HUBER, Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Jan. 12, 1925. Serial No. 1,805. 1 Claim. (Cl. 280—169.)



As an article of manufacture, a running board for vehicles comprising a sheet metal pan-like base containing a hardened originally plastic composition, the base having longitudinally extending elevations of less height than the pan depth, a metal plate fixedly secured to the lower face of the pan and bridging the recess formed beneath the elevations, and bolts for removably attaching the plates to the hanger brackets of the vehicle with the bolt heads accommodated within the recess above the plates.

1,637,571. DUPLEX OIL-WELL PUMPING POWER. HERBERT H. ICE, Muskogee, Okla. Filed July 3, 1926. Serial No. 120,848. 15 Claims. (Cl. 74—14.)



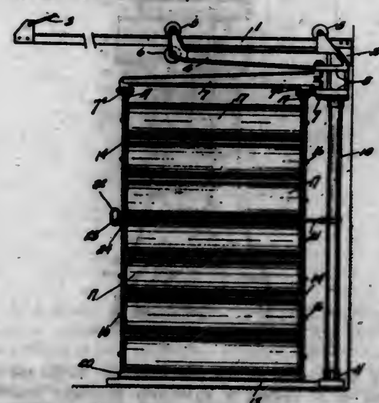
14. In an apparatus of the class described, the combination with a casting, a shaft fastened upon said casting, of a tapered sleeve on said shaft, and a belt wheel and an eccentric adjustably mounted on said tapered sleeve.

1,637,572. METHOD OF MAKING SHEARS. WILLARD A. ISBELL and HENRY H. CANFIELD, Woodbury, Conn. Filed Apr. 5, 1926. Serial No. 99,771. 2 Claims. (Cl. 76—104.)

1. The process of making a shear member for a pair of tension shears, which comprises placing a thin blade of steel upon a supporting shear bow, inserting a separating strip of non-metallic material between the portion of said blade and bow extending from the pivot point to the inner end of said blade, heating said parts to a welding temperature and forcing said blade and bow together under pressure.

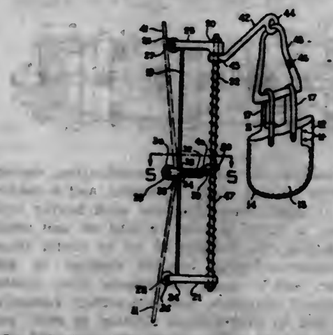


1,637,573. DISPLAY RACK. GUSTAF JOHANSSON, Bay City, Mich. Filed Sept. 10, 1923. Serial No. 661,801. 5 Claims. (Cl. 211—18.)



1. The combination with a fixed rail, of a trolley mounted thereon, horizontally extending hanger arms pivotally secured at their inner ends to said trolley, and spaced apart hanger bars depending from said hanger arms.

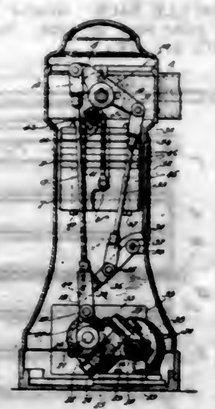
1,637,574. LIFE-SAVING DEVICE FOR CHILDREN. ELIZABETH KARIKAS, McKeesport, Pa. Filed Mar. 6, 1926. Serial No. 92,909. 1 Claim. (Cl. 227—11.)



In a device of the class described, a supporting member comprising a bracket provided with an upper extended portion, and a lower extended portion, at right angles thereto, to accommodate a rod rigidly attached thereto, said bracket provided with an upper yoke and a lower yoke, extended therefrom at right angles, and in an opposite direction to the said upper extended portion and the said lower extended portion, an upper pulley rotatively mounted on a pin rigidly attached to the said upper yoke, a lower pulley, rotatively mounted on a pin rigidly attached to the said lower yoke, an intermediate pulley rotatively mounted on a pin rigidly attached to the extremities of a U shaped support, slidably mounted between protruding portions of the said bracket, and cen-

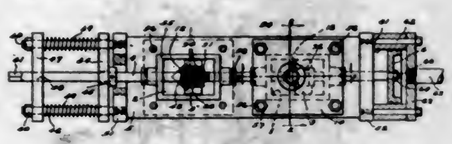
trally positioned on the said bracket, a coil spring disposed between the said bracket and the head of the said support, and held in place by a protruding portion of the said bracket, and a protruding portion of a disc attached to an adjusting screw threadedly attached to the said head of the said support, said adjusting screw provided with a lock nut.

1,637,575. GATE MECHANISM. Max Kushlan and Hugh E. Young, Chicago, Ill. Filed Feb. 14, 1921. Serial No. 444,872. 3 Claims. (Cl. 39—7.)



1. In mechanism of the character set forth, the combination of a casing, a gate arm pivotally connected therewith, means for operating said gate arm, a counterweight, a rod operatively connected with said gate arm eccentrically of its pivot, a lever pivotally supported at one end and connected between its ends with said rod, and a connection between said lever at its onter end and said counterweight.

1,637,576. AUTOMATIC OIL BURNER. Thomas M. Lambeth, Seattle, Wash. Filed May 8, 1926. Serial No. 107,583. 4 Claims. (Cl. 236—8.)

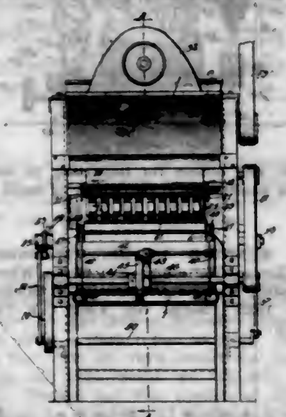


1. In an automatic oil burner, in combination, casings defining separated oil and steam chambers, and a control chamber, said oil and steam chambers each having inlet and outlet ports, a valve in each of said oil and steam chambers controlling the passage of oil or steam therethrough, a pressure-operated control element in said control chamber, and a single continuous stem passing through the several chambers, and operatively connected to said valves and to said control element to shift said valves upon movement of the control element, said stem projecting from said chambers, and means operable upon rotation of said stem for adjustment of one only of said valves relative to its port and independent of the other valve and said control element.

1,637,577. CHOCOLATE-DIPPING MACHINE. Elmo G. Lanzi, Chicago, Ill., assignor to Bonus Candy Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1922. Serial No. 568,142. 14 Claims. (Cl. 91—4.)

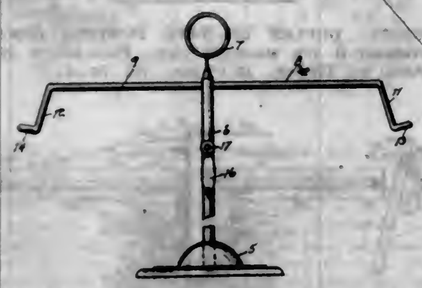
1. In a device of the kind described and in combination, a hopper, carriers, a movable delivery table normally out of the path of movement of said carriers, and a plurality of means for feeding articles from said hopper into said carriers, dipping said filled carriers, forcibly ejecting said articles from said carriers, and for moving said table into the path of the carriers at predetermined intervals so that the dipped articles may be discharged thereon.

12. In a device of the kind described and in combination, a hopper, a dipping vat, a plurality of circumferentially spaced series of cages, a delivery table, means for automatically feeding articles from said hopper simul-



taneously into all of said series of cages, means for dipping the filled cages in said vat, means for discharging the dipped articles onto said table, means for moving all of said cages in unison forwardly a predetermined distance to discharge the dipped contents of one series of cages onto said table and then backwardly half of said distance to fill said emptied series of cages, and means for moving said table in synchronism with the forward movement of said cages to receive said discharged articles thereon.

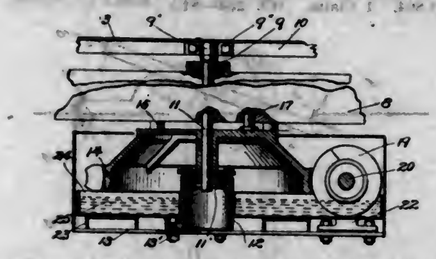
1,637,578. DISPLAY RACK. Walter W. Lewis, San Francisco, Calif. Filed Feb. 26, 1925. Serial No. 11,780. 1 Claim. (Cl. 211—14.)



In a display rack, a base, a standard vertically positioned on said base, resilient arms positioned on said standard, said arms extending horizontally outwardly therefrom, and in opposite directions to each other, said arms being bent downwardly and outwardly so as to form hooked extensions, said hooked extensions serving to support and tension a garter or the like display thereon, and a retaining element positioned on said standard and serving to engage a portion of said garter for the purpose of displaying the same in a stretched position.

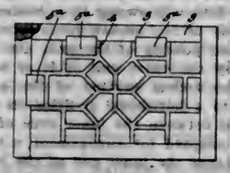
1,637,579. SIGN. Lewis R. Long, Peoria, Ill. Filed Sept. 5, 1925. Serial No. 54,691. 6 Claims. (Cl. 40—76.)

1. In a changeable sign, an actuator comprising a web, having a fixed center shaft projected from one of its faces and having a worm gear rim, a drum having thrust bearing on said shaft, and pins on the web member



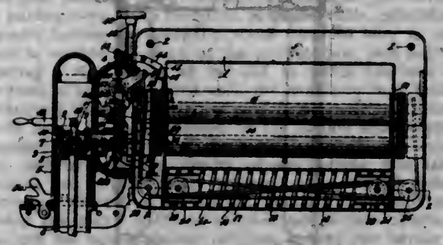
engaging the drum to rotate the drum with the web member, a worm meshing with said worm gear, and means for driving the worm.

1,637,580. TILE WALL OR FLOOR. Charles A. Lowry, Shaker Heights, and Frederick H. Abel, East Cleveland, Ohio. Filed July 17, 1925. Serial No. 44,287. 4 Claims. (Cl. 72—23.)



1. As an article of manufacture, a framed tile slab, comprising a tile facing, a removable surrounding frame, and a backing of hardening plastic material cast while plastic within said frame and behind said facing, said frame thereby accurately fitting the monolithic slab within it and protecting the same during handling and shipping, and said slab upon removal of said frame being adapted for assembly with others to form a tile surface.

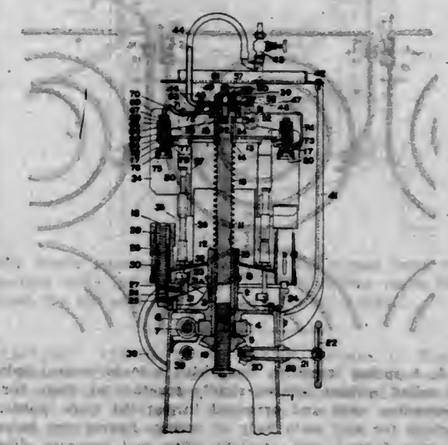
1,637,581. CLOTHES WRINGER. Samuel N. McClean, Detroit, Mich. Filed July 28, 1920. Serial No. 398,938. 12 Claims. (Cl. 68—32.)



1. A clothes wringer provided with companion opposing rolls, a floating spring, and means including cable and sheave mechanism for operatively connecting said spring with the opposite ends of one of the rolls so as to automatically adjust the tension between said rolls.

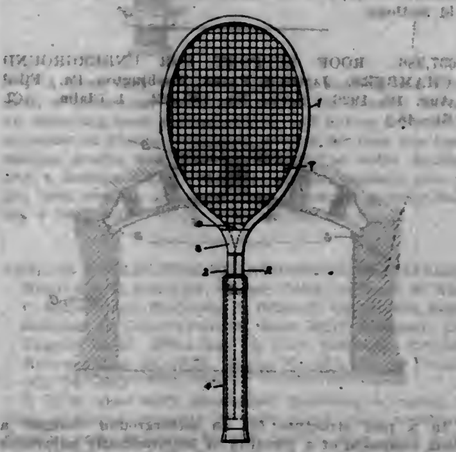
11. A clothes wringer provided with a pair of companion rolls, a wringer frame carrying the rolls and having a cylindrical part formed beneath the rolls, a drip-board movable around the cylindrical part of the frame as a bearing support therefor, a floating spring carried within the cylindrical part of the frame and connected with the opposite ends of the upper roll for automatically regulating the tension between said rolls, and driving means connected with the lower roll.

1,637,582. BOTTLE-FILLING MACHINE. William Meadowcroft, Blackburn, England. Filed July 17, 1923, Serial No. 652,088, and in Great Britain Sept. 19, 1922. 3 Claims. (Cl. 226—98.)



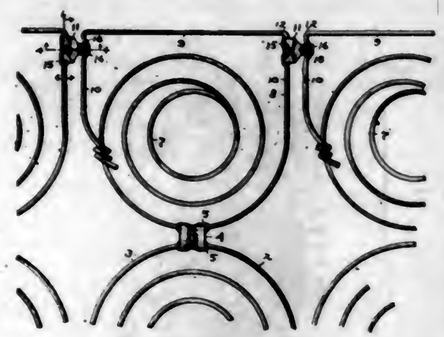
1. In a bottle filling machine, a support provided with a vertical bearing, a sleeve journaled in the bearing, a table secured to the sleeve and provided with bottle rests, a shaft splined to the said sleeve and revolving with it and the table, a top plate secured to the said shaft and provided with bottle filling heads, a spring supporting the said top plate and shaft, adjusting devices for raising and lowering the shaft and top plate, and driving mechanism for revolving the said sleeve.

1,637,583. RACKET FOR TENNIS AND SIMILAR GAMES. Harold W. Norton, Dayton, Ohio, assignor to The Dayton Steel Racquet Company, Dayton, Ohio, a Corporation of Ohio. Filed July 17, 1922. Serial No. 575,586. 1 Claim. (Cl. 273—73.)



A tennis racket frame constructed of channel-section metal having, on its inside perimeter, outwardly-beveled portions containing string-receiving holes.

1,637,584. SPRING CUSHION, MATTRESS, SEAT, AND BED. DAVID T. OWEN and WESLEY G. LEHMANN, Cleveland, Ohio; said Lehmann assignor to said Owen. Filed Oct. 25, 1922. Serial No. 596,716. 2 Claims. (Cl. 5—270.)



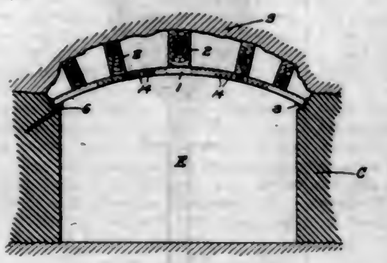
1. A spring structure, comprising a main central body of coiled springs jointed rigidly together at their corresponding ends and arranged in parallel rows, border springs for said main body of springs having end loops of wire formed with straight sides, and separate clips indented into and rigidly united with each end loop of the border springs and hinged to the next adjacent loop co-extensively with the straight sides thereof.

1,637,585. SECTIONAL RAILWAY CAR. ROBERT L. PARKER, Oakland, Calif. Filed Oct. 30, 1924. Serial No. 746,747. 9 Claims. (Cl. 105—4.)



1. A railway car comprising pivotally connected separable sections, trucks supporting the extremities of said car, a common truck arranged to support said sections at their point of connection, and a unitary vestibule mounted for pivotal movement about the pivotal axis of said sections.

1,637,586. ROOF SUPPORT FOR UNDERGROUND CHAMBERS. JAMES S. PATER, Washington, Pa. Filed Aug. 19, 1926. Serial No. 130,222. 1 Claim. (Cl. 61—45.)



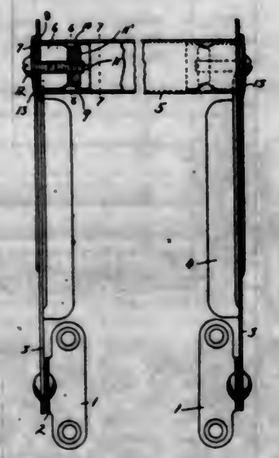
In a roof structure for an underground chamber a beam composed of a plurality of longitudinally adjustable upwardly arched channel-shaped sections nested one within another and pinned one to another through registered pin-holes, the said beam engaging at its ends opposite walls of the chamber, and load supporting members resting on the beam.

1,637,587. WIRE STRETCHER. ERNEST L. PELTS, Rapid City, S. Dak. Filed Jan. 16, 1926. Serial No. 81,804. 1 Claim. (Cl. 254—81.)



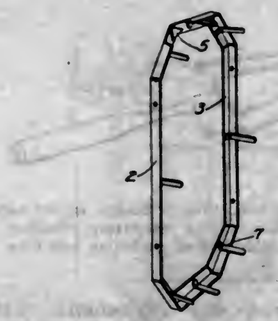
A wire stretcher comprising an arm, the intermediate portion thereof being arched, wire gripping means carried by the outer end of said arm, a lever comprising a pair of parallel spaced flat strips, a block secured between the outer ends of said strips, wire gripping means associated with said block, a hook pivotally secured between the inner ends of said strips, the inner end of said arm being pivotally secured between the spaced strips of the lever at a point adjacent the outer end thereof, the inner end portion of said arm being adapted to be confined between the spaced outer end portions of the strips of the lever when the latter is swung to a horizontal position, whereby the ends of the broken fence wire are disposed within the arched portion of the arm, the wire gripping means carried by the outer end of lever being also disposed within the arched portion of the arm when the lever is swung to a horizontal position in one direction, the hook secured between the inner ends of the strips of the lever being adapted for engagement with the portion of the wire adjacent the inner end of the lever when the latter has been swung to its horizontal position whereby the wire will be held taut.

1,637,588. FOOT REST. ALBERT T. POTTER and ALBERT B. MEDVILLE, Detroit, Mich., assignors to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 7, 1924. Serial No. 684,856. 9 Claims. (Cl. 296—75.)



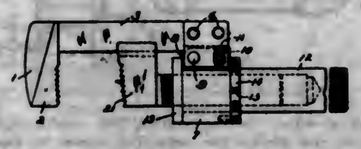
1. In a foot rest, a support, an expansible member, means for rigidly securing said expansible member to said support, a foot rail telescopically engaging said member, and means independent of said first mentioned means for expanding said member for detachably securing said rail thereto.

1,637,589. PICTURE FRAME. EDWARD H. ROBERTS, Kansas City, Mo. Filed Oct. 26, 1925. Serial No. 64,816. 1 Claim. (Cl. 40—156.)



In a device for holding picture elements, a frame element comprising a strip of sheet metal bent longitudinally to form a side rail and a keeper flange and bent transversely to shape the frame, straps having flanges and adapted for seating in the angles formed by rail and keeper flange of the frame, said strap flanges welded to the keeper flange, the straps welded to a limited portion of the said rail that they contact, said straps being adapted for adjustable bending over the said picture elements to hold the same in the device.

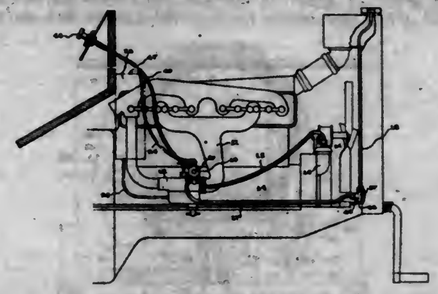
1,637,590. WRENCH. NATHAN H. ROBINSON Braintree, Mass. Filed Apr. 8, 1924. Serial No. 704,954. 2 Claims. (Cl. 81—99.)



1. A wrench comprising a movable jaw having an integral elongate screw threaded shank, said jaw having a guide groove in its rear face, a substantially cylindrical handle having an internally screw threaded bore in one end to receive the shank of the movable jaw, said handle having a fixed flange at the end in which the bore is formed, a holder mounted upon the handle to turn freely relatively thereto, one end of said holder bearing against said flange, a collar secured to the handle and bearing against the other end of the holder to retain the latter in operative position axially of the handle, the last-named end of the holder having a plurality of socket openings therein, a pin carried by the collar, said pin being engageable with any selected one of said openings to lock the handle against rotation, a fixed jaw having a substantially straight and smooth shank slidably engaging the guide grove in the rear face of the movable jaw, and means attaching the shank of the fixed jaw to the holder.

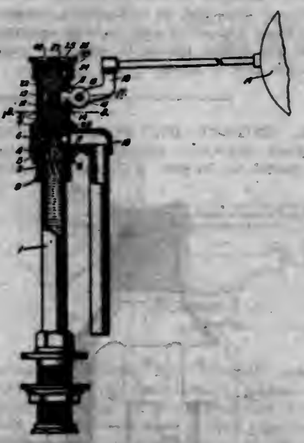
1,637,591. FUEL ECONOMIZER. FRANK H. ROTH, Bay Shore, N. Y. Filed Aug. 25, 1925. Serial No. 52,457. 3 Claims. (Cl. 123—25.)

1. In combination with an internal combustion motor, a mixing valve in communication with the intake manifold of the motor, a conductor effecting communication between the mixing valve and the crank case, a moisture supply conductor connected with the mixing valve, a valve carried by the mixing valve and mounted for fixed setting to regulate the supply from the mixing valve for full load consumption of the motor, and a manually controlled valve interposed between the mixing valve and



the intake manifold for regulating the supply from the mixing valve for variation of load conditions under full load, the last said valve having a remote control.

1,637,592. FLUSH-TANK VALVE. JAMES C. RYAN, Kansas City, Mo., assignor to Ross Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 11, 1926. Serial No. 140,785. 4 Claims. (Cl. 137—104.)

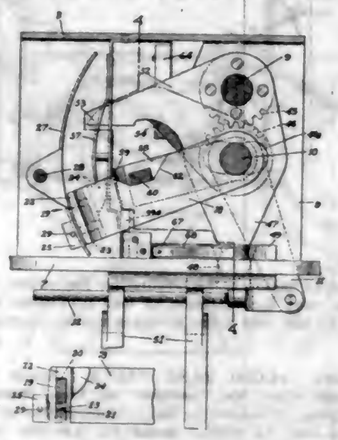


1. A flush tank valve comprising a housing and valve seat, a cylindrical valve slidable in the housing having an operating head seating groove, and having a series of unconnected leakage collection grooves between the head seating groove and the seat end of the valve member and a leakage collection groove at the opposite side of the head seating groove, and an operating member having a head seated in the head seating groove.

1,637,593. SELECTIVE TRANSMISSION MECHANISM. BENJAMIN F. SCHMIDT, Exeter, Calif., assignor to King C. Gillette and Benjamin F. Schmidt, Copartners, doing business as Gillette-Schmidt Gear Shift Company, Los Angeles, Calif. Filed May 12, 1919, Serial No. 296,385. Renewed Jan. 25, 1922. Serial No. 531,734. 5 Claims. (Cl. 74—58.)

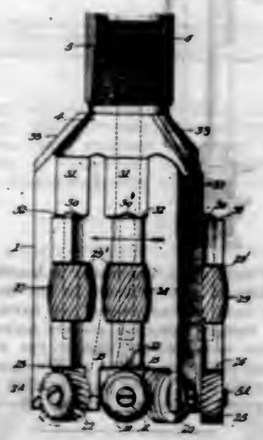
1. In a gear shift mechanism including a casing, a plate having a plurality of open ended slots positioned therein, arms mounted in said casing, gear shift forks operatively connected therewith to move the same and having their ends projecting through the slots in the plate, actuating means for the arms and gear shifting forks, means for selecting any of said arms, a member slidably mounted in the casing adapted to move into any

of the slots to select a gear change, an operating means mounted on the steering wheel of the vehicle, operative connections between the slidable member and said operating means, a sleeve surrounding the connecting means, said connecting means being parted therein and spring



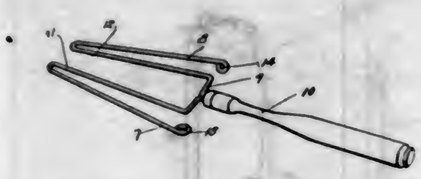
means in the sleeve connected to the parted ends whereby movement of one end of connecting means in either direction when the other end is held against movement, will cause the spring means to compress until such last named end is free to move.

1,637,594. ROTARY BIT FOR DRILLING WELLS. ALEXANDER STEWART, Denver, Colo. Filed Mar. 15, 1926. Serial No. 94,883. 8 Claims. (Cl. 255—71.)



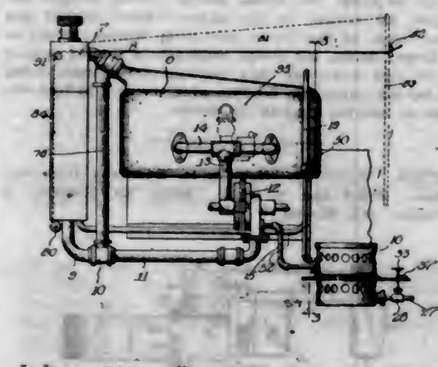
1. The combination in a tubular well drilling bit; of a rotatable stem comprising a water supply pipe, a drill bit consisting of a body portion detachably secured eccentrically to the lower end of the water supplying pipe; said body portion being provided with recesses in its periphery on one side thereof; rotary cutters mounted therein on vertical shafts secured in said body portion; said body portion having its upper end sloping downwardly from its connection with its supporting stem, and radial ridges on said downwardly sloping surface having a cutting edge; said body portion being also provided with radial shafts on its bottom surface provided with a plurality of rotary cutters, arranged to cut out the entire circular area of the bottom of the well hole being drilled by said rotary bit.

1,637,595. MOP. HERBERT M. STURGIS, Kansas City, Mo., assignor to Sturgis Mop Company, a Corporation of Delaware. Filed Dec. 18, 1924. Serial No. 756,700. 4 Claims. (Cl. 15—228.)



1. A mop frame comprising a handle, spaced bars extending from the handle, and rearwardly extending, outwardly diverging spring fingers carried by said bars.

1,637,596. HEATER FOR AUTOMOBILE WATER-COOLING SYSTEMS. EDGAR AMES TURNER, Chicago, Ill. Filed Dec. 30, 1916, Serial No. 139,880. Renewed Oct. 31, 1919. Serial No. 334,885. 19 Claims. (Cl. 123—174.)



5. In a water cooling system, the combination of a radiator, and means for supplying steam to the water in the lower part of the radiator.

10. In a water cooling system, the combination of a water jacket, a radiator, a steam generator and a siphon connection between said steam generator and the said water jacket.

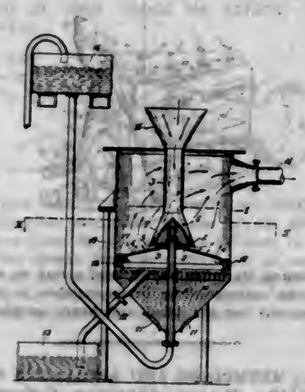
16. In a water cooling system, an auxiliary heating system including a steam generator having a delivering part at a higher level than the water in the water cooling system proper, said generator being in communication with the water in the cooling system.

19. In a water cooling system the combination of a water jacket, a radiator, means for supplying steam to the water in said system, and a by pass for circulating heated water through the water jacket without passing through the radiator.

1,637,597. APPARATUS FOR CLEANING, COLLECTING, OR SEPARATING GASES. GERARDUS JACOBUS ULRICI, Dusseldorf, Grafenberg, Germany. Filed July 21, 1920, Serial No. 397,979, and in Germany Dec. 23, 1918. 4 Claims. (Cl. 261—112.)

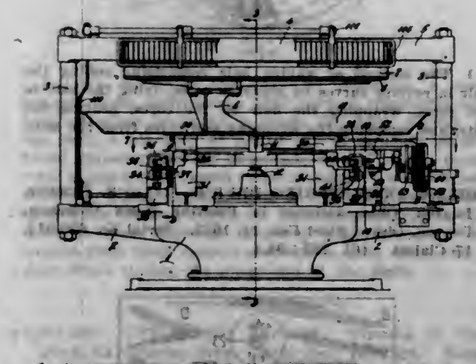
3. In apparatus of the class described, a container, a gas distributer therein, an inlet pipe for conducting gas to said distributer, a baffle plate beneath said gas distributer, said gas distributer consisting of a conical shell having its small end connected to said inlet pipe, a conical member within said conical shell disposed so as to form an annular space or nozzle around the lower edge of said conical shell adapted to direct gas in a thin

blast upon said baffle plate, and means for causing liquid to flow over said baffle plate the lower portion of said container being adapted to collect said liquid, said con-



tainer having a gas outlet above said baffle plate and a liquid outlet below said baffle plate said liquid outlet being adapted to maintain the liquid at a constant level in said container.

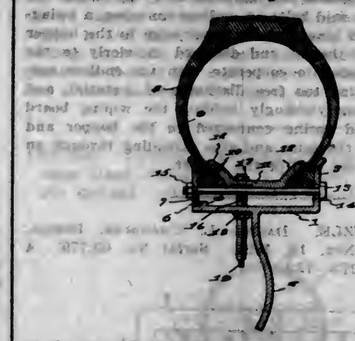
1,637,598. GARMENT PRESS. CHARLES E. WAREAM, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a Corporation of Ohio. Filed Oct. 15, 1921. Serial No. 507,964. 4 Claims. (Cl. 68—9.)



1. A garment press including relatively movable pressing members, a carriage supporting one of said members and movable laterally with said pressing member, said one pressing member being movable towards and from pressing engagement with the other pressing member, fluid means for effecting said pressing engagement between said members, and electric means for effecting lateral movement of said carriage and for controlling said fluid means.

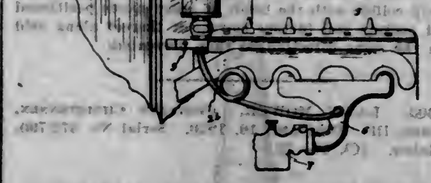
1,637,599. TIRE AND RIM. JAMES C. BALLAW, Akron, Ohio. Filed Sept. 20, 1926. Serial No. 136,629. 2 Claims. (Cl. 152—20.)

2. A rim for wheels carrying pneumatic tires having one of its edges formed with a flanged side, a removable plate for the second side, bolt members between the sides, nuts engaging the bolts, a tire adapted to rest on the bolts, a flat ring member also resting on the bolts, a threaded valve carrying stem secured to the ring member and adjustably secured to the rim or felly, said ring member having flanged sides whose outer faces are arched and formed with continuous ribs and wedge-shaped strips of compressible material arranged between the said flanges



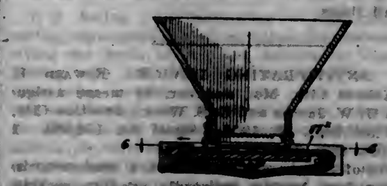
of the ring and the inner thickened sides of the tire, a continuous rib on the inner face of the rim adjacent to the outer end thereof, and a compressible gasket contacting said rib and being in turn contacted by the removable side of the rim or felly.

1,637,600. LUBRICATING APPARATUS FOR INTERNAL-COMBUSTION ENGINES. CHARLES C. BERG, Detroit, Mich. Filed Nov. 15, 1924. Serial No. 750,176. 2 Claims. (Cl. 123—196.)



1. Lubricating apparatus for internal combustion engines comprising an oil container, a hollow cylinder mounted centrally of the oil container and having an opening therein above the oil level, a feed pipe having its upper extremity secured in said opening in the cylinder and its lower extremity immersed in the oil, tubing connecting the cylinder with the manifold of the engine, and means for restricting the flow of oil through the cylinder comprising a wall arranged in the cylinder below said opening and having a restricted aperture therein, whereby oil is evenly drawn through said restricted aperture whenever suction is exerted from the manifold of the engine.

1,637,601. SPREADER. HUGH BUSSEY, East St. Louis, Ill. Filed May 10, 1926. Serial No. 108,025. 1 Claim. (Cl. 221—128.)



In a spreader and in combination, an axle shaft, shafts spaced at opposite sides of the axle shaft, and equipped with sprocket gears, a horisontal table mounted directly

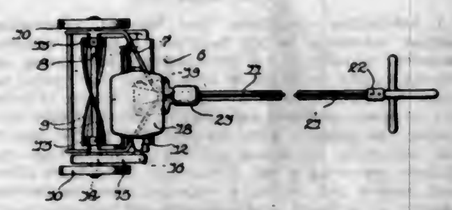
on the axle shaft, a hopper spaced above said table, sprocket belts mounted on the sprocket gears and having horizontal upper stretches disposed between the table and the discharge end of the hopper, transverse blades carried by the sprocket chains and movable over the table, and forming with the said belts an endless conveyor, a swingable wiping board hinged at its upper edge to the hopper at the rear side thereof and disposed exteriorly to the hopper and arranged to cooperate with the endless conveyor in preventing too free discharge of material, and a retractile spring yieldingly holding the wiping board to its work, said spring connected to the hopper and extending across the same and also extending through an opening in the rear wall of the hopper.

1,637,602. PUZZLE. DANIEL L. CHANDLER, Boston, Mass. Filed Nov. 18, 1925. Serial No. 69,779. 4 Claims. (Cl. 273—153.)



1. A puzzle having, in combination, a plate having a slot therein and a series of fingers adjacent to said slot spaced apart and forming pockets, and a plurality of spools each embodying a head and a shank, the shanks being movable along and within said slot and into and out of said pockets, the diameter of each of the shanks of a plurality of spools being approximately equal to the width of said slot, and the diameter of one of the shanks being less than that of each of a plurality of the other shanks, the diameter of the heads of a plurality of said spools being such that as they are slid along said slot they will collide with the heads of other spools positioned in said pockets and further movement thereof along said slot in the same direction be thus prevented.

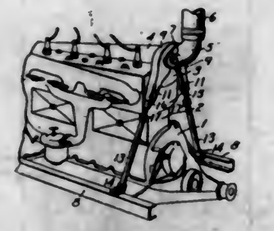
1,637,603. LAWN MOWER. CHRISTEN CHRISTENSEN, Chicago, Ill. Filed Apr. 10, 1920. Serial No. 372,790. 5 Claims. (Cl. 56—26.)



1. In a lawn mower, a mower frame, a shaft carried by said frame, mower bearing wheels carried by said shaft, a cutter carried by said shaft, and a source of driving effort carried by the mower remote from said shaft for driving said cutter, said cutter being disconnected from said bearing wheels and driven independently of said wheels at all times.

1,637,604. ANTIVIBRATING DEVICE. EDWARD E. CLARK, Kansas City, Mo., assignor, by mesne assignments, to H. W. Jacobs and U. S. Weary, Junction City, Kans. Filed Sept. 15, 1926. Serial No. 135,565. 1 Claim. (Cl. 180—64.)

In a device of the character described, a head comprising diverging legs having outwardly opening sockets, tubular brace members each adapted for engaging a chassis bar at one end, a threaded shank slidable in each brace member and extended into a head socket, a collar on each shank slidable in the corresponding head socket, a spring in each socket engaging the contained collar



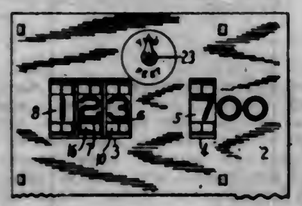
and cushioning its brace shank, and a nut on each shank engaging the corresponding brace member to provide adjustable spread for the head and brace member.

1,637,605. METHOD OF AND APPARATUS FOR WAVING HAIR. MAGNIEN CLÉMENCE, Coffeyville, Kans. Filed Oct. 30, 1926. Serial No. 145,190. 4 Claims. (Cl. 132—33.)



1. The method of waving hair comprising coiling the hair in reverse curves on separate cores, tying the hair to the cores, wrapping the hair on the cores, heating the hair, and removing the wrapping and cores from the hair.

1,637,606. REGISTERING DEVICE. ISAAC S. DEMENT, Dayton, Ohio, assignor to Printing Index Company, Dayton, Ohio. Filed Feb. 24, 1923. Serial No. 620,914. 17 Claims. (Cl. 235—91.)



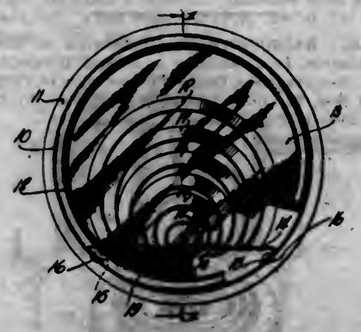
17. In a registering mechanism for a motor or the like, a driving shaft rotatable in either direction, a registering element, an actuating device for said registering element comprising a part having a cam surface, and a rotatable member connected with said driving shaft and arranged to engage said cam surface and cause said actuating device to move said registering element in the same direction when said shaft is rotated in either direction.

1,637,607. SPRING-OPENED CLIPPING SHEARS. WILLIAM M. EGGERS and GEORGE MAHR, Jr., Los Angeles, Calif., assignors of one-third to James R. Townsend, Los Angeles, Calif., and two-thirds to said Mahr. Filed July 21, 1924. Serial No. 727,177. 1 Claim. (Cl. 30—13.)



The unitary spring opened shears set forth having hackles adjustable along the shanks of the shears and flexible connections for the shackles adapted to hold the blades of the shears from spreading out of mesh; said shackles being frictionally held and adapted to be easily adjustable either toward or from the blades of the shears to change the spread limit of the blades.

1,637,608. ANTIGLARE ATTACHMENT. ALBERT A. EHRLICHMAN, Milwaukee, Wis. Filed May 12, 1926. Serial No. 108,555. 3 Claims. (Cl. 240—48.4.)



2. In a device of the character described, a shell adapted to be secured to a head light, a transverse support extending horizontally across the lower portion of the shell, a plurality of nested curved members of different diameters having their ends secured to the transverse support, said curved members being of a width substantially equal to the width of the shell and having their walls inclined forwardly and downwardly, the distance between adjacent members being gradually decreased from their central portions to their ends, and a glass front closing the outer end of the shell.

1,637,609. PNEUMATIC SANDER. THOMAS S. GILMORE, La Grande, Oreg. Filed Dec. 15, 1926. Serial No. 154,957. 4 Claims. (Cl. 291—11.)



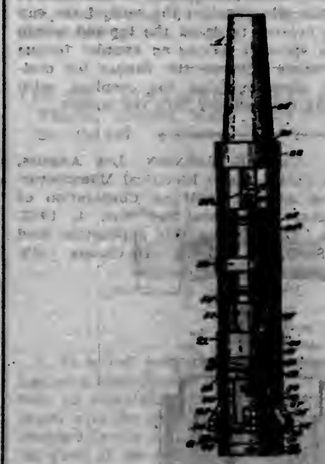
2. In a sanding device, the combination of; a casing having an intake, a curved passage extending therefrom to an outlet directed at a convenient upwardly inclined angle, the lower portion of said passage forming an approximately horizontal trap, a chamber adjacent to said outlet, having a downwardly facing discharge outlet, an air recess above the chamber, having a first duct extending therefrom into and toward the central part of said curved passage outlet at a pre-determined angle, a valve seated in the upper end of said duct, a second duct extending from said recess into said chamber for discharge therefrom toward the central part of the chamber outlet and a valve seated in the upper end of said second duct.

1,637,610. CURRENT-INTERRUPTING DEVICE. ALFRED HERZ, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 696,491. 12 Claims. (Cl. 200—113.)



1. In combination, a body of insulating material having a groove therein, terminals for the ends of the groove, a body of conducting liquid in the groove connecting the terminals, and an opening in the side walls of the groove for defining the height of the liquid in the groove.

1,637,611. BORING MECHANISM. JOHN T. HISCOCK, Chicago, Ill. Filed Jan. 12, 1925. Serial No. 1,867. 8 Claims. (Cl. 77—58.)



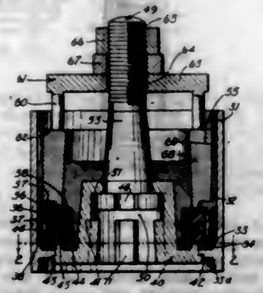
1. A boring tool comprising a supporting member, cutting-edge-equipped devices adjustable thereon for regulating the depth of cut, and devices for separately adjusting said first named devices, said last named devices being movable toward and away from each other and one thereof being formed of fingers spaced apart and the other thereof formed of a member having ribs thereon alternately disposed relative to said fingers and adapted to intermesh therewith, said parts being so constructed and arranged that said last referred to member may extend into the space surrounded by said fingers in the intermeshed condition of said ribs and fingers.

1,637,612. HIGH-PRESSURE GREASE COUPLING. WALTER F. HUNDEMER, Alameda, Calif., assignor, by mesne assignments, to Gat Gun Lubricating Corporation, Oakland, Calif., a Corporation of California. Original application filed July 21, 1924, Serial No. 727,342. Divided and this application filed June 1, 1925. Serial No. 33,097. 2 Claims. (Cl. 285—168.)



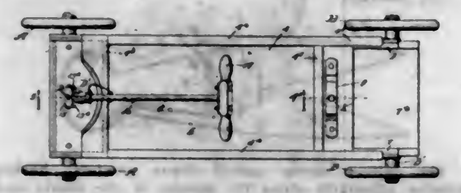
1. A fitting, formed with a tapered mouth and an enlarged base portion, a coupling comprising a cup formed with a perforation in the bottom thereof allowing the latter to slide over the tapered mouth and against the enlarged base so as to form a groove defined by the bottom and the side wall of the cup and the tapered mouth of the fitting, and in which the bottom of the groove joins the tapered mouth at the bottom end of the taper, an annular U shaped washer in said groove having an outer flange lying against the wall of the cup and an inner flange tapered to fit on the tapered mouth of the fitting and a spreader having an annular tongue extending into the space between the flanges for positioning the washer when applying the coupling, with yielding means urging the spreader into the washer.

1,637,613. MOLD. CARL E. JOHNSON, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a Corporation of California. Original application filed Nov. 4, 1925, Serial No. 66,879. Divided and this application filed Sept. 15, 1926. Serial No. 135,672. 10 Claims. (Cl. 22—116.)



1. A mold comprising: a body adapted to receive laminations; a core adapted to extend inside said laminations, having means for engaging a lower lamination; a cap adapted for insertion into said body, having means for engaging an upper lamination; and means for clamping said cap and said core in a manner to compress said laminations.

1,637,614. COASTER WAGON. WALTER R. KOHLER, Janesville, Wis., assignor to Janesville Products Company, Janesville, Wis., a Corporation of Wisconsin. Filed May 29, 1926. Serial No. 112,552. 5 Claims. (Cl. 280—87.5.)



1. In a coaster wagon, a body, parallel front and rear steering posts journalled therein and geared together, the front post carrying a pivoted tubular socket-member and the rear post carrying a fixed tubular socket-member, a front axle carrying the front steering post, wheels journalled on said axle, wheels supporting the rear portion of said body, and a steering-handle having a shaft adapted to fit in either of said socket-members and interlock therewith, and means for securing said shaft in either socket-member.

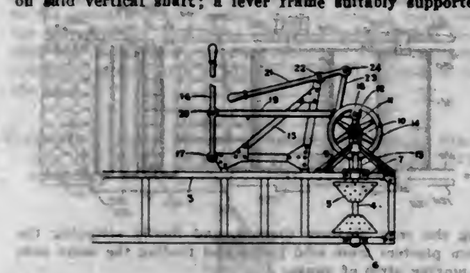
1,637,615. RADIOCOMPASS. FREDERICK A. KOLSTER, Washington, D. C., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed Nov. 22, 1920. Serial No. 425,834. 17 Claims. (Cl. 250—11.)



1. Apparatus for determining the bearing and sense of bearing of a source of electro-radiant energy, comprising a closed circuit having a directional characteristic and including an element rotatable to a position corresponding with the bearing of said source, a plurality of reactances in said circuit, an antenna path connected to a point between said reactances, said reactances being relatively variable to render said closed circuit symmetrical with respect to said antenna path, receiving apparatus subjected to the received energy, and means for rendering said closed circuit unsymmetrical with respect to said antenna path without change of setting of said reactances for determining the sense of bearing of said source comprising a further reactance, and switching mechanism for bringing it into symmetry-disturbing relation with respect to said reactances.

1,637,616. HAND FEED FOR DRAG-SAW MACHINES. VALENTINE JOHN KOSIANCIC, Crescent Valley, British Columbia, Canada. Filed Nov. 11, 1924. Serial No. 749,165. 1 Claim. (Cl. 143—63.)

In a hand feeding device for drag saw machines; the combination with a runway and revolving log carrying drums mounted on a shaft suitably journalled in said runway; of a pinion carried at the outer end of said shaft; a second shaft suitably supported from one side of said runway and at right angle to first said shaft; a pinion mounted on said second shaft, adapted to mesh with and drive first said pinion; a crank wheel mounted on said vertical shaft; a lever frame suitably supported



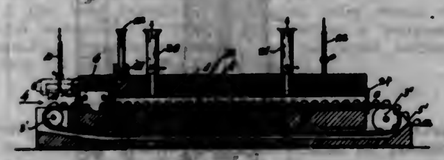
from said runway; a drive lever pivotally mounted at one end to said frame; a drive link between said drive lever and said crank wheel; an auxiliary lever fulcrumed on said frame and a connecting link between said drive link and the end of last said lever.

1,637,617. BAKING UTENSIL. BLANCHE RING KRALIK, Chicago, Ill. Filed Sept. 14, 1925. Serial No. 56,362. 2 Claims. (Cl. 53—6.)



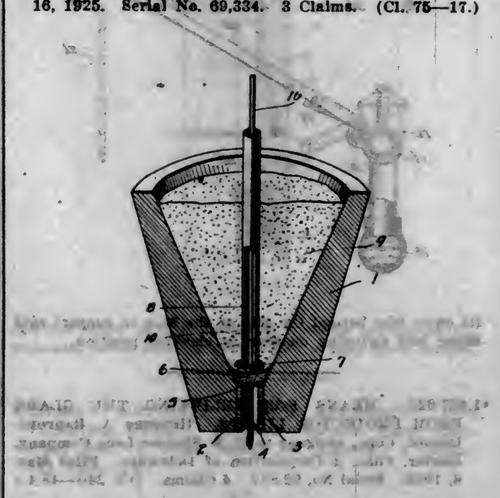
1. A cooking utensil comprising a pan-like body having relatively thick walls for the sides and bottom, a tubular center core open at both ends and tapering throughout its length with its walls of the same thickness as the sides and bottom of the body, a relatively thick cover for the body and core having a tight fitting joint with the top of the core, said cover having perforations therethrough communicating with the pan body and an aperture communicating with the core, and means carried by the cover for controlling the passage of heat and steam through the perforations and aperture.

1,637,618. BAKING OVEN. FRIEDRICH KÜHTZ, Cannstatt, Germany. Filed June 15, 1925, Serial No. 37,207, and in Germany June 17, 1924. 6 Claims. (Cl. 107—57.)



5. A baking oven comprising a substantially horizontal conveyer movable in said oven, a movable hood extending over said conveyer located at the entrance of said oven and arranged to be coupled with and to travel a limited distance with said conveyer, steam supplying means connected with said hood, means for moving said hood relatively to said conveyer, a flange on said hood, and a check on said oven for limiting the motion of said hood.

1,637,619. METHOD OF PRODUCING WELDING METAL. ANTON LUCAS, Kansas City, Mo. Filed Nov. 16, 1925. Serial No. 69,334. 3 Claims. (Cl. 75—17.)



1. The method of effecting alumino-thermic reaction, consisting of locating an ignition element in the bottom of a crucible, locating an ignition conduit above said element, locating an alumino-thermic mixture within the crucible above the ignition element and about the conduit, and passing an igniting element through the conduit to the ignition element.

1,637,620. NUT-LOCKING DEVICE. KENNETH MACKENZIE, Taunton, Mass. Filed Nov. 24, 1926. Serial No. 150,447. 4 Claims. (Cl. 151—52.)

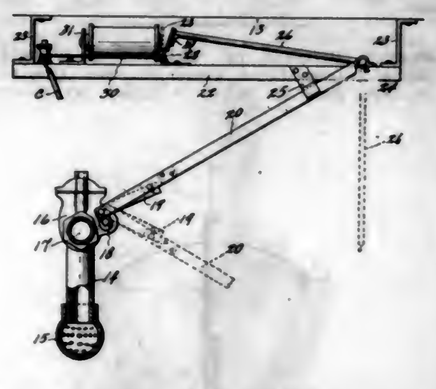


1. In a nut lock, the combination with a bolt and a nut, of a locking plate provided with a hole to receive the bolt, an annular series of inclined resilient tongues integral with the plate abutting against the nut and wholly enclosed by the nut, and interspaced shields integral with the plate at the edge of the hole projecting in a direction away from the nut.

1,637,621. AUTOMATIC FIRE SPRINKLER SYSTEM. HENRY M. MINNIS, Wylie, Tex., assignor of one-third to Etta A. Thomas and one-third to John H. Finch, Wylie, Tex. Filed July 2, 1926. Serial No. 41,010. 1 Claim. (Cl. 137—139.)

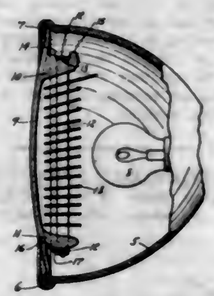
A valve controlling means for a fire extinguishing system comprising a pivoted valve, a swinging member extended from the pivot thereof, a base, a rock shaft having a horizontally disposed portion pivoted thereon and formed with a supporting lug at one side of the base to lie beneath said member and an elongated gravity finger

at the opposite side of the base, a magnet upon the base, and a cooperating armature having a shoulder upon



its outer face beyond the side of the base to support said finger and swinging member in elevated position.

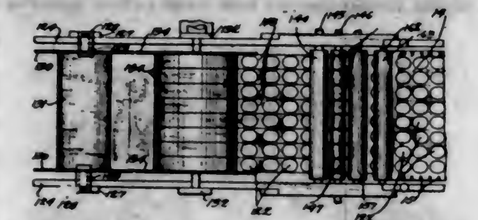
1,637,622. MEANS FOR RELIEVING THE GLARE FROM PROJECTOR LIGHTS. HERBERT A. RADFORD, Denver, Colo., assignor to U. S. Shutter Lens Company, Denver, Colo., a Corporation of Delaware. Filed Mar. 6, 1926. Serial No. 92,817. 4 Claims. (Cl. 240—48.4.)



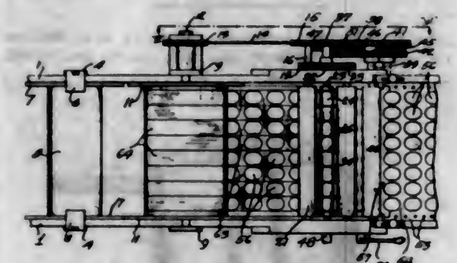
3. In means for relieving the glare from projector lights, the combination of a closure lens therefor that is provided with a plurality of lugs extending from the rear face thereof, one of said lugs being formed with a seating recess and another with a snap-in socket, and a non-glare masking device directly supported by said lugs in proximate association with the aforesaid rear face of said lens, which masking device embodies an open frame support containing a vertical series of appropriately spaced and forwardly declining laterally disposed reflecting vanes, and one portion of said open frame support being adapted for seating within said seating recess, while another portion thereof is provided with a snap-in spring element for projection within said snap-in socket.

1,637,623. METHOD OF MAKING CORN PLASTERS. OTTO G. SCHMITT, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a Corporation of New York. Filed July 13, 1925. Serial No. 43,423. 8 Claims. (Cl. 154—2.)

1. The method of producing corn plasters consisting of applying layers of adhesived material in superimposed relation on stationary plates, punching the material and picking out the punched parts, then applying an additional layer of adhesived material on the punched layers of material on said plates after which the layers of material are again punched to produce corn plasters on said plates, stripping the waste material from said plates and leaving the corn plasters thereon, and finally stripping the corn plasters from said plates and feeding the same onto a moving strip of gauze.

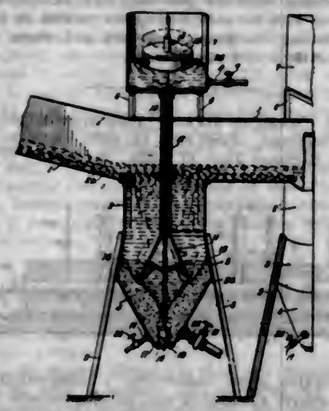


1,637,624. CORN-PLASTER MACHINE. OTTO G. SCHMITT, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a Corporation of New York. Filed July 13, 1925. Serial No. 43,424. 20 Claims. (Cl. 154—1.)



1. A corn plaster machine comprising a frame, presser rolls mounted thereon, a cutter positioned between said presser rolls, means for supplying a strip of gauze to said pressure rolls, a corn plaster carrying plate movably mounted on said frame, a stripper mechanism, and means for operating said presser rolls, said cutter and said plate to permit the stripper device to strip the corn plasters from said plate and deliver the same onto said strip of gauze.

1,637,625. SAND CLEANING AND CLASSIFYING DEVICE. EDMUND SHAW, Chicago, Ill. Filed May 20, 1926. Serial No. 110,403. 1 Claim. (Cl. 209—158.)



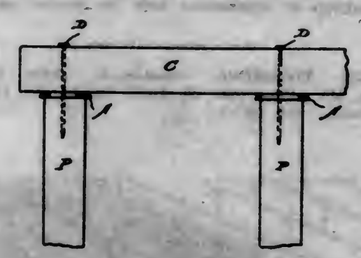
In a device of the character described, a receptacle for material to be cleaned, having a lower valved outlet and an upper overflow outlet, a cleaning fluid tank having a supply intake, a conduit leading from the tank into the receptacle and having a flared terminus above the valved outlet co-operative with material accumulated in the receptacle to variably restrict flow from said conduit to the overflow outlet, a float in said tank, a valve for the valved outlet, and a rod extending through said conduit and connecting the float and the valve, whereby operation of the valve is effected by variation of level in the tank.

1,637,626. SIGN. WALTER H. SMITH, Tulsa, Okla. Filed Aug. 21, 1926. Serial No. 130,669. 1 Claim. (Cl. 40—132.)



A sign comprising a rim portion formed of spaced rings forming a lamp box and central openings and having outwardly facing grooves at their inner edges, brackets secured to and extending between the inner edges of said rings, a housing ring secured to the outer edges of said rings, closing the lamp box, concavo-convex lenses having their edges seated in said outwardly facing grooves, keeper plates attached to the rim rings and overlying the lenses, and lamp sockets mounted on said brackets and extending into said rim portion.

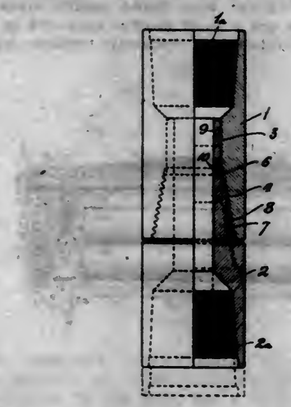
1,637,627. PILE-HEAD PROTECTOR. WILLIAM W. WANNAMAKER, Jr., Orangeburg, S. C. Filed Mar. 9, 1926. Serial No. 93,458. 1 Claim. (Cl. 61—54.)



A pile head protector including an outer casing of metal comprising a circular body having a marginal depending frusto-conical flange, and an elastic cushion within the casing and cemented thereto.

1,637,628. TOOL JOINT. EDWIN C. WEISGERBER, Long Beach, Calif. Filed Nov. 15, 1926. Serial No. 148,433. 4 Claims. (Cl. 285—146.)

1. A coupling device for connecting lengths of drill pipe comprising two sections each having a longitudinal perforation and formed for attachment to a length of drill pipe, the sections respectively provided with interengaging threads, and one section having a recess for collecting foreign accumulations displaced during the interengagement of the threads of the respective sections



and the other section having an opening communicating with said recess and the perforation of said other section.

1,637,629. METHOD OF AND APPARATUS FOR PUMPING WELLS. IRWIN B. WINSOR, Tulsa, Okla. Filed Dec. 31, 1926. Serial No. 158,353. 4 Claims. (Cl. 103—179.)

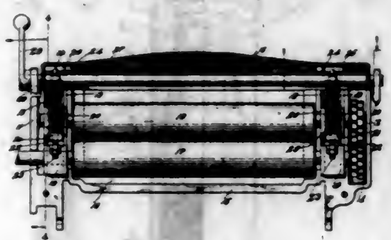


1. In combination with well casing, a packer in the casing, a liner suspended from the packer and communicating with the casing above the packer, a pump barrel suspended from the liner, a standing valve in the pump barrel, a hollow pump rod in said barrel connecting with the liner, a piston in said barrel having an upwardly opening valve controlling flow between the barrel and rod, an upwardly opening valve on the rod controlling flow between the rod and liner, and means for operating the pump rod.

1,637,630. WRINGER. ALPHEUS W. ALTORFER, Peoria, Ill. Filed May 27, 1925. Serial No. 33,176. 14 Claims. (Cl. 68—32.)

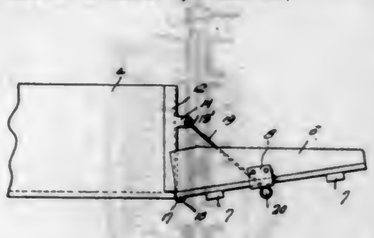
1. In a wringer, a main frame, the end members thereof being provided with channelways for supporting members of the wringer rolls, a wringer roll supported by the main frame, a detachable head member, a roller member supported by the head member, resilient means inter-

posed between said last named roller member and the head member, releasable interlocking means including locking members on the main frame having arcuately fashioned portions and a shaft member supported in the head member provided with cut-away portions trans-



versely thereof for cooperation with the arcuate portions of the locking members on the frame, whereby optional release or interlock may be effected between the frame and head member and coordinately effect release of pressure on the rolls or effect pressure on the rolls.

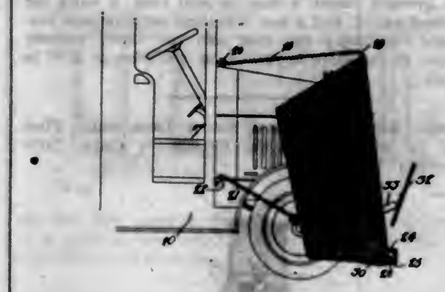
1,637,631. END-GATE SCOOP BOARD. TJEBBE DURK BEINTEMA, Leighton, Iowa. Filed Nov. 13, 1926. Serial No. 148,203. 2 Claims. (Cl. 296—58.)



1. In a combined end gate and scoop board for wagon bodies, a unit constructed for detachable association with the rear end of the wagon consisting of a pair of vertical hollow posts interconnected at their lower ends and being provided at their inner edges with vertical slots for receiving the edges of the wagon body side boards, said side boards being provided with vertical cleats for engagement within the posts to prevent the disengagement of the unit from the body other than in a vertical manner, a combined end gate and scoop board proper hingedly connected to the bottom portion of the unit, means for supporting the board in a vertical or inclined position with respect to the unit, said means consisting of rearwardly extending tongues formed upon the rear sides of the posts for engagement through openings in the board proper, rods pivotally connected at their outer ends to the ends of said tongues and having heads on their opposite ends for engagement with the board to support the same in an inclined position, and means whereby the rods may be secured in overlapping horizontal position upon the rear side of the board for supporting the board in a vertical end gate assuming position.

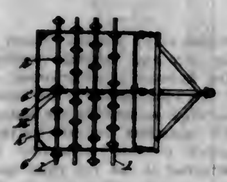
1,637,632. VEHICLE FENDER. WILLIAM F. BROWN, Tottenville, N. Y. Filed Nov. 29, 1926. Serial No. 151,466. 10 Claims. (Cl. 293—45.)

2. A safety device for vehicles comprising a fender having a front panel, and inclined side panels, the fender being normally arranged in front of the vehicle, and means whereby the fender may be swung away from in



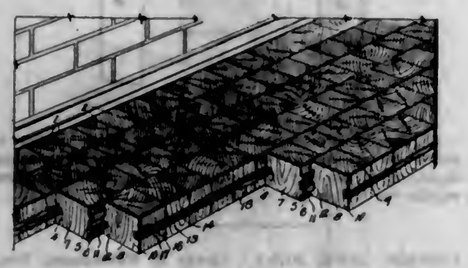
front of the vehicle to permit access to the entire front of said vehicle.

1,637,633. HARROW. CECIL JOHN BUSWELL, Wallingford, England. Filed July 19, 1923, Serial No. 652,599, and in Great Britain July 24, 1922. 4 Claims. (Cl. 55—34.)



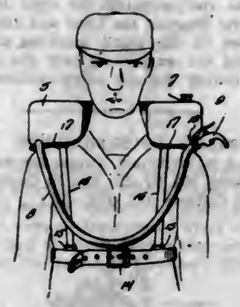
1. A harrow comprising a frame, a plurality of transverse tooth carrying bars journaled thereto, a central bar having hangers with openings of larger diameter than the diameter of the tooth carrying bars, bushings slidable upon the tooth carrying bars, cams adjustable upon a portion of the bushings, and means on the bar for holding the bushings in engagement with the hangers and the cams.

1,637,634. FLOORING. CHARLES J. CARTER, Kansas City, Mo. Filed Feb. 28, 1927. Serial No. 171,422. 6 Claims. (Cl. 20—8.)



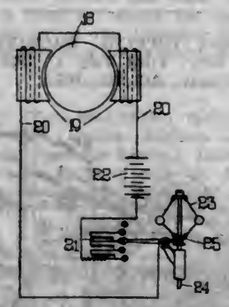
2. As an article of manufacture, a unit comprising paired strings of blocks, the strings having grooves on their opposite faces, a spline to be received by opposed grooves of units assembled in a floor, and means for securing one unit to another.

1,637,635. LUBRICANT-TRANSPORTING RECEPTACLE. MARSHAL D. CORLEY, Norphlet, Ark. Filed Nov. 8, 1926. Serial No. 147,087. 1 Claim. (Cl. 224—5.)



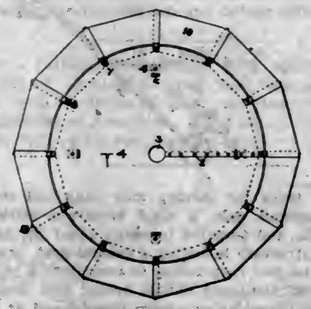
In a lubricant transporting device, a closed receptacle of substantially C-formation, said receptacle being adapted to be disposed for rest upon the shoulders of a person, a discharge pipe associated with the receptacle, and means for rigidly securing the receptacle in position on the shoulders, said means comprising a lug depending from the bottom of the C-shaped receptacle at the intermediate portion thereof, a vertical arm adapted for disposition against the back of a person, the upper end of said arm being pivotally secured to said depending lug, a waist encircling strap secured to the lower portion of the arm, a pair of front strap members secured at their upper ends to the free ends of the C-shaped receptacle, and loops carried by the front end of the waist encircling strap to which the lower ends of the vertical strap members are attached.

1,637,636. CONTROL OF PRIME MOVERS. ERIC CRAWDSON, Kendal, England. Filed Mar. 24, 1926, Serial No. 97,044, and in Great Britain Apr. 1, 1925. 6 Claims. (Cl. 188—180.)



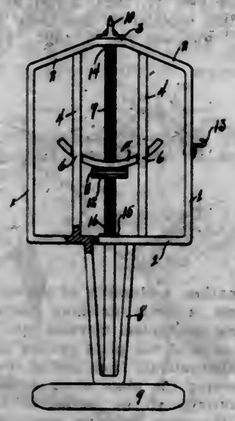
1. Apparatus for controlling the speed of prime movers comprising a metal element rotated from the prime mover, electromagnets creating an electromagnetic field through which the said element rotates thereby creating eddy currents and setting up an artificial load on the metal element, a governor driven from the said prime mover, and means to control the circuit including the said electromagnets by the said governor.

1,637,637. ADJUSTABLE BROODER HOVER. FREDERICK FRENGLE, Cotati, Calif. Filed May 4, 1926. Serial No. 106,612. 5 Claims. (Cl. 119—32.)



1. An adjustable brooder hover comprising, a top piece, a plurality of joined extension members attachable to the edge of the top piece, and a band secured to the top piece for maintaining the extension members at the edge of the top piece.

1,637,638. OPENER AND CLOSER FOR JARS AND THE LIKE. CHARLES V. HATZFELD, Mineral Wells, Tex. Filed July 6, 1924. Serial No. 724,458. 4 Claims. (Cl. 81—3.1.)

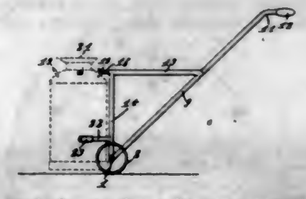


1. A vessel opener and closer comprising a frame having an opening in one end and having the front end angular for forming a gripping member and longitudinal guide members integral with said frame, a screw shaft operating in said opening, and a curved gripping member engaged by said shaft and actuated thereby and having cut-outs for receiving said guide members whereby said curved gripping member is guided in its longitudinal move, said gripping member and said angular frame member having inclined teeth.

1,637,639. MANUFACTURE OF BROOMS. ORLIE A. HAWKINS, Lamar, Colo. Filed Dec. 10, 1925. Serial No. 74,628. 2 Claims. (Cl. 300—21.)

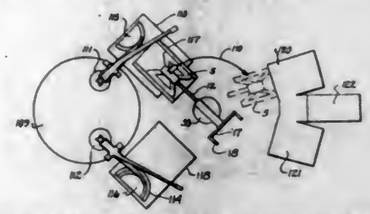
1. The method of treating the blades of the yucca plant for forming straws to permit the same to be used in the manufacture of brooms, baskets and the like, which consists of subjecting the blades to a high temperature so as to dry the same, then flattening out the blades, and finally cutting the same into strips of substantially the same width.

1,637,640. HAND TRUCK. WALTER HENDRICKS, Pendleton, Oreg. Filed June 19, 1923. Serial No. 646,391. 2 Claims. (Cl. 280—53.)



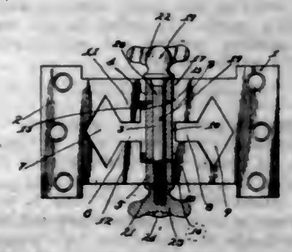
1. In a truck for moving milk cans and the like, a wheel supported axle, a rigid structure extending upwardly from and mounted to swing about the axis of the axle, said structure including a central post, arms diverging from the post cooperating to constitute a can embracing yoke, an elongated handle behind and fixed relative to the post extending upwardly therebeyond at an angle, a forwardly extending connection between the post and handle, and a can lifting member fixed relative to the post and extending forwardly therefrom, said member constituting means for extending under and engaging the handle of a can to lift the can when the post is swung to an upstanding position and to support the can in a vertical position along the post and within the yoke.

1,637,641. STEREOTYPE-PLATE MECHANISM. ALBERT A. HENZI, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Original application filed Feb. 17, 1921, Serial No. 455,863. Divided and this application filed July 8, 1922, Serial No. 573,752. Renewed Jan. 5, 1927. 17 Claims. (Cl. 22—3.)



1. In combination, a plurality of stereotype plate casting mechanisms, a plate finishing mechanism, and a single delivering mechanism movable into operative relationship with each of the plate casting mechanisms, for taking plates alternatively from any of the casting mechanisms and moving the plate along a circular path beginning substantially at the casting mechanism and delivering it to the plate finishing mechanism.

1,637,642. FRICTION HINGE. ROLAND C. HILTON, Hollywood, Calif., assignor, by direct and mesne assignments, to Joseph Berman, Los Angeles, Calif. Filed Mar. 10, 1926. Serial No. 93,591. 2 Claims. (Cl. 16—140.)



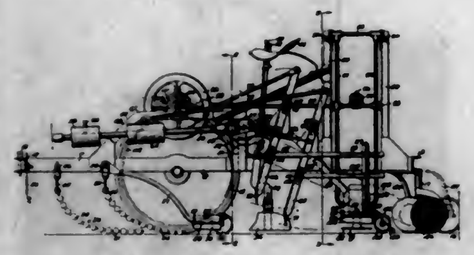
1. A friction hinge comprising in combination a pair of hinge leaf elements, each leaf having a web portion, a part to be connected to a door or a door jamb and a hub portion, said various portions being substantially in one plane, one of the leaf elements having a slot in the web with hubs spaced apart on opposite sides of the slot, the other hub element being rigid and having a central hub, washers, each having a flat annular portion and a rim, the rim having a cut-out section, said washers being fitted between the connecting hubs with the cut-out portion of the rim engaging the rigid leaf element, a pintle extending through the hubs and the washers, and a nut threaded on the pintle allowing pressing of the outer hubs and the washers against the inner hub, the leaf element having the slot being resilient.

1,637,643. CHILD'S ROCKING-HORSE. CONRAD HOFMANN, Berirk Schluckenau, Czechoslovakia. Filed Mar. 25, 1926, Serial No. 97,427, and in Czechoslovakia Jan. 24, 1925. 2 Claims. (Cl. 272—53.)



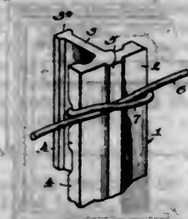
1. A travelling rocking horse comprising in combination with the hollow body of the horse open in the lower surface, a spindle in the front part of said body, a pair of front legs pivotally mounted at the front corner of the upper end on said spindle, a rod connecting the one with the other the legs of the front pair, a spindle in the rear part of said body, a pair of hind legs pivotally mounted at the front corner of the upper end on said rear spindle, a rod rigidly connecting the one with the other the two legs of the hind pair, rockers under said front legs, rockers under said hind legs, spreading springs fixed between the pairs of legs and acting upon said rods for pushing the front legs and hind legs away from one another, locking hooks oscillatably suspended on said spindles and having each a notch designed to receive said cross rods of the pairs of legs, a central vertical piece having a large top end against which said legs are pressed when said rods are caught by said locking levers, and a horizontal detent element for holding said locking hooks in the locking position.

1,637,644. BEET-TOPPING MACHINE. GENSUKE ISAGO, Ely, Nev. Filed July 1, 1926. Serial No. 119,864. 8 Claims. (Cl. 55—107.)



1. A machine of the class described comprising a vehicle, a pivoted hanger supported by said vehicle, knife means mounted upon said hanger, and means for counterbalancing said hanger comprising a weight having its effective leverage normally fixed, and another weight having its effective leverage automatically varied in accordance with the height of vegetation being cut by the machine.

1,637,645. FENCEPOST. HAROLD C. JONES, Chicago, Ill.; George H. Jones administrator of said Harold C. Jones, deceased. Filed Aug. 18, 1923. Serial No. 658,046. 3 Claims. (Cl. 189—23.)



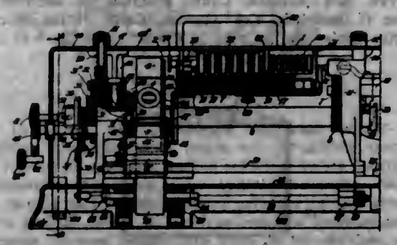
1. A fence post consisting of a metal bar having a main web and a transverse web arranged in T-form, said transverse web having smooth marginal portions on its outer face and rows of lugs spaced apart along the inner edges thereof, and forming notches therebetween, adapted to be engaged by fastening members for the purpose described.

1,637,646. VARIABLE CONDENSER. HISAICH KIMURA, Los Angeles, Calif. Filed Jan. 7, 1925. Serial No. 1,067. 8 Claims. (Cl. 175—41.5.)



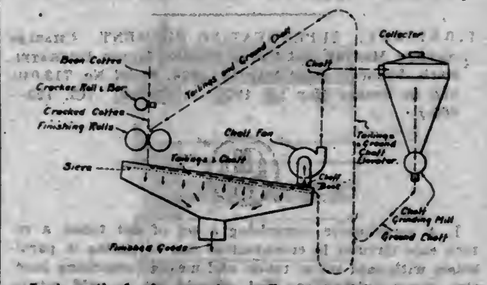
1. A variable condenser comprising a stationary conducting element, an annular dielectric surrounding and contacting with the conducting element, a flexible conducting element, a rotatable member about which the flexible conducting element is normally wound, means by which the rotatable member is movable bodily and concentrically about the di-electric, and means for rotating the member about its own axis when bodily rotated by said means to wind or unwind the flexible conducting element on or off of the di-electric according as the member is bodily rotated in one direction or the other.

1,637,647. POSTAL FRANKING MACHINE. EDWARD HENRY KINNARD, London, England, assignor to Universal Postal Frankers Limited, London, England, a British Company. Filed July 12, 1924, Serial No. 725,741, and in Great Britain July 27, 1923. 5 Claims. (Cl. 101—91.)



1. A postal franking machine comprising a rotary printing drum bearing cancellation and dating dies, a roller carried in the printing drum, a number of stamp impressing dies each of a different value disposed around the periphery of said roller and adapted to be brought selectively into printing position and means whereby repeated impressions of the stamp die may be made without repeating the cancellation and dating markings.

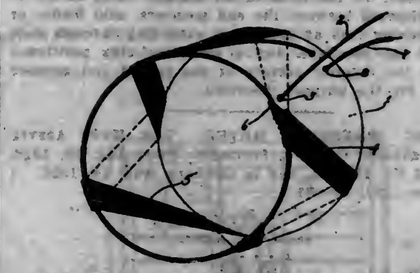
1,637,648. COFFEE PRODUCT AND METHOD FOR MAKING IT. JOSEPH L. KOFF, East Orange, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 1, 1926. Serial No. 138,876. 8 Claims. (Cl. 99—11.)



5. A method of preparing coffee comprising separating the chaff and a portion of the finely ground coffee from the main portion of the coffee during the grinding process, grinding this chaff and coffee separate from the main portion of the coffee, and then mixing this additionally ground material with the main portion of the coffee.

8. A non-stratifying substantially homogeneous coffee product adapted for percolation comprising cut coffee combined with chaff cut and separately ground to a desired size and in substantially the proportion occurring in the bean.

1,637,649. INDUCTANCE. STANLEY KUPKA, Chicago, Ill. Filed July 25, 1925. Serial No. 46,097. 1 Claim. (Cl. 175—359.)



An inductance comprising a tube formed of insulating material, and a wire having one end projecting through an opening in said tube, said wire being wound around said tube and having the other end project through another opening in said tube, the windings of said wire forming groups of wire portions disposed diagonally across the outer and inner surfaces of said tube, said groups being spaced apart.

1,637,650. ELECTRIC TRUNCHEON TORCH. ALEXANDER MCMURRAY, Auburn, Sydney, New South Wales, Australia. Filed Apr. 25, 1925, Serial No. 25,878, and in Australia Nov. 5, 1924. 2 Claims. (Cl. 240—64.)



1. A truncheon torch comprising a weighted hollow body, a detachable handle for said body, a removable electric battery and reflecting lamp within said body, a

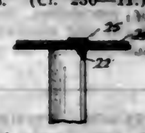
light projector lens associated with said body and lamp, electric conductive means including a metal carrier for the battery extending from the opposite poles of the battery, compressible means fitted at one end of the carrier and having a contact button for one pole of the battery, the opposite end of the carrier being fitted with the electric reflecting lamp, and a contact on the lamp adapted to make contact with the opposite pole of the battery, and means associated with said handle whereby the circuit of said battery is closable through operating said contact button to electrically connect the poles of said battery through said conductive means.

1,637,651. SUPERHEATING ELEMENT. CHARLES ARTHUR MESTER and EMILE EUGÈNE HENRI DUCHATEL, Paris, France. Filed May 13, 1924, Serial No. 713,040, and in France May 18, 1923. 3 Claims. (Cl. 122—462.)
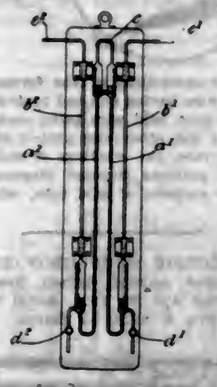


1. A superheater comprising a set of flat tubes, a return tube circular in cross-section and extending in parallelism with said set of tubes, and means comprising junction boxes uniting one end of said set to said return tube and adapted to unite the other end of said set to a saturated steam conduit.

1,637,652. FAN OR BLOWER. WILLIAM H. C. NEES, Los Angeles, Calif. Filed June 23, 1925. Serial No. 39,030. 2 Claims. (Cl. 230—121.)



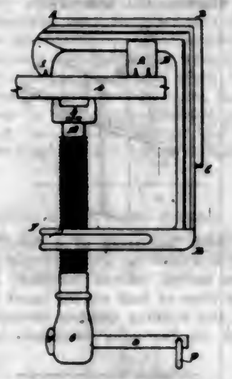
1. A fan or blower comprising an end member, a second end member in the form of an annular ring, blades or vanes disposed between the end members, said blades or vanes having lugs at their ends extending through slots in said end members, and a secondary ring positioned against the exterior surface of the second end member as and for the purpose described.

1,637,653. PRESSURE METER. TOM KNUT ARVED NORDENSSON, Glasgow, Scotland. Filed Aug. 16, 1926, Serial No. 129,605, and in Germany Aug. 19, 1925. 1 Claim. (Cl. 73—31.)



Pressure-meter, especially for measuring vacuums, comprising two barometers of the liquid type the pipes whereof containing the counterbalancing liquid columns are connected with each other at the vacuum side so as to form a common vacuum chamber.

1,637,654. CLAMP. FRANCISCO HERNANDEZ Y PEREZ, Habana, Cuba. Filed June 22, 1921, Serial No. 479,528, and in Cuba Mar. 7, 1921. 1 Claim. (Cl. 81—41.)



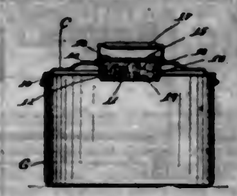
The herein described clamp comprising a frame forming a rectangle open on one side and consisting of a lower arm, an upper arm broader than the lower arm and a rear side connecting said arm, the said upper arm having serrated bearing members projecting from its lower side and also having openings to facilitate the application of screws or the like for securing an object such as a pipe clamp or the like to said arms, said rear side also having such openings, the said lower arm having a clamping screw extending therethrough toward said upper arm and provided with a swivelly mounted shoe at its upper end.

1,637,655. ADJUSTING DEVICE FOR DOORS AND THE LIKE. LEONARD C. PRISLEY, Montowese, Conn., assignor of one-half to Elijah Williams, New Haven, Conn. Filed July 9, 1926. Serial No. 121,310. 2 Claims. (Cl. 292—265.)



1. An adjuster of the class described having a bar held in its normal or engaging position by gravity, a loose rocking pivotal connection for said bar, an engaging support for the free end of said bar and means for releasing said bar from its engagement with said supoprt.

1,637,656. SANITARY GARBAGE CAN. OWEN F. RADCLIFFE, Los Angeles, Calif., assignor of one-half to John C. Radcliffe, Los Angeles, Calif. Filed Mar. 4, 1926. Serial No. 92,205. 1 Claim. (Cl. 220—67.)



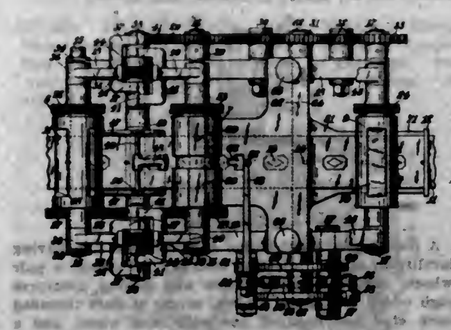
A garbage can having a sheet metal cover, the center portion of which is pressed downwardly forming an open topped receptacle integral with the cover adapted to receive a disinfectant, there being perforations formed in the side walls only of the receptacle through which disinfectant may pass to the interior of the can, a closure for the receptacle having threads adapted to engage threads on the interior of the receptacle so as to be detachably fastened to the cover, and a handle fastened to the closure whereby when the closure is fastened to the cover, the handle may serve to lift the cover from the can and the same handle may also serve to tighten or loosen the closure and to remove it from the receptacle when detached from the cover.

1,637,657. WALL AND PROCESS OF CONSTRUCTING THE SAME. JACOB RIEGEL, Lakewood, Ohio, assignor of one-half to Emil Greuloch, Chagrin Falls, Ohio. Filed May 25, 1923. Serial No. 641,316. 3 Claims. (Cl. 72—37.)



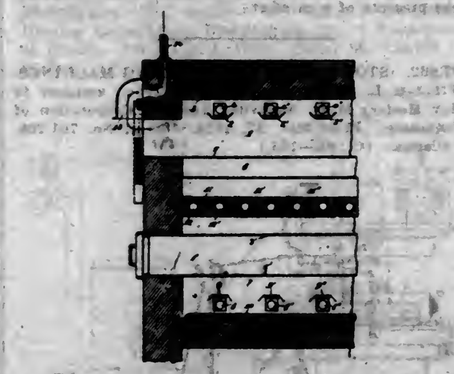
1. The method of building a structure of bricks or like blocks which consists in laying up courses of such bricks or blocks with spacers between certain bricks or blocks in each course and between certain bricks or blocks in successive courses, arranging such spacers whereby, in laying a plurality of such courses, reversely arranged triangular sections or units will be formed separated by such spacers from adjacent reversely arranged sections or units, and assembling and uniting such sections or units.

1,637,658. APPARATUS FOR FEEDING AND REGISTERING A PAPER WEB. WILLIAM ROSE, Gainsborough, England. Filed Feb. 10, 1927, Serial No. 167,330, and in Great Britain Sept. 23, 1925. 10 Claims. (Cl. 271—2.6.)



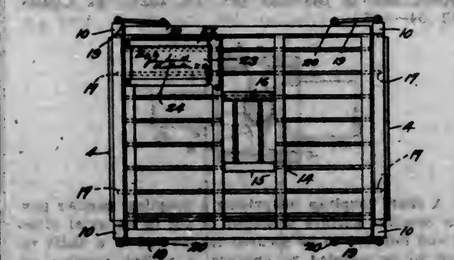
1. In feeding and registering apparatus of the class specified operating on a paper web in which apertures are formed at regularly spaced intervals in its length, the combination of feeding means operable to engage the web and impart to it a step-by-step advance in the direction of its length, means to free the web for longitudinal adjustment between consecutive steps in its advance, a peg device shaped for engagement with the web apertures and spaced apart from the feeding means aforesaid in the longitudinal direction of the web, and means to reciprocate the peg device into and out of the path of the web in such manner that the device enters said path only when the web is free as aforesaid for longitudinal adjustment, and means to move the web in the direction of web feed.

1,637,659. THERMOELECTRIC OVEN. SECONDO SACERDOTE, Milan, Italy. Filed Apr. 7, 1926, Serial No. 100,376, and in Germany Apr. 18, 1925. 4 Claims. (Cl. 219—35.)



1. An electric oven provided with an internal heating chamber having a heat-reflecting wall; a plurality of heat-reflecting channel members in said chamber disposed to face such wall; and thermo-electric heating elements arranged in said channels, whereby the radiant heat emitted by said heating elements at one side thereof is intercepted by the channels and reflected by the same exclusively against said wall to be reflected uniformly by the latter against the opposite wall of the chamber.

1,637,660. SHIPPING CRATE. JOHN W. SAMPLES, Sue, W. Va. Filed Oct. 6, 1926. Serial No. 139,891. 2 Claims. (Cl. 217—49.)

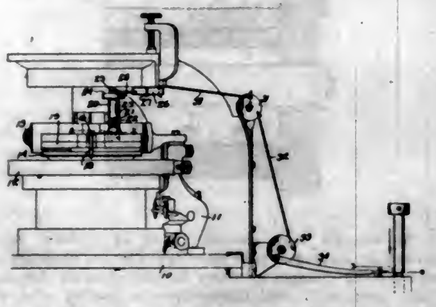


1. In a device of the class described, a base including corner posts and a bottom supported thereby, side walls, means for mounting the side walls hingedly, end walls hinged to the posts and spaced from the bottom, extensions slidable on the end walls and bridging the space between the end walls and the bottom, a top, means for supporting the top removably in spaced relation to the bottom, and cooperating members including an address carrier and a guard therefor, one of said cooperating members being secured to one of the side walls, and means for connecting the other of said cooperating members to the extension of said side wall for movement with said extension, whereby the guard, in a predetermined position, will reveal the address carrier.

1,637,661. PRODUCTION OF ORGANIC COMPOUNDS. KARL FRIEDRICH SCHMIDT, Heidelberg, and PHILIPP ZUTAVERN, Ludwigshafen-on-the-Rhine, Germany, assignors to Knoll & Co., Ludwigshafen-on-the-Rhine, Germany, a Firm composed of Albert Knoll, Hans Knoll, and Max Daege. Filed Dec. 11, 1925, Serial No. 74,885, and in Germany Apr. 11, 1925. 13 Claims. (Cl. 260—44.)

1. The process of treating organic compounds of the hydrocarbon type to directly introduce therein trivalent basic nitrogen comprising adding thereto hydrazoic acid in the presence of a catalyst.

1,637,662. STOP MOTION FOR KNITTING MACHINES. WILLIAM L. SMITH, Jr., Nashville, Tenn., assignor to May Hosiery Mills, Nashville, Tenn., a Corporation of Tennessee. Filed Mar. 22, 1924. Serial No. 701,208. 7 Claims. (Cl. 66—165.)



1. A stop motion for knitting machines comprising a feeler arranged within the circle of cylinder needles traveling within said circle, a vertically movable plunger, means tending to move the plunger upward, a detent for the plunger operated by said feeler, and means adapted to be actuated by said plunger when released for stopping the machine, substantially as set forth.

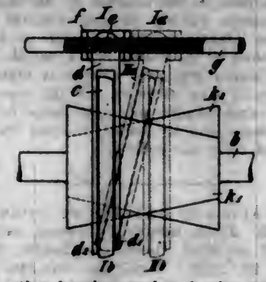
1,637,663. SHAFT COUPLING. WILHELM STOECKICHT, Munich-Solln, Germany. Filed Oct. 1, 1925, Serial No. 59,903, and in Germany Oct. 13, 1924. 12 Claims. (Cl. 64—107.)



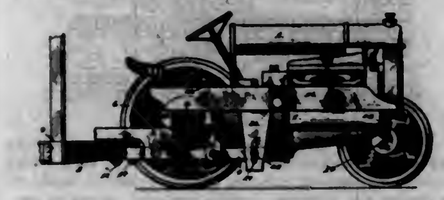
1. A shaft coupling comprising a coupling member having a cam-like surface arranged to act in an axial direction and adapted to be secured to one end of a shaft required to be coupled to another, a rolling member cooperating with said cam-like surface, a second coupling member adapted to be acted upon by said rolling member so as to be rotated and at the same time thrust in an axial direction when said first coupling member is rotating, and pivotal means associated with one of said coupling members to permit of angular motion of the shafts to be coupled together with respect to each other.

1,637,664. CHANGE-SPEED FRICTION GEARING. WILHELM STOECKICHT, Munich-Solln, Germany. Filed Apr. 28, 1924, Serial No. 709,517, and in Germany Feb. 2, 1924. 8 Claims. (Cl. 74—26.)

1. A change-speed friction gearing comprising a pair of cones; and a thrust ring for said cones and having a bearing surface for each cone, one bearing surface having and presenting to its respective cone a convex surface and the other bearing surface having and presenting to the other cone a frusto-conical surface and a convex surface.

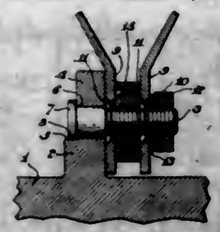


1,637,665. TRACTOR-COUPLING DEVICE. GEORGE W. STONE, San Francisco, Calif., assignor to National Auto Body Works, San Francisco, Calif. Filed Dec. 28, 1925. Serial No. 77,927. 14 Claims. (Cl. 280—33.9.)



1. A tractor and trailer coupling comprising a pair of coupling supporting members mounted along the sides of a tractor independently of the tractor frame and in connection with the rear and front axles thereof; a yoke, arranged to be connected to a trailer; and means connected between the yoke and the supporting members for supporting said yoke and imparting tractive force.

1,637,666. DOUBLE NUT FOR DUAL WHEELS. JOHN P. TARBOX, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1926, Serial No. 134,149. Renewed June 23, 1927. 7 Claims. (Cl. 31—9.)



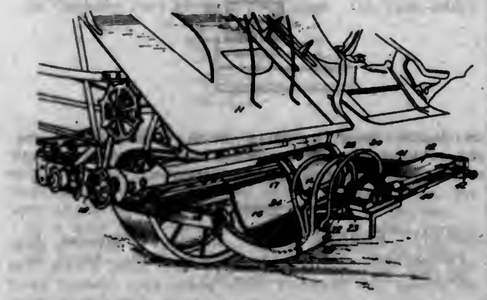
4. A dual wheel construction comprising a hub having a plurality of studs projecting laterally therefrom, a pair of wheels mounted on said hub and having apertures through which said studs project, a pair of nuts threaded on each stud and engaged one with each wheel, and a removable spacing element positioned adjacent each stud and interposed between said wheels.

1,637,667. CLOSURE FOR CONTAINERS. ROBERT J. VAUGHAN, Hamilton, Ohio, assignor to Children's Clinical Laboratory, Hamilton, Ohio, a Corporation of Oregon. Filed Apr. 24, 1926. Serial No. 104,880. 7 Claims. (Cl. 221—60.)

1. A closure for containers, comprising an enlarged hollow figured head portion and a reduced neck portion, said head constituting a handle member, a metallic member secured within and to said neck portion and provided with means adapted for interlocking engagement with the neck portion of the container.

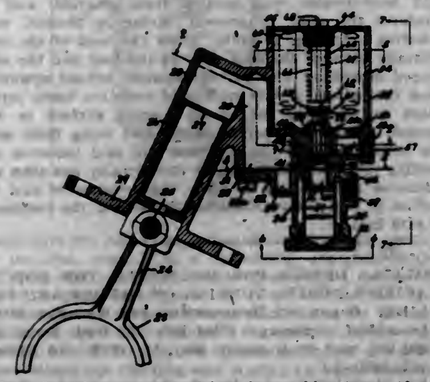


1,637,668. SHOCKING ATTACHMENT FOR GRAIN BINDERS. GEORGE W. VETTER, Commerce, Mo. Filed May 12, 1925. Serial No. 29,790. 12 Claims. (Cl. 56—424.)



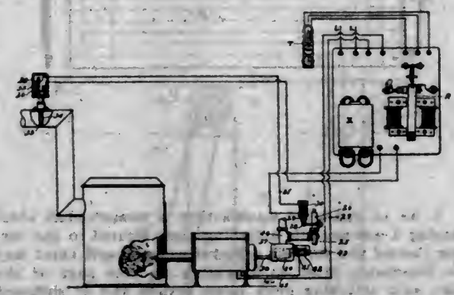
1. A shocking attachment for harvesting machines comprising a frame having means whereby the same may be secured to the harvesting machine, a carrier having a body and a pair of bundle receiving members hingedly connected to the body and provided with actuating arms, arcuate guide members carried by said frame and engaging said actuating arms, means for moving said carrier in an arcuate path, and the guide members being shaped receiving members to their open bundle receiving or discharging position at each end of the path of movement of the carrier.

1,637,669. LIQUID PUMP. HUGH WALLACE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 28, 1925. Serial No. 53,148. 3 Claims. (Cl. 103—42.)



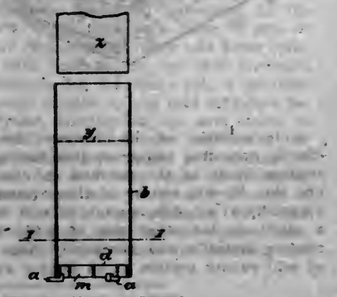
1. A liquid pump comprising, in combination, a frame adapted to be attached to a machine which operates the pump and providing a pulsating chamber and a pump outlet, a reciprocating pulsator within the chamber, a valve carried by the frame and controlling communication between the pulsating chamber and the pump outlet, a cover for the frame providing a pump inlet connected with the pulsating chamber, and a pump valve controlling the passage from the inlet to the pulsating chamber.

1,637,670. SAFETY CONTROL MECHANISM FOR LIQUID-FUEL BURNERS. WALTER W. WILLIAMS, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,166. 6 Claims. (Cl. 158—28.)



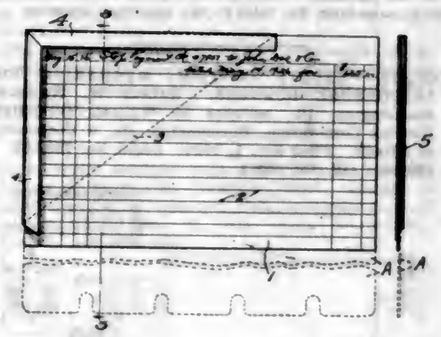
1. In a liquid fuel burning device, in combination, electrically operated means for projecting a mixture of air and sprayed fuel into a zone of ignition, means for igniting same, and automatic safety control mechanism operating upon an initial failure of ignition, or upon a cessation of combustion conditions to prevent or cause a cessation of the operation of the projecting means, including a thermostat located in a manner to be responsive to combustion conditions, a valve member in the fuel line controlled thereby, and a fuel reservoir including therein a float member controlling the electric circuit to the electrically operated means.

1,637,671. OIL-PRESS WITH DISINTEGRATING MEANS. HERMANN ZANDER, Stettin, Germany. Filed June 3, 1926, Serial No. 113,586, and in Germany July 14, 1925. 3 Claims. (Cl. 100—50.)



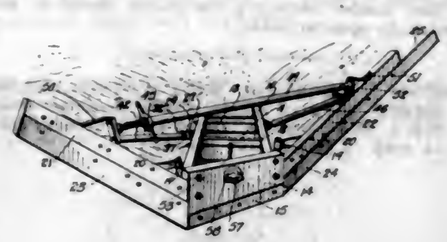
1. A disintegrating means for an oil press having a cylinder, comprising a set of cutters, means for supporting the said set of cutters at the lower end of the pressing cylinder so that they are capable of being removed, a plunger capable of sliding in the cylinder, an opposing plunger also capable of sliding in the cylinder and of carrying the set of cutters along with it during its upward movement and of depositing it again on the supporting means, on the opposing plunger being withdrawn from the cylinder, whereby the cake is disintegrated on leaving the cylinder, as set forth.

1,637,672. MEMORANDUM DEVICE. EARL B. ANGELL, Troy, Mont. Filed July 2, 1926. Serial No. 120,285. 2 Claims. (Cl. 281—42.)



1. As an article of manufacture, a memorandum sheet having a non-metallic attaching piece secured to one corner thereof and forming a pocket whereby said sheet may be detachably fitted to a posting machine page or the like, said attaching piece being flexible and of sufficient thinness to be adapted for insertion between the rollers of a typewriting machine with said page.

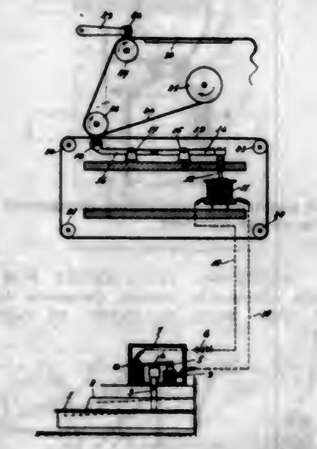
1,637,673. DITCH-MAINTAINING DRAG. DUDLEY ATKINS, Jr., FRANK O. ANDERSON, and EVERETT E. LINDSEY, Minneapolis, Kans. Filed July 19, 1926. Serial No. 123,297. 6 Claims. (Cl. 37—177.)



1. In a device of the character described, a longitudinally extending runner portion having an obliquely extending blade at the forward end thereof, a blade on one side of said runner portion extending laterally and forwardly at an oblique angle to said runner portion and a blade on the other side of said runner portion extending laterally and rearwardly from the forward end of said runner portion at an oblique angle.

1,637,674. ELECTRIC MUSICAL RECORDER. ANGELO BARBIERI, Milan, Italy. Filed June 26, 1923, Serial No. 647,950, and in Italy June 28, 1922. 5 Claims. (Cl. 84—402.)

1. In an electric musical recorder, a plurality of rollers for supporting and guiding a record sheet, one of said rollers consisting of a drive for a record sheet and another of said rollers constituting a platen, an ink band movable coincidently with the drive roller, a pair of levers pivotally connected at their adjacent ends, note recording rollers rotatably mounted in the other end of one of the levers, electromagnetic means associated with the other end of the other lever for actuating the latter,



an electric circuit including the electromagnetic means and a circuit closure interposed in said circuit and operable by the key of a musical instrument.

1,637,675. RUBBER HEEL. EDWARD G. BLOSER, Jr., Philadelphia, Pa. Filed Mar. 4, 1926. Serial No. 92,225. 1 Claim. (Cl. 36—75.)

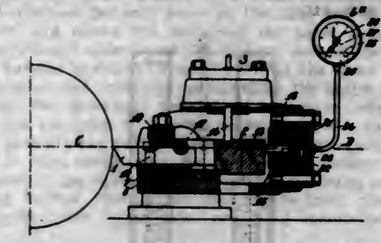


A rubber heel having a cup-shaped depression formed in its bottom surface centrally of the heel, defining a semi-circular wall adjacent the rear of the heel and a flat portion adjacent the front of the heel, a sheet metal insertion embedded in, and molded in the heel to prevent said semi-circular wall portion from wearing, and to reinforce the same to prevent caving in thereof, said insertion extending generally about the back of the heel centrally between the back edge of the heel and the cup-shaped depression, and having its width extend upwardly from the bottom of said wall, said insertion being corrugated to offer the maximum wearing surface to the ground, the bottom surface of the heel being flush with the bottom edge of the insertion and said insertion extending into the wall a distance considerably less than the thickness of said heel, whereby the presence of said insertion in said heel will detract little from the resiliency of said heel.

1,637,676. DEVICE FOR MEASURING THE FORCES ARISING DURING TURNING ON LATHES AND THE LIKE. OSKAR VON BOHUSZEWICZ and WILHELM WILK, Dusseldorf, Germany. Filed Feb. 28, 1924. Serial No. 695,816. and in Germany May 11, 1923. 10 Claims. (Cl. 265—1.)

1. A device for measuring the forces generated during rotation on lathes comprising in combination, a lever

adapted for use as a tool holder; rods adapted to carry said lever; a plurality of balls supporting said rods;



measuring instruments associated with said tool holder; and means for transmitting the forces to the instruments.

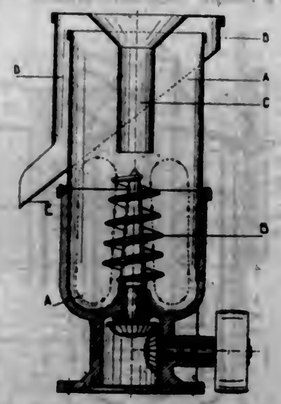
1,637,677. SHIP'S HULL. PAUL BONNEMAISON, Paris, France. Filed June 21, 1923, Serial No. 646,894, and in Germany June 28, 1922. 5 Claims. (Cl. 114—66.5.)



1. A boat hull, the sides of said hull being inclined inwardly and rearwardly toward its bottom, the bottom of said hull being substantially triangular in form and elevated above the lowermost portion of said sides, the apex of the bottom being adjacent the bow of the boat.

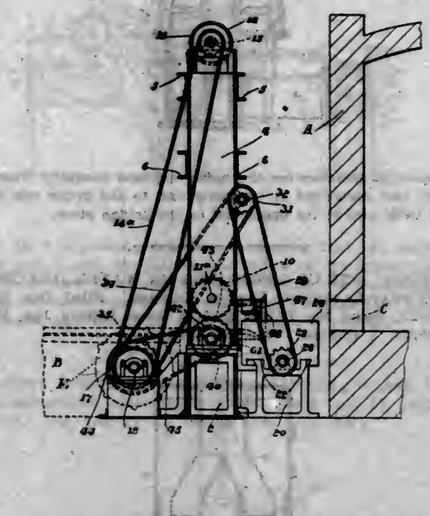
3. A boat hull, the bottom of said hull being formed from a series of planes, the forward portion of each of said planes being elevated above the rear and side portions thereof, each plane being V-shaped and having an acute angled apex.

1,637,678. APPARATUS FOR CLEANING, PEELING, OR SHELLING CORN, GRAINS, AND THE LIKE. STEFANO CAMILLA and FEDERICO PAGLIANI, Turin, Italy. Filed Sept. 9, 1924, Serial No. 736,742, and in Italy Sept. 11, 1923. 1 Claim. (Cl. 83—34.)



Apparatus for cleaning, peeling or shelling corn, grain and the like, comprising a cylindrical container with open upper end and closed bottom presenting a depressed annular surface semicircular in cross section; an upwardly projecting rotatable worm mounted in the bottom centrally of the annular surface, the shaft of said worm extending axially through the bottom portion of the container; means for rotating said worm; an upper portion provided in said container as an extension of said bottom portion above the point of application of the downwardly drawing force of said worm; a centrally situated supply duct extending through the said upper portion of the container, said duct being arranged in line with said worm and adapted to directly and continuously supply the bottom portion of the container, and a discharge hopper for the continuous discharge of the grain already treated surrounding the upper edge of the container.

1,637,679. TUBE-WELDING MACHINE. DOUGLAS WHIMSTER CHISHOLM, Garnkirk, Scotland, assignor to The Birchfield Engineering Company Limited, Cardiff, Wales. Filed Jan. 26, 1925, Serial No. 4,977, and in Great Britain Apr. 22, 1924. 4 Claims. (Cl. 78—87.)

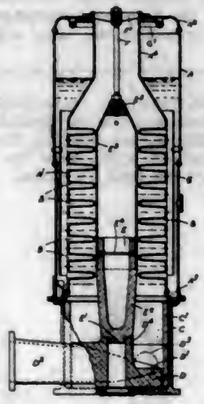


1. A tube welding machine comprising a bell-shaped die, two separate and similar jaw members adapted to grip equally therebetween the peripheral surface of the die, slidable tables carrying the said members, means for effecting simultaneous horizontal movement of the said tables towards or away from each other to grip or release the die, a pair of superposed upper and lower rolls, a beam structure, fixed brackets on the said structure bearings on said brackets for the lower roll, a movable frame, vertical journals carried by the said structure for each side of said frame, bearings on the said frame to support the upper roll, means to raise and lower the said frame, caps for retaining the upper roll bearings, a lug integral with each of said caps, caps for retaining the lower roll bearings, and a recess formed in each of said last mentioned caps said lugs engaging with said recesses to interlock said rolls when together against relative horizontal movement, and means for rotating the rolls.

1,637,680. STEAM GENERATOR OR WATER HEATER. THOMAS CLARKSON, London, England. Filed Dec. 31, 1925, Serial No. 78,671, and in Great Britain Jan. 16, 1925. 5 Claims. (Cl. 257—216.)

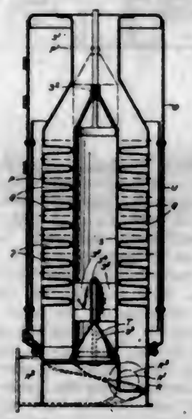
1. A water heater comprising an annular water chamber surrounding a heating space through which hot gases are adapted to pass, closed-ended water tubes extending radially inwards from the water chamber into the heating space, means for supplying heat to the heating space adjacent to its lower end, a central outlet for the hot gases at the upper end of the heater, a bridge piece

extending across this outlet, a substantially cylindrical baffle disposed centrally within the heating space with its wall adjacent to the ends of the water tubes and a



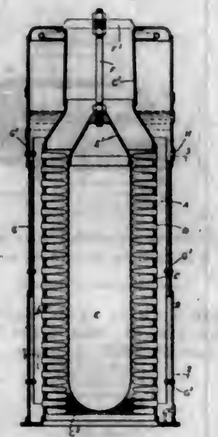
supporting member for the baffle disposed coaxially therewith and connected at its lower end to the upper end of the baffle and at its upper end to the bridge piece.

1,637,681. STEAM GENERATOR OR WATER HEATER. THOMAS CLARKSON, London, England. Filed Dec. 31, 1925, Serial No. 78,672, and in Great Britain Jan. 16, 1925. 7 Claims. (Cl. 257—216.)



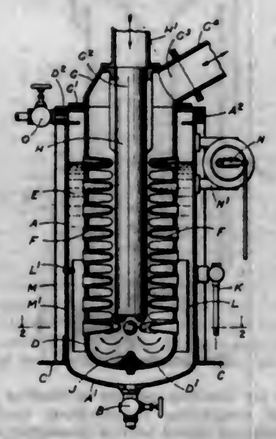
1. A water heater comprising an annular water chamber surrounding a heating space through which hot gases are adapted to flow, closed-ended water tubes projecting radially inwards from the water chamber into the heating space, a tubular member centrally mounted within the heating space with its wall adjacent to the ends of the water tubes, an inlet passage for the hot gases at the lower end of the water-heater so formed that a circular motion around the tubular member tends to be imparted to the gases in addition to their upward motion over the water tubes through the water heater, a central outlet for the gases at the upper end of the water heater, a by-pass passage and a valve adapted to vary the relative amounts of the hot gases which pass respectively through the by-pass passage and through that part of the heating space in which the water tubes lie.

1,637,682. STEAM GENERATOR. THOMAS CLARKSON, London, England. Filed Sept. 7, 1926, Serial No. 134,083, and in Great Britain Sept. 17, 1925. 5 Claims. (Cl. 257—216.)



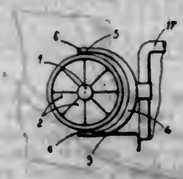
1. A water heater of the class described comprising in combination an annular water chamber surrounding a heating space through which hot gases can flow, closed-ended water-containing thimbles extending radially into the heating space from the water chamber, an inlet for the hot gases at one end of the chamber, an outlet therefor near the other end and a baffle of circular cross-section disposed centrally within the heating space, the cross-sectional area of the heating space between and around the thimbles being smaller towards the outlet than towards the inlet for the heating gases for the purposes specified.

1,637,683. STEAM GENERATOR OR WATER HEATER. THOMAS CLARKSON, London, England. Filed Jan. 23, 1924, Serial No. 688,036, and in Great Britain Feb. 15, 1923. 4 Claims. (Cl. 257—216.)



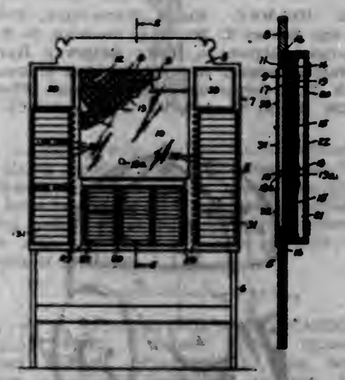
1. A water heater of the class described, including in combination, inner and outer elongated tubular wall-members, vertically disposed and enclosing between them a water and steam space, a series of water tubes supported in the inner wall-member and projecting inwardly therefrom, said tubes opening into the water space between said wall-members and having closed inner ends, an aperture through which hot gases may be introduced into the interior of the inner member at one end thereof, a discharge aperture for said gases at the same end of said member, and means for delivering the gases from the first mentioned aperture to the opposite end of the said inner member positioned centrally within the inner tube-like member and occupying substantially the entire space between the innermost points of the water tubes to cause the hot gases to flow in passing from the gas delivery point to the gas outlet, in a path substantially annular in cross section from the point of gas delivered to the point of gas egress, all of the hot gases being caused thereby to flow close to the wall of the inner chamber and between the water tubes projecting therefrom.

1,637,684. SIGNALING APPARATUS FOR ROAD TRAFFIC. ALBERT CLÉBERT, Paris, France. Filed Sept. 7, 1926, Serial No. 134,042, and in France Sept. 15, 1925. 4 Claims. (Cl. 116—35.)



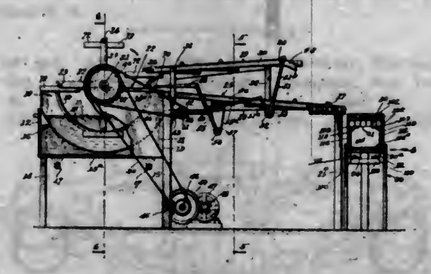
1. A road vehicle signal of the character described, including in combination a supporting bracket, a shaft journalled therein, a sleeve carried by the shaft medially of the ends thereof, a disc composed of a plurality of vanes rotatably mounted on the sleeve, and means operable from a point adjacent the driver of the vehicle for partially rotating the shaft so as to move the disc in a position to face the current of air set up by the movement of the vehicle, to effect rotation of the disc substantially as and for the purposes set forth.

1,637,685. DIRECTORY. CHARLES ESBALE COWLES, El Paso, Tex. Filed Oct. 18, 1926. Serial No. 142,404. 1 Claim. (Cl. 40—132.)



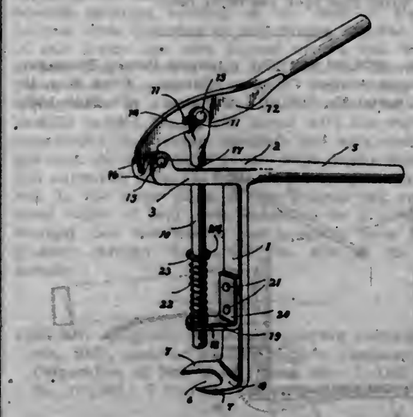
A directory comprising a cabinet including a frame having rabbeted edges, a transparent panel in the frame engaging the rabbeted edges, a map of translucent material positioned behind the panel, a backing plate behind the map, a second plate pressing against the backing plate for maintaining the map in flat formation, means for securing the second plate to the frame, said backing plate having openings therein at points to be designated on the map, said second plate having openings therethrough registering with the first openings, lamps mounted in the openings of the second plate and adapted to be selectively illuminated so as to illuminate that portion of the map in front of the corresponding opening in the backing plate, doors closing the openings in the second plate, said cabinet including side members, and top and bottom members secured to the frame and surrounding said plates and a door mounted on one of the members and closing the back of the cabinet and permitting access when opened to the first mentioned doors on the second plate.

1,637,686. PROCESSING MACHINE. JOSEPH L. COYLE, Los Angeles, Calif. Filed Aug. 7, 1925. Serial No. 48,728. 13 Claims. (Cl. 99—2.)



1. In a processing machine, a treating tank, an upper conveyor, means for placing containers on the upper conveyor, a lower conveyor, means for taking the containers from the upper conveyor, passing them through the treating tank, and depositing them on the lower conveyor.

1,637,687. BATTERY-TERMINAL LIFTER. CLARK C. ECHELBERGER, Hutchinson, Kans. Filed July 17, 1926. Serial No. 123,113. 3 Claims. (Cl. 29—84.)



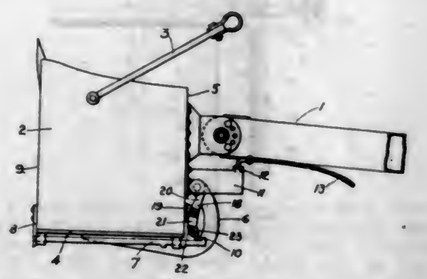
1. An extractor comprising a body portion including a standard and a cross bar carried thereby and constituting a handle and arm extending from opposite sides of the standard, a foot extending from said standard and beneath said arm adapted to engage an article to be detached from a companion article, a plunger slidable through said arm towards and away from said foot, and a lever carried by said arm in overhanging relation to the handle and plunger for moving said plunger into engagement with the companion article and exert pressure thereon to separate the articles when the lever and handle are forced toward each other.

1,637,688. HOLDER FOR CLOTHES AND OTHER ARTICLES. JOSEPH EMBL, Seabeck, Wash. Filed Jan. 26, 1927. Serial No. 163,735. 2 Claims. (Cl. 68—34.)
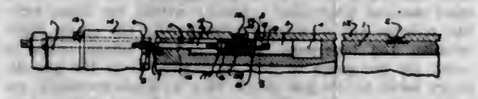


1. A device of the character described comprising in combination two telescopically-arranged tubes, one of which has a longitudinal slot and a plurality of notches communicating with said slot, a stud carried by the other one of said tubes and projecting into said slot and adapted by a relative axial and rotational movement of said tubes to be moved into one of said notches for securing the tubes together in different positions, means slidingly mounted on the outer tube for holding articles, means for securing said article-holding means in different adjusted positions lengthwise of said outer tube, and a spring within the tubes and connected with them to retain the outer tube upon the inner tube.

1,637,689. STEAM SHOVEL. JOSEPH PIERCE ENDERBY, Vancouver, British Columbia, Canada. Filed May 10, 1926. Serial No. 108,101. 2 Claims. (Cl. 214—146.)



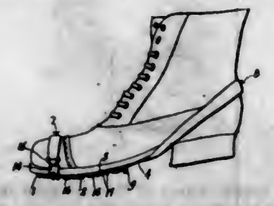
1. An opening device for power shovel buckets having a hinged door forming a bottom closure and a slidable bolt adapted to hold the door in closed position comprising a bell crank mounted on the bucket, power operated means for actuating the crank, a lug upon the rear end of the bolt and a finger pivotally mounted upon the bell crank adapted to engage the lug to withdraw the bolt when the crank is moved in one direction and to pass freely over the lug when the crank is moved in the opposite direction.

1,637,690. PLATE-CLAMPING MECHANISM FOR PRINTING PRESSES. WILLIAM EVENSEN, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Feb. 2, 1926. Serial No. 85,425. 12 Claims. (Cl. 101—378.)



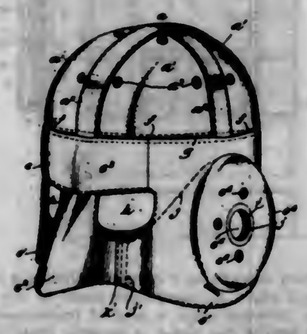
1. In a plate clamping mechanism for printing presses, the combination of a clip rod provided with a recess, a clip, and means carried by the clip to cooperate with the recess in the clip rod to limit the movement between the clip and clip rod.

1,637,691. ICE CREEPER. EDWARD FERAD, New York, N. Y. Filed Mar. 5, 1925. Serial No. 13,119. 2 Claims. (Cl. 36—63.)



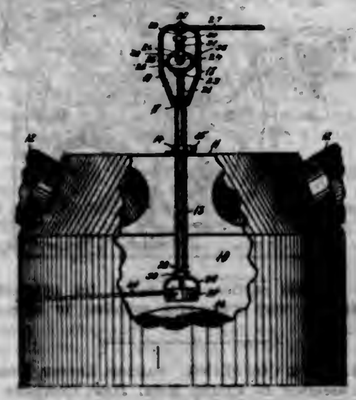
1. An ice creeper comprising a heelless sandal having jointed metallic plates adapted to respectively fit the toe, ball and forward part of the shank portions of the bottom of a shoe, the toe and ballplates having struck out therefrom numerous short prongs distributed over their outer surface to provide a level tread and the shank plate having one or more relatively long rigid spikes disposed thereon in such relation as normally to be in light engagement if any with the ground but adapted to be pressed downwardly when the weight of the body is placed firmly on the arch of the foot.

1,637,692. HELMET. KEENE FITZPATRICK, Princeton, N. J., and ROBERT T. MULLINS, Brooklyn, N. Y.; said Fitzpatrick assignor to Henry Ridgeway Hart, and said Mullins assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed June 18, 1926. Serial No. 116,810. 2 Claims. (Cl. 2—3.)



1. In a protective device, the combination with a head guard, of a protector for the face, ears and back of the head comprising a relatively stiff outer covering of leather, a metallic re-enforcement for the nose portion, fibrous re-enforcements for the cheek bone and ear portions and an inner layer of felt padding.

1,637,693. HUMIDIFIER. JAMES W. GALLOWAY, Waterloo, Iowa, assignor of one-half to Alwin C. Haffner, Des Moines, Iowa. Filed Nov. 23, 1926. Serial No. 150,216. 6 Claims. (Cl. 126—113.)



1. A humidifier in combination with a hot air heater, comprising a thermostatic element formed of concentric tubes of unequal length interconnected at one end and mounted vertically through the top of said heater, a yoke carried on the upper end of the outer tube, a valve seat and water supply connections carried by said yoke, a second yoke carried by the upper end of the inner tube within said first named yoke, a spring-pressed plunger valve carried by said second yoke and adapted to register with said seat and an evaporating pan supported by and beneath said thermostatic element.

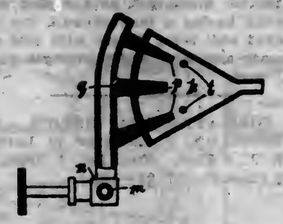
1,637,694. BELT CLAMP. CHARLES E. GIRTEN, Houston, Tex. Filed Jan. 4, 1926. Serial No. 79,078. 3 Claims. (Cl. 24—37.)



1. A fastener for belts, and the like, comprising arcuate plates hinged together, bolts fitted through the belt ends and through the corresponding plates, the inner ends of the bolts having enlarged heads, barbs carried by the head, the facing sides of the plates having recesses which coincide with said heads and nuts threaded onto the outer ends of said bolts.

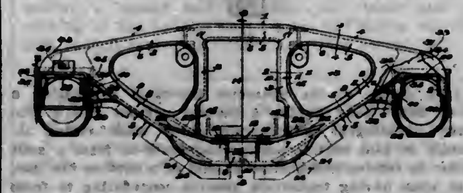
1,637,695. BURNER FOR HYDROCARBON AND SIMILAR FUEL. ROBERT EDWIN GOLDSBROUGH, Consett, England. Filed Feb. 9, 1923, Serial No. 617,986, and in Great Britain Feb. 16, 1922. 3 Claims. (Cl. 158—56.)

1. For producing gas from liquid hydrocarbons, apparatus comprising, in combination, a conduit, means for raising said conduit to a high temperature, and means for introducing the hydrocarbon and an atomizing fluid therefore into said conduit, said means including a mixing chamber positioned exteriorly of, but in communication with, the conduit, means for independently introducing said hydrocarbon into said mixing chamber, means for independently introducing said fluid into said chamber for atomizing said hydrocarbon, and means for independently introducing an additional supply of said fluid



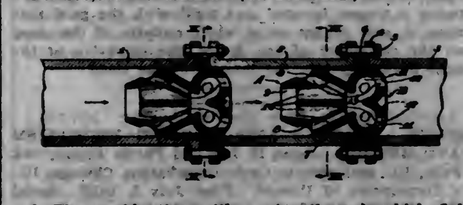
into said mixing chamber for commingling with the mixture of said atomized hydrocarbon and of the fluid that atomized it.

1,637,696. SIDE FRAME. CYRUS HANKINS, Baltimore, Md., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Nov. 20, 1926. Serial No. 70,274. 12 Claims. (Cl. 105—205.)



1. A car truck side frame comprising a compression member, a tension member, bolster guide columns interposed between intermediate portions of said members, said compression and tension members being generally channel shape in cross section, said compression member being formed with an upper web, and depending flanges at the edges of said web, said tension member being formed with a lower web and upstanding flanges at the edges of said web, the flanges of said compression and tension members merging at the ends of the frame, journal boxes connected to said flanges adjacent the ends of said frame and each formed with a roof with each of said flanges merged with said roof, the connection between said journal boxes and frame being further strengthened by a connecting web extending between and parallel to said flanges and joined with the webs of the compression and tension members and with each journal box roof, the outer edges of said webs sloping downwardly and outwardly from the ends of the compression member web to the outer edges of the journal box roofs, the inner edges of said webs extending in a substantially straight line downwardly and inwardly from the compression member web along the web of the tension member.

1,637,697. MIXING NOZZLE. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Mar. 7, 1927. Serial No. 173,209. 7 Claims. (Cl. 137—112.)



1. The combination with a pipe through which fluids to be mixed are circulated, of a nozzle mounted in the pipe having an inlet portion with its passage tapering

inwardly in the direction of the flow of the fluid, and having a mixing portion into which the reduced end of such inlet portion discharges, said mixing portion comprising a cavity having a forward wall, the central part of said forward wall being in line with said reduced end and imperforate and with outlet passages outward from such central part.

1,637,698. CORD-ATTACHING DEVICE. WARREN R. LARTER, Newark, N. J., assignor to Larter & Sons, Newark, N. J., a Firm. Filed Feb. 1, 1926. Serial No. 85,342. 2 Claims. (Cl. 24—123.)



1. A device of the character described comprising a sheet metal body having a central portion and a plurality of integral radial arms which when swung inwardly of said central portion cooperate to form a split socket to receive and enclose an end of a cord or the like, said arms having transverse grooves cooperating to form an annular groove on the exterior of said body and said body being tapered and increasing in diameter from the open end of said socket to said groove, and a clamping ring of less diameter than said groove and slidable upon said tapered portion to seat in said groove and force and hold said arms together to clamp the end of a cord in said socket.

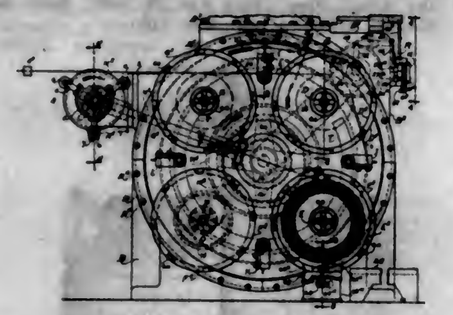
1,637,699. JEWELRY CLASP. SAMUEL LAUTERBACH, New York, N. Y. Filed Jan. 4, 1927. Serial No. 158,873. 3 Claims. (Cl. 24—242.)



1. In a clasp, the combination of two members pivoted together and relatively movable around the axis of the pivot, the main portions of the member being of similar cross section, one of the members being forked and having a slot adjacent to the pivot, while the other has an extension beyond the pivot co-operating with the slot and forming a tongue integral and rigid with the part that carries it, said tongue being wider radially of the clasp than the remainder of the device, the extension of the tongue projecting into the interior of the clasp.

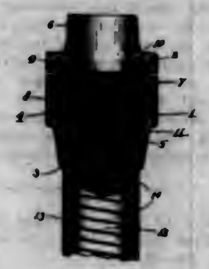
1,637,700. DRAWING AND SPOOLING MECHANISM AND METHOD. JOHN H. LEE and FRANK HONIG, Oak Park, Ill., assignors to Cyclo Corporation, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,495. 36 Claims. (Cl. 242—280.)

1. In combination, a self-discharging capstan operative to deliver a continuous strand, and take-up mechanism for winding said strand in a plurality of coils, said take-up mechanism comprising a carrier, a plurality of spindles



mounted on said carrier, and means for automatically connecting the wire with said spindles, in turn.

1,637,701. PIPE COUPLING. SAMUEL LEVITT, Brooklyn, N. Y., assignor to United Metal Hose Company, Inc., New York, N. Y., a Corporation of New York. Filed July 13, 1920. Serial No. 395,928. 11 Claims. (Cl. 285—71.)



2. A coupling of the character described comprising a member adapted to surround a hose and provided with a shoulder for engaging the end of the latter, another member also adapted to surround the hose, said members being provided with cooperating threads and the bore of the latter of said members being tapered, and coil spring gripping means composed of a plurality of turns of wire located in said tapered bore between said members and capable of being compressed into forcible engagement with the hose as said coupling members are screwed together.

1,637,702. VEHICLE SIGNAL DEVICE. NEWTON W. MATTHEWS, Fullerton, Calif. Filed Jan. 14, 1924. Serial No. 686,004. 1 Claim. (Cl. 177—329.)



A direction indicating signal for vehicles comprising a signal support adapted to be secured to a vehicle, said support including a switch member comprising a disk provided with a plurality of spaced contacts and a plurality of latch elements on one face thereof in radial alignment with the contacts, a pivotally mounted signal arm on said support, a lamp on said arm, a contact on said arm, an insulated latching member carried by said signal arm, said latching member being provided with a plurality of latch elements cooperating with the latch elements on the switch member when said contact on the signal arm is in engagement with any one of the contacts on the switch member.

1,637,703. PROCESS OF MAKING GREASE. JAMES MCKEE, Chester, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Aug. 24, 1925. Serial No. 52,223. 7 Claims. (Cl. 87—9.)

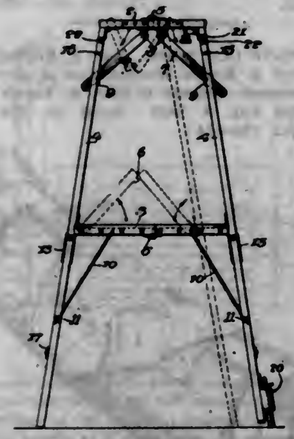
1. The process of making a high boiling point grease which comprises mixing from five to fifty per cent of a hard cocoanut oil soap with from ninety-five to fifty per cent respectively of a paraffin base mineral oil, and heating the same to a temperature above 450° F.

1,637,704. CURTAIN-DRAPING DEVICE. ALLEN A. MOATS, Philadelphia, Pa. Filed Mar. 13, 1924. Serial No. 698,903. 2 Claims. (Cl. 156—33.)



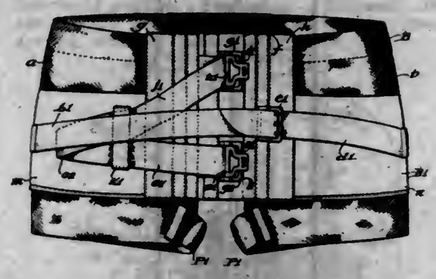
1. A curtain draping device including an elongated curtain-retaining member; an attachment plate having a projection with a free outer face; and means pivotally connecting said curtain-retaining member to said projection to allow said member to rotate in a plane entirely at one side of said projection, said pivotal means being operative to place the pivotal portion of said member under spring tension for holding said pivotal portion of said member in frictional contact with said face of the attachment plate and to allow said member to be moved and held in any position within its entire circle of rotation.

1,637,705. FOLDABLE SUPPORTING STAND FOR OPTICAL PROJECTING MACHINES. HUGO NEWMAN, New York, N. Y. Filed Nov. 7, 1925. Serial No. 67,558. 10 Claims. (Cl. 45—117.)



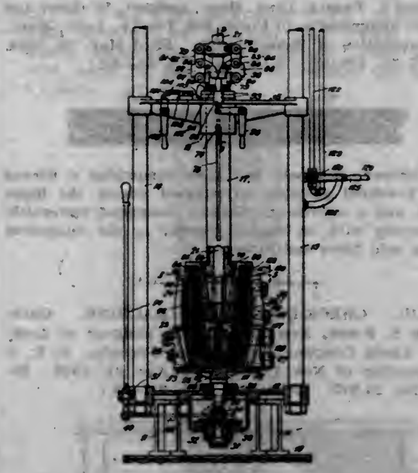
1. A folding supporting stand for instruments comprising a top and bottom and a pair of side bars hinge connected to said top and bottom adjacent to the ends thereof, said top and bottom each being hinge connected intermediate its length to fold inward toward each other and toward the center of the stand and wholly within the side bars, and foldable legs for supporting the stand and foldable upwardly against the edges of said side bars.

1,637,706. SUPPORTER. HATTIE M. PFALTZGRAFF, Atlantic City, N. J. Filed Feb. 12, 1926. Serial No. 87,778. 12 Claims. (Cl. 2—41.)



1. A supporter comprising an inner belt adapted to extend substantially around the body of the wearer, a padded support secured to said belt at the back of the wearer, a second belt encircling said inner belt and opening at the back of the wearer, and means overlying said padded support for tightening said second belt.

1,637,707. METHOD OF MANUFACTURING CRUCIBLES AND THE LIKE. HAROLD E. PORTER, Bayside, N. Y., assignor to Charlotte T. Porter. Filed Mar. 25, 1924. Serial No. 701,663. 9 Claims. (Cl. 25—156.)

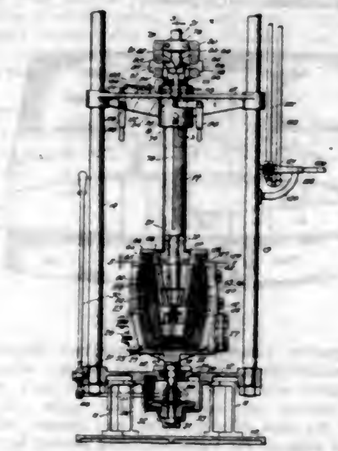


1. The process of manufacturing crucibles and the like, which consists in depositing the crucible forming material in the mold shaped to form the outer surface of the crucible, compressing said material with a former having continuous side and bottom walls to form the inner surface of said crucible, and rotating said mold and crucible forming material relative to the former while the material is undergoing compression.

1,637,708. MACHINE FOR THE MANUFACTURE OF CRUCIBLES AND THE LIKE. HAROLD E. PORTER, Bayside, N. Y., assignor to Charlotte T. Porter. Filed Mar. 25, 1924. Serial No. 701,664. 26 Claims. (Cl. 25—27.)

1. A machine for manufacturing crucibles and the like, comprising a mold into which the crucible forming material is deposited, a hollow, flexible and expansible punch

movable into the mold to partially compress said material, means for expanding the punch after it has entered the



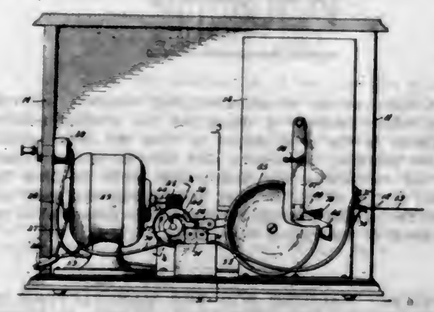
mold to further compress said material, and means for effecting a relative rotation of the mold and punch as the material is being compressed.

1,637,709. STIFFENER FOR BOOTS AND SHOES. GEORGE L. PREBLE, Lynn, Mass., assignor, by direct and mesne assignments, to Preble Box Toe Co., Lynn, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1924. Serial No. 700,009. 4 Claims. (Cl. 91—68.)



3. Stiffeners for boots and shoes comprising a fibrous sheet, powdered asbestos interspersed among the fibers thereof, and a matrix of cellulosic compound susceptible of softening with an organic solvent in the interstices between said fibers and asbestos.

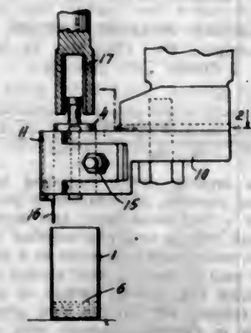
1,637,710. CHECK-DISPENSING MACHINE. GRANVILLE S. RIDER, New York, N. Y., assignor to Lock-Stub Check Company, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 21, 1925. Serial No. 24,905. 19 Claims. (Cl. 211—8.)



1. In a check dispensing machine, a magazine for containing a stack of checks, an ejecting mechanism including a reciprocatory element movable in one direction from a normal position to engage and partially eject from said magazine the lowermost check in said stack and thereupon movable back to its normal position, and means operated by the complete withdrawal of said check to cause said reciprocatory element to partially eject a succeeding check and then return to its normal position.

11. In a check dispensing machine, a casing for containing a plurality of checks, an ejecting mechanism including a reciprocatory element operable to partially eject one of said checks from said casing, said reciprocatory element being engageable with only one of the checks during a single ejecting movement of said element, and means operated by the complete withdrawal of the check from the casing to effect a repetition of the operation of said ejecting mechanism.

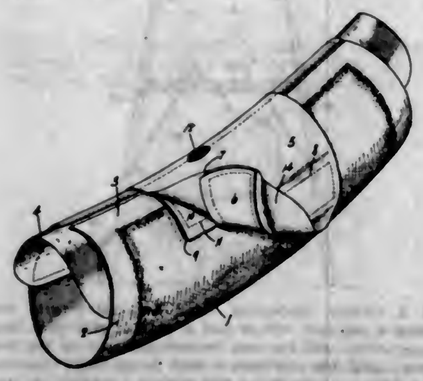
1,637,711. APPARATUS FOR INSERTING DRY-CELL CORES INTO CANS. HANS A. RING, Madison, Wis., assignor to Burgess Battery Company, Madison, Wis., a Corporation of Wisconsin. Filed June 18, 1926. Serial No. 116,852. 11 Claims. (Cl. 226—1.)



1. In mechanism for inserting a dry cell cathode core into a can, a core-holder with a core-deflecting finger thereon.

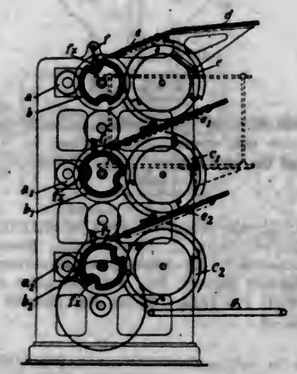
11. Apparatus for inserting a dry cell cathode core into a can of electrolyte without undue splashing of the electrolyte consisting essentially of means for lowering the core into the can and means for thrusting it sidewise in contact with the can wall and allowing it to move down into the electrolyte while in frictional engagement with said can wall.

1,637,712. BLOW-OUT BOOT. JOHN F. ROGERS, Dayton, Ohio; Albert R. Rogers administrator of said John F. Rogers, deceased, assignor to Lucy A. Rogers, Dayton, Ohio. Filed Aug. 9, 1926. Serial No. 128,031. 12 Claims. (Cl. 152—24.)



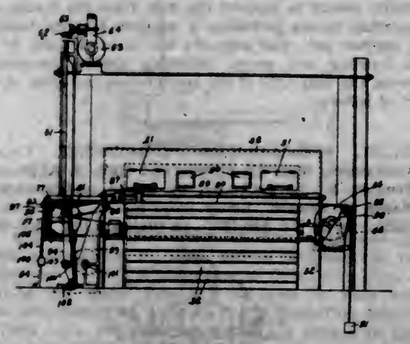
11. In a blowout boot for pneumatic tires, a longitudinally slit tubular body portion to enclose an inner tube, a locking flap on one side of the body for extension across the slit into overlapping relation with the opposite side of the body, and into position to be subjected to clamping pressure of the side wall of a tire casing and interengaging beads upon the contacting faces of the locking flap and boot body, held in engagement with each other by said clamping pressure of the tire casing and inner tube.

1,637,713. THREE-COLOR INTAGLIO ROTARY PRINTING PRESS. CARL SCHÜNEMANN, Bremen, Germany. Filed July 13, 1926, Serial No. 122,079, and in Germany Apr. 15, 1926. 6 Claims. (Cl. 101—152.)



1. A three-color intaglio printing press comprising in combination three complete printing presses for successive printing actions on a sheet, conveying cylinders one between each two printing presses, grippers on said conveying cylinders, and a stop for each printing press against which the sheet is laid and whereby the sheet is gaged for the succeeding action as soon as it is released by the grippers of the preceding conveying cylinder.

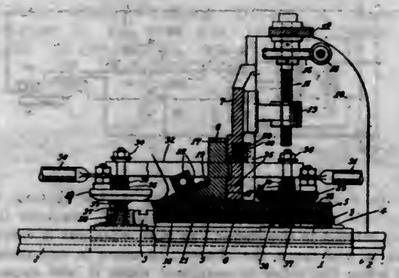
1,637,714. CONTINUOUS LEER. EDWIN E. SLICK, Pittsburgh, Pa. Filed Feb. 11, 1925. Serial No. 8,402. 17 Claims. (Cl. 198—31.)



1. The combination with a leer conveyor, of a charging conveyor movable across the leer conveyor, means for conveying articles to the charging conveyor, a displacer for moving one article at a time from the charging conveyor to the leer conveyor and means for causing the displacer to move at one speed while transferring the articles from the charging conveyor and at another speed while returning to initial position.

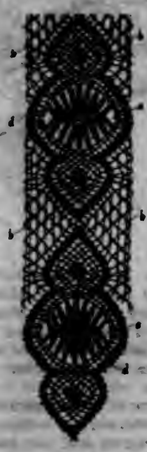
3. The combination with a leer conveyor, of a charging conveyor, a conveyor for loading the charging conveyor and a transfer table between the loading conveyor and the charging conveyor and frictionally driven thereby.

1,637,715. MANUFACTURE OF PLASTIC MATERIALS AND TO APPARATUS THEREFOR. FREDERICK TROUTON SMALL and WILLIAM ALEXANDER DICKIE, Spondon, near Derby, England, assignors to Celanese Corporation of America, a Corporation of Delaware. Filed Apr. 7, 1923, Serial No. 630,608, and in Great Britain Apr. 21, 1922. 9 Claims. (Cl. 18—51.)



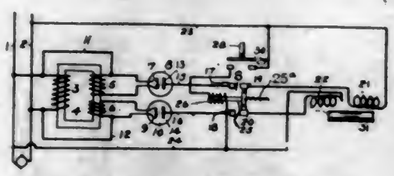
1. Method or process of cutting sheets from blocks of low-flammable celluloid-like materials having a basis of low-flammable cellulose derivative and substantially free from volatile solvent, characterized in that the sheets are cut from the block of said material by means of a heated knife, whereby the low-flammable celluloid-like material in the neighborhood of the knife is softened and rendered plastic and enabled to yield more readily to the cutting edge.

1,637,716. MACHINE-BRAIDED LACE INSERTION AND METHOD OF MAKING THE SAME. EUGEN TÜRCK, Barmen-Langerfeld, Germany. Filed Apr. 9, 1926, Serial No. 100,792, and in Germany Oct. 6, 1925. 5 Claims. (Cl. 96—24.)



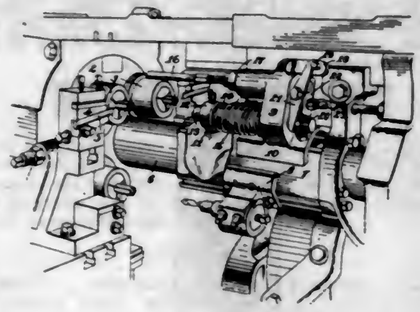
1. A continuous flat braided motif bearing lace having parallel longitudinal edges and comprising a series of motives and a ground-work surrounding the motives and from which the motives are adapted to be marginally severed, each motif including a body and an edging, some of the threads of the body of each motif being common to the body and groundwork and extending therebetween across the motif edging and braided with the threads of the latter, and some of the threads of the motif body extending to and being braided with the threads of the edging and then returned to the body, said threads reinforcing the motif edging and forming a firm selvaged edging structure from which the groundwork may be severed without impairing the integrity of the threads of the edging.

1,637,717. RECIPROCATING MOTOR SYSTEM. CARL S. WEYANDT, Pittsburgh, Pa., assignor to Central Electric Tool Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 26, 1922. Serial No. 577,719. 12 Claims. (Cl. 172—126.)



1. In a system for reciprocating electric motors, a reciprocable magnetic element, a pair of windings inductively related to the element so that when one is energized alone it will cause the element to move in one direction and when the other is energized alone it will cause the element to move in the opposite direction, alternating current supply lines, each containing one of the said windings and an electron rectifying means in each circuit.

1,637,718. NUT-FACING ATTACHMENT FOR AUTOMATIC MACHINES. EARL H. WHEELER, Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 20, 1926. Serial No. 123,631. 27 Claims. (Cl. 29—57.)

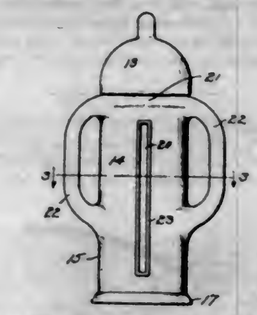


1. The combination of a sliding main tool carrier, a tool holder mounted thereon, a sliding tool support carried by said holder, means for stopping the forward movement of said tool support during the continued advance of the main tool carrier, and means cooperating with the tool holder for retracting said sliding tool support.

15. The combination of a reciprocating tool carrier, a tool holder mounted thereon, an independently reciprocating tool support carried by said tool holder for the reception of a tool, an independently reciprocating stop supported by the tool holder, connecting means between the stop and tool support, shiftable means carried by said connecting means, and means carried by the tool holder and tool support and cooperating with said shiftable means for retracting the tool support at an accelerated speed during the advance of the tool carrier.

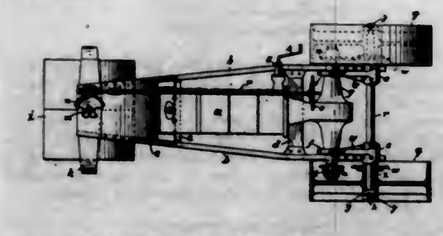
1,637,719. SAFETY SLIP FOR NURSING BOTTLES. SALLIE WHITLOCK, Los Angeles, Calif. Filed Aug. 26, 1924. Serial No. 734,187. Renewed May 24, 1927. 4 Claims. (Cl. 215—11.)

1. For use upon a glass nursing bottle, a removable rubber slip shaped to snugly fit the bottle, a rib at the top and bottom of said slip and a handle formed on opposite sides of said slip, said slip having an elongated



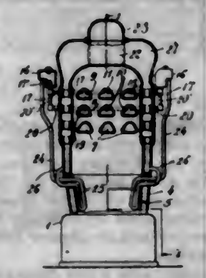
slot formed therein constituting a sight opening, the rubber about said opening being raised to form a rib at the edge of the opening.

1,637,720. ROAD ROLLER AND SCARIFIER. GEORGE C. ABBE and ROY C. WILLIAMSON, Kennett Square, Pa., assignors to American Road Machinery Company, Inc., Kennett Square, Pa., a Corporation of Delaware. Filed Sept. 24, 1924. Serial No. 739,489. 7 Claims. (Cl. 262—8.)



1. A road machine comprising, in combination, a frame, a roller mounted beneath the forward end of the frame, a pair of rollers mounted oppositely at the rear of the frame, a tractor unit having a rear axle and housing therefor, means to support the unit from the frame, said supporting means including a support for the front of the tractor unit and supports for the two ends of the axle housing and means affording driving connections between the rear axle of the tractor unit and each of said pair of rollers.

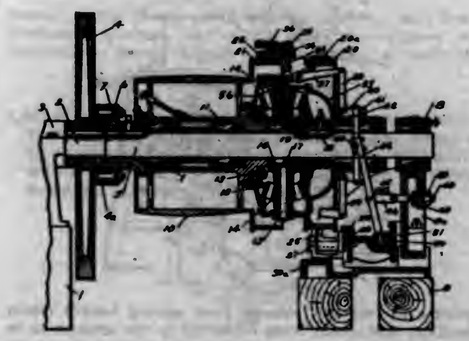
1,637,721. STEAM-BOILER ATTACHMENT. CARL Z. ALEXANDER, West Livingston, and EARL S. ALEXANDER, Newark, N. J., assignors, by mesne assignments, to Edwin C. Seward, Jersey City, N. J. Filed Jan. 18, 1922. Serial No. 530,196. 18 Claims. (Cl. 122—218.)



1. A steam heater comprising a fire-box section and a plurality of evaporating chambers above the water level and through which water is adapted to flow in thin

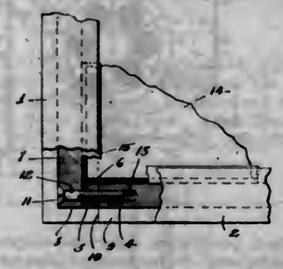
sheets, and a geyser device having a heating portion within said fire-box section in communication with the water space thereof and distributing connections extending one to each of said evaporating chambers to automatically supply water to all of them simultaneously.

1,637,722. CONTROL MECHANISM. RAYMOND L. AUSTIN, Bradford, Pa., assignor to Bovaird & Seyfang Manufacturing Company, Bradford, Pa., a Corporation of Pennsylvania. Filed Jan. 12, 1925. Serial No. 1,800. 1 Claim. (Cl. 192—17.)



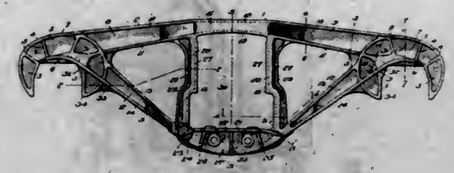
In a control mechanism, the combination of a clutch; a brake; and a cam mechanism comprising a cam setting the clutch and a cam actuating the brake, said cam being formed in a sliding block and adapted to actuate the clutch and brake alternately.

1,637,723. WINDOW-SASH CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Jan. 8, 1925. Serial No. 1,322. 1 Claim. (Cl. 189—76.)



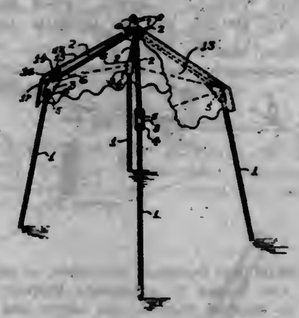
A window sash consisting of metal members substantially H-shaped in cross section whereby the sash members are formed with grooves in their inner edges for receiving the glass pane and channels in their outer edges, the connecting piece of the H formation being in the form of a rectangle approaching a square in cross section whereby the end faces of one of said connecting pieces forms a substantial bearing surface for abutting against the side face of the other connecting piece, the connecting piece of the H formation of one sash member which meets another to form a corner terminating short of the end of such member an amount equal to the depth of said channel and the other of said sash members having its connecting piece projecting beyond the end of the same an amount equal to the depth of the groove and abutting against the end portion of the connecting piece of the former member, and a screw extending transversely through the end portion of the connecting piece of the former member and lengthwise into the connecting piece of the latter member whereby the end edges of the side pieces of the H formation of the latter member abut against the side edges of the side pieces of the former member when the end of one connecting piece bears against the side of the other connecting piece.

1,637,724. SIDE FRAME. DONALD S. BARROWS, Rochester, N. Y. Filed Aug. 15, 1925. Serial No. 50,441. 20 Claims. (Cl. 105—205.)



1. A side frame comprising compression, tension and bolster column members, said compression and tension members being rigidly united at their ends, said bolster column members spacing intermediate portions of the compression and tension members and flexibly united with the tension member.

1,637,725. CANOPY OR TENT. WILLIAM C. BAXTER, Rochester, N. Y., assignor to E. M. Trimble Mfg. Co., Inc., Rochester, N. Y., a Corporation of New York. Filed Aug. 2, 1926. Serial No. 126,427. 10 Claims. (Cl. 135—4.)

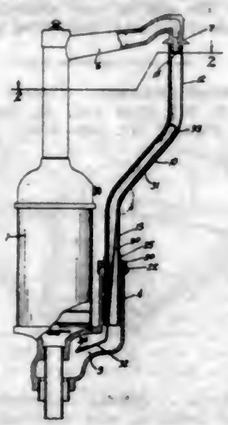


10. A canopy or tent comprising uprights, top rods connected at their outer ends to the uprights, projections at the inner ends of said top rods, and a central member formed of two abutting plates, each provided with two depressions on its abutting face forming two pockets of elongated cross section, the plates being spaced apart between the pockets, and a bolt passing through both plates between the pockets for drawing the same together in order to clamp the projections in the pockets, said plates each having at its upper ends a depression forming an upwardly opening pocket in which a flag pole may be received.

1,637,726. PROCESS OF PRODUCING EXPLOSIVES. FRANK H. BENGHIM, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 18, 1926. Serial No. 116,975. 17 Claims. (Cl. 52—20.)

1. The process which comprises forming a nitrated aliphatic hydrocarbon oxide by nitrating an aliphatic hydrocarbon oxide mixed with a polyhydroxy alcohol.

1,637,727. PUMP CONSTRUCTION. HANS M. BOE, Minneapolis, Minn. Filed Aug. 23, 1926. Serial No. 130,989. 7 Claims. (Cl. 221—72.)



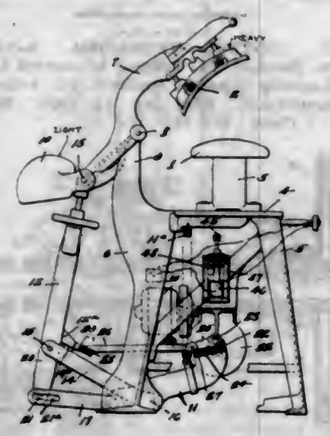
1. In combination, a base member having an angled passage, an angled tubular member, having one portion rotatably engaging within one portion of said passage, a stop engageable by said tubular member, and a torsion element wholly within the passage and tubular member having angled portions respectively engaged within said passage and tubular member and under tension to force the tube against the stop.

1,637,728. RIDDLE. EDMUND BOUAKE, Footscray, near Melbourne, Victoria, Australia. Filed Sept. 4, 1923, Serial No. 660,966, and in Australia June 3, 1922. 1 Claim. (Cl. 209—319.)

In a riddle for threshing machines, a pair of screen sections, and means to adjustably support said screen sections in stepped relation one above and forward of the other comprising a pair of fixed brackets having superposed notches in either one of which notches an end of a screen section is adapted to be engaged and supported, brackets fixed adjacent to the opposite end of and extending downward from said screen section, said brackets being arranged with vertically disposed notches and in either one of which notches an end of the other screen section is adapted to be engaged and supported to arrange the screen sections in stepped relation one above and forward of the other, and means to separately support the screen sections at the opposite ends from a fixed part to have adjustment in a vertical direction and variably incline one screen section independently of the other.

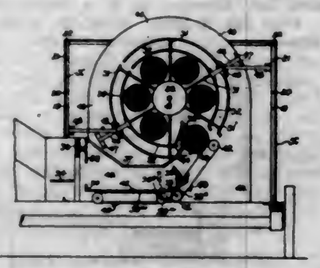
1,637,729. PRESSING-MACHINE CONTROL. PHILIP N. BRAUN, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed July 26, 1924. Serial No. 728,500. 8 Claims. (Cl. 68—9.)

1. A pressing machine comprising cooperating pressing elements, one of which is movable toward and from the other, a power member, connections between the power member and the movable element normally arranged in ineffective position and movable automatically into effective position by a preliminary closing movement of the movable element independently of the power member, an actuator for the power member and means for normally



holding the movable element from moving toward closed position, said means being connected to the actuator to be moved out of operative position and permit the movable element to close and said connections between the power member and the movable element to come into effective position.

1,637,730. HARVESTING MACHINE. LYLE JOHN CAMERON, Blundellsands, near Liverpool, England. Filed Jan. 16, 1922, Serial No. 529,778, and in Great Britain Jan. 20, 1921. 11 Claims. (Cl. 56—424.)

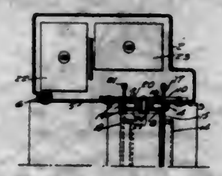


1. A shock positioning apparatus adapted to accompany a binder and receive bunched sheaves and deposit said sheaves as a shock in an upright position on the ground, said apparatus including a main frame, tracks carried thereby, a gliding frame on some of said tracks, a shock carrying ring supported from said gliding frame, and means engaging other tracks to cause said ring to be raised and lowered during a period of travel by said gliding frame.

1,637,731. WINDOW FRAME AND SASH CONSTRUCTION. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Jan. 27, 1926. Serial No. 83,999. 2 Claims. (Cl. 189—72.)

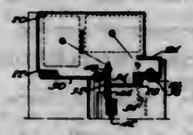
1. A window-frame and sash construction comprising a jamb having two vertical openings in the members forming the inner face of the jamb, partitions behind said openings, means for preventing air from passing between said openings on the inner side of said partition, a second pair of openings through said partition, one of said

openings running up substantially from the bottom of the jamb to the middle thereof, and the other running down substantially from the top of the jamb to the middle



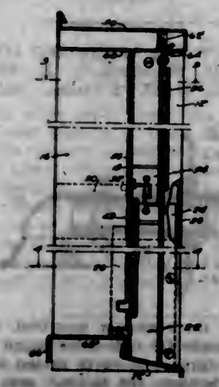
thereof, sashes having plates adapted to slide in said first-mentioned openings, and having chain lugs adapted respectively to extend through said second pair of openings.

1,637,732. WINDOW FRAME AND SASH CONSTRUCTION. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Apr. 23, 1926. Serial No. 104,086. 10 Claims. (Cl. 189—72.)



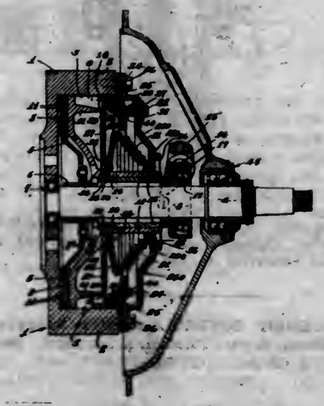
1. A window-frame and sash construction of the type in which the sash chains are behind the inner faces of the jambs and in which the sashes are provided with plates extending into openings in the inner face of the jamb, comprising jambs having an opening for a lower sash which is entirely closed, above the middle of the window, against the passage of air into a weight chamber or into any inner part of the jamb which may connect with the corresponding opening for the upper sash, and having an opening for an upper sash which is entirely closed, below the middle of the window, against the passage of air into any inner part of the jamb which may connect with the corresponding opening for the lower sash.

1,637,733. WINDOW FRAME AND SASH CONSTRUCTION. HARRY E. CAMPBELL, Baltimore, Md., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Nov. 2, 1926. Serial No. 145,759. 4 Claims. (Cl. 189—72.)



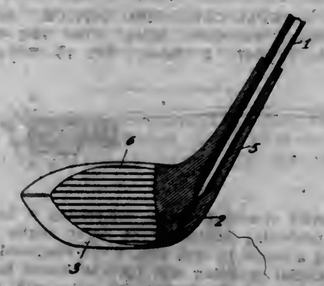
1. In a window-frame and sash construction, tubular side members forming weight boxes, two vertical openings in each of said members extending down about half way from the top, channels formed in the inner wall of each of said members connecting with said openings and continuing the line thereof to the bottom of said members and sashes adapted to slide in said channels having weight attaching portions extending through said openings.

1,637,734. FRICTION CLUTCH. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed June 1, 1921. Serial No. 474,217. 19 Claims. (Cl. 192—68.)



18. In clutch mechanism, the combination of a clutch casing member having a friction surface, a clutch plate engageable with said surface, a thrust ring slidable relatively to said casing, levers fulcrumed loosely at their outer ends on said casing, lever-actuating means with which said levers engage loosely at their inner ends, said levers engaging said ring intermediate their ends, and spring means arranged to exert pressure between said lever-actuating means and said ring and operative to force said ring and plate toward said surface.

1,637,735. GOLF CLUB AND METHOD OF MAKING THE SAME. STANLEY E. COLLINSON, Newton Center, Mass. Filed Jan. 12, 1926. Serial No. 80,708. 5 Claims. (Cl. 273—77.)

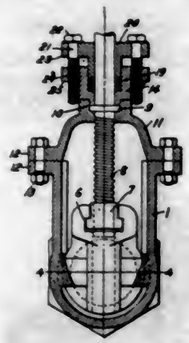


3. The method of making a golf club which includes pinching a portion of the head end of a tubular handle shaft to provide head end sections of relatively different shapes, and casting a metal head upon said sections, whereby the head and shaft will be firmly united against relative twisting and separation.

1,637,736. GATE VALVE. RUDOLPH CONRADES, Erie, Pa. Filed June 17, 1925, Serial No. 37,784. Renewed Oct. 23, 1926. 18 Claims. (Cl. 251—57.)

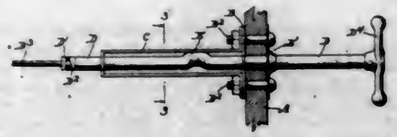
1. In a valve, the combination of a body; a seat in said body; a gate valve head operating on said seat; and wedging mechanism having engaging surfaces rigid

with the body and head forcing the head into seating engagement with the seat as the head is moved across the



xis of the seat in closing, said wedging surfaces permitting, when engaged, universal inclinational freedom of the head relatively to the seat.

1,637,737. DASH CONTROL. ALLYN RANFT COOPER, Marshalltown, Iowa. Filed Mar. 24, 1924. Serial No. 701,263. 6 Claims. (Cl. 74—39.)



1. In a control device, a shaft mounted for axial and for rotary movement, a lateral projection from said shaft, a housing for said shaft provided with a curved portion, the shaft being mounted eccentrically with respect to said curved portion, the projection from said shaft adapted to move against the curved portion of the housing to engage the same to lock the parts against movement.

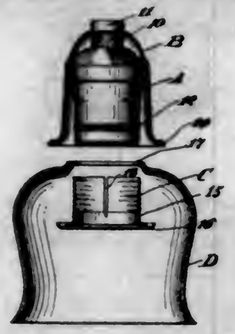
1,637,738. DENTAL CLEANSING DEVICE. ADONIRAM BIRD COUGH, Watertown, Mass. Filed July 6, 1926. Serial No. 120,647. 3 Claims. (Cl. 15—210.)



1. A dental cleansing device comprising a handle, a thin lip projecting therefrom at right angles thereto and having a recess in each side, a cap composed of soft fibrous material enclosing said lip, and means for pressing adjacent portions of said cap into said recesses, said means consisting of a spring clip of hairpin form having projections cooperating with said recesses and having its ends turned in slightly.

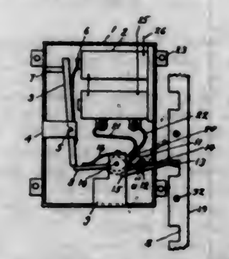
1,637,739. LAMP-SHADE HOLDER. THURE DAHL, New York, N. Y., assignor to Corona Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 10, 1925. Serial No. 8,153. 4 Claims. (Cl. 240—133.)

1. The combination with a lamp socket shell of the type having threads on the exterior thereof, of a metallic lamp shade holder including a threaded collar portion adapted to engage with the threads of the shell, said collar portion being longitudinally split to define a plurality of spring sections whereby it may be forced



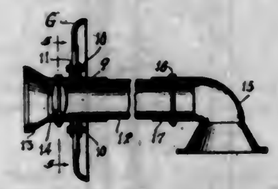
into place on the shell by a direct thrust, said holder having a flange for sustaining the weight of a shade with its rim resting on the flange.

1,637,740. ELECTRIC WINDOW-CLOSING DEVICE. FRANK DZIERZENGA, Brooklyn, N. N. Y. Filed Sept. 20, 1926. Serial No. 136,537. 5 Claims. (Cl. 70—50.)



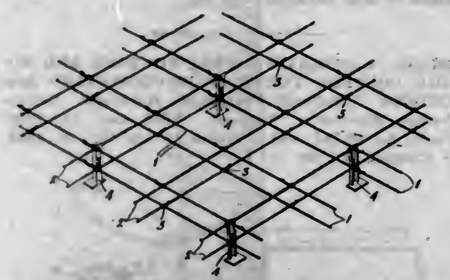
1. In a window closing device, the combination with a magnet of an armature in a cooperative relation with said magnet, an arm pivotally supported in a cooperative relation with said armature and adapted to support the window panel in an open position, said arm being further adapted to be locked in an operative position with the window panel open by said armature and to be released when said magnet is energized.

1,637,741. DEVICE FOR PROMOTING COMBUSTION. ELDON A. EARLE, Bloomfield, N. J. Filed Oct. 23, 1925. Serial No. 64,343. 2 Claims. (Cl. 110—175.)



1. A device of the character described, comprising a conduit having means for connection to an opening into the fire-box of a furnace so as to extend into said fire-box and supply air above the fuel-bed, said conduit having its inner end turned laterally downward and flared and having at the end of the flare a broad horizontally projecting annular flange which will be heated from the fire and heat the incoming air as it passes beneath said flange radially outward over the fire.

1,637,742. REENFORCED CONCRETE CONSTRUCTION. WALTER S. EDGE and RUSSELL C. OLMSTED, New York, N. Y. Filed June 24, 1924. Serial No. 722,004. 7 Claims. (Cl. 94—8.)



1. A reenforcing mat for concrete structures comprising a plurality of longitudinal and transverse bars arranged in two layers, the bars of each layer being secured together at points of intersection by bar-ties and a plurality of supporting chairs distinct from the bar ties secured to said bars at points of intersection by certain of said bar-ties.

1,637,743. DEVICE FOR TESTING SAFETY VALVES ON TANK CARS. WILLIAM H. FINE, Los Angeles, Calif. Filed May 10, 1926. Serial No. 108,033. 7 Claims. (Cl. 265—47.)



1. A safety valve tester comprising a support, a cylinder upon said support, a liquid in said cylinder, a plunger in the cylinder, a jack screw extending through the plunger, means for connecting the jack screw to a valve to be tested, a collar threaded onto the jack screw adapted on rotation to press upon the plunger to cause the jack screw to unseat the valve and at the same time to cause the plunger to exert pressure upon the liquid, and means for indicating the pressure developed upon the liquid in the cylinder.

1,637,744. DIRECTION SIGNAL FOR MOTOR VEHICLES. FRANK F. GENTSCH, Cincinnati, Ohio. Filed Sept. 4, 1926. Serial No. 133,691. 1 Claim. (Cl. 116—30.)

A device of the character specified, comprising a casing open at both ends, a unitary signal plate slidably mounted in said casing, two cords, one end of one of said cords being attached to one end of said signal plate, and one end of the other cord being attached to the opposite end of said signal plate, roller bearings in said casing at the opposite ends thereof, each of said cords being adapted to pass over the roller bearings in the end of the casing opposite the end of its attachment to said plate, the free ends of said cords being extended through an opening in the lower central portion of said casing, whereby said signal plate may be extended through either end of the casing by the operation of one or the other of



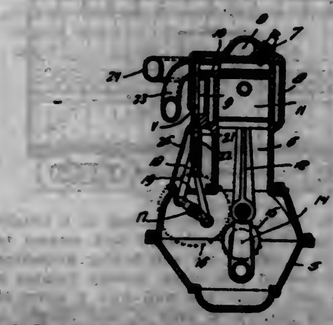
said cords, indicia on the respective end surfaces of said plate adapted to be displayed beyond the respective ends of the casing when said plate is extended, a closure for each end of said casing, said closures being pivotally mounted at the upper ends of said casing, and each being adapted to be operated by the extension of said plate through its end of the casing, the lower end of each of said closures being weighted so as gravitationally to return them to closing position, and means for attaching said casing to a motor vehicle.

1,637,745. EXPANSIBLE BORING MACHINE. AMOS GOSPER, Brighton Le Sands, New South Wales, Australia. Filed Dec. 27, 1926, Serial No. 157,251, and in Australia May 5, 1926. 6 Claims. (Cl. 144—85.)



1. An improved boring machine for boring holes having enlarged inner ends comprising, a casing, a spindle rotatable in said casing, a pair of tool holders pivotally carried by said spindle, control arms on said tool holders extending inwardly into the casing, cutters carried by said tool holders, a stem slidable within the spindle and adapted to engage said control arms, and a control member mounted adjacent to the cutters and adapted to be actuated by the work-pieces being bored to slidably move the stem member and thus automatically open the cutters to form the enlarged inner ends of the holes being bored.

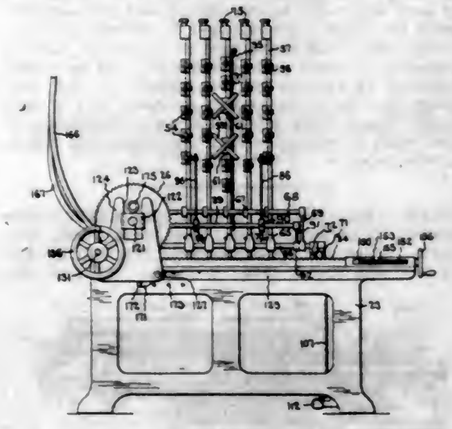
1,637,746. INTERNAL-COMBUSTION ENGINE. JOSEPH JEAN GREGOIRE, Hollywood, Calif. Filed Oct. 26, 1926. Serial No. 144,294. 2 Claims. (Cl. 123—188.)



1. In an internal combustion engine, the combination of a cylinder having a vertical slide-way on the exterior thereof, a valve including a bar-like body having extend-

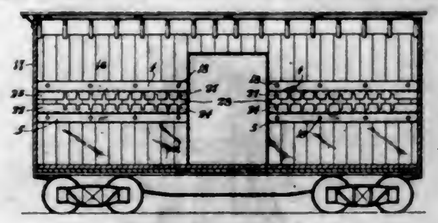
ing from one end thereof a pair of loops, a crank shaft for the operation of said valve, a connecting rod engaged with said crank shaft and having a laterally extending pin at one end, said one end extending between the loops with the pin ridable in the loops so as to form a lost-motion connection between the crank shaft and the valve to transfer the rotary motion of the crank shaft into vertical rectilinear motion of the valve for the purpose of closing and opening intermittently a port provided in the cylinder.

1,637,747. APPARATUS FOR CURVING PRINTING PLATES. ALBERT HALSTEAD, Jr., Milwaukee, Wis. Filed Jan. 4, 1926. Serial No. 79,101. 21 Claims. (Cl. 101—401.2.)



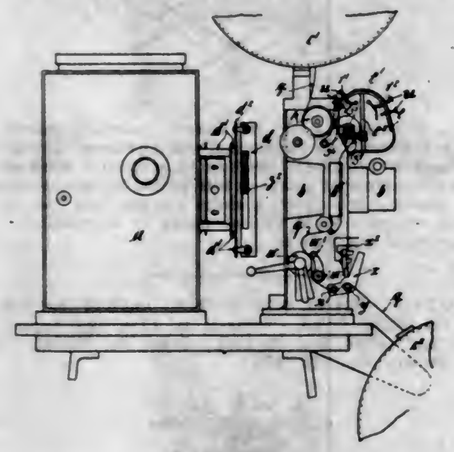
1. In a machine for curving printing plates, the combination of a rollable mold, a flexible band, means attaching one end of said band to said mold, means anchoring the other end of said band substantially stationary with relation to said rollable mold, the circumference of said rollable mold having an integral printing plate resisting surface, and means whereby to roll said mold and thereby wrap said flexible band about said mold with the printing plate between said flexible band and said integral surface throughout the area of the printing plate.

1,637,748. MEANS FOR SUPPORTING THE CONTENTS IN FREIGHT CARS. ROY E. HARMON, Lockland, Ohio. Filed Oct. 22, 1926. Serial No. 143,496. 7 Claims. (Cl. 105—369.)



1. In means for supporting the contents of a freight car, a pair of spaced apart horizontal bars secured to the inner wall of a freight car and having projecting flanges extending toward each other, thereby forming a channel between said flanges and wall with a series of oppositely disposed notches in each of said flanges, a horizontal bar attached to the opposite wall of said car and having a flange spaced apart from said wall and provided with a series of notches in alignment with the notches of said first-mentioned bars, and a detachable cross bar pivotally and slidably mounted between said first-mentioned bars and adapted to be swung into a cross-wise position whereby it will engage one of said notches in said last-mentioned bar.

1,637,749. AUTOMATIC SAFETY SHUTTER AND MOTOR CONTROL FOR PICTURE-PROJECTING MACHINES. CHARLES FREDERICK HARRISON, Levenshulme, Manchester, England. Filed Oct. 13, 1925, Serial No. 62,281, and in Great Britain Apr. 30, 1925. 4 Claims. (Cl. 88—17.)

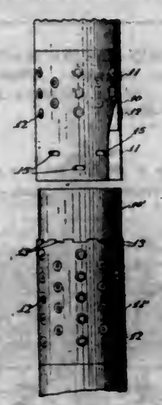


4. In picture projecting machines and in safety appliances therefor, a series of electric switches collectively operated by either the ballooning, tightening, slackening or breaking of the film, an electro-magnet common to all said switches and electrically connected therewith and a shutter controlled by such electro-magnet for shutting off the light when the film balloons, tightens, slackens or breaks, one of said switches comprising a lever on the axis of the bottom guide roller or sprocket wheel of the machine, a pair of stationary terminals near to one arm of the lever, said terminals being connected with the electro-magnet, and said lever having a roller or further sprocket wheel on the arm furthest from the terminals, whereby on a film being placed in the machine and passed over one roller or wheel and below the other, the tension of the film serves to hold the lever clear of the terminals, while immediately the film breaks or slackens unduly, the lever makes contact with the terminals and completes the magnet circuit, the said circuit remaining completed until the lever is again held clear of the terminals by a film, substantially as herein set forth.

1,637,750. JOINT FOR CASING SECTIONS AND METHOD FOR MAKING THE JOINT. OLIVER W. KILHAM, Los Angeles, Calif., assignor to American Steel Pipe and Tank Co., Los Angeles, Calif., a Corporation of California. Filed July 21, 1926. Serial No. 123,928. 6 Claims. (Cl. 113—112.)

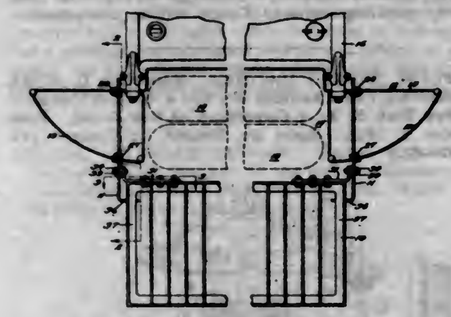
1. The method of assembling together sections of stovepipe casing or the like, which includes inserting the projecting end of the inner joint of casing on one end of one casing section into the projecting end of the outer joint of casing on one end of another casing section until the outer joints abut each other, forming recesses in the abutting edge of one of said outer joints, and filling said recesses by welding, thus joining the abutting outer joints to each other and to the inner joint.

4. A section of stovepipe casing or the like comprising a plurality of inside joints arranged in alinement, a plurality of outside joints secured about the inner joints, the seams between the outer joints being staggered or broken with respect to the seams between the inner joints,



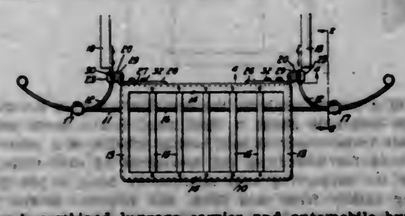
the end inner joint on one end of the casing projecting beyond the end outer joint on the same end, said end outer joint having recesses formed on its end edge as and for the purpose described.

1,637,751. AUTOMOBILE LUGGAGE CARRIER. FRANK J. LAHER, Oakland, Calif. Filed Aug. 31, 1926. Serial No. 132,726. 8 Claims. (Cl. 293—55.)



1. A luggage carrier comprising a rack, a pair of extension members, means for pivotally securing said rack to said extension members, and means for securing said members to an automobile bumper.

1,637,752. COMBINED AUTOMOBILE LUGGAGE CARRIER AND BUMPER. FRANK J. LAHER, Oakland, Calif. Filed Mar. 2, 1927. Serial No. 171,954. 11 Claims. (Cl. 293—55.)



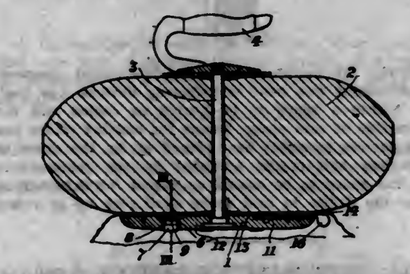
1. A combined luggage carrier and automobile bumper comprising a rack, means for pivotally securing said rack to an automobile bumper whereby it may be swung about a horizontal axis, means forming a fixed rest for said rack when in operative position, and means for vertically adjusting said pivotal securing means with respect to said rest.

1,637,753. TIRE STRUCTURE. ANNIE M. LANE, Los Angeles, Calif. Filed Nov. 1, 1926. Serial No. 145,523. 2 Claims. (Cl. 152—8.)



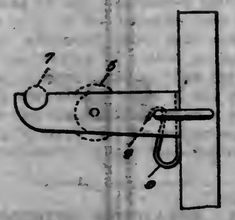
1. A resilient tire comprising a circular rim channel shape in cross section, a helical spring fitting inside the rim and projecting outwardly therefrom, a core disposed within the spring having such inside diameter that it will hold the spring against the rim, the outside of the rim being disposed in spaced relation to the outside of the spring, means connecting sides of the rim through the core and spring, the inner portions of the convolutions of the spring being arranged in abutting relation, and the outer portions of the convolution being spaced over each other, and a casing fitting over the spring and rim.

1,637,754. CURLING STONE. PETER MCLEOD, Glasgow, Scotland. Filed Nov. 23, 1926, Serial No. 150,288, and in Great Britain Nov. 27, 1925. 19 Claims. (Cl. 273—108.)



2. A curling stone having pieces of wax carried in the stone adapted to project below the lower surface of the stone to form a bearing therefor and means for feeding the wax as it is worn away.

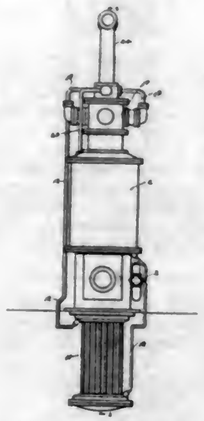
1,637,755. SHADE AND CURTAIN SUPPORT. LORENZO PLESCE, Hasleton, Pa. Filed Apr. 24, 1926. Serial No. 104,412. 1 Claim. (Cl. 156—23.)



The herein described support comprising rod-like supporting means adapted to be secured in front of a face of a window frame or casing, and brackets each having a back plate adapted to bear against the face of a win-

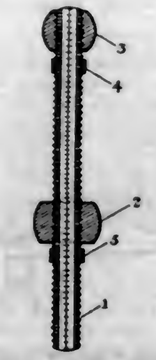
dow frame or casing and forwardly extending supporting arms on said back plate and each also having a portion integral with and pendent from the back plate in the same plane as said plate and a portion extending forwardly and upwardly and downwardly from said pendent portion and adapted to rest back of and over the rod-like supporting means; the said pendent portion being adapted to cooperate with the back plate in preventing sagging of the forwardly extending supporting arms on said back plate.

1,637,756. METHOD AND MEANS FOR MAINTAINING A PREDETERMINED TEMPERATURE. CHARLES A. STICKNEY, Rockford, Ill., and ALPHEUS B. STICKNEY, New Haven, Conn. Filed Oct. 29, 1925. Serial No. 65,707. 7 Claims. (Cl. 236—1.)



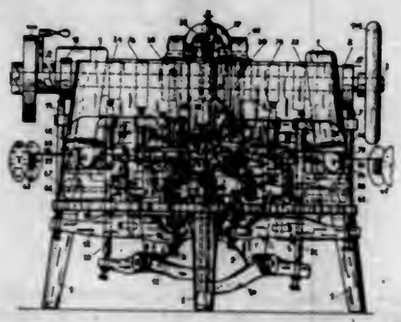
1. Means for maintaining a pre-determined temperature comprising two heat transferring devices, one positioned within a space to be heated or cooled and the other outside of said space, means for causing either one of said devices to reject heat picked up by the other of said devices and means actuated by the temperature within the space to be heated or cooled for determining whether the device in said space shall pick up or reject heat.

1,637,757. INSTRUMENT FOR GAUGING INTERNAL TAPERS. BERNHARD M. SWANSON, Los Angeles, Calif. Filed Feb. 28, 1925. Serial No. 12,464. 1 Claim. (Cl. 33—174.)



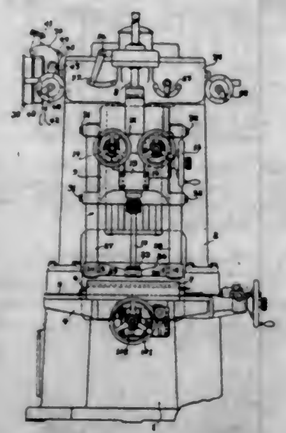
A gauge comprising an elongated threaded member provided with graduations of length, two spherical members of unequal diameters threaded on said member and provided with graduations adapted to cooperate with the graduations on said elongated member, and means for locking said spherical members on said elongated member in adjusted position.

1,637,758. CHAIN-MAKING MACHINE. JONATHAN WENZ, Pforzheim, Germany. Filed Jan. 16, 1925, Serial No. 2,780, and in Germany Feb. 6, 1924. 40 Claims. (Cl. 59—25.)



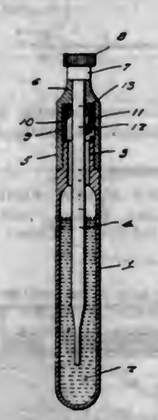
1. A chain making machine including a support, two sets of chain making mechanisms extending transversely one of the other on opposite sides of said support, said mechanisms each including link forming members and wire feeding mechanism to mesh and secure the links one with another, and a single cam shaft extending transversely of both of said chain making mechanisms and having cams of duplicate construction arranged for alternately operating said sets of chain making mechanisms.

1,637,759. BORING MACHINE. FREDERICK C. ALLEN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 2, 1922. Serial No. 598,588. 2 Claims. (Cl. 77—63.)



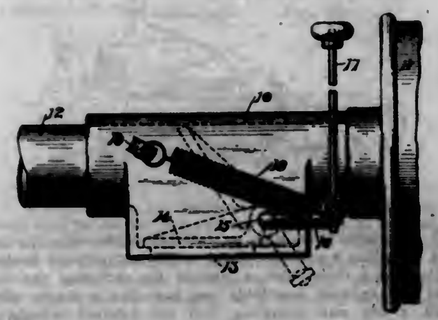
1. In a boring machine, the combination with a boring spindle rotatable about a fixed axis, and a work table movable transversely of said boring spindle, of a micrometer head for measuring the movement of said table, a casing for supporting said micrometer head, a pin projecting axially from said head, and resilient means retained against rotation and adapted to be forced into contact with said pin for locking said pin to the casing to hold the micrometer in any set position.

1,637,760. CLINICAL THERMOMETER. CHARLES E. BASDT, Mahanoy City, Pa. Filed Dec. 2, 1926. Serial No. 152,172. 1 Claim. (Cl. 206—16.5.)



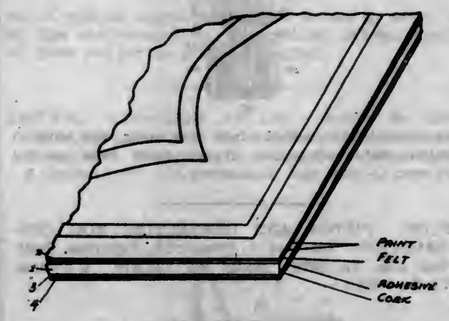
In a clinical thermometer of the class described, a casing constructed to provide a container for sterilizing fluid, said casing being further constructed at one end to provide a reduced screw threaded neck having a bore serving as a passage for a thermometer, a special fitting threaded onto said neck, said fitting being provided with a socket, the bottom of which is spaced from the adjacent end of said neck, a bushing fitting into said socket, a spring pressed valve carried by said bushing, said fitting being provided with a bore with which said valve is cooperable, and a packing disc interposed between the bottom of said socket and the adjacent end of said bushing, said valve being cooperable with said packing.

1,637,761. MUFFLER CUT-OUT. HENRY R. BUTLER, Oakland, Calif., assignor of one-half to Theodore H. Cook, Oakland, Calif. Filed June 25, 1923. Serial No. 647,562. 1 Claim. (Cl. 251—125.)



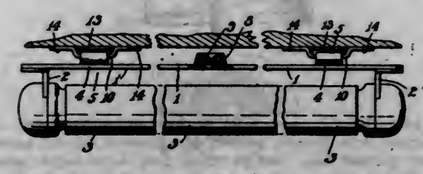
A cut-out for mufflers comprising a tubular section for insertion in the exhaust pipe in front of a muffler, said tubular section having a rectangular portion extending downwardly therefrom, the bottom of said extension being formed with an opening, a flap valve mounted in said rectangular portion for controlling said opening, a pivot shaft journalled in said rectangular portion and upon which the flap valve is fixed, said shaft extending at right angles to the axis of the exhaust pipe, one end of shaft being bent to form a crank exteriorly of the rectangular portion, a vertical rod pivotally connected to said crank for operating the valve, a lug projecting from the side of the tubular section, and a tension spring connected to said lug and to said crank portion of the pivot shaft, said lug being disposed at such an angle with relation to the pivot shaft that the spring will yieldingly retain the valve in either open or closed position, said spring and crank portion of the pivot shaft lying alongside of said rectangular portion of the tubular section.

1,637,762. FLOOR COVERING. JOHN B. CAMPBELL, Salem, N. J., assignor to The J. B. Campbell Manufacturing Company, Salem, N. J., a Corporation of New Jersey. Filed Sept. 7, 1926. Serial No. 133,789. 4 Claims. (Cl. 154—49.)



4. In combination with the body of a floor covering of felt base type, a backing therefor formed of a thin film of powdered cork bound to the body by a pyroxylin adhesive.

1,637,763. ROLLER-SHADE BRACKET. EDWIN R. CLEGG, La Fayette, Ind. Filed June 10, 1925. Serial No. 36,133. 3 Claims. (Cl. 156—23.)

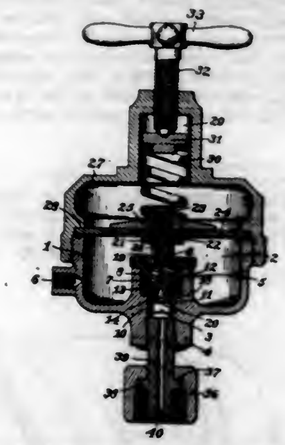


1. A curtain support for automobiles comprising a spring bar having on one face thereof bracket fixtures for a shade roller and on the opposite face thereof a pair of downwardly presented clips, said spring bar intermediate the clips having a portion projecting from the clip surface to an extent greater than the distance from said surface to the nearest plane of the clipping mouth, whereby, when the bar is clipped upon a support the bar will be sprung laterally by the projection and the projection will frictionally engage the support.

1,637,764. PRESSURE REGULATOR. THOMAS COLES, Homestead, Pa. Filed Feb. 16, 1926. Serial No. 88,568. 5 Claims. (Cl. 50—23.)

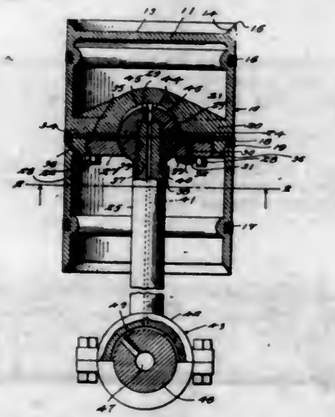
1. A high pressure gas regulator comprising a body, a high pressure and low pressure chamber therein, a

communicating passageway therebetween, a valve head movable axially under impulse of gas pressure onto a seat to close said passageway, said valve head having two



frusto-conical faces merging into each other, and adapted to successively engage two frusto-conical faces on the valve seat to close said passageway.

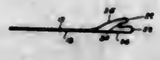
1,637,765. PISTON AND CONNECTING-ROD CONSTRUCTION. CHARLIE A. COMSTOCK, Fullerton, Calif. Filed Aug. 31, 1926. Serial No. 132,876. 6 Claims. (Cl. 74—108.)



1. In combination, a piston having a bearing, a connecting rod having a head at its upper end mounted in the bearing in the piston, and a bearing at its lower end for engagement with the crank shaft, a port connecting the faces of said bearings, a ring groove in the exterior of the piston, a connection between said ring groove and the bearing of the piston and a further connection between said ring groove and the interior of the piston.

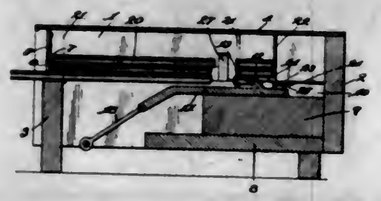
1,637,766. HAIRPIN. WILLIAM H. H. DAVIS and FRANK CELENTANO, San Francisco, Calif., assignors, by direct and mesne assignments, of one-half to said Davis and one-half to Harry White, San Francisco, Calif. Filed June 24, 1926. Serial No. 118,163. 4 Claims. (Cl. 132—50.)

1. A hair pin comprising a single flat strip of spring material doubled upon itself to form a pair of parallel branches normally in contact their entire length and a looped end, said strip being also shaped to provide a pair of spaced finger hold portions between the branches and said looped end, at least one of said portions having a



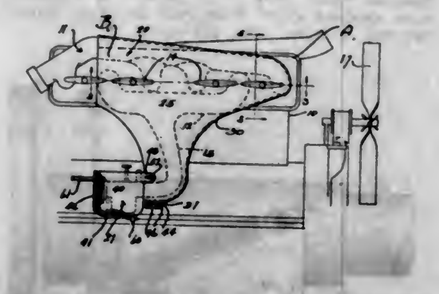
portion converging into contact with the branch secured to the other fingerhold portion thereby forming a fulcrum for the branches.

1,637,767. SANITARY STRAW-VENDING MACHINE. WILLIAM H. DELANO, Saugus, Calif. Filed Nov. 1, 1926. Serial No. 145,556. 3 Claims. (Cl. 211—8.)



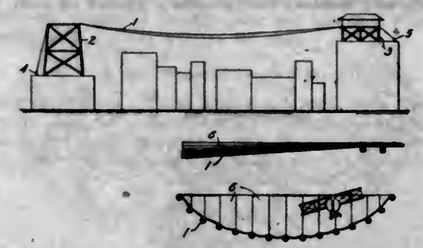
1. A straw vending machine comprising a combination, a housing having an opening, a V-shaped cradle for straws, a reciprocating plunger having a tooth to engage the rear end of the lowermost straw, an agitating device comprising a resilient strip, part of said strip being engaged by the tooth upon the reciprocation of the plunger, and a finger in engagement with the straws to agitate same.

1,637,768. MANIFOLD-HEAT RETAINER. CLARK W. DIMOND, Minneapolis, Minn. Filed Jan. 16, 1925. Serial No. 2,916. 2 Claims. (Cl. 123—122.)



2. In combination with an internal combustion engine and including a cylinder block, intake and exhaust manifolds, and a carburetor, a housing for enclosing the intake and exhaust manifolds and including a single side wall, a top wall arcuating over the exhaust manifold, and a forward wall arcuating in stream line manner from the top wall downwardly along the cylinder block in rearwardly sloping relation to protect the intake and exhaust manifolds from air currents from forwardly of the internal combustion engine, a bottom wall for said casing adjacent said carburetor, and a carburetor casing including an outer side wall, an arcuate rear wall, a short inner side wall, a bottom, and being open at the top thereof, and means detachably connecting the carburetor casing with said first mentioned heater casing to permit flow of heat from the first mentioned housing into the carburetor casing between the same and said carburetor.

1,637,769. LANDING AND TAKING-OFF STATION FOR AIRCRAFT. WALTER JAY ENNISSON, Brooklyn, N. Y.; Edith A Ennisson executrix of said Walter J. Ennisson, deceased. Filed May 23, 1923. Serial No. 640,861. 9 Claims. (Cl. 244—2.)



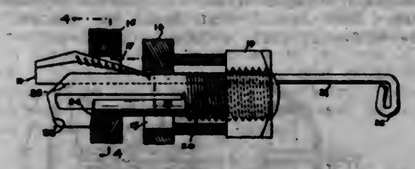
1. An aviation station comprising a roadway of relatively flat and self sustaining material suspended from spaced points and having a portion of said roadway along a side edge banked upwardly from the central portion.

1,637,770. FENDER GUARD. ROLLIE B. FAGSOL, Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn., a Corporation of New York. Filed Feb. 18, 1925. Serial No. 9,980. 3 Claims. (Cl. 293—55.)



1. In combination with an automobile frame and wheel fenders carried thereby, a fender guard of U-shaped design, one leg of which is adapted to be fastened to the side bar of the automobile main frame, and the other leg of which extends along the outer face of the fender, said last named leg terminating in an inturned hook extending around the outer marginal flanges of a fender.

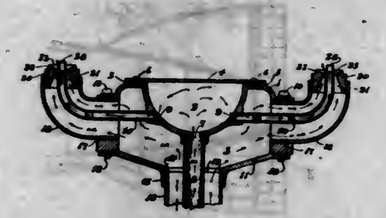
1,637,771. WEDGE. THADDEUS L. E. HADO, Berkeley, Calif. Filed Apr. 23, 1923. Serial No. 633,896. 5 Claims. (Cl. 85—1.)



1. A bolt having an abutment at each end and means which may be moved into and out of position to lock said bolt against withdrawal and to permit its release while both of the abutments are maintained in fixed position on the bolt, which means includes a wedging surface provided with grooves extending in a direction across said surface.

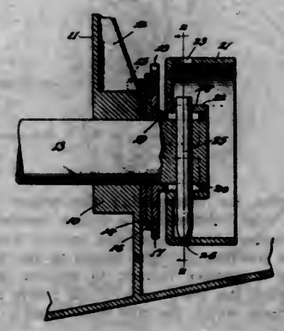
1,637,772. AIR-BLAST GAS BURNER. CHARLES F. HECKEL, Newport, Ky., and EDWARD MESSER, Pittsburgh, Pa.; said Heckel assignor to said Messer. Filed Mar. 22, 1923. Serial No. 626,767. 12 Claims. (Cl. 158—110.)

1. In combination with a gas furnace and contained therein, a gas chamber with means for admitting gas thereto, an air chamber surrounding said gas chamber and means for admitting air thereto, a plurality of gas outlets leading and radiating from said gas chamber, a plurality of air outlets leading from said air chamber and encircling said gas outlets, respectively, in spaced apart relation thereto, and adjustable means in the outer



end of said air outlets with means therein by which the air flow and pressure may be regulated, substantially as set forth and for the purposes specified.

1,637,773. FAN-BELT PULLEY. HARRY B. HULL, Oilton, Okla., assignor of one-half to Clyde S. Goodall, Yale, Okla. Filed May 19, 1926. Serial No. 110,205. 3 Claims. (Cl. 308—167.)

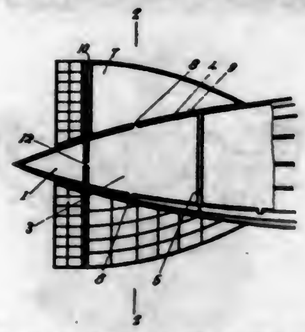


3. The combination with an engine crank shaft, and a bearing for the forward end portion thereof, of a bearing washer fitted upon said shaft against said bearing and held against rotation with the shaft, a second washer fitted upon said shaft and provided with a sleeve snugly fitting the shaft and extending towards its front end, the sleeve being formed with opposed longitudinally extending slots and said shaft having a diametrically extending passage communicating with the opposed slots of the sleeve, a pulley having a hub fitted upon said sleeve and adjustable longitudinally thereon, and a pin extending diametrically through the hub of said pulley and through the opposed slots of said sleeve and passage of said shaft.

1,637,774. GAS-INFLATED AIRSHIP. KARL HÜNTLE, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed Jan. 20, 1926, Serial No. 82,854, and in Germany Feb. 4, 1925. 5 Claims. (Cl. 244—3.)

1. An airship comprising a rigid hull, a plurality of individual gas cells inserted into said hull, two adjacent

gas cells having a horizontal flue connecting them together, said flue constituting the sole means of communication to the interior of one of the two adjacent gas cells, the other gas cell having gas inlet and outlet fixtures.

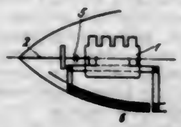


1,637,775. COMBINATION ADVERTISING FOLDER AND GAUGE. ROBERT H. KEATON, San Francisco, Calif. Filed Oct. 20, 1924. Serial No. 744,699. 3 Claims. (Cl. 33—175.)



1. A device for determining the proper inflation of pneumatic tires, comprising a folder consisting of two hingedly connected sections, one section adapted to be swung to a position at right angles to the other section and having a member thereon to register with the rim of a tire when the lower edge of the folder rests upon a pavement upon which the tire rests when a tire is properly inflated.

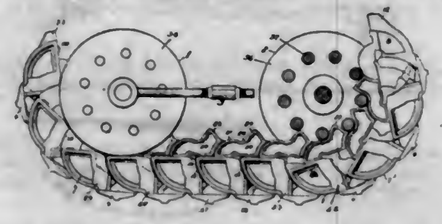
1,637,776. ARRANGEMENT FOR CHANGING THE MACHINERY OF HIGH-SPEED SUSPENSION. FRANZ KRUCKENBERG and FRITZ GENTZCKE, Heidelberg, Germany; said Gentzcke assignor to said Kruckenberg. Filed Jan. 24, 1925, Serial No. 4,576, and in Germany Nov. 12, 1924. 16 Claims. (Cl. 105—66.)



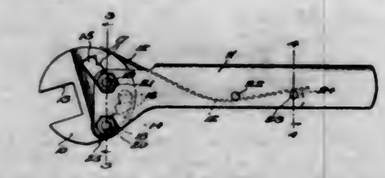
1. A high speed suspension car provided with driving mechanism, the car body having an opening in the bottom of the hull, said opening being so located as to permit the driving mechanism to be dropped therethrough clear of the car body.

1,637,777. TRACTOR CHAIN. HENRY Y. LAW, Merced, Calif. Filed Nov. 24, 1920. Serial No. 426,134. 3 Claims. (Cl. 305—10.)

1. A tread chain comprising a plurality of links each consisting of two offset spaced arcuate members, a tread plate connecting the lower ends of the arcuate members, a bar connecting the upper ends of the arcuate members, rocker contact lugs formed on the upper inside corners of said members, said lugs being adapted to engage the corresponding lugs of adjacent links to pivotally connect them, said members having arcuate grooves on their opposed faces, extension lugs formed on the outer ends of said members for engagement by the grooves of adjacent links, rail surfaces on the upper sides of said members and lugs laterally displaced from the rail surfaces and adapted to contact with the under surface of the said connecting bar to prevent flexure of the chain in an upward direction.

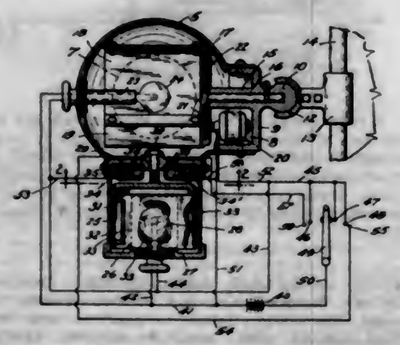


1,637,778. WRENCH. ISAAC W. LITCHFIELD, Newtonville, Mass. Filed May 5, 1921. Serial No. 467,182. 19 Claims. (Cl. 81—58.)



1. A wrench comprising a jaw member, an operating member, and connections therebetween comprising a plurality of angularly disposed serrated slots in one of said members, and means on the other of said members simultaneously engaging a serration in each said slot.

1,637,779. SIGNALING DEVICE. WILLIAM T. MARCOTT, Olympia, Wash., assignor to Marcott Auto Signal Company, Olympia, Wash., a Corporation of Washington. Filed July 5, 1921, Serial No. 482,596. Renewed Jan. 22, 1927. 1 Claim. (Cl. 177—329.)



In a signaling device for automobiles, a cylindrical bracket piece having one closed end, a globular mounting arm projecting outwardly from the closed end, a boss, having a bore, carried by the closed end of the bracket piece and projecting through the bore of the latter, a substantially spherical casing having a cylindrical communicating projection receiving and fastened to the cylindrical bracket piece, said casing having sight openings, a cylindrical signal cage having a stub shaft journaled in the bore of the boss and arranged within the casing for being viewed through the sight openings of the latter, an internal ring gear concentric with and projecting from one end of the cage, and an electric motor mounted within the cylindrical bracket piece and having a pinion meshing with the ring gear on the cage.

1,637,780. SEAT. ALFRED FELLOWS MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 3, 1925. Serial No. 72,928. 7 Claims. (Cl. 155—50.)



1. In a device of the character described, in combination, a base, a plate carried with the base, a supporting element, blocks of yielding non-metallic material disposed between the plate and the supporting element along the rear edge thereof, said blocks being formed with a plurality of vertically disposed recesses, and straps of yielding non-metallic material secured to the forward edge of the supporting element and to the plate adjacent thereto.

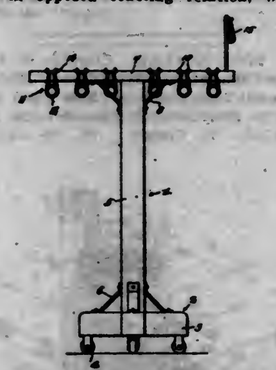
1,637,781. HAIR-TINTING DEVICE. FREDERICK J. MATHESON, Newark, N. J. Filed Sept. 4, 1926. Serial No. 133,552. 7 Claims. (Cl. 132—41.)



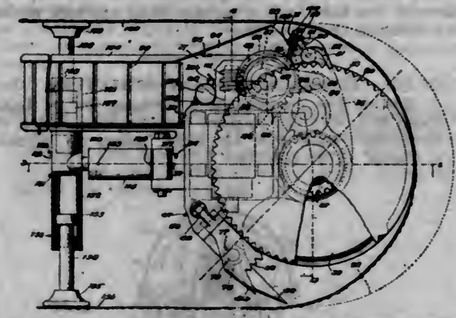
1. A device adapted to prevent hair previously dyed from being streaked when dye or the like is applied to the new grown hair comprising clamp members pivotally attached, said clamp members held in a closed position by a snap fastener, said clamp members provided with curved portions, adapted to conform to the head of a person, a notch provided at the upper edge of the free extremity of the clamp member, a second notch formed in the lower edge of the second clamp member, so as to permit the device to be readily opened.

1,637,782. BROOM HOLDER. ANDREW JACKSON MILLIGAN, Hoopeston, Ill. Filed June 28, 1926. Serial No. 119,111. 1 Claim. (Cl. 211—14.)

A stand of the class described comprising a base, a vertical standard secured thereon, a horizontal arm having its intermediate portion secured on the upper end of the standard, broom supporting means carried by said arm, said means comprising a series of eye members secured on the top of said arm and arranged in pairs adjacent each longitudinal edge of the arm, a spring clamp having a broom handle engaging loop hingedly associated with each pair of eye members, each of said spring clamps being formed of a single strand of wire, the intermediate portion thereof being bent to provide a broom handle clamping loop, the free ends of the wire being disposed rearwardly in converging relation, and terminating in laterally disposed ends which are adapted for disposition in the respective eye members of each pair, said spring clamps being disposed on opposite sides of the arm in opposed coacting relation, whereby the brush heads of each pair of opposed brooms on the opposite sides of the arm will engage with each other to hold the spring clamp in an outwardly disposed position.

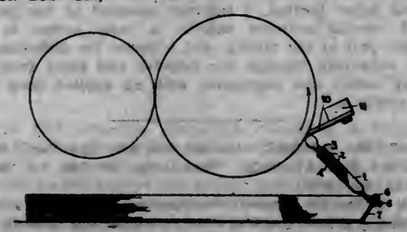


1,637,783. MINING AND LOADING MACHINE. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Nov. 15, 1920. Serial No. 424,051. 78 Claims. (Cl. 262—5.)



3. In a mining and loading machine, the combination with supporting frame-work, of conveyer mechanism mounted thereon, coal cleavage mechanism having a free and unobstructed space in advance thereof, means for operating the same by direct action on the native bed in the mine, and means for collecting the dislodged material and moving it toward the receiving end of said conveyer mechanism.

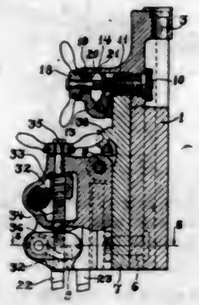
1,637,784. CALENDER KNIFE. KIMBALL OYLER, Los Angeles, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 8, 1925. Serial No. 35,621. 4 Claims. (Cl. 164—39.)



3. The combination with a trimming device adapted to engage a calender roll, of a scraper operatively as-

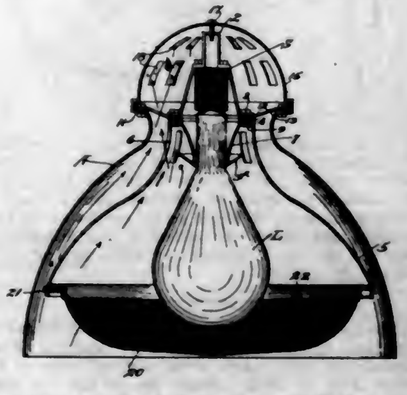
sociated with the trimming device and adapted to engage the roll to remove scraps of severed material from the latter.

1,637,785. TOOL HOLDER. CLIFFORD F. RANDOLPH and NICHOLAS MARCALUS, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 24, 1923. Serial No. 670,535. 10 Claims. (Cl. 90—52.)



1. A tool holder comprising in combination, a block adapted to receive a cutting tool therein, a plurality of rotary eccentrics operative against the tool to clamp the same in the block, and a unitary hand operated means for rotating the eccentrics.

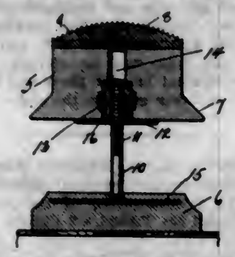
1,637,786. INCANDESCENT-LAMP STRUCTURE. JAY J. REKAR, Los Angeles, Calif., assignor to De Luxe Lamp Mfg. Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 15, 1926. Serial No. 88,381. 9 Claims. (Cl. 240—78.)



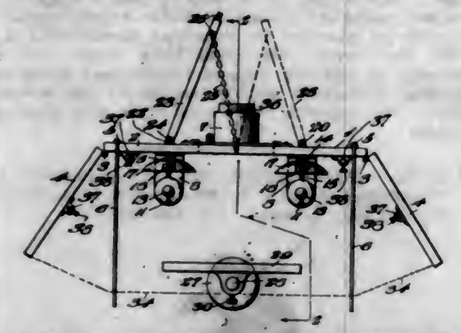
2. A lamp structure including a canopy having a ventilated upper portion, a reflector mounted in the canopy and venting outward thereto, a lamp socket in the upper part of the canopy, and a device for deflecting hot air outwardly through the reflector and away from the lamp socket and engageable with an applied lamp bulb to steady it.

1,637,787. BRIDGE. GEORGE SCHMID, New York, N. Y. Filed Dec. 17, 1923. Serial No. 681,245. 1 Claim. (Cl. 84—309.)

A bridge for musical instruments comprising a head having a groove therein, a string supporting piece in said groove, said head having a bore therein, a sleeve in the bore, projections on the sleeve for preventing turning movement thereof, a threaded spindle operable through said sleeve to raise and lower the head, a base, an enlarged foot member on the spindle positioned in said base and a lock nut on the spindle for maintaining the head in its adjusted position.

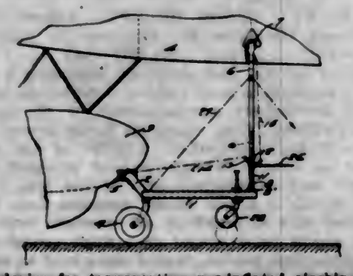


1,637,788. PROJECTING LANTERN. FREDERICK W. SCHMIDT, Philadelphia, Pa. Filed Apr. 18, 1924. Serial No. 707,352. 3 Claims. (Cl. 88—24.)



1. In a projecting lantern, a casing consisting of a front wall having a light opening and side walls hinged to the front walls, a lens for said light opening, lamp supports carried by said front wall, reflectors for said lamps adjustably connected with the casing, a mirror to deflect rays of light from said lens, and means common to said mirror and said front wall to movably connect them above or below or at either side of said lens so that the mirror can be angularly adjusted either up and down or from side to side.

1,637,789. DEVICE FOR GROUND TRANSPORTATION OF AIRSHIPS. BENO SCHNITZER, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Filed Dec. 22, 1924. Serial No. 757,327, and in Germany Jan. 7, 1924. 16 Claims. (Cl. 244—1.)



1. A device for transporting gas-inflated airships while on the ground comprising a frame and pressure resisting means for detachably connecting said frame both to a car and to the framework of said airship.

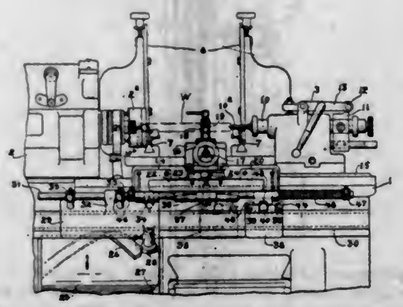
1,637,790. ART OF VULCANIZING RUBBER. JAN TEPPEMA, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 12, 1926. Serial No. 87,949. 13 Claims. (Cl. 18—53.)

1. A method of accelerating the vulcanization of caoutchouc that comprises vulcanizing the same in the presence of a halogen derivative of a mercapto-thiazole.

1,637,791. ART OF VULCANIZING RUBBER. JAN TEPPEMA, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Feb. 12, 1926, Serial No. 87,949. Divided and this application filed Nov. 3, 1926. Serial No. 146,068. 15 Claims. (Cl. 18—53.)

1. A method of accelerating the vulcanization of caoutchouc that comprises vulcanizing the same in the presence of a metallic salt of a halogen derivative of a mercaptobenzothiazole.

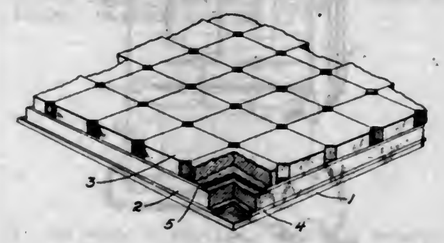
1,637,792. AUTOMATIC LATHE. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 17, 1924. Serial No. 686,859. 12 Claims. (Cl. 82—2.)



1. In a lathe, the combination of a bed having ways extending longitudinally thereatong, means on the bed for supporting and rotating a blank parallel with the ways, a tool carriage slidably mounted on the ways, a tool slide movable transversely on the carriage, means for holding the carriage against movement on the ways, power means, and means to longitudinally move said carriage including a rod movable longitudinally of the bed and relatively to the carriage and a coiled compression spring thereon through which the power means acts to automatically move the tool slide inwardly to operatively engage the work when the carriage is stationary, the said spring reacting to automatically and quickly move the tool slide outwardly away from the work at the completion of the cutting operation.

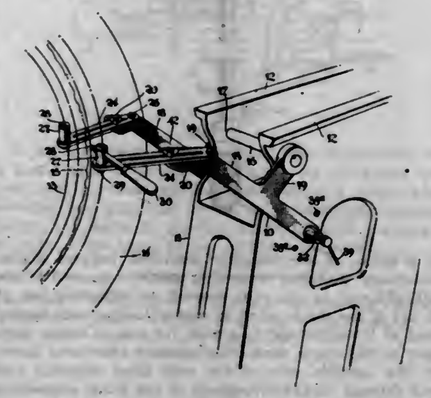
10. In a lathe, the combination of a bed having ways extending longitudinally thereatong, means on the bed for supporting and rotating a blank parallel with the ways, a tool carriage on the ways, a tool slide movable transversely on the carriage, a templet and cooperating means for moving the tool slide inwardly to operatively engage the work as the templet is moved in one direction relative to the carriage, a rod connected to the templet, means for moving the rod and templet a predetermined amount in the said one direction relative to the carriage, and means on the rod adapted to thereafter move the carriage with the templet.

1,637,793. METHOD OF FINISHING METAL WALLS. MARTIN C. VAN DER KAMP, San Jose, Calif. Filed May 21, 1925. Serial No. 31,858. 2 Claims. (Cl. 72—17.)



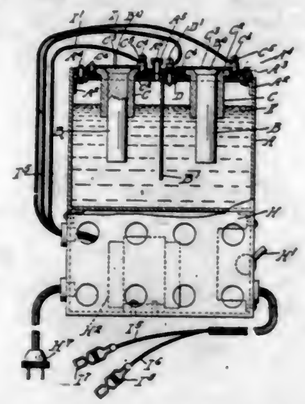
1. A method of finishing metal walls of ships, comprising forming a coating layer over the wall to be finished of an elastic binding agent, arranging blocks of magnesite material on said binding agent whereby to cement the blocks to the wall, and then forming a finish coating on the exterior surface of said magnesite blocks.

1,637,794. KNIFE BRACKET FOR TIRE MACHINES. DAYTON L. WILLIAMS, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 23, 1925. Serial No. 32,407. 5 Claims. (Cl. 154—9.)



1. A tire trimming mechanism including a bracket adapted to be pivoted to a stationary support comprising means for supporting a knife on the bracket, a pin mounted on the bracket and spaced from the pivotal point thereof adapted to engage the stationary support to hold the bracket in a predetermined position, and a yieldable member connected to and tending to actuate the pin toward the support.

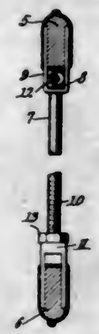
1,637,795. ELECTRODE FOR RECTIFIERS AND ELECTROLYTIC CONDENSERS. EDWARD F. ANDREWS, Chicago, Ill., assignor to Andrews-Hammond Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1926. Serial No. 134,651. 17 Claims. (Cl. 175—318.)



1. An electrode for an electrolytic apparatus, which consists of an alloy of magnesium, aluminum and cadmium.

13. In an electrolytic film forming apparatus an electrode which consists of an alloy of aluminum and magnesium having not less than 23 percent of magnesium.

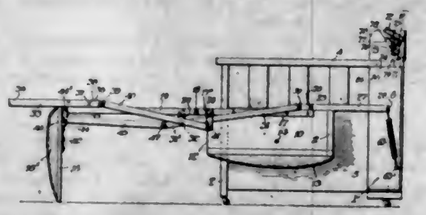
1,637,796. LOOM-HARNESS SUPPORT. ISAAC ANDREWS, Spartanburg, S. C. Filed June 16, 1925, Serial No. 37,512. Renewed Feb. 23, 1927. 1 Claim. (Cl. 139—91.)



In a device of the character described, harness shafts, substantially U-shaped connecting members secured to the shafts adjacent to the ends thereof, an adjusting rod at each end of the shafts, each of said adjusting rods having a head at its upper end to permit the rod to rotate with respect to the upper connecting member associated therewith, the opposite ends of the rods being threaded and passed through threaded openings in the lower connecting member associated therewith, and lock nuts for holding the connecting rods against movement.

1,637,797. CONVERTIBLE FURNITURE. JOHN A. ARTON, Chicago, Ill. Filed July 26, 1920, Serial No. 399,025. Renewed Nov. 11, 1926. 6 Claims. (Cl. 5—24.)

1. In convertible furniture having an overturnable seat; a bed section attached to the seat, a back section hinged to the seat section, a back hinged to the back section, a head section pivoted to the seat section, means actuated by the back section and attached to the head section to fold or unfold the latter, and means attached to



and actuated by the last named means to fold and unfold the back, simultaneously with the corresponding movements of the head and back sections.

1,637,798. COMBINED SHADE ROLLER AND HOLDING MEANS FOR WINDOWS. DAVID A. BATTS, Atlanta, Ga. Filed May 3, 1926. Serial No. 106,398. 1 Claim. (Cl. 156—27.)

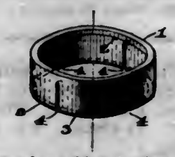


In combination with a window shade including a stationary shaft and a shade roller mounted thereon, a pair of guide units arranged vertically upon opposite sides of the window frame and within which the ends of said shaft are mounted for sliding movement, cooperating construction between the units and the roller whereby the shade in its entirety is moved in reverse direction when the roller is turned upon the shaft, means at the opposite ends of the units whereby the roller may be mounted for turning movement without the consequent movement of the same in reverse directions, said means at the opposite ends of the units being simultaneously operable and means at the opposite ends of the units for preventing the dropping of the shade when said other means are moved to position to permit the rotation of the roller without its movement in reverse direction with respect to the window.

1,637,799. CONSTRUCTION AND MOUNTING OF A VALVE-SEALING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. ROBERT W. A. BREWER, Philadelphia, Pa., assignor to Harold F. Pitcairn, Bryn Athyn, Pa. Filed Mar. 9, 1925. Serial No. 13,993. 3 Claims. (Cl. 123—75.)

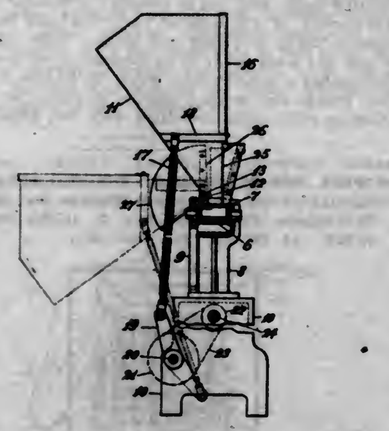
1. In an internal combustion engine, a cylinder, a combustion chamber, a cylinder head closure plug having an annular seat thereon, slide valve, an annulus between the closure plug and the walls of the combustion chamber in which said valve is positioned, and a short stationary

sleeve adapted to be carried on the annular seat of said closure plug and depending in said annulus with a surface juxtaposed to that of said sleeve valve, said depending



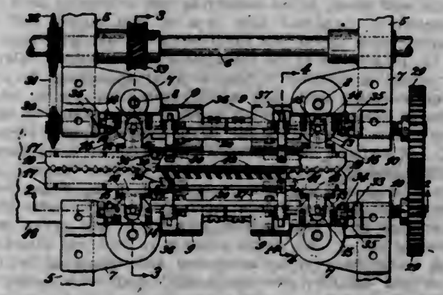
portion consisting of a skirt having limited flexibility, having a small clearance of the back thereof between the closure plug and said depending portion.

1,637,800. DEVICE FOR FEEDING SCRAP TOBACCO. WILHELM B. BRONANDER, Montclair, N. J., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Jan. 13, 1926. Serial No. 81,017. 8 Claims. (Cl. 131—39.)



1. A device for feeding scrap tobacco, comprising a source of supply, a conveyor receiving tobacco from said source, and mechanism for moving said source to cause it to periodically deliver tobacco in excess of a predetermined quantity to said conveyor and to remove the excess therefrom.

1,637,801. TOBACCO-STEMMING MECHANISM. WILHELM B. BRONANDER, Montclair, N. J., assignor to Standard Tobacco Stemmer Company, a Corporation of Virginia. Filed Apr. 7, 1926. Serial No. 100,362. 18 Claims. (Cl. 131—57.)



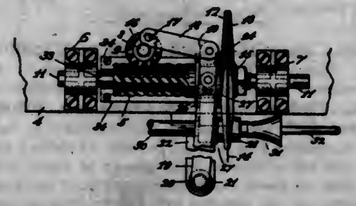
1. The combination with two coacting leaf-stripping members, of means whereby a plurality of stems are simultaneously drawn between said members, and means for producing in rapid succession movements of said members which are the resultants of travelling movements around axes substantially parallel with the stems and of reciprocating movements along the stems to cause said members to repeatedly engage each stem and strip a short section of leaf therefrom.

1,637,802. PACKAGE AND METHOD OF MAKING THE SAME. WILHELM B. BRONANDER, Montclair, and JAMES W. LEARY, Bloomfield, N. J., assignors to American Machine & Foundry Company, a Corporation of New Jersey. Filed May 19, 1926. Serial No. 110,141. 11 Claims. (Cl. 93—4.)



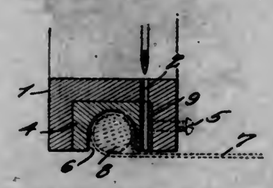
11. The series of steps in a method of forming a package, which consists in folding a rhombic wrapper to form a trough, then placing an article in the trough, then folding the obtuse corners of the wrapper over the top of the article, then folding down the protruding upstanding parts of the wrapper adjacent the ends of the article, then folding the acute corners up the ends and over the top of the article and said obtuse corners, and then applying an adhesive strip to the uppermost corner and the body of the wrapper.

1,637,803. CIGARETTE-MACHINE CUT-OFF. WILHELM B. BRONANDER, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Aug. 13, 1926. Serial No. 128,985. 5 Claims. (Cl. 131—37.)



1. In a cigarette machine cutoff, the combination with a knife, of a holder for said knife, an elongated spiral gear carrying and rotating said holder, a spiral pinion rotating said gear, and means for reciprocating said gear, holder and knife to produce acceleration of the angular velocity of the same during cutting action only.

1,637,804. CORDING DEVICE. LUCILE A. BROOKS, Seattle, Wash. Filed Aug. 5, 1926. Serial No. 127,459. 1 Claim. (Cl. 112—139.)



In a cording device for sewing machines, a presser foot formed in its under surface with a channel opening through the bottom and one end of the presser foot, said

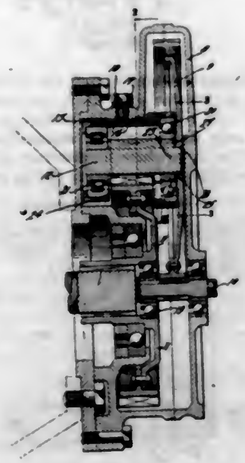
channel being of less height and width than the similar dimensions of the presser foot, whereby to leave the bottom of the presser foot in part and the full upper surface of the presser foot intact, and a cord block fitting in and filling such channel, and formed in its under surface with a cord receiving and guiding recess, and a needle opening in said block arranged at one side of the recess, and means for securing the block against endwise movement in the channel.

1,637,805. THERMOMETER. WILLIAM M. CHACE, Detroit, Mich. Filed Feb. 4, 1924. Serial No. 690,524. 1 Claim. (Cl. 73—119.)



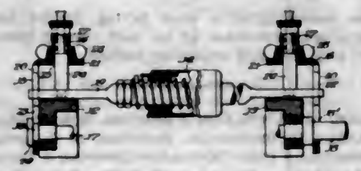
A thermometer for use with receptacles or chambers comprising the combination with the chamber wall having an opening therein, of a cup shaped casing of metal open on one side and provided thereon with a peripheral flange, the opposite side being closed, means for attaching the casing to the exterior of the chamber wall covering the said opening, the closed end of the said casing having a central aperture, a shaft rotatably mounted therein and projecting on opposite sides of the said end of the casing, a bimetallic element on the inner end of the said shaft adapted by expansion and contraction to turn the same, a wheel on the outer end of the shaft having graduations arranged about the periphery thereof, and a stationary pointer member secured to the casing and having an end portion lying contiguous to the periphery of the wheel.

1,637,806. SELF-ALIGNING GEAR MOUNTING. ROLAND CHILTON, Keyport, N. J., assignor to Healey-Aeromarine Bus Company, Inc., a Corporation of New York. Filed May 14, 1926. Serial No. 109,108. 11 Claims. (Cl. 74—7.)



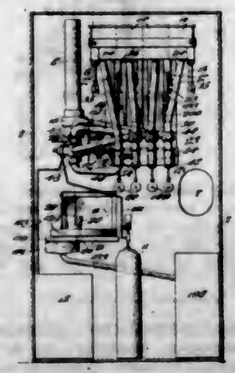
1. In apparatus of the class described, the combination of a housing, a lay shaft comprising a gear and pinion drivably connected for slight relative tilting action, bearing means for the gear disposed at the midwidth thereof, a bearing for the pinion, and a mounting sleeve for said bearing supported for slight tilting action in the housing.

1,637,807. INK-DISTRIBUTING ROLLER. ARTHUR J. DAANE, Chicago, Ill., assignor to The Acme Printing Appliance Co., Chicago, Ill. Filed Mar. 9, 1925. Serial No. 13,941. 14 Claims. (Cl. 101—338.)



1. In a device of the class described the combination of a roller having means for attaching said roller to a printing press, said means including a member arranged transversely of the axis of the roller and having an opening therein to permit said member to be passed over an end and transversely of an element of the press which element has a shoulder with which the transverse member may engage and prevent endwise movement of the distributing roller when associated with said press.

1,637,808. MIXED-BEVERAGE-VENDING APPARATUS. WILLIAM C. DE ARMOND and WILLIAM RAY H. WATT, Philadelphia, Pa. Filed July 2, 1925. Serial No. 40,997. 14 Claims. (Cl. 225—21.)



1. In a device of the character stated, the combination of a main shaft, a plurality of operating levers mounted upon said shaft, syrup measuring and delivering devices operatively connected with each of said levers, and a control valve operatively connected with said main shaft.

13. In a device of the character stated, a control valve, a water carbonating device, a water measuring device communicating with said water carbonating device, said control valve being adapted to effect the charging of the water with carbonating gas in the closed position thereof, and adapted to discharge the carbonated water from said measuring device in the open position thereof, a syrup measuring and delivering device, a cup dispensing device adapted to deliver a cup in position to receive the discharge from said control valve, and said syrup delivering device, and means common to said cup dispensing device, said syrup measuring and delivering device and said control valve, for actuating all with a single manual operation.

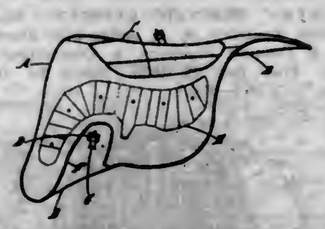
14. A beverage dispensing device comprising a cabinet having a front panel, an operating handle extending through said panel, a dispensing aperture in said front panel, a door over said aperture, a cup support carried by said door, a cup dispensing device within said cabinet adapted to deliver a cup into said cup support, and means to deliver a charge of liquid to the cup.

1,637,809. AUXILIARY SOLE FOR FOOTWEAR. JOHN L. G. DYKES, Chicago, Ill. Filed Apr. 23, 1926. Serial No. 104,083. 2 Claims. (Cl. 36—6.)



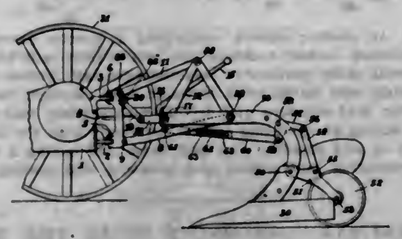
2. An auxiliary sole for footwear comprising a sole, an upstanding flange extending around the forward edge of said sole between points posterior of the widest portion thereof, and means for constructing the upper edge of said flange when in assembly with footwear, consisting of an endless, uniform, vulcanized, reinforced cord or bead running along the upper edge of said flange and extending rearwardly thereof and adapted to be twisted beneath the arch and entering the groove between the heel and upper of said footwear.

1,637,810. SADDLE PANEL. FITZPATRICK HASSIN, Rathfarnham, Ireland. Filed Feb. 17, 1927, Serial No. 168,884, and in Great Britain Nov. 28, 1925. 7 Claims. (Cl. 54—66.)



3. In a saddle panel, a leather cover, a lining of relatively soft material such as felt, stiffeners secured between said cover and said lining in the form of a reverted curve having a downwardly directed cusp, and means for engaging the panel with a girth strap of a saddle.

1,637,811. AGRICULTURAL IMPLEMENT. HARRY FERGUSON, Belfast, Ireland. Filed Feb. 21, 1924, Serial No. 694,195, and in Great Britain Dec. 11, 1923. 10 Claims. (Cl. 97—47.)

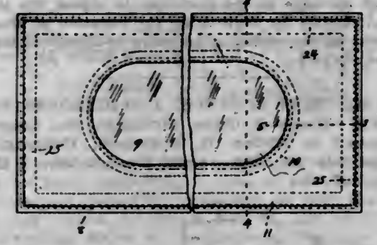


1. In combination, an agricultural implement, a draft connection between the implement and the tractor allowing freedom of relative bodily up and down movement therebetween, ground engaging means on the implement, and means cooperating with said draft connection and said ground engaging means whereby, on the occurrence of pitching movement of the tractor, the said movements are compensated for so as to maintain the implement at a regular working depth in the ground.

5. In combination, an agricultural implement, ground engaging means on the implement, a draft connection for hitching the implement to a tractor, and linkage interposed between said draft connection and said ground engaging means which, when the implement is connected to a tractor and the tractor is subjected to pitching movements, coacts with the draft connection and compensates for said movements so as to maintain the implement at a regular working depth in the ground.

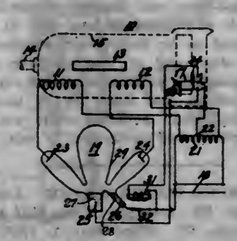
10. The combination with an agricultural implement, of an implement head adapted to be pivotally connected about a vertical axis to a tractor, link connections pivoted about horizontal axes to the head and to the implement, and depth regulating means comprising an arm pivoted on the implement, and rotatably supported by said arm and adapted to bear on the ground, a bell-crank lever pivoted on the implement frame, a link connecting said wheel supporting arm and said bell-crank lever, a cross head pivoted on the implement frame and having forwardly projecting arms and a depending arm, and a link pivotally connected for vertical movement to said implement head and to the forwardly projecting arms of the crosshead.

1,637,812. REMOVABLE CLOSURE FOR VEHICLES. IVAN P. FERGUSON, Detroit, Mich., assignor to Towson Body Co., Detroit, Mich., a Corporation of Michigan. Filed Dec. 8, 1924. Serial No. 754,682. 6 Claims. (Cl. 296—145.)



1. The combination with a vehicle body and a top therefor, of a flexible covering extending between the body and top having an opening therein and pockets at the top and side edges of the opening, a closure for the opening engaging the pockets, a transparent panel for said closure, and means for holding the closure in the pockets, including a headed element engaging the closure and body.

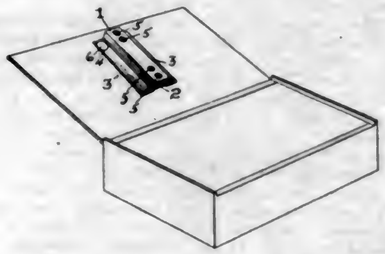
1,637,813. RECIPROCATING ELECTRIC MOTOR. HAROLD E. FOX, Pittsburgh, Pa., assignor to National Electric Manufacturing Company, a Corporation of Delaware. Filed Nov. 21, 1923. Serial No. 676,042. 10 Claims. (Cl. 172—240.)



1. The combination with a source of alternating current, of a reciprocating motor comprising a field-producing winding and a reciprocating member controlled

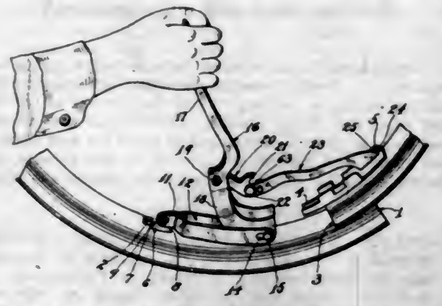
thereby, a rectifier in circuit with said source and said winding, means for rendering said rectifier active, and switching mechanism carried by said motor controlling said means to start said rectifier and controlling the circuit of said winding and rectifier.

1,637,814. CIGAR-BOX MOISTENER. DENNIS JOSEPH GALLAGHER, Brooklyn, N. Y. Filed Aug. 22, 1923. Serial No. 658,686. 1 Claim. (Cl. 131—30.)



In a tobacco moistener, a channel-shaped holder of absorbent material having a flange extending from the free edge of its side and adapted to fit against a wall of a tobacco container, said flange having therein an aperture for the passage of an attaching tack, said aperture being adjacent an end of the holder whereby when attached to a wall of a container adjacent an edge thereof, the holder can be swung about the tack as a pivot beyond the edge of the container to expose the interior of the channel for facilitating the insertion of absorbent material or the adding of moisture to absorbent material in the channel.

1,637,815. TIRE MOUNTING AND DISMOUNTING DEVICE. HENRY G. GILES, Pittsburgh, Pa., assignor of one-half to William H. McFarland, Pittsburgh, Pa. Filed Oct. 19, 1926. Serial No. 142,593. 4 Claims. (Cl. 157—1.)



1. In a device for mounting and dismounting a tire on or off a split-rim, an anchor adapted for securement to a hitch positioned on one end of said rim; a hitch-link adapted to be secured on another hitch positioned on the other end of said split-rim; a draw-bar hingedly connected to said anchor; an operating-lever hingedly mounted on said draw-bar; a hook-link pivotally mounted on said operating-lever, and means for hingedly connecting said hook-link to said hitch-link.

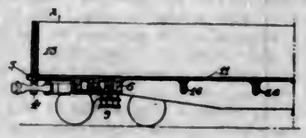
1,637,816. MARCEL WATER WAVER. ANNA J. GREENWICH, Chicago, Ill., assignor of one-half to Walter M. Roewer, Chicago, Ill. Filed May 1, 1926. Serial No. 105,940. 15 Claims. (Cl. 132—38.)

1. A Marcel water waver comprising a pin member, a yoke pivotally mounted on one end thereof, detents on said yoke and on said pin member to permit the yoke to be removably locked in an adjusted position with respect to said pin member, a plurality of links movably connected



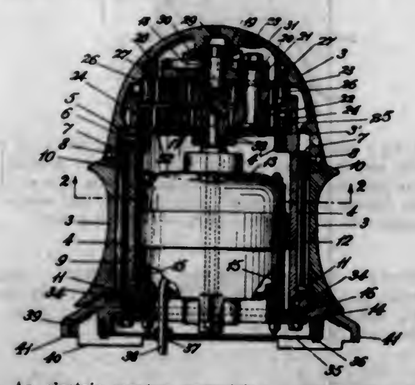
to the ends of said yoke, combs pivotally engaged on said links, and hook members on said combs adapted to be removably engaged on said pin.

1,637,817. CONCRETE RAILWAY CAR. ARTHUR C. GRIEWANK, Oakland, Calif. Filed Oct. 31, 1918. Serial No. 260,434. 26 Claims. (Cl. 105—405.)



25. A car comprising a selfsustaining reinforced concrete body portion mounted on trucks, a hollow central longitudinal girder under said body portion and draw bar connections to said central longitudinal girder and means for connecting the car body to the trucks.

1,637,818. ELECTRIC CAPSTAN. WILFORD J. HAWKINS, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Dec. 21, 1925. Serial No. 76,926. 4 Claims. (Cl. 254—150.)

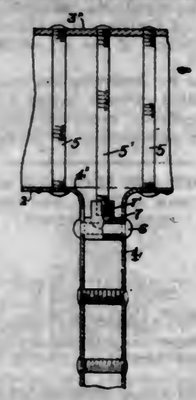


1. An electric capstan comprising a rotative barrel, a stationary hollow standard for and within said barrel, hunting-tooth planetary reduction gearing within and driving said barrel, and a water and oil tight motor within said standard and driving said gearing, said barrel having an operating section concentric with the lower part of said standard and said motor and having a head surmounting said section and enclosing said gearing.

1,637,819. LOCOMOTIVE-BOILER-FIRE BOX. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,656. 2 Claims. (Cl. 122—496.)

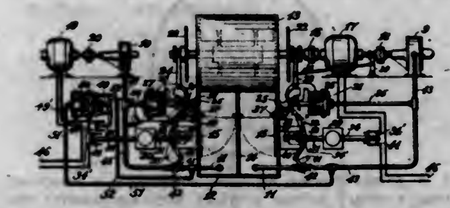
1. A locomotive firebox having a crown sheet and a spaced wrapper sheet in combination with a thermic siphon positioned in the firebox, said thermic siphon

being composed of spaced, vertically disposed and longitudinally arranged walls opening through the crown sheet, staybolts connecting said spaced siphon walls and a



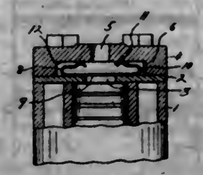
row of stays arranged in the median plane of the siphon and anchored at their top ends in the wrapper sheet and directly connected to the topmost staybolts connecting said spaced siphon walls.

1,637,820. AUTOMATIC HEATER. WILFORD J. HAWKINS, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed Nov. 1, 1926. Serial No. 145,493. 8 Claims. (Cl. 158—28.)



1. The combination with a furnace, of a blower, an air conduit leading from said blower to said furnace, a plurality of pumps and operative connections for forcing oil to said furnace, and means for automatically controlling the number of pumps in action in accordance with predetermined conditions, said means including operative connections, a plurality of sets of inlet and outlet valves associated with said blower, and a plurality of sets of gearing for independently actuating said sets of valves and for simultaneously actuating the valves of each set.

1,637,821. COMPRESSION VALVE. FRED J. HEIDEMAN, Detroit, Mich., assignor to T. C. Whitehead, Detroit, Mich. Filed Jan. 18, 1926. Serial No. 82,115. 16 Claims. (Cl. 230—34.)

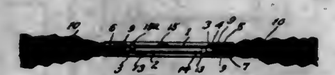


1. A valve having a substantially flat base portion, and return-bent arms at the ends thereof terminating in curved portions spaced longitudinally of said base.

1,637,822. THERMOCOUPLE. OTTO HERMANN, Chicago, Ill., assignor to Thermo Electric Battery Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 9, 1926. Serial No. 134,581. 7 Claims. (Cl. 136—5.)

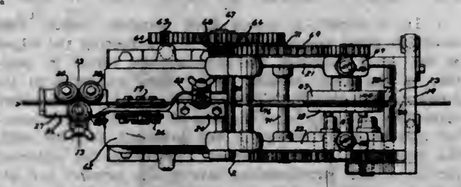
1. A thermo-couple in which the negative element is an alloy which includes nickel, cobalt and molybdenum in its make-up.

1,637,823. BRUSH. LAWRENCE C. HEROLD, Rocky River, Ohio. Filed June 14, 1926. Serial No. 115,745. 7 Claims. (Cl. 15—198.)



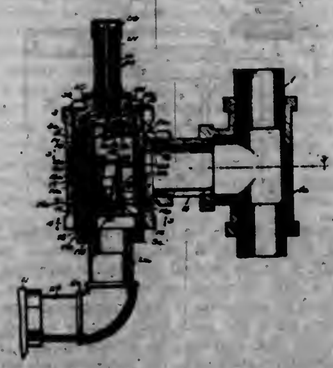
1. In a rotary brush, a pair of plates formed to provide a circumferential recess therebetween, means for retaining bristles in said recess and means including corrugations offset relatively to each other on said plates and disposed outwardly of said bristle retaining means for maintaining such retaining means in position.

1,637,824. WIRE-CUTTING MACHINE. JOSEPH F. HIDZICK, San Francisco, Calif. Filed Mar. 29, 1926. Serial No. 98,312. 16 Claims. (Cl. 140—140.)



1. In a wire cutting device of the character described, means for freely supporting a spool of wire, means engaging one end thereof for unwinding the wire from the spool, and means interposed between the spool and the unwinding device for straightening the wire, said straightening device comprising a plurality of units affecting the advancing wire in planes disposed at angles to one another.

1,637,825. FLUSH VALVE. RUDOLPH KLANN, Chicago, Ill. Filed June 6, 1925. Serial No. 35,450. 5 Claims. (Cl. 137—93.)



3. A flush valve comprising a chamber having a discharge opening at one end thereof and having a second discharge opening at the other end, valves for controlling

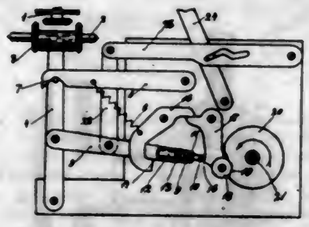
said discharge openings, ports communicating with said chamber, means connecting said ports with a supply of liquid under pressure, and a flexible band around said chamber and collapsible under fluid pressure for controlling the flow of liquid through said ports.

1,637,826. APPAREL GARMENT. WALDEMAR KOPS, New York, N. Y., assignor to Kops Bros. Inc., New York, N. Y., a Corporation of New York. Filed June 11, 1924. Serial No. 719,293. 2 Claims. (Cl. 2—43.)



1. In a corset, a closed back member, elastic side members, front members, means for connecting the edges of the front members for securing the corset in position on the body, tension straps each connected at its forward end adjacent the forward edge of a front member extending over the outer surface of the said front member and passing through a slit provided therefor with the inner end portion thereof underlying the adjacent portion of the corresponding elastic side member and attached at its inner end to the adjacent edge of the back member, and self reducing straps each connected to a front member and adapted to overlie the portion of the tension strap extending across the said front member and to cooperate therewith by the tension applied thereto in shaping and supporting the abdomen of the wearer.

1,637,827. COUPLING DEVICE FOR CALCULATING MACHINES. AUGUST KOTTMANN, Sommerda, Germany, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed Dec. 24, 1925, Serial No. 77,654, and in Germany Oct. 10, 1925. 7 Claims. (Cl. 235—1.)

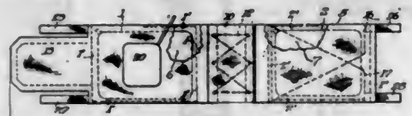


1. A coupling device for calculating machines having a reversing gear which is out of engagement when the main shaft is in its neutral position, comprising in combination a cam mounted on said shaft, levers adapted to be moved by said cam, a lever mechanism operated by said levers when the said shaft rotates out of its neutral position for moving the reversing gear into one of its operative positions, the direction of such movement being dependent upon the setting (for addition or subtraction) of the counting mechanism of the said calculating machine.

1,637,828. ELECTRICAL APPARATUS. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 19, 1921, Serial No. 493,662, and in France May 20, 1915. 2 Claims. (Cl. 172—281.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

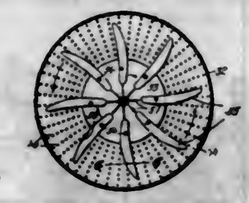
1. In apparatus for distorting the wave form of high-frequency alternating currents having a magnetic circuit and means for cyclically supersaturating it, a magnetic circuit comprising substantially all nickel.

1,637,829. BINDER FOR SECURING MEDICAL ELECTRODES. WILLIAM A. LURIE, New Orleans, La. Filed Nov. 7, 1925. Serial No. 67,603. 1 Claim. (Cl. 174—88.)



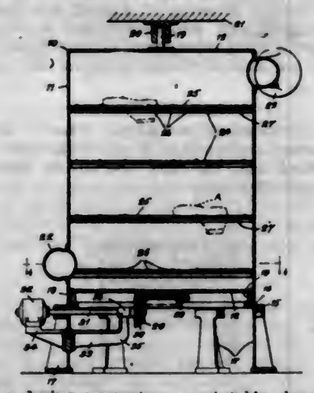
In a garment for use in securing the placement of an electrode in medical treatment, pneumatic means for applying pressure to the electrode including a compartment of the garment contiguous to the electrode which may be variably inflated at will depending upon what pressure it is desired to apply to the electrode.

1,637,830. POTATO-PEELING MACHINE. WOLDEMAR MAMMENDORFF, Charlottenburg, Germany. Filed Oct. 21, 1925, Serial No. 63,884, and in Germany Nov. 10, 1924. 7 Claims. (Cl. 146—49.)



1. A potato peeling machine, comprising a receptacle having a rotary bottom provided with an abrasive surface and a grater device, and means to rotate said bottom and grater device in opposite directions.

1,637,831. ROTARY DRIER. CHARLES MILLER, Long Island City, N. Y. Filed Mar. 7, 1925. Serial No. 13,763. 5 Claims. (Cl. 34—28.)



1. In a drying apparatus, a rotatable chamber having a substantially cylindrical side wall, means providing only at the lower end of the wall an intake having its

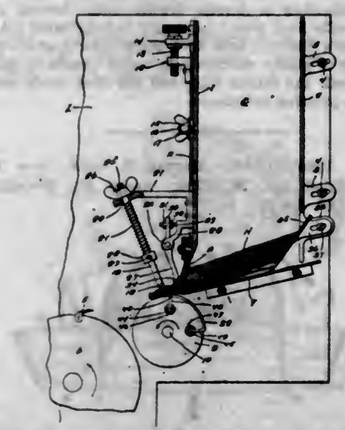
ingress passage extending in the direction of rotation of the chamber, and means providing only at the upper end of the wall an air outlet having its egress passage disposed away from the advancing intake whereby air will be caused to circulate in an upward circuitous course through the chamber.

1,637,832. FASTENING DEVICE FOR PAPERS. MICHAEL A. MILLER, Long Island City, N. Y. Filed Jan. 13, 1926. Serial No. 80,987. 8 Claims. (Cl. 24—67.)



2. A paper fastener, comprising a plate of pliable sheet metal foldable to provide two leaf members for receiving therebetween the paper to be secured, an intermediate portion disposed between said leaf members, ribs formed in said plate and running along opposite sides of said portion, said ribs and said intermediate portion forming a pocket for the edge of the papers when the plate is in the folded position, and a protruding prong struck from one of the leaf members for penetrating the paper, said prong so positioned for being bent upon the paper and covered by the second leaf member when also folded upon the paper toward the first named leaf member.

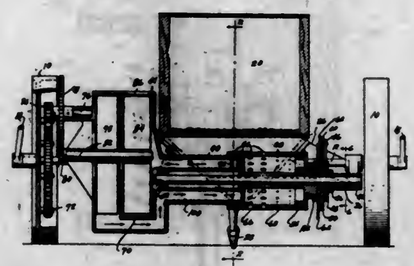
1,637,833. FEEDING MECHANISM. EMIL L. MUELLER, Rutherford, N. J., assignor to David A. McIntyre, Newark, N. J. Filed Jan. 7, 1927. Serial No. 159,607. 12 Claims. (Cl. 271—41.)



1. In a feeding mechanism, means to hold a stack of articles to be discharged, a feed roller for discharging said articles, a member arranged adjacent the feed roller having a curved surface adapted to be engaged by the articles preparatory to discharge by the feed roller, and means for altering the curvature of said curved surface.

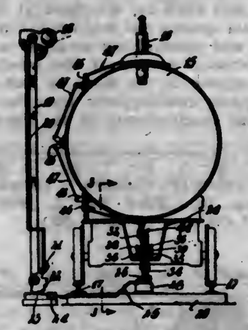
1,637,834. SEED PLANTER. MELFORT V. OLIVER, Detroit, Mich. Filed Oct. 2, 1925. Serial No. 59,988. 3 Claims. (Cl. 221—124.)

1. In a seed planter, a seed receptacle, a rotatably supported hollow cylindrical distributor having seed pockets on its periphery communicating with its interior and adapted to receive seeds from the receptacle, suction creating mechanism terminating in a tubular portion extending into said distributor and open to the seed pocket openings in the distributor, and air blast creating mechanism terminating within said distributor to direct an air blast upon the seed pockets to eject the



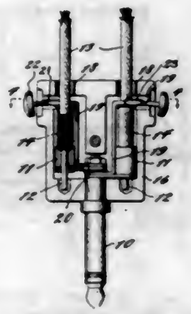
seeds therefrom, said distributor provided with a plurality of longitudinally spaced-apart seed pockets of different size and being movable lengthwise to bring pockets of different size into position to receive seed from said receptacle.

1,637,835. DANGER-SIGNAL ATTACHMENT FOR LOCOMOTIVES. OTTO ROESLER, Philadelphia, Pa. Filed Sept. 17, 1926. Serial No. 136,082. 5 Claims. (Cl. 246—200.)



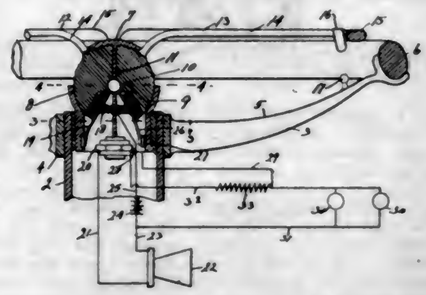
1. In a device of the class described, having a whistle on top of a locomotive proper, the combination of a bracket fastened to the bottom of said locomotive, said bracket having an aperture, a pair of tongues adjacent said aperture, a third tongue depending from said bracket, and a fourth tongue between said pair of tongues and said third tongue, a trip lever pivoted to said pair of tongues, means for resiliently holding said trip lever vertical, a link pivoted to said trip lever, said link being formed with an elongated aperture on one end, a bell-crank pivoted to said fourth tongue, a pin in one arm of said bell-crank engaging in said elongated slot, another pin in the other arm of said bell-crank, a second link having two elongated slots, said second pin engaging in one of said elongated slots, a bell-crank pivoted to said third tongue, said last mentioned link being connected with one arm of said bell-crank, a third link connected with said trip lever, said last mentioned link being formed with an elongated aperture, a pin engaged in said last mentioned aperture, a bell-crank pivotally connected to said fourth tongue, said last mentioned bell-crank supporting said last mentioned pin, and another pin in the last mentioned bell-crank, said last mentioned pin engaging the second elongated aperture of said link with the two elongated apertures, and means connected with the bell-crank pivoted to said third tongue for operating said whistle.

1,637,836. CORD CONNECTER. ABRAHAM RUBIN, New York, N. Y., assignor to Henry Hyman & Co., Inc., New York, N. Y., a Corporation of New York. Filed June 24, 1922. Serial No. 570,657. 3 Claims. (Cl. 173—361.)



3. In a device of the class described, a conductor cord having a sleeve terminal with its upper end extending beyond the periphery of the cord, a block having an opening arranged to permit the sleeve terminal to be entered into the block only by moving the terminal in a direction longitudinally of the cord, a contact member in the block arranged to engage the terminal when the terminal is entered in the block, and a locking member mounted on said block for movement at right angles to the axis of said opening and held against movement longitudinally of said opening, and arranged to be positioned above the extended portion of the terminal when the terminal is entered in the block, to lock said terminal positively against disengagement from the contact member by a pull longitudinally of the cord.

1,637,837. CIRCUIT CLOSER. GEORGE W. SHAW, Philadelphia, Pa. Filed Feb. 1, 1923. Serial No. 616,281. 5 Claims. (Cl. 200—59.)



1. A circuit closer including a casing mounted upon the column of a steering wheel assembly, oscillating members within said casing and an actuating member carried by each of the oscillating members, said actuating members including arcuate hand portions extending around two opposite portions of the steering wheel concentric therewith.

1,637,838. METHOD OF TREATING ORES. FRANCIS M. SIMONDS, New York, N. Y., assignor of one-half to A. Fillmore Hyde, New York, N. Y. Filed Jan. 27, 1925. Serial No. 5,159. 7 Claims. (Cl. 75—60.)

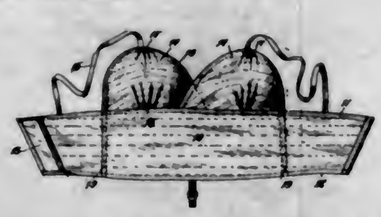
1. In the treatment of a sulphide-bearing ore, first heating the ground ore at a relatively low temperature in a slightly reducing or neutral atmosphere and then in a slightly oxidizing atmosphere to cause burning of a portion of the sulphur, whereby a further rise in temperature is caused by burning the sulphur, to complete the process of partial desulphurizing and softening, with the evolution of elemental sulphur.

1,637,839. INTERMENT MAT. JOSEPH M. STERN and EMIL M. ELDER, Cleveland, Ohio. Filed Jan. 26, 1925. Serial No. 4,954. 2 Claims. (Cl. 27—29.)



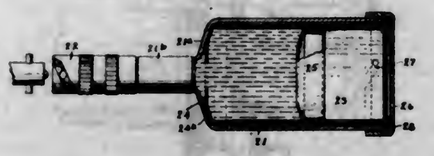
1. An interment mat for lining graves and covering earth, comprising a woven textile body having short pieces of raffia fiber sewed in closely intermingled relation upon one side thereof, said fiber being colored grass green and having a glossy surface and water shedding properties, and both the textile body and the fiber being treated with a fire-proofing substance.

1,637,840. BRASSIÈRE. HATTIE F. VOLK, New York, N. Y. Filed Jan. 26, 1924. Serial No. 688,635. 1 Claim. (Cl. 2—42.)



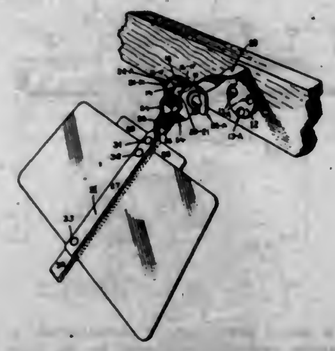
A garment of the class described including a body encircling portion formed substantially of inelastic material and of a width to extend from approximately the waist line to the lower portion of the breast and having a substantially horizontal upper edge, means for securing the same together along the center line of the back, a breast covering and supporting portion of flexible material secured to the upper edge of said body encircling portion and consisting of two separate and independent approximately semi-elliptical portions gathered along a narrow portion of their upper and lower edges, said semi-elliptical portions being overlapped at the central portion of the upper edge of the body encircling portion at the front thereof and forming an upper V-notch and a lower triangular portion of a plurality of thicknesses, an inelastic binding along the upper and side edges of said breast covering portion and straps secured to the upper edge of said breast covering portion at the opposite sides of said notch and also secured to the upper rear edge of said body encircling portion and adapted to extend over the shoulders.

1,637,841. LUBRICATING APPARATUS. SAMUEL K. WELLMAN, Cleveland Heights, and ALLEN A. GOULD, Cleveland, Ohio. Filed Feb. 19, 1925. Serial No. 10,344. 7 Claims. (Cl. 221—47.3.)



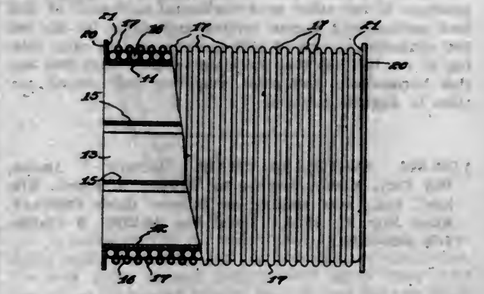
1. In a lubricant gun, the combination of a chambered body; a discharge nozzle for one end of the body; a cartridge-like container for lubricant removably mounted in the chambered body, said container having a lubricant discharge opening at its inner end adapted to be covered by a substantially liquid-tight closure when the container is out of the chambered body and comprising a tubular side wall and a piston-like outer end wall exposed on its outer side to atmospheric pressure and adapted to move within the tubular side wall; means associated with the nozzle for sucking lubricant from the container and forcing it out of the nozzle; and means for maintaining a substantially air-tight joint between the wall of the container and that of the chambered body to prevent passage of air between said walls to the said suction means.

1,637,842. AUTOMOBILE VISOR. HARRY E. WEST, Decatur, Ill. Filed Nov. 3, 1924. Serial No. 747,532. 3 Claims. (Cl. 296—97.)



1. An automobile visor of the character described comprising a substantially L-shaped bracket fixedly mounted on a windshield frame and having an arm extending rearwardly from said wind shield, a visor carrier hingedly mounted on the end of said arm; said carrier consisting of a pair of parallel bars terminating at their front ends in an integral yoke straddling the end of said bracket arm and at their rear ends in a handle for adjusting said carrier, a visor secured to said carrier, a friction washer interposed between each face of said bracket arm and the opposite wall of said yoke, a headed hinge bolt inserted through said yoke, washers and bracket arm, and a clamping nut screw threaded on one end of said bolt to clamp said carrier in angularly adjusted position with respect to said bracket arm.

1,637,843. HOLD OVER. THOMAS C. WHITEHEAD, Detroit, Mich. Filed June 14, 1926. Serial No. 116,029. 7 Claims. (Cl. 62—95.)

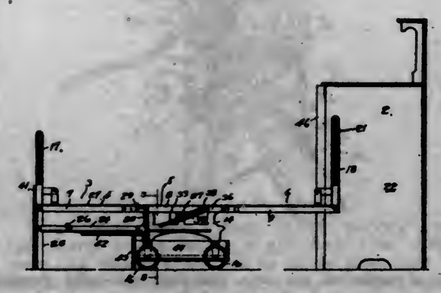


1. In a mechanical refrigerating apparatus, an expansion coil unit comprising a refrigerant receiving tube, tubing for a nonfreezing solution in thermal contact with said refrigerant receiving tube and serving as a holdover, and a body constituting a core around which said tubes are wound.

1,637,844. GUARD RAIL. GEORGE W. WHITEMAN, Philadelphia, Pa., assignor to Frog Switch and Manufacturing Company, Carlisle, Pa., a Corporation of Pennsylvania. Filed Mar. 9, 1925. Serial No. 14,299. 20 Claims. (Cl. 238—19.)

1. In a guard rail structure, the combination of the guard rail proper, a series of tie-engaging plates from which said guard rail is spaced, and a plurality of braces connecting each of said tie-plates to the guard rail.

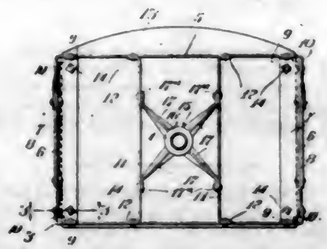
1,637,845. FOLDABLE BED. SOLOMON ABRAMS, Hayward, Calif. Filed June 22, 1925. Serial No. 38,691. 4 Claims. (Cl. 5—152.)



1. In a foldable bed arranged to be connected to a relatively fixed object, a horizontally disposed bed section adapted for movement in a horizontal plane to and from said object, a second section pivotally connected to said

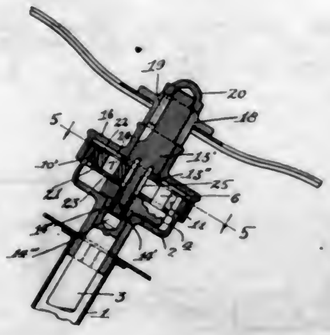
first section and arranged to lie horizontally aligned or perpendicularly disposed with relation to said section, means connecting said second section to said object and arranged to guide said second section from one of said positions to the other upon horizontal movement of said first section, and means carried exclusively by the bed and connected to one of said sections tending after folding of the bed has been initiated to move said first section horizontally and place said first and second sections in angular relation.

1,637,846. SWIVELING CHAIR. ARTHUR J. ADAMS, Bay City, Mich., assignor to William S. Ferris, Elkhart, Ind., now trading as Domore Chair Company. Filed July 27, 1925. Serial No. 46,226. 5 Claims. (Cl. 155—194.)



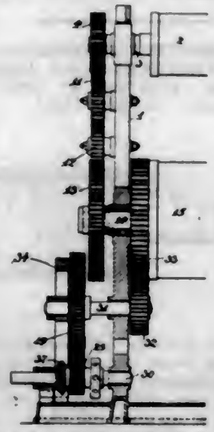
1. A chair embodying therein a seat frame comprising angle bar side members having a top horizontal flange and vertical side flanges, vertically edgewise arranged front and rear members, having their ends bent over to engage upon the vertical flanges of said side members, brace members between and parallel with said side members and secured at the ends to said front and rear members, and a seat member resting at its ends upon and secured to the horizontal flanges of said angle bar side members.

1,637,847. PLANETARY REDUCTION GEAR. ERLE K. BAKER, Detroit, Mich., assignor to Baker Reduction Gear Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 11, 1922. Serial No. 542,889. 5 Claims. (Cl. 74—79.)



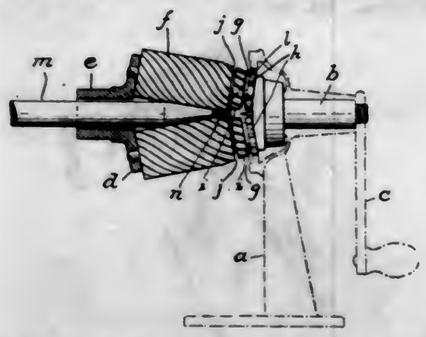
1. A device of the class described embodying therein a steering post, a plurality of lugs carried thereby, a pinion rotatively mounted on each lug with its axis spaced from the axis of its associated lug, a non-rotatable internal gear and a rotatable external gear arranged coaxially therewith, both of said gears being in mesh with all of said pinions.

1,637,848. DRIVING MECHANISM FOR PRINTING PRESSES. HOWARD M. BARBER, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a Corporation of Delaware. Filed Feb. 20, 1926. Serial No. 89,686. 6 Claims. (Cl. 101—179.)



1. In a web perfecting rotary printing press, a suitable frame, two printing units, a geared connection between the two units located outside of the frame, and a press driving mechanism comprising a primary drive located outside of the frame and a secondary drive located inside of the frame and including a driven gear fast on the impression cylinder of one of the said printing units.

1,637,849. PENCIL SHARPENER. GEORGE E. BARTOL, Jr., Ardmore, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a Corporation of New Jersey. Filed Oct. 21, 1926. Serial No. 143,086. 3 Claims. (Cl. 120—96.)

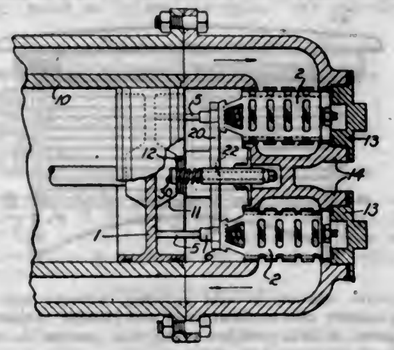


1. In a pencil sharpener, in combination, a base, a cutter carrier rotatably supported by the base, a pair of cutters rotatably supported by the carrier and having annular slots formed therein between their ends and a pencil stop projecting into said slots and extending between said cutters.

1,637,850. VARIABLE VALVE-OPERATING MEANS FOR FLUID METERS. CARLOS JAMES BASSLER, Portland, Oreg., assignor to American Liquid Meter Company, Portland, Oreg., a Corporation of Washington. Filed July 29, 1922. Serial No. 578,471. 17 Claims. (Cl. 73—30.)

1. In combination with a meter of the positively acting type including a movable meter member, a plurality of control valves laterally spaced at each end of the meter,

and a trip engageable by said meter member to control the time of actuation of said valves, of a spring interposed between each valve and the meter member, and

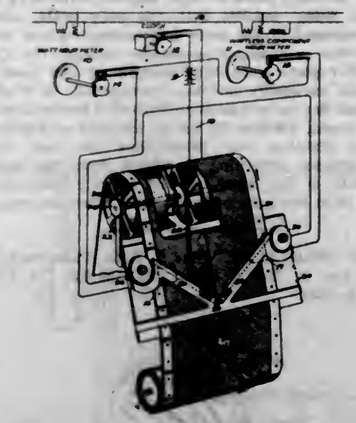


energizable by the meter member as it moves and prior to release of said trip to store up energy to cause movement of the valves.

1,637,851. CHLORO DERIVATIVES OF N-DIHYDRO-1,2,1',2'-ANTHRAQUINONE-AZINE AND PROCESS OF MAKING SAME. OAKLEY M. BISHOP, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 24, 1922. Serial No. 570,727. 10 Claims. (Cl. 260—31.)

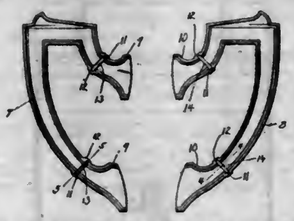
1. The process of making a chloro-derivative of N-dihydro-1,2,1'2'-anthraquinone-azine which comprises passing dry chlorine gas into a suspension of said azine in a liquid composing acetic acid.

1,637,852. RECORDING INSTRUMENT. WILSON C. BRANDENBURG, Weston, W. Va., assignor to General Electric Company, a Corporation of New York. Filed Sept. 8, 1924. Serial No. 736,404. 10 Claims. (Cl. 234—5.5.)



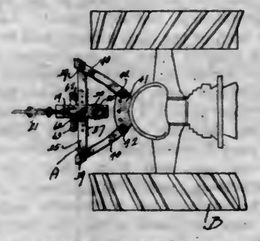
1. Apparatus for recording related vector quantities of an alternating current circuit comprising two meters connected in said circuit so as to measure different related vector quantities thereof, a record sheet, a pair of recording styli cooperating with said record sheet, means responsive to the measurements of said meters for respectively moving said styli proportional to the respective measurements and guiding means for said styli whereby vector records of said measurements are produced in their true vector relation.

1,637,853. HOLLOW HANDLE FOR METAL VESSELS. LESLIE A. BROWN, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Mar. 23, 1927. Serial No. 177,626. 2 Claims. (Cl. 16—119.)



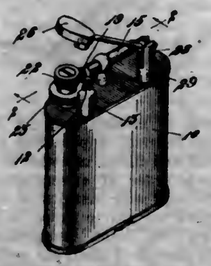
1. A hollow handle for metal vessels, consisting of two shells, each comprising grip-portions and socket-portions, the said shells formed within their inner faces with grooves, stops located in said grooves, and the two shells connected together.

1,637,854. DRAFT COUPLING. JOHN BURBACH, Bangor, Wis. Filed Mar. 18, 1926. Serial No. 95,711. 10 Claims. (Cl. 280—33.10.)



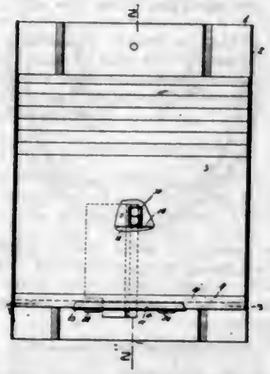
1. In draft gearing the combination of an elongated bar, implement connecting members pivotally connected on vertical axes at the outer ends of said bar, a coupling slidable on the bar between said implement connecting members, a draw bar device connected with the last mentioned member, and means to lock the said last mentioned member in any desired position along said bar.

1,637,855. CIGAR LIGHTER. WILLIAM J. BUTLER, Cranston, R. I., assignor to Henry Lederer & Bro. Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 23, 1927. Serial No. 170,223. 4 Claims. (Cl. 67—7.1.)



1. In a cigar lighter, a fuel reservoir carrying a wick tube having a wick therein, a pyrophoric tube, a spark wheel and thumb wheel unit in sleeve form, said two wheels being spaced apart and formed integral and of a single piece of metal, and a spring pressed pyrophoric material in the tube in engagement with the spark wheel whereby an igniting spark is carried from the pyrophoric material to the wick when the spark wheel is operated through a rapid rotation of the thumb wheel.

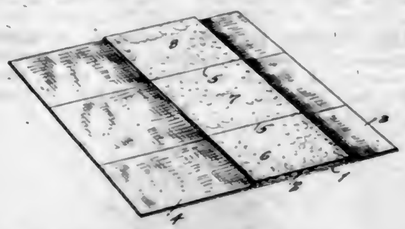
1,637,856. CARD INDEX. RALPH C. DAVIS, Brockton, Mass., assignor of one-half to John J. Moriarty, Boston, Mass. Filed Oct. 24, 1924. Serial No. 745,682. 10 Claims. (Cl. 129—16.)



1. In an index, the combination comprising a backing, a plurality of card holders parallelly arranged and superposed upon the backing with extension crosswise thereof, a support for the card holders fixed to the backing with extension longitudinally thereof beneath said holders, means whereby each of the card holders will be detachably secured to said support upon an application of the card holder laterally thereto and occupy positions contacting with one another, and cards carried by said holders.

10. A card index having a card and a holder for said card from which the card extends and within which a portion of the card is contained, said holder comprising a casing having an open end from which the card may be laterally withdrawn, and a spring tongue struck from the side of the casing and frictionally engaging that portion of the card contained within the casing.

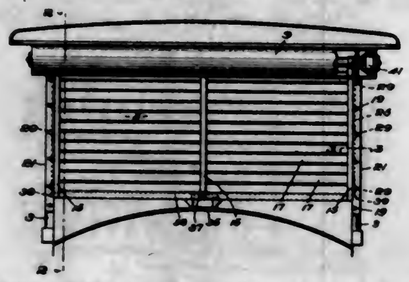
1,637,857. SURGICAL DRESSING AND METHOD OF MAKING IT. WILLIAM ROWLAND DORMAN, New Brunswick, N. J., assignor to Johnson & Johnson, New Brunswick, N. J., a Corporation of New Jersey. Filed Dec. 29, 1925. Serial No. 78,132. 3 Claims. (Cl. 128—296.)



1. The method of making surgical dressings of the filled type, which consists in providing a blank including covering material and filling material in superposed relation and in such order of arrangement as to provide relatively narrow and wide margins of covering material, folding the narrow margin to cause it to lap the filling material, folding the blank longitudinally along preselected lines to provide a multi-ply relationship defining an entry or pocket, and then folding the wide margin and tucking its free end in said pocket.

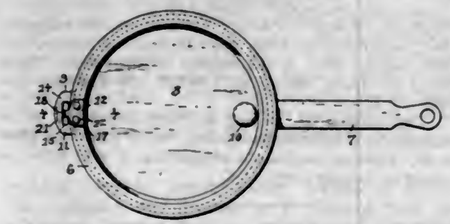
1,637,858. ANTITHEFT DEVICE. ISAAC M. GLICK, Boston, Mass. Filed Jan. 17, 1923. Serial No. 613,129. 4 Claims. (Cl. 177—314.)

4. An anti-theft device for vehicles having a windshield, comprising a curtain having a position in which it is operative to obstruct vision through said windshield, side guides for said curtain, an alarm, a plurality of switches in one of said side guides, a bolt for holding said curtain at the bottom of said side guides, and a resilient strip extending along one of said side guides in



operative relation to said switches, whereby said bolt will contact said resilient strip and thereby actuate one or more of said switches when said curtain is raised without withdrawal of said bolt.

1,637,859. CULINARY UTENSIL. MARIE AMELIA HILGERS, Pawtucket, R. I. Filed Mar. 24, 1927. Serial No. 178,026. 1 Claim. (Cl. 53—8.)



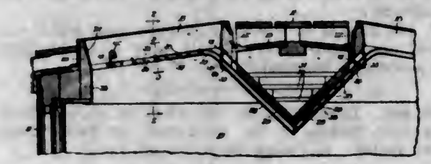
In a covered culinary utensil, means for movably attaching the cover to or detaching the cover from the body of the utensil, comprising a body member having a body plate secured to the body of the utensil, a slotted plate on the body plate at right angles to the body plate, said slot being parallel with the body plate, a cover member secured to the cover and having an arm with a bent portion extending downwardly through the slot in the slotted plate, said bent portion of the arm then being bent outwardly and terminating into a T shaped end, which lies under the slotted plate, whereby the cover may be swung sidewise on or off the body of the utensil in either direction and lifted from the body of the utensil without detaching the cover from the body of the utensil, or the cover may be entirely detached and removed from the body of the utensil, when necessary.

1,637,860. SNAP LINK. ORIS C. HILL, Pawtucket, R. I. Filed Apr. 5, 1927. Serial No. 181,041. 2 Claims. (Cl. 24—236.)



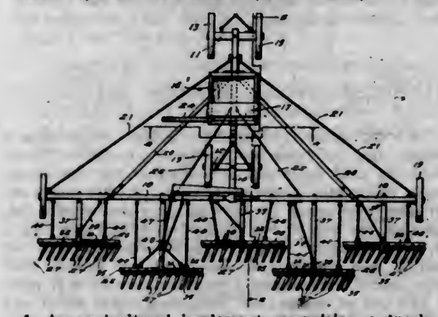
1. A fastening link comprising an open body having hooks at its ends and provided with a non-circular lug on the outer side of one hook, and a spring tongue provided at one end with a non-circular opening engaged with said lug and having its free end arranged to bear against the inner side of the other hook, said lug being integral with and formed from displaced material of the hook.

1,637,861. VENTILATING DOOR FOR THE HATCHWAYS OF REFRIGERATOR CARS. GEORGE A. HULL, Chicago, Ill., assignor to Equipment Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1924. Serial No. 755,203. 20 Claims. (Cl. 105—377.)



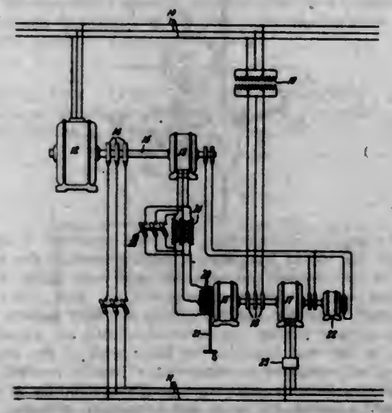
1. In combination, a railroad car comprising a roof having a pair of hatchways, and a ventilating door for one of said hatchways movably supported to close said hatchways or to lie wholly between the adjacent edges of said hatchways.

1,637,862. WEEDER. JAMES H. IMUS, Boardman, Oreg. Filed Aug. 7, 1924, Serial No. 730,652. Renewed Mar. 17, 1927. 3 Claims. (Cl. 97—144.)



1. An agricultural implement comprising a truck, lateral bars projecting in opposite directions from the truck and hingedly connected for relative movement vertically at their outer ends, scraper members connected to said lateral bars, and adjustable laterally and movable vertically, and means connected to said members whereby the said members may be adjusted vertically to clear them of accumulation or for other required purpose.

1,637,863. FREQUENCY CHANGER. GEORGE H. JUMP, Buffalo, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 18, 1925. Serial No. 16,551. 7 Claims. (Cl. 172—281.)

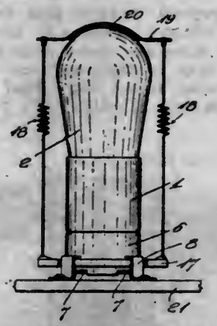


1. Variable frequency changer apparatus comprising a rotary transformer having relatively rotatable alternating current windings, a synchronous dynamo electric machine directly connected to the rotatable member of said rotary transformer, an alternating current source of excitation for said synchronous machine, and means for varying the phase angular relation of such excitation with respect to that existing in one of the windings of said transformer.

2. A pair of alternating current distribution systems subject to a relatively varying frequency relation, means for transferring power from one system to the other comprising a rotary frequency transformer having relatively rotatable alternating current windings respectively connected to said systems, a synchronous dynamo electric machine directly connected to the rotatable member of said frequency transformer, and means for exciting the alternating current winding of said synchronous machine with alternating current having a frequency proportional to the difference between the frequencies of the two systems.

3. A pair of independent alternating current distribution systems, means for transferring power between said systems comprising a rotary frequency transformer having relatively rotatable alternating current windings respectively connected to said systems, a synchronous dynamo electric machine for producing relative rotation between said windings, means for exciting the alternating current winding of said synchronous machine with alternating currents at a frequency proportional to the difference in the frequencies of said two systems, and means for adjusting the phase angular relation of such alternating current excitation with respect to that of one of said systems.

1,637,864. ELECTRON-TUBE APPARATUS. FREDERICK A. KOLSTER, Palo Alto, Calif., assignor to Federal Telegraph Company, San Francisco, Calif., a Corporation of California. Filed May 25, 1926. Serial No. 111,533. 1 Claim. (Cl. 250—27.5.)



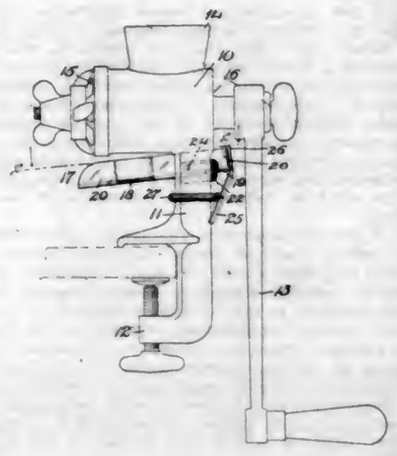
An electron tube apparatus comprising in combination with an electron tube having a bulb portion and a base portion, a socket for receiving said base portion, a plate member having an annular flange with a dome shaped central portion connected thereto, a pad disposed upon the under surface of said dome shaped central portion and a pair of resilient members disposed between diametrically opposite points on said annular flange and points on said socket for maintaining said plate in engagement with the bulb portion of said electron tube.

1,637,865. SASH CONSTRUCTION. JOHN F. LEVAN, Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1926. Serial No. 110,894. 7 Claims. (Cl. 189—76.)



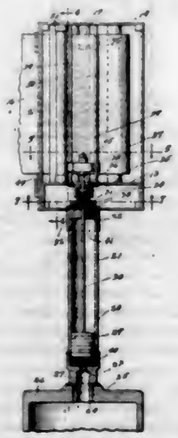
1. In a sheet metal sash, a hollow marginal member consisting of two channel strips which are arranged together in nested relation with the edges of the inner strip bent reversely about the edges of the outer strip.

1,637,866. DRIP PAN FOR FOOD CHOPPERS. CADDIS B. LIGHTFOOT, East Orange, N. J. Filed Nov. 10, 1926. Serial No. 147,407. 3 Claims. (Cl. 146—185.)



1. A drip pan for food choppers comprising a U-shaped trough to straddle the support of a chopper and means for securing the trough in place.

1,637,867. TESTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. THOMAS O. LILES, Tyler, Tex., assignor, by direct and mesne assignments, of three-eighths to Duke C. Matthews and four-eighths to Brodie H. Ashby, Dallas, Tex. Filed June 23, 1927. Serial No. 200,909. 13 Claims. (Cl. 73—51.)

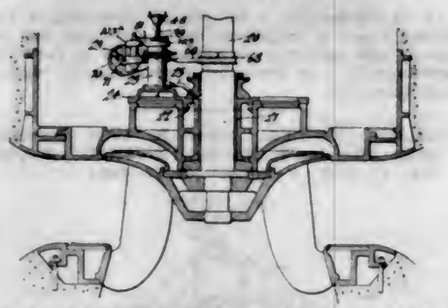


1. In a testing device for internal combustion engines, a compression cylinder for connection at one end to the cylinder of an internal combustion engine for admitting fluid pressure from the engine cylinder, means cooperating with the compression cylinder for compressing a fluid medium at the end thereof opposite the engine connection, and means controlled by the aforesaid means for indicating pressure variations in the engine cylinder.

1,637,868. PROCESS OF PRODUCING INDOPHENOL COMPOUNDS. WALTER A. MANSS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 14, 1923. Serial No. 680,581. 14 Claims. (Cl. 260—55.)

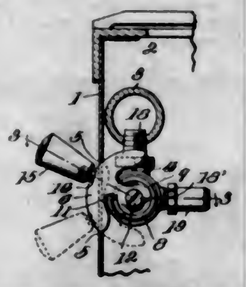
1. The process of producing an indophenol which comprises condensing ethyl-carbazole with a nitrosophenol compound at a temperature below —13° C.

1,637,869. LUBRICATING APPARATUS. CHARLES W. MANZEL, Buffalo, N. Y. Filed Mar. 26, 1925. Serial No. 18,440. 15 Claims. (Cl. 184—37.)



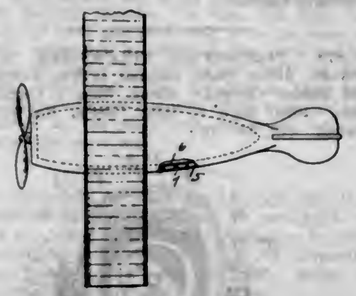
1. In a lubricator for hydraulic turbines, comprising a container for the lubricant having an outlet, a piston movable in said container, a feed-screw for the piston movable lengthwise of the container, a ratchet wheel coaxial with said screw for turning it, a rocker arm fulcrumed on the hub of the ratchet wheel and carrying a feed pawl engaging the same, power-driven means for actuating said rocker arm, and combined shifting and locking means on the rocker arm for moving said pawl into and out of engagement with the ratchet wheel and maintaining it in either of such positions, said last-named means being movable in a plane parallel to the plane of movement of said rocker arm.

1,637,870. CLOSED GAS STOVE AND VALVE THEREFOR. FREDERIC G. NICOLAUS, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 19, 1927. Serial No. 162,143. 4 Claims. (Cl. 126—39.)



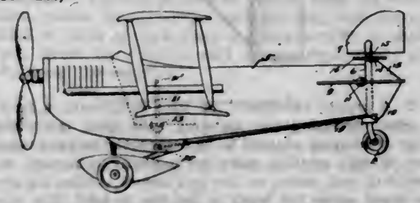
1. A gas stove comprising a closed structure, a manifold in the closed structure extending parallel the front wall of the closure and adjacent said wall, a gas valve housing within the closure connected with the said manifold, a burner located within the said closure, the valve housing having communication with the burner, a valve in the said housing, the front wall of the closure having an elongated opening and a handle located outside of the closure and having a portion extending through the said opening, its inner end connected with the said valve, the handle having an intermediate elongated curved portion extending through the said elongated opening, the parts operating for the purpose described.

1,637,871. WALL CONSTRUCTION FOR AEROPLANE FUSELAGES. ANTON NOSAN, Cleveland, Ohio. Filed July 26, 1926. Serial No. 124,951. 1 Claim. (Cl. 244—30.)



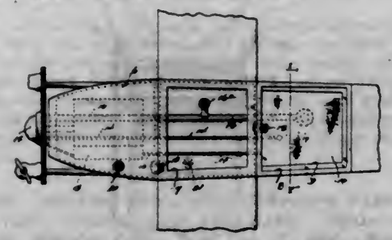
An aeroplane fuselage having double air tight walls with a vacuum space therebetween and ribs at intervals between the walls in said space, said ribs being fixed to the respective walls, and heat insulating packing between the ribs and the walls.

1,637,872. STEERING MECHANISM FOR AEROPLANES. ANTON NOSAN, Cleveland, Ohio. Filed July 26, 1926. Serial No. 124,952. 5 Claims. (Cl. 244—29.)



5. A steering mechanism for aeroplanes or the like, comprising a steering post, a vertical rudder mounted thereon, a pair of horizontal rudders mounted at opposite sides of the post respectively, upper brackets on the horizontal rudders, a plate loosely mounted on the brackets and adapted to swing therewith when the horizontal rudders are both tilted in the same direction and to turn when they are tilted in opposite directions, said plate having a slidable and non-rotating connection with the post, and a single controlling lever operatively connected to the horizontal rudders and movable in a plurality of directions to selectively tilt the horizontal rudders either in the same or different directions.

1,637,873. AIR-PURIFIER APPARATUS. ANTON NOSAN, Cleveland, Ohio. Filed Aug. 18, 1926. Serial No. 129,982. 3 Claims. (Cl. 244—30.)



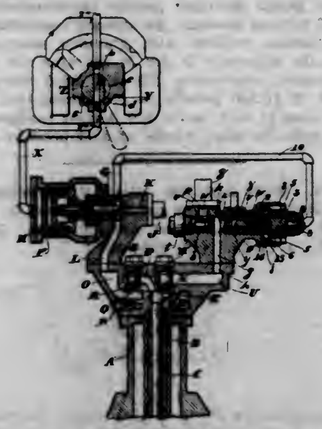
1. An aeroplane fuselage provided with an engine compartment, a control compartment, and an air purifier compartment, valves between said compartments, and means to conduct air thru the air purifier compartment and thru said valves into the other compartments.

1,637,874. SOCKET CASING. ADOLPH C. RECKER, Oakville, Conn., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation. Filed Dec. 14, 1925. Serial No. 75,867. 3 Claims. (Cl. 173—362.)



1. In a socket-casing, the combination with a cap having its skirt encircled with corrugations producing substantially-straight inset reaches and alternating substantially-circular outwardly-set sockets, of a shell having its edge formed with corrugations producing inset substantially-straight reaches and substantially semi-circular outwardly-set flutes, the junction of the said reaches and sockets in the cap forming angular locking-abutments which co-act with the side-walls of the outwardly-set flutes of the shell to resist the relative rotary movement of the shell and cap under normal conditions of use.

1,637,875. DISCHARGE UNLOADER. SNOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 4, 1927. Serial No. 172,718. 6 Claims. (Cl. 230—28.)

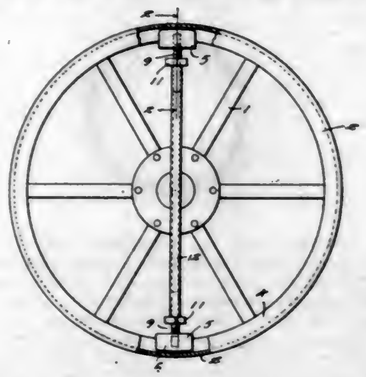


1. A discharge unloader for a compressor cylinder, comprising a casing adapted to be connected in the discharge line of the compressor, said casing having a passage for conveying pressure fluid from the cylinder to the discharge line, said casing having a vent affording communication between the passage and the atmosphere, and means in the casing controlling the vent, said means being held inoperative by intake pressure fluid during the loaded period of the compressor.

1,637,876. CLAMPING MEANS FOR EXTRA TREAD RIMS OF TRACTOR WHEELS. EDGAR R. SANDERS, Lakeville, Ind. Filed Feb. 8, 1927. Serial No. 166,744. 4 Claims. (Cl. 301—30.)

4. Means for clamping an extra rim to a traction wheel having a flange thereon, comprising a flange on the extra rim, U-shaped members embracing said flanges and

having openings therein, the side arms of said U-shaped members being converged, threaded members having tapered ends to engage between the flanges through said openings, a tube slidably engaging said threaded mem-

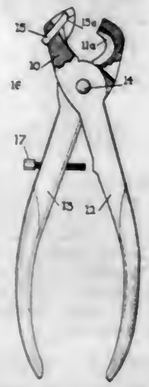


bers and spanning the wheel, and nuts on said threaded members and termially engaging the tube to force the tapered ends of said members between the flanges and spread them into engagement with the arms of the U-shaped members.

1,637,877. PROCESS FOR MANUFACTURING SOLID CORK BODIES AND THE LIKE. GEORGE SCHELLHAAS, Frankenthal-Pfalz, Germany. Filed May 11, 1926. Serial No. 108,417. 3 Claims. (Cl. 18—55.)

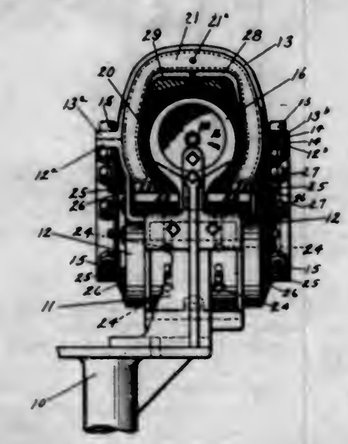
1. The herein described process for manufacturing articles of pressed granular substances, consisting in mixing a binding medium with granular substances, permitting the substance to dry in the open air and without pressure, compressing the said dried mass under a pressure of 16,500 pounds to the square inch and subjecting same to heat up to 130 degrees centigrade, without re-expansion after release of said pressure and heat.

1,637,878. HOG RINGER. CARL E. SCHWESER, David City, Nebr., assignor of one-half to Fred G. Schweser, David City, Nebr. Filed Apr. 3, 1926. Serial No. 99,557. 1 Claim. (Cl. 128—332.)



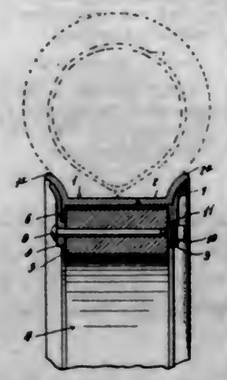
A variable clinching attachment for hog ringers having a wire curving and guiding jaw and an opposed wire loop socket jaw, comprising a plug carried by said socket jaw in the socket and inclined toward the outer end of the jaw for engagement through a wire loop in the socket and having a beveled outer corner facing the guiding jaw and adapted to receive the free end portion of a wire as the latter passes through said loop to deflect the free end portion of the wire inwardly of the jaws and beneath the inner side of the loop when said jaws are brought together.

1,637,879. TIRE-REPAIR VULCANIZER. CLYDE M. SEMLER, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 5, 1924. Serial No. 736,051. 6 Claims. (Cl. 18—18.)



1. A repair vulcanizer for tires comprising a mandrel, a shell enclosing the mandrel, said shell comprising a pair of sections adapted to be detachably secured together, one of said sections being permanently connected to the mandrel, and means on the last named section adapted to be urged against the beads of the tire to hold them against the mandrel, said means comprising pairs of arc-shaped presser strips, one of which is adapted to engage the inner edges of the beads and the other of which is adapted to engage the outer sides of the beads, and means for exerting pressure on said strips.

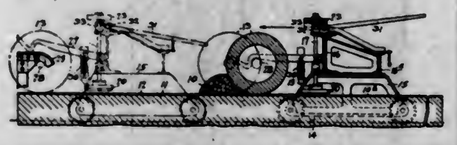
1,637,880. RIM FOR AUTOMOBILE WHEELS. CHARLES L. STEWART, Jacksonville, Ala. Filed Jan. 21, 1926. Serial No. 82,773. 1 Claim. (Cl. 152—21.)



In combination, a wheel, a rim embodying inner and outer sections resting on the felly of the wheel with their adjacent edges contacting with each other, said rim sections being provided at their remote edges with tire

retaining flanges and said inner rim section being provided with an annular shoulder contacting with the inner side of the felly, inner lugs contacting with the felly and with the shoulder and flange of the inner rim section, bolts passing through the lugs and felly, nuts mounted on the bolts and contacting with the outer side of the felly, outer lugs mounted on the bolts and contacting with the outer rim section and with the flange thereof, said outer lugs being provided in their inner sides with recesses for the reception of the nuts, and other nuts mounted on the bolts and contacting with the outer sides of the outer lugs.

1,637,881. PROCESS OF AND APPARATUS FOR MAKING SHEET GLASS. RICHARD O. STILWELL and CHARLES H. CHRISTIE, Butler, Pa., assignors to Standard Plate Glass Company, Butler, Pa., a Corporation of Pennsylvania. Filed Aug. 6, 1925. Serial No. 48,457. 13 Claims. (Cl. 49—3.)



2. Sheet glass forming apparatus comprising a forming roll adapted to roll out a mass of plastic glass, an ironing block, means for advancing said ironing block across the sheet of glass as said sheet is being formed by said roll, and means for rotating said block independently of its advancing movement.

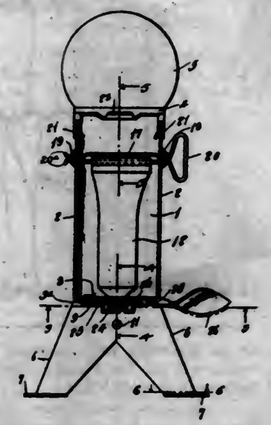
1,637,882. FRINGE AND METHOD OF MAKING. CHARLES B. STRETCH, Brockton, Mass. Filed July 21, 1926. Serial No. 123,902. 5 Claims. (Cl. 139—385.)



1. A woven fringe having a body portion comprising woven warp and weft threads and a fringe composed of warp threads extended beyond said body portion with the weft thread omitted from a majority of the fringe-forming warp threads but the weave of the weft thread continued through the remaining few of the fringe-forming warp threads for preventing the weft thread from raveling.

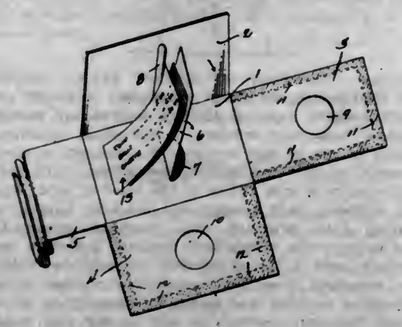
1,637,883. HOLDER FOR TUBES OF TOOTH PASTE, SHAVING CREAM, AND THE LIKE. EVALD E. STURK, Altadena, Calif. Filed Apr. 25, 1925. Serial No. 25,791. 1 Claim. (Cl. 221—60.)

A holder of the character set forth, comprising a receptacle fully open at the front and provided in its bottom with an opening and in its sides with slots extending through the upper ends thereof, a top pivoted to the sides and provided with channeled flanges embracing the upper ends of the sides so as to prevent relative lateral movement of those portions of the sides located forwardly and



rearwardly beyond the slots, a closure pivoted to the under side of the bottom, and a tube winding key slidably and rotatably mounted in the slots.

1,637,884. SAFETY ENVELOPE. ARTHUR W. WALKER, Conway, Mo., assignor of one-fourth to Charley N. Finn, Conway, Ark. Filed Aug. 24, 1926. Serial No. 131,201. 4 Claims. (Cl. 229—68.)

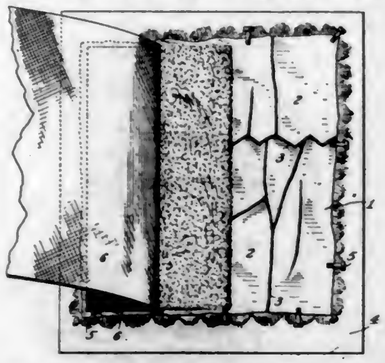


1. An envelope comprising a body, a plurality of flaps or extensions on the body, certain of which have gummed edges, a pocket member attached to the body, the flaps or extensions being folded one above the others upon the body and above the pocket member, one of the said flaps being rolled with the contents of the envelope, and means for sealing certain of the flaps or extensions to each other and to the rolled portion.

1,637,885. PROCESS OF PRODUCING FUR-BEARING SHEETS USED IN THE MANUFACTURE OF GARMENTS AND GARMENT TRIMMINGS. HYME WASSERMAN, Brooklyn, N. Y. Filed Apr. 2, 1927. Serial No. 180,604. 3 Claims. (Cl. 149—28.)

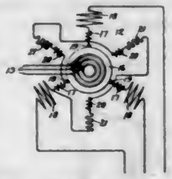
3. The process of producing a fur bearing sheet for use in the manufacture of garments or parts thereof, which consists in stretching, while in a wet condition, a sheet constructed of a plurality of pelts stitched together, maintaining said sheet in stretched condition until dry, applying to such sheet while dry a coating of

cement and pressing onto said cemented surface a substantially non-stretchable flexible reinforcing fabric covering all of the pelts and the stitching whereby each and



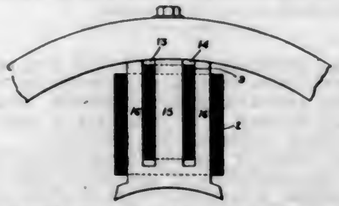
every part of the stretched pelts is firmly joined to the reinforcing fabric and the fur bearing sheet thereby reinforced and held against shrinking.

1,637,886. SINGLE-PHASE INDUCTION-MOTOR CONTROL SYSTEM. WILHELM WEILER, Niederschonhausen, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Oct. 16, 1926, Serial No. 142,087, and in Germany Feb. 24, 1926. 1 Claim. (Cl. 172—280.)



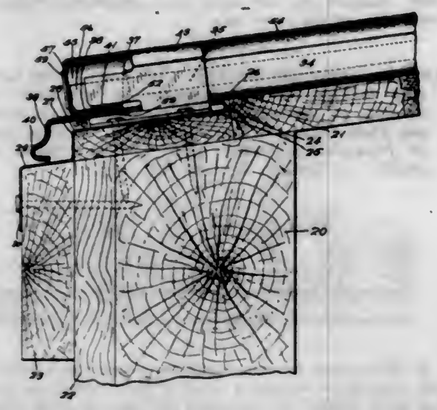
In combination, a source of supply, a single phase induction motor supplied thereby, said motor having a polyphase secondary winding, a polyphase commutator machine driven by said motor and connected in cascade therewith, means for supplying polyphase excitation at the frequency of said source to the rotor of said commutator machine, said commutator machine having commutating poles provided with windings connected in series between the commutator and the induction motor secondary, and a second winding on said commutating poles energized from the commutator voltage of said commutator machine, and means for suppressing the flow of high frequency currents in said second field winding while permitting the flow of current of slip frequency.

1,637,887. VOLTAGE REGULATION OF EXCITERS. ROBERT M. WILSON, Montclair, N. J., assignor to General Electric Company, a Corporation of New York. Filed Mar. 26, 1924. Serial No. 702,133. 3 Claims. (Cl. 17—223.)



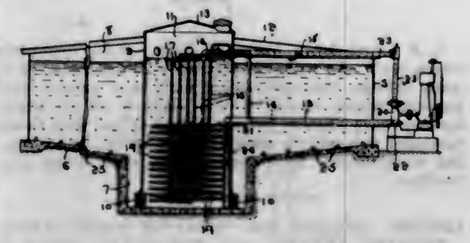
1. A dynamo electric machine comprising a yoke member, a pole core removably attached to said yoke member and slotted to form a central core section extending between said yoke member and the tip of said core, a main field winding surrounding said core, and a bucking field winding surrounding only said section.

1,637,888. CAR ROOF. WILLIAM WRIGHT, Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 14, 1924. Serial No. 743,540. 17 Claims. (Cl. 108—3.)



1. In a car roof, in combination: roof sheathing, a flashing secured on said sheathing; roof sheets having side flanges, said flanges extending from the ridge of the roof to a point short of the eaves edge thereof and the unflanged portions of each sheet being extended to form ears, the ears of adjacent sheets being lapped one over the other; seam caps enclosing the side flanges of adjacent roof sheets, and an anchor at each eaves end of the seam caps, said anchors being secured on the flashing and enclosed by the seam caps, said anchors comprising a curved top bent inwardly at each side to provide a holding down portion engaging the upper portion of the side flanges of adjacent roof sheets, said top being bent to provide two depending contacting substantially vertical sides having a slot at their lower portions towards the eaves end into which the lapped ears of adjacent roof sheets extend, said sides terminating in outwardly extending bearing portions upon which the lapped ears bear, said bearing portions terminating in depressed seats that are secured to the car.

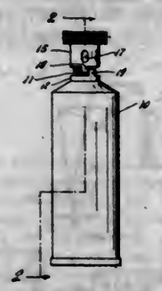
1,637,889. STORING AND HANDLING APPARATUS FOR ASPHALT. HORACE W. ASH, Winchester, Mass. Filed Aug. 6, 1925. Serial No. 48,562. 10 Claims. (Cl. 257—205.)



3. In combination, a tank, having in communication a heating chamber and a storage chamber, a heating coil in the heating chamber extending for a distance upwardly from the bottom of the tank, a suction pipe extending downwardly in the heating chamber, a vertically arranged hollow member having a lower closed end located

below the lower end of the said suction pipe and enclosing the suction pipe upwardly to substantially the level of the top of the said heating coil, and the said member being provided with openings allowing free entrance into the top of the said member of liquid material having a certain fluidity and lower restricted openings to prevent the entrance of material less fluid.

1,637,890. COLLAPSIBLE TUBE WITH AN UNLOSABLE CAP. GEORGE E. BAKER, Chicago, Ill. Filed July 5, 1924. Serial No. 724,274. 3 Claims. (Cl. 221—60.)



1. A collapsible tube having an annular shoulder and a threaded neck extending upwardly therefrom provided with a longitudinal passage and communicating with the interior of the tube, the neck also having a discharge opening extending transversely from said passage, a lug formed integral with the shoulder, a cap provided with a discharge opening in one side and registerable with the transverse opening, and a lug formed integral on the lower edge of the cap and being bendable downwardly and inwardly to engage the first lug and stop removal of the cap when the openings are in registration, the lug on the cap engaging the annular shoulder to limit the movement of the cap for closing said openings.

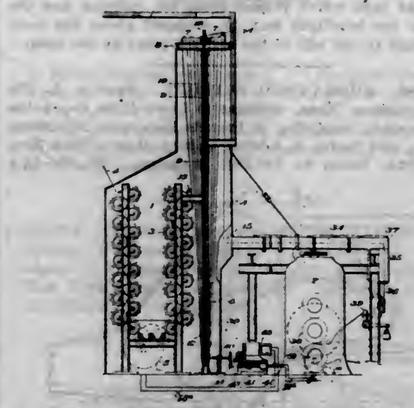
1,637,891. METHOD OF AND APPARATUS FOR PACKAGING MATERIAL. ADELMER M. BATES, deceased, Chicago, Ill., by Clara H. Bates, administratrix, Chicago, Ill., assignor to Bates Valve Bag Company, Chicago, Ill., a Corporation of West Virginia. Filed June 23, 1926. Serial No. 117,953. 6 Claims. (Cl. 226—53.)



1. The method which consists in forming a bag-tube having reinforcing cross-bands at spaced intervals, filling charges into the tube through slits in said cross-bands and sewing tube-closing seams through the cross-bands.

6. In apparatus for filling a bag-tube having reinforcing cross-bands at spaced intervals, a filling device and co-operating rollers adapted to engage the inside and the outside of the tube, respectively, the rollers being so located with respect to the filling device that they engage a cross-band when the bag-tube is in proper register with the filling device.

1,637,892. COMPENSATING MECHANISM. WINTHROP W. BENNER, Cuyahoga Falls, and EDMUND A. HOENER, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 23, 1923. Serial No. 620,712. 17 Claims. (Cl. 271—2.3.)



1. The combination with a calender and a drier for feeding a strip, of fabric thereto, of a compensating mechanism between the calender and the drier adapted for forming the plurality of vertical nested folds in the strip said drier and mechanism being enclosed in a common chamber.

1,637,893. HAIR WAVER OR CRIMPER. BERNHARD M. BESKOW, Clearwater, Fla. Filed July 30, 1926. Serial No. 125,963. 3 Claims. (Cl. 132—41.)



1. A hair waver or crimper comprising two sets of intermeshing spring members alternating with and normally springing towards each other, and adapted to be forced, by pressure, into hair-engaging position, said members being staggered or disposed in different planes so that the members of one set will be between the members of the other set.

1,637,894. BRAKE. JOHN T. CRANE, Los Angeles, Calif. Filed Nov. 5, 1925. Serial No. 67,036. 8 Claims. (Cl. 188—259.)



3. A brake comprising a supporting member, a friction element composed of a plurality of metallic laminations, and a metallic braid enclosing said laminations.

1,637,895. GLARE SHIELD FOR HEADLIGHTS. MICHAEL PATRICK CULLINAN, Laredo, Tex. Filed Mar. 27, 1926. Serial No. 97,938. 1 Claim. (Cl. 240—48.4.)

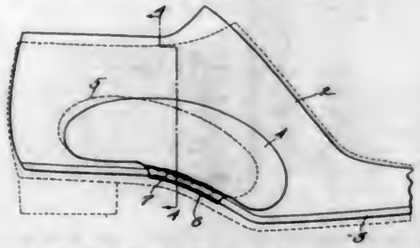
A shield for headlights comprising a pair of sectors, one of said sectors being formed to fit the reflector of the headlight with the opposite edges arranged in obtuse angular relation, the other sector being formed to fit against the lens of the headlight with the opposite edges

arranged in acute angular relation, said sectors being mounted in said headlight with the radial centers positioned in obtuse angular relation whereby the objection-



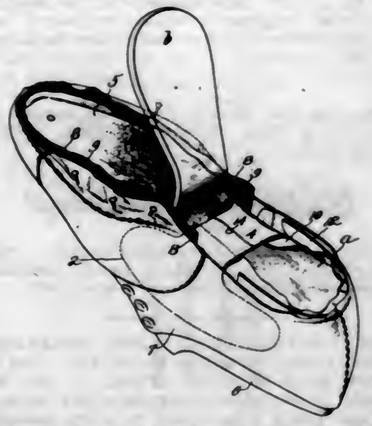
able light rays which project from the reflector and the lamp in the headlight may be excluded above the horizontal and to the left of the vertical plane of the lamp.

1,637,896. SHOE-UPPER SUPPORT. SEXTUS A. EDDINS, Quincy, Mass., assignor to Cordo-Hyde Co., a Copartnership consisting of Francis Hannigan, Braintree, Mass., and Sextus A. Eddins, Quincy, Mass. Filed Mar. 24, 1924. Serial No. 701,284. 2 Claims. (Cl. 36—71.)



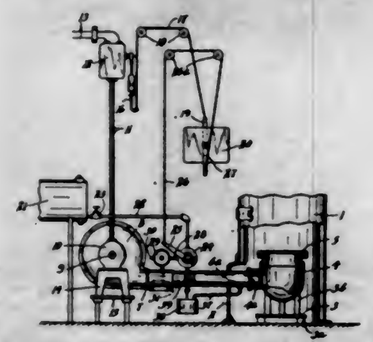
1. A support for the upper of a shoe, comprising two wings of thin, stiff, resilient, sheet material, said wings being shaped to fit between the lining and upper of a shoe in the region between the heel and forepart at opposite sides of the shoe and serving to hold the upper in its original shape, and a bridge connecting the lower edges of said wings and integral with them, said bridge being shouldered at its opposite sides to accommodate the corresponding edges of the insole of the shoe.

1,637,897. SHOE AND PROCESS OF MAKING THE SAME. SEXTUS A. EDDINS, Quincy, Mass., assignor to Cordo-Hyde Co., a Copartnership consisting of Francis Hannigan, Braintree, Mass., and Sextus A. Eddins, Quincy, Mass. Filed Mar. 24, 1924. Serial No. 701,285. 9 Claims. (Cl. 36—71.)



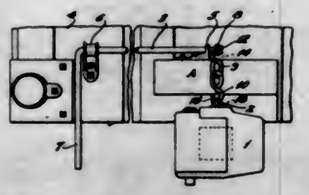
1. A shoe including an insole, an upper secured to said insole, a lining for said upper, and a support for said upper comprising two wings of thin, stiff, resilient sheet material fitting between the lining and upper of the shoe and supporting the upper in the region between the heel and forepart at opposite sides of the shoe, said support including a bridge connecting the lower edges of said wings with the bridge lying under the portion of the insole on which the foot bears in the shank portion of the shoe.

1,637,898. AUTOMATIC OIL BURNER. FRANK J. EVANS and HERMAN C. HANSEN, Minneapolis, Minn., assignors, by mesne assignments, to Louden Machinery Company, Fairfield, Iowa, a Corporation of Iowa. Filed June 23, 1924, Serial No. 721,687. Renewed May 12, 1926. 8 Claims. (Cl. 158—28.)



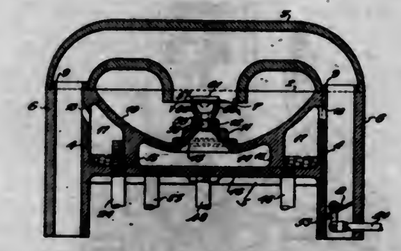
1. An oil burner comprising a burner bowl, a conduit communicating therewith, a feed pipe extending longitudinally of said conduit to a point closely adjacent said bowl, then extending transversely of said conduit, then longitudinally of said conduit away from said bowl and then being reversely bent to project toward said bowl and provided with a small discharge orifice alined with and directed toward said transversely extending portion, said pipe forming both a fuel supply and a pilot burner.

1,637,899. CAR-UNCOUPLING MECHANISM. HARRY F. FINNEY, Chicago, Ill., and FRANCIS A. JACOBS, Warren, Ohio, assignors, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 4, 1922. Serial No. 598,998. 8 Claims. (Cl. 213—170.)



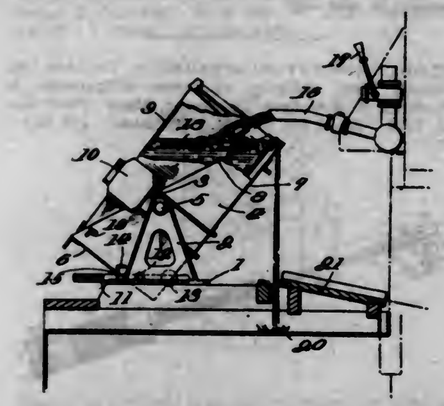
1. A link connection for uncoupling lever constructions, for uniting the lifting mechanism with the knuckle lock, comprising upper and lower links interengaged with each other with a looseness which permits relative movement of the links both towards each other, said links being of bent rod of like size and engageable with and disengageable from each other by a twisting movement of a link, the upper and lower ends of said links respectively having laterally extending stop elements for engagement with the lifting lever and the knuckle lock, and whereby they are maintained in said engagement, and after assembly of the parts the said links being held by said laterally extending elements from twisting movement and from disengagement from each other by the engagement therewith of the lifting lever and the knuckle lock.

1,637,900. LIQUID-FUEL BURNER. RAYMOND L. FOSTER, Apponaug, R. I. Filed Apr. 14, 1924. Serial No. 706,830. 12 Claims. (Cl. 158—66.)



3. A liquid-fuel burner comprising in a unitary structure, a fire-bowl having a burner-nozzle at its center, a fuel-reservoir arranged beneath the bowl in communication with the nozzle, air-ducts leading upwardly at the sides of the bowl, an air-manifold connected with said ducts and provided with a downwardly directed opening arranged above the burner-nozzle, and a steam-generating chamber arranged beneath the bowl and communicating with the air-ducts to provide for the passage of steam thereinto to humidify the air passing to the flame.

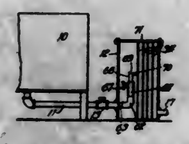
1,637,901. ICE-CAN DUMP. NORMAN H. GAY, Los Angeles, Calif. Filed Jan. 14, 1926. Serial No. 81,355. 4 Claims. (Cl. 226—22.)



1. An ice can support including in combination, a support, brackets mounted on said support, an ice can dump mounted on said brackets so as to swing from a vertical to an inclined position, and cooperating devices carried by said ice can dump and said support for holding said ice can dump and the can in a predetermined inclined position whereby when the can is filled to overflowing, it will, when turned to upright position, contain a predetermined quantity of water.

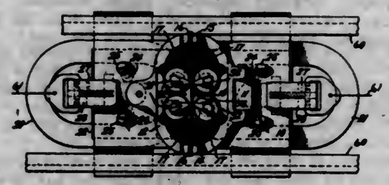
4. An ice can support including in combination, a pivoted ice can dump, a lug carried by said ice can dump, a pivoted latch adapted to engage said lug on the ice can dump for holding said ice can dump in a predetermined inclined position, whereby when said ice can is filled to overflowing it will, when returned to upright position, contain a predetermined quantity of water, means for automatically swinging said latch into engagement with the lug for stopping and holding the ice can dump when a predetermined inclined position is reached, said latch being manually released from engagement with said lug.

1,637,902. LIQUID-LEVEL-CONTROLLING MEANS FOR DRY-CLEANING SYSTEMS. RALPH HOLLAND, Laramie, Wyo. Filed June 30, 1926. Serial No. 119,677. 11 Claims. (Cl. 8—8.)



1. In dry cleaning apparatus of the character described, a washing machine, means for feeding a cleaning fluid to said machine, and adjustable means controlling the discharge of said fluid from said machine for maintaining a substantially constant predetermined level of cleaning fluid in said machine.

1,637,903. PRODUCTION OF PHONOGRAPHIC RECORDS. CHARLES A. HOXIE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 28, 1921. Serial No. 525,362. 11 Claims. (Cl. 179—100.1.)



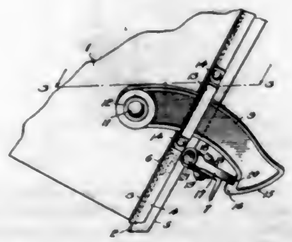
1. A phonographic record cutter, comprising a vibratory strip secured in a fixed position at its ends, a cutting point carried by said strip intermediate its ends and having its point of application in substantially the plane of said strip.

1,637,904. PITMAN BOXING. HARRY L. HUNT, Bigelow, Mo. Filed Aug. 10, 1926. Serial No. 128,486. 1 Claim. (Cl. 287—93.)



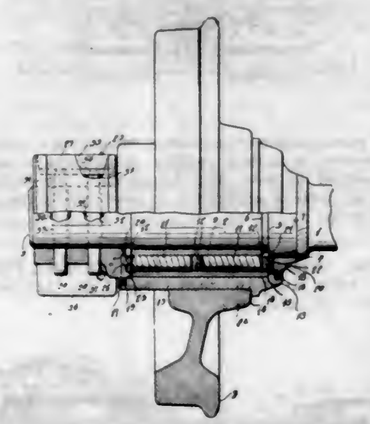
The combination with a yoke-shaped frame of a pitman box, of a yoke having its arms apertured and disposed between the arms of the frame, a pitman rod having a threaded end engaged through the bight of said yoke, bearing blocks in the frame, a block in the frame bearing against one of said bearing blocks, the end of the pitman rod bearing against said block, adjustable clamping means on the pitman engaged with the bight of the yoke, and removable pivot members in the openings of the yoke and in the arms of the frame, said pivot members being headed and retained in position by one of said clamping means.

1,637,905. DOOR MECHANISM FOR RAILWAY CARS. BYRAS W. KADEL, Baltimore, Md. Filed Jan. 23, 1925. Serial No. 4,193. 11 Claims. (Cl. 105—308.)



1. A car body having a door adapted to be supported in different positions of closure, a latch pivotally mounted on the car body adapted to engage a relatively immovable portion of the door to maintain the latter in partly closed position, and means carried by the door movable into and out of engagement with the latch to support the door in fully closed and partly closed position respectively.

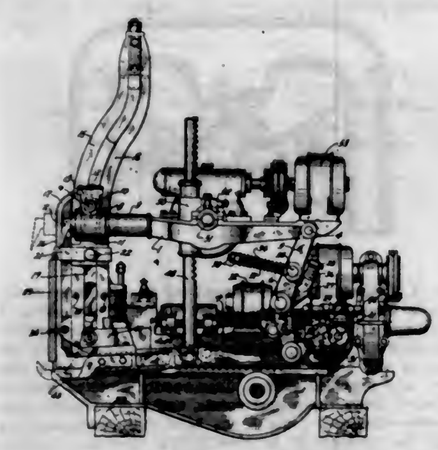
1,637,906. ROLLER-BEARING FREE WHEEL. WILLIAM C. KLEIN, Allentown, Pa. Filed Sept. 16, 1926. Serial No. 135,855. 12 Claims. (Cl. 295—44.)



2. In combination, the pedestal of a car truck, an axle, a wheel, a bearing interposed between the wheel and axle, and a housing for the bearing having a part thereof fixed to the axle and slidably mounted in the pedestal to prevent the rotation of the axle.

1,637,907. SAWMILL DOG. ROSS E. LANGILL and WILLIAM B. GRUETER, Menominee, Mich., assignors to The Prescott Company, Menominee, Mich., a Corporation of Michigan. Filed Jan. 25, 1926. Serial No. 83,438. 8 Claims. (Cl. 143—125.)

1. In a sawmill dog, a knee having a vertical face, a shoe, a hanger, a bolt connecting said shoe and hanger for pivotal movement with respect to each other and arranged with its head engaging said knee to guide said shoe and hanger for movement parallel to the knee face, a log-holding arm supported for pivotal movement in a



vertical plane and arranged with its log-engaging end extending loosely through said hanger and beyond the knee face, and means operable to effect said pivotal movement of said arm.

1,637,908. LUBRICATING APPARATUS. CHARLES LEA, Boston, Mass., assignor, by mesne assignments, to Frederick C. Blanchard, Dorchester, Mass. Filed Jan. 31, 1923. Serial No. 616,064. 11 Claims. (Cl. 221—47.)



1. In a lubricating apparatus, the combination of a receiver and a filler comprising a lubricant reservoir and adapted to be applied to and to fill said receiver, one of said parts presenting a surface which is a zone of a sphere and the other presenting an annular surface cooperating therewith, and means to lock said parts together and to maintain a joint permitting relative turning movement about the center of said sphere, said parts presenting a separable coupling affording a conduit for the lubricant in its passage from said reservoir to said receiver.

1,637,909. BOLT-TYPE EMERGENCY GOVERNOR. FRANK C. LINN, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 20, 1924. Serial No. 744,700. 1 Claim. (Cl. 264—17.)

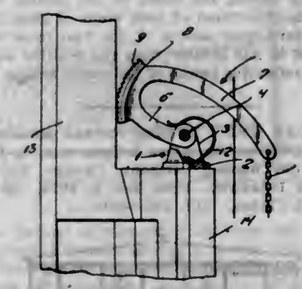
In an emergency governor, the combination of a rotating striking member, and a trip finger having a striking

surface adapted to be engaged by the rotating member, said striking surface being concave and having a curvature such that the initial movement of the trip finger is



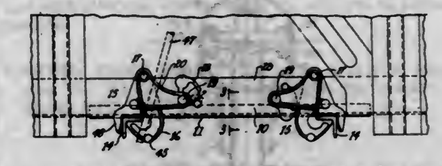
comparatively small and successive equal angular movements of the striking member produce gradually increasing outward movements of the trip finger.

1,637,910. WINDOW FASTENER. WILLIAM E. MORRISON, Granite City, Ill., assignor of one-half to Israel R. Hurwitz. Filed Sept. 9, 1925. Serial No. 55,297. 1 Claim. (Cl. 292—225.)



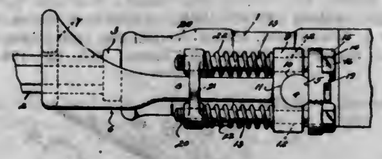
The herein described sash fastener comprising a bracket, a vertically swingable U-shaped retainer having an arcuate toothed bight portion adapted for use in opposed relation to a window sash and also having at the lower end of said arcuate portion a short lower arm pivoted at its end remote from the arcuate portion to the said bracket, and further having a long arm extending in the same vertical plane as the lower arm from the upper end of the arcuate portion and overhanging and spaced from the lower arm and the bracket and extending beyond the pivoted end of the lower arm and the bracket, a string or cable connected to and directly pendent from the end of the long arm, and a bowed spring attached to the bracket below the pivot connection of the lower arm of the retainer and extending upwardly from the point of connection and outwardly beyond the pivot connection of the lower arm and having a free end portion overhanging the pivot connection and the adjacent portion of the lower arm of the retainer and exerting a downward pressure on said lower arm; said free end portion of the spring resting in the space between the lower and upper arm, whereby it is protected by the upper arm.

1,637,911. RAILWAY-DOOR LATCH. JOHN O. NEIKIRK, Lombard, Ill., assignor to Wine Railway Appliance Co., Toledo, Ohio, a Corporation. Filed Apr. 4, 1923. Serial No. 629,794. 13 Claims. (Cl. 105—308.)



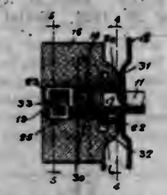
1. In a railway car a hook for holding a door in its closed position, a cam for locking said hook in its holding position, and stops fixed to said cam for limiting the movement of said cam in its locking and its unlocking movement.

1,637,912. DRILL-STEEL RETAINER. GUSTAVE M. NELL and WILLIAM G. KALE, Cleveland, Ohio, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio. Filed June 18, 1923. Serial No. 646,032. 5 Claims. (Cl. 121—32.)



1. In combination with the front head of a rock drill having a collared drill steel operatively mounted therein, lugs upon opposite sides of the front head, a drill steel retainer comprising a yoke having a drill steel engaging loop, the side arms of the yoke bearing against the front sides of the lugs, paired bolts slidable in the side arms and having heads, lock bars pivotally connected to one bolt of each pair and bearing against the rear sides of the lugs, means for holding the side arms and lock bars in yielding engagement with the lugs, and means carried by the lock bars for engaging the bolt heads, as and for the purpose set forth.

1,637,913. SWITCH HANDLE. ARVID H. NERO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 31, 1921. Serial No. 457,438. 8 Claims. (Cl. 200—172.)

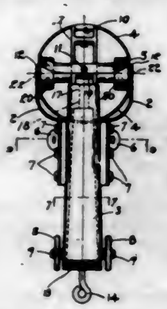


1. A switch handle comprising a chambered body, a ferrule rotatable in said chambered body, and a ratchet dog pivotally mounted on said ferrule and having a one-way operating engagement directly with said body.

1,637,914. ROTARY SEWER CLEANER. TOIVO PELTOLA, Marquette, Mich. Filed Aug. 7, 1922. Serial No. 580,084. 3 Claims. (Cl. 15—104.12.)

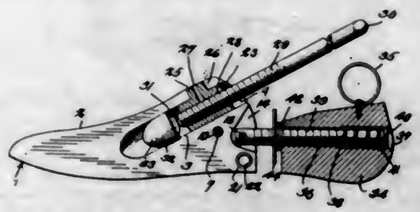
1. In a machine for cleaning the inner surface of a pipe or conduit, a fluid supply pipe a wheel or rotor attached thereto and mounted for rotation about an axis substantially perpendicular to that of the conduit, said

fluid supply pipe being arranged to extend longitudinally of the conduit with a nozzle for discharging fluid from said pipe against the periphery of the wheel for driving



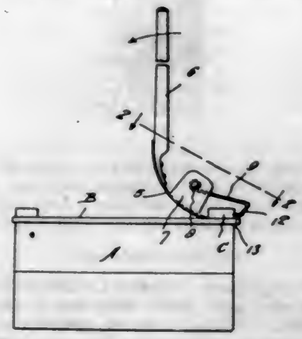
it, said wheel being formed with laterally extending hubs and one or more scraper blades arched over the wheel with both ends of each blade secured to said hubs.

1,637,915. SHOE STRETCHER. ANDREW J. QUIST and BERT A. MELLANDER, Mount Jewett, Pa. Filed Dec. 10, 1925. Serial No. 74,563. 2 Claims. (Cl. 12—128.3.)



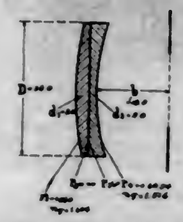
1. In a device of the class described, a toe comprising laterally separable sections, means for connecting the said sections for lateral movement, means for expanding the said sections, a screw pivotally mounted on the toe, a heel slidable for adjustment on the screw, a nut threaded on the screw and cooperating with the inner end of the heel, and a compression spring on the screw, within the heel, one end of the spring being engaged with the screw, and the other end of the spring being engaged with the heel.

1,637,916. BOX OPENER. JOHN H. RICHARDS, Yakima, Wash. Filed June 29, 1926. Serial No. 119,352. 2 Claims. (Cl. 145—21.)



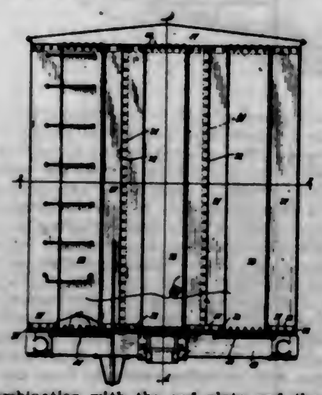
1. In an opener for cleated boxes, an elongated plate member of substantially the same width as the lid of the box to be removed, said plate being curved transversely throughout its entire length, for facilitating the rocking of the same upon the box lid, a handle extending upwardly from the rear edge portion of said plate for rocking the same, the forward edge of said plate being sharpened and adapted to be disposed against the inner side edge of the aforementioned cleat, a flat plate-like member pivotally secured at its inner longitudinal edge to the intermediate portion of the concaved face of said rockable plate, the outer longitudinal edge portion of said pivoted plate being disposed beyond the forward edge of the rockable plate and bent downwardly and thence inwardly to provide a cleat engaging lip, the free edge of said lip being serrated and engaging the outer side edge of the cleat.

1,637,917. LENS ATTACHMENT FOR PHOTOGRAPHIC OBJECTIVES. ROBERT RICHTER, Berlin-Friedenau, Germany, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed May 6, 1924, Serial No. 711,307, and in Germany May 12, 1923. 4 Claims. (Cl. 88—57.)



1. A dispersive achromatic two lens attachment for photographic objectives having its outer surfaces curved in the same direction, the radius of curvature of the concave outer surface being materially larger than the diameter of the system the lenses of the system being so shaped and manufactured of such kinds of glass that the sum of the refractive powers of the two inner surfaces of the system is not greater than the positive numerical valve of the refractive power of the whole system.

1,637,918. CAR END. THOMAS NATHAN RUSSELL, Chicago, Ill., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 9, 1924. Serial No. 685,259. 6 Claims. (Cl. 105—410.)



1. In combination with the end plate and the floor of the car of a plurality of metal end panels extending from the floor to the end plate, said panels having a web portion and transversely extending side portions, said side portions terminating in laterally extending flanges, the extremities of the flanges of adjacent panels being lapped and rigidly secured together; the flanges of the panels

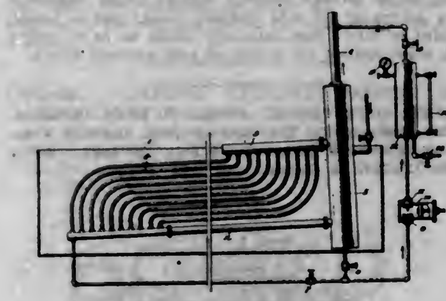
at each side of the car being flanged and secured at the corners of the car; angle pieces rigidly securing the upper and lower edges of said panels to the end plate and floor respectively.

1,637,919. TRACK BRACE AND GAUGE. VICTOR O. SAMPSON, Woodland, Wash. Filed Nov. 5, 1926. Serial No. 146,500. 2 Claims. (Cl. 246—450.)



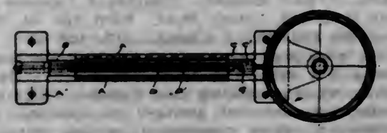
1. A combined gauge, brace and connecting rod for switch points, comprising threaded members having plates on their outer ends which are received in the inner fishing spaces of switch rails, and are bolted to the webs thereof, a turn buckle screwed on each of the said threaded members, removable means locking the turn buckles on the members, flat members having rounded and threaded ends also engaged by the turn buckles, means for adjustably locking the turn buckles on said members and a throw bar underlying and connecting said last mentioned members.

1,637,920. METHOD OF REMOVING OIL FROM EVAPORATING SYSTEMS. THOMAS SHIPLEY, York, Pa., assignor to Shipley Patent Corporation, York, Pa., a Corporation of Delaware. Filed Jan. 26, 1926. Serial No. 83,936. 5 Claims. (Cl. 62—115.)



2. The method of recovering oils from the evaporators of refrigerating systems having a suction line, which consists in drawing oil from the evaporator with such liquid refrigerant as incidentally accompanies it, confining such oil and refrigerant at a point remote from the evaporator at approximately evaporator pressure, causing such refrigerant to boil off from the oil to the suction line, and finally discharging the oil.

1,637,921. APPARATUS FOR MEASURING LINEAR DIMENSIONS. JAMES SIMPSON, Bellshill, and JOHN GLEN, Coatbridge, Scotland. Filed Dec. 30, 1926, Serial No. 158,028, and in Great Britain Oct. 31, 1925. 3 Claims. (Cl. 33—147.)



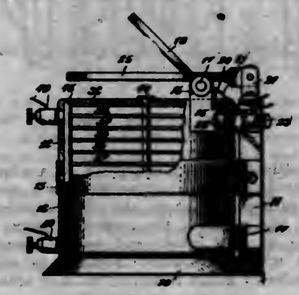
1. Measuring apparatus of the class described comprising a graduated bar having a longitudinal slot and provided with a jaw fixed relatively to said bar, a jaw movably mounted on said bar, a slidable member extending through said slot and also through bores with which said jaws are provided, a graduated evolute cam mounted for rotation and bearing against one end of said member, a spring active to keep said end of said member in contact with said cam, and means to fix said cam in adjusted position.

1,637,922. GAME BOARD. FRANK A. SULLIVAN, Bethlehem, Pa. Filed Sept. 8, 1926. Serial No. 134,253. 8 Claims. (Cl. 273—136.)



2. A game board comprising a body having a series of pockets and also having a playing face overlying the pockets, the playing face having an opening therein over each pocket, a closure element for each pocket, yieldable means for closing each closure element, the playing face having shoulders around each pocket, and playing pieces having portions interlockable with the shoulders and receivable in said pockets.

1,637,923. RADIO TUNING DEVICE. HERBERT F. VENZKE, Boyertown, Pa. Filed Nov. 17, 1925. Serial No. 69,713. 7 Claims. (Cl. 175—359.)

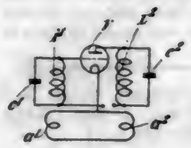


7. In a radio tuning device, a plurality of super-posed windings which are each in flat, spiral form, each winding formed of insulating material, coated with a conductive layer, a connecting bar of insulating material connected to the inner ends of each winding and a connecting bar of insulating material connected to the outer ends of the windings, the connecting bars being coated with conductive material between the ends of alternate pairs of windings to provide a continuous path of current through the series of windings.

1,637,924. THERMIONIC VALVE CIRCUITS. PETER WILLIAM WILLANS, Pattishall, Towcester, England. Filed Oct. 27, 1926, Serial No. 144,553, and in Great Britain July 2, 1925. 1 Claim. (Cl. 179—171.)

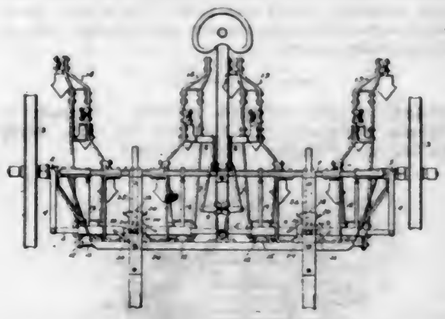
A thermionic valve system comprising a valve having grid, filament and plate electrodes, an input circuit disposed between said grid and filament electrodes, an output circuit included between said plate and filament electrodes, independent inductances for tuning each of said circuits, an auxiliary circuit including separate inductance elements in series, one of said elements being coupled to one of said aforementioned inductances and the other of said elements being coupled to the other of said aforementioned independent inductances, and a con-

nection from said auxiliary circuit to said filament electrode, said inductances being related for neutralizing for a considerable range of wave length the electro-



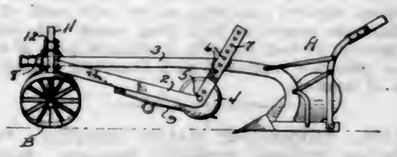
motive force induced in either of said input or output circuits by mutual inductive relationship of said independent inductances.

1,637,925. CULTIVATOR. HERMAN E. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Feb. 19, 1924. Serial No. 693,891. 5 Claims. (Cl. 97—156.)



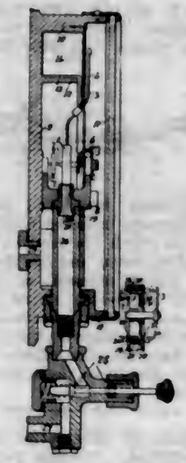
1. In a cultivator, the combination of a plurality of pairs of cultivator gangs, independent lever means connected with each pair of gangs and operable independently to adjust the gangs of the respective pairs laterally with relation to each other, and means whereby each lever means may be adjusted laterally to adjust the spacing of pairs of gangs relatively to each other.

1,637,926. STALK-CUTTING ATTACHMENT FOR PLOWS. JOSÉ LORENZO AMARGOS, San Manuel, Cuba. Filed July 30, 1926. Serial No. 126,076. 1 Claim. (Cl. 97—209.)



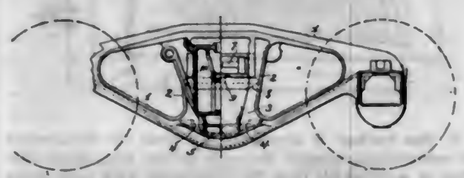
An attachment for a plow comprising a pair of L-shaped members adapted to have their front ends connected with the front end of the beam of the plow, means for adjustably connecting the short arms of the members with the beam in front of the curved portion thereof, a cutter disk placed between the members and supported from the same at the junction of the short arms with the long arms of the members and an arm, formed with loops to make it flexible, fastened to one member and extending outwardly and rearwardly from said member.

1,637,927. FLOW METER. CARL ROBERT HUGO BONN, Hillhead, Glasgow, Scotland. Filed Jan. 25, 1924, Serial No. 688,629, and in Great Britain Jan. 27, 1923. 5 Claims. (Cl. 265—23.)



1. In combination, a turbine wheel having transverse blades; resilient means for controlling said wheel; regulating means for said resilient means; means responsive to a movement of said turbine wheel; and a nozzle adapted to direct fluid into said blades so as to rotate said wheel against the action of said resilient means.

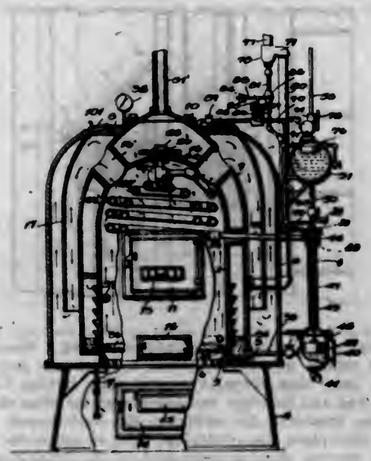
1,637,928. CAR TRUCK. SAMUEL P. BUSH, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed July 20, 1926. Serial No. 123,721. 5 Claims. (Cl. 105—197.)



1. The combination with a side frame having an opening therethrough, a spring plank having an end supported by the side frame at the bottom of the opening, springs carried by the spring plank and by the side frame, respectively, the springs carried by the side frame being housed by the columns thereof, a bolster having an end inserted in the opening in the side frame over the springs, and means engaged with all the springs for supporting the bolster for relative rocking movement.

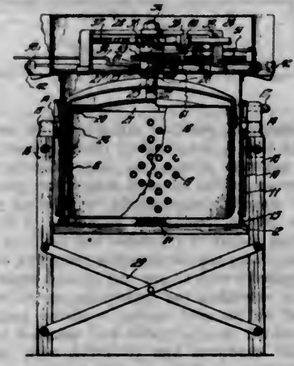
1,637,929. STEAM BOILER. CHARLES J. CARLSON and OSCAR M. ELTON, Helena, Mont. Filed Apr. 23, 1923. Serial No. 634,062. 2 Claims. (Cl. 122—40.)

1. In a boiler, a casing formed to provide a combustion chamber and a steam and liquid compartment adjacent thereto, a water conducting coil disposed within said combustion chamber and arranged to discharge into the steam and water compartment, means connecting with the water conducting coil for conducting water from a source of supply to said coil, a valve controlling said water supply means, a float chamber extending slightly above the level of the lower end of said steam and water compartment, a conduit lying at the level of the lower end of said steam and water compartment and connecting the latter with said float chamber, a float in said float chamber and adapted to rise and fall with



the water in the latter, and means connecting the float and said valve, whereby the latter will be actuated in response to the rise and fall of the float within the float chamber.

1,637,930. COMBINED LAUNDRY WASHING MACHINE AND HYDRO-EXTRACTOR. ARCHIE DIMATOS and GREGORY DIMITRI MICHAL, Sydney, New South Wales, Australia. Filed Aug. 24, 1926, Serial No. 131,281, and in Australia Apr. 27, 1925. 5 Claims. (Cl. 68—18.)



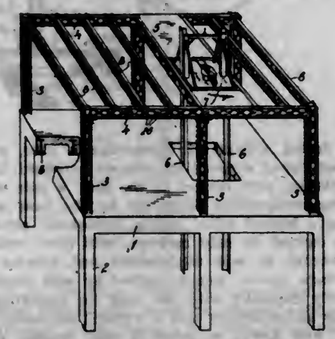
2. In a laundry machine, a casing, a perforate bowl in said casing, means for imparting oscillatory or rotary movement to said bowl, a spindle at the upper extremity of the bowl, a lever pivotally connected with the casing and rotatably receiving the spindle and operatively associated with said movement imparting means and means rotatably mounting the lower extremity of the bowl in the casing and permitting tilting movement of the bowl whereby either oscillatory or rotary movement may be imparted to said bowl.

1,637,931. VULCANIZER. PAUL FRANÇOIS MARC ALBERT FONTANA, Cluses, France, assignor to Societe des Appareils Mephisto Jules Manfredi and Cie., Cluses (Haute-Savoie), France. Filed Nov. 18, 1925, Serial No. 69,882, and in France June 25, 1925. 6 Claims. (Cl. 18—18.)



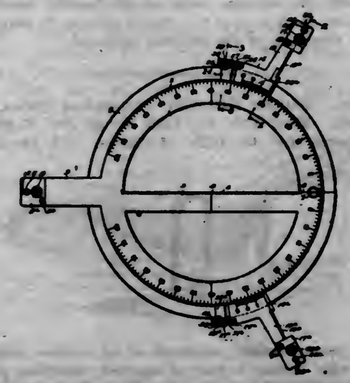
1. A repairing element for a vulcanizer lighted and heated automatically, comprising a metal cup, a rubber patch impregnated with sulphur and secured to the under face of this cup, a combustible composition within the cup, and ignition means covering said composition over its entire surface.

1,637,932. REENFORCED CONCRETE CONSTRUCTION. THOMAS J. FOSTER, Ridgewood, N. J. Filed Aug. 28, 1922. Serial No. 584,631. 4 Claims. (Cl. 72—71.)



1. The concrete floor construction of the beam and panel type comprising skeleton web reenforcing beams adapted to support the molds for the concrete beams and strong concrete cast around said beams and reenforced thereby to form reenforced concrete beams and having portions cast integral therewith forming the adjacent portions of the floor panels projecting laterally from said concrete beams and lighter concrete forming the intermediate portions of the floor panels and intimately united to such strong concrete.

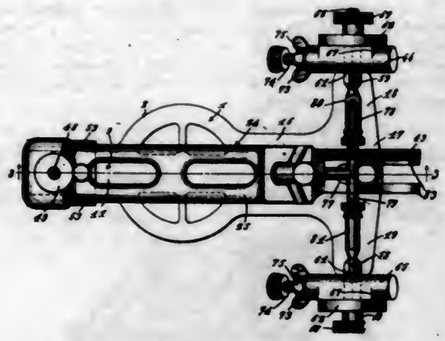
1,637,933. PROTRACTOR. CHARLES B. GALVIN, New York, N. Y. Filed Oct. 24, 1923. Serial No. 670,601. 4 Claims. (Cl. 33—75.)



1. A protractor which comprises a ring having a diametrical crossbar and a fixed arm extending radially outward at one end of said crossbar, there being an

index point on said arm, an arm mounted on said ring to rotate about the center thereof and having an index point thereon at the same distance from the center of said ring as the previously mentioned index point.

1,637,934. ARTICULATOR. WILLIAM M. GAMBILL, Merkel, Tex. Filed July 24, 1926. Serial No. 124,704. 13 Claims. (Cl. 32—1.)



1. A dental articulator comprising a base, a spring-controlled upper articulator member arranged in superposed relation with respect to the base, a pair of spaced tensioning mechanisms supported by the base and each including a housed coiled spring, transverse pivot means for and carried by said member, said pivot means slidably mounted in said mechanisms and bearing against said springs, driven means carried by said member and operatively engaging with the base for imparting simultaneously an oscillatory and a vertical movement to said member, and means mounted in said member for operating said driven means.

1,637,935. POROUS COMPOSITION BUILDING MATERIAL. DANIEL GARZA, New Orleans, La. Filed Apr. 26, 1926. Serial No. 104,845. 1 Claim. (Cl. 106—18.)

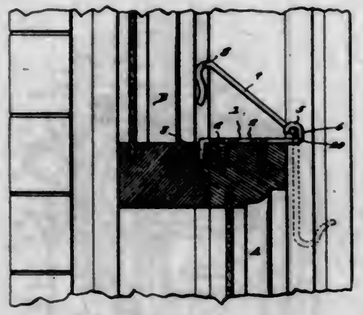
An improved light, strong, porous building material comprising Portland cement, sand and scoriaceous basalt in substantially equal parts and grbund cork in at least two parts to every part of the basalt, said basalt being reduced to small state short of powdered condition and having numerous small cells, said cement, sand and cork forming a mix to receive the cellular basalt and bonding only with the exterior cells of the basalt, leaving the inner cells unfilled, said cork being cellular to add, to the cellular structure of the building material.

1,637,936. MONEY HOLDER. CHRISTIAN GROSS, Paris, France. Filed Feb. 10, 1926, Serial No. 87,465, and in France Mar. 18, 1925. 4 Claims. (Cl. 24—261.)



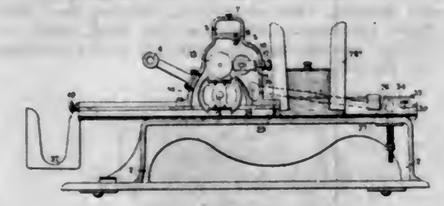
1. A money holder composed of an endless section of spring wire having a pair of opposed clamping portions joined together at one end by crossed connecting portions, said crossed connecting portions being pivotally connected to each other.

1,637,937. SASH FASTENER. FRANK J. HART and DANIEL W. MCGEE, Fort Worth, Tex.; said McGee assignor to said Hart. Filed June 11, 1926. Serial No. 115,303. 1 Claim. (Cl. 292—194.)



A device of the class described comprising a base plate having prongs at one end thereof which are bent upwardly into hook shape, a second plate having a hook at one end and its other end notched at the sides thereof to form trunnions for engaging the hook-shaped parts of the first plate, the vertical portions of the hooks being flat to prevent slipping movement of the trunnions and the space between the prongs being extended to receive the neck formed by the notches of the second plate when said second plate depends from the first plate.

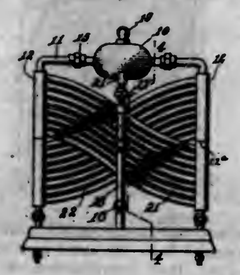
1,637,938. ADDRESSING MACHINE. EDMOND HEUZÉ-BEAUREGARD, Ste.-Adresse, France. Filed Dec. 14, 1926, Serial No. 154,759, and in France Dec. 8, 1925. 3 Claims. (Cl. 101—55.)



1. An addressing machine comprising in combination, a supporting base, a longitudinal frame rockably mounted thereon, a magazine adapted to carry stencils in stacked relation, means guided in said frame for receiving and feeding the stencils consecutively to printing position, a reciprocable casing, releasably connected with the said stencil feeding means, a regulable ink fount in the upper part of said casing, ink distributing rollers in said casing, spring controlled levers at one end of said rockable frame, an upwardly extending lug carried by one of said levers, an abutment on the said casing, a spring controlled rod slidably mounted on the frame and adapted to be operated by said abutment and co-acting with said lug to hold the frame in printing position, and a rotary ink pad mounted on a spindle in said casing, as and for the purpose set forth.

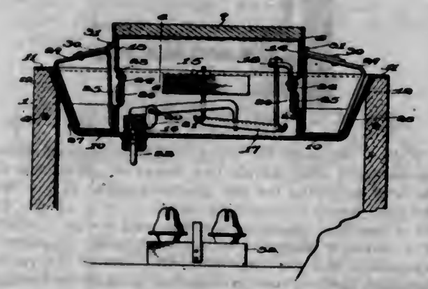
1,637,939. BOILER. WILL G. HOAGLAND, Independence, Kans. Filed Aug. 11, 1923. Serial No. 656,791. 1 Claim. (Cl. 122—256.)

In a boiler of the character described, a mud ring, a longitudinally extending dome located above the mud ring at a point above the center thereof and of considerably less width than the mud ring, a plurality of upright pipes connected with the sides of the mud ring and terminating in horizontal inward extensions leading into the opposite sides of the dome, a steam outlet at the center of the top of the dome, a circulating pipe connecting the mud ring and the dome at one end of the latter and equipped with a water inlet, and a plurality of series of tubes arranged in interfitting relation, there being two banks or series of tubes for each pair of up-



right pipes, one bank or series of tubes of each pair connecting at one end with the lower portion of one upright pipe and at the other end with the upper portion of the opposite upright pipe, said upright pipes being provided with partitions between the connections of the banks of tubes therewith, and the tubes of one bank or series being offset to be out of alinement with those of the other series to avoid the same.

1,637,940. HOG WATER FOUNTAIN. MATHIAS J. HOSCH, Randolph, Nebr. Filed Sept. 12, 1924. Serial No. 737,367. 4 Claims. (Cl. 119—78.)



1. A fountain having a partition defining a water pan, a mud pan in said water pan providing an auxiliary bottom, means by which the mud pan may be lifted out including a bail, and means carried by the bail arranged to be moved into engagement with a portion of the adjacent partition to lock the mud pan in place.

1,637,941. VAPOR-UTILIZING DEVICE. IRVING JAY HUNTER, Medina, N. Y. Filed Oct. 7, 1925. Serial No. 61,060. 2 Claims. (Cl. 123—119.)



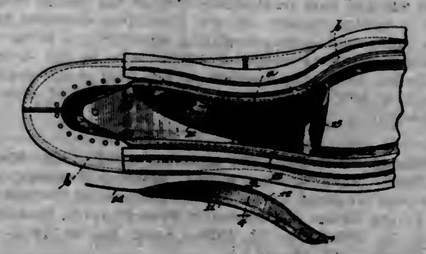
1. In combination with the intake manifold, throttle control mechanism and breather pipe of an internal combustion engine, a member mounted upon the open upper end of the breather pipe and provided with a lateral extension having a passage therein communicating with a port in its upper surface, a cap normally closing said member, a valve member rotatably mounted upon said lateral extension and operatively connected with the throttle control mechanism of the carbureter, said rotary member having a passage on its face engaging the lateral extension of said member, said lateral extension having a second port therein, a tubular conduit connected and communicating with said second named port and with the intake manifold of the engine, the passage in said rotary member being adapted to be brought more or less into registration with both of said ports.

1,637,942. PUMP. JOHN SAMUEL HUNTER, Coalinga, Calif. Filed Mar. 1, 1926. Serial No. 91,548. 1 Claim. (Cl. 103—181.)



A device of the class described, comprising a barrel and a casing wherein the barrel is seated against downward movement, a ring, means for detachably mounting the ring in the casing, in accessible relation to one end of the casing, a spring keeper secured at its upper end rigidly to the ring, the lower end of the keeper being provided with a recess that receives the end of the barrel, an inwardly extended lug on the lower end of the keeper and disposed above the recess, a pumping plunger slidable in the barrel, an operating member carrying the plunger, the barrel being provided with a projection which the plunger engages to raise the barrel when the operating member is raised beyond the limit of a pumping stroke, and a releaser on the operating member and engaging the lug on the keeper to flex the keeper and disengage the recess from the upper end of the barrel when the operating member is raised sufficiently.

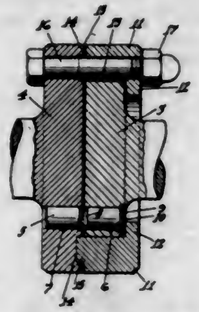
1,637,943. SHANK STIFFENER FOR SHOES. JACOB F. JONAS, Bellevue, Ky., assignor to The Krippendorf-Dittman Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 18, 1921. Serial No. 462,132. 1 Claim. (Cl. 36—76.)



In a shoe, a shank stiffener having angularly disposed inner and outer surfaces merging in a curved line lengthwise of the shank stiffener with the terminals of the

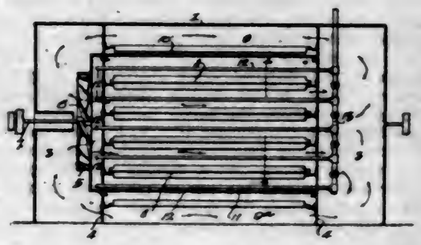
curved line at the inner side of the shank member, the outer surface arcuate longitudinally and the inner surface inclined relative to the outer surface and arcuate longitudinally.

1,637,944. COUPLING DEVICE. ALFRED R. KELLER, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 22, 1925. Serial No. 45,332. 6 Claims. (Cl. 64—105.)



1. In a safety coupling device of the class described, alined shaft sections provided with end flanges of different diameter in abutting relation, driving pins extending through said flanges, and a member carried by the larger of said flanges for inclosing the smaller flange and for holding said pins against longitudinal movement.

1,637,945. VENEER DRIER. FREDERICK KENSHAW, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 6, 1925. Serial No. 67,410. 1 Claim. (Cl. 34—12.)



The combination in a drier, of a casing; two vertically arranged longitudinal partitions therein separating a central drying chamber from side circulating chambers; two horizontal partitions separating the drying chamber from upper and lower circulating passages; fans in one of the vertical partitions; means for driving the fans so that air will pass transversely through the drying chamber, returning through the side circulating chambers and the upper and lower circulating chambers; a series of endless conveyors extending horizontally in the drying chamber; and steam heating pipes located in the drying chamber between the upper and lower runs of certain conveyors.

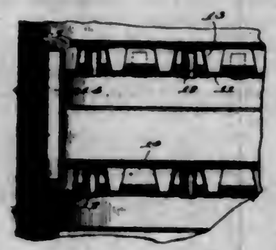
1,637,946. METHOD OF MAKING IMITATION MARBLE. KARL RUDOLF KNOFE, Dresden, Germany, assignor, by direct and mesne assignments, of one-half to Trygve Mamen and one-half to John Edwards, Brooklyn, N. Y. Filed Feb. 27, 1926. Serial No. 91,119½. 3 Claims. (Cl. 18—48.8.)

1. A method of making imitation marble which comprises forming a mold with a glass bottom, coating the bottom of the mold in colors, applying a layer of different colors to produce veining on the coating, throwing in a preconcreting mixture with considerable force to spread the veins and the colors and then pouring in a body layer of concrete drying the product in the mold



for about twenty-four hours under heat and then removing the product from the mold and drying it in the air for two days, then impregnating the product with a water-proofing solution and then allowing it to dry for one day.

1,637,947. SEPARATOR. MEINHARD H. KOTZEBUE, Tulsa, Okla. Filed Apr. 21, 1926. Serial No. 103,550. 3 Claims. (Cl. 261—114.)



2. In a separator for separating gasoline from natural gas having a tray therein and means in connection with the tray providing for the upward passage of gas therethrough, means arranged to define a level on the tray for a gasoline absorbing medium, and means consisting of a series of layers of reticulate material supported in connection with the tray above the level of the gasoline absorbing medium and arranged to produce and support foam whereby to increase the surface contact between the gas and the gasoline absorbing medium, as described.

1,637,948. HOSE SUPPORTER. SOLOMON KURZER, New York, N. Y. Filed Aug. 4, 1926. Serial No. 127,128. 2 Claims. (Cl. 24—81.)



1. In a hose supporter, a gripping member including a base plate formed at one end with a turned over flattened section presenting a resilient gripping portion and at the other end with portions bent back on the plate to a point substantially centrally of the plate, a pair

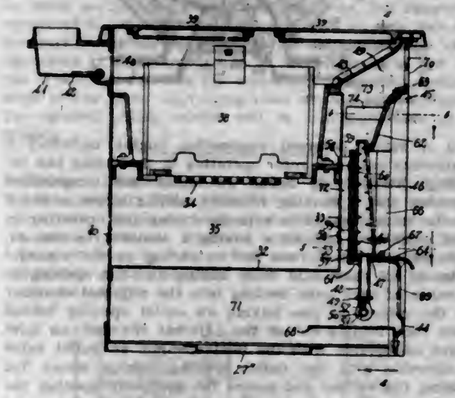
of ears extending from said last mentioned portions, a clamping plate formed with a pair of ears positioned to register with the first mentioned ears, and a turned over flattened section co-acting with the turned over flattened section of the base plate, a pintle for connecting said ears together, and a spring for causing said clamping plate to function.

1,637,949. BOILER TOOL. HARRY ANTHONY LACERDA, Watervliet, N. Y. Filed Feb. 18, 1926. Serial No. 89,125. 4 Claims. (Cl. 81—53.)



1. A tool of the character described, comprising a socket member adapted to be removably coupled to a rotary driving means, a head member removably coupled to the socket member and having an enlarged externally screw-threaded portion intermediate its ends, and an internally screw-threaded coupling sleeve adapted to couple a stay-bolt socket to said head, said head at its forward end adapted to engage within the stay-bolt socket and prevent contact of the end of the stay-bolt socket with said head member.

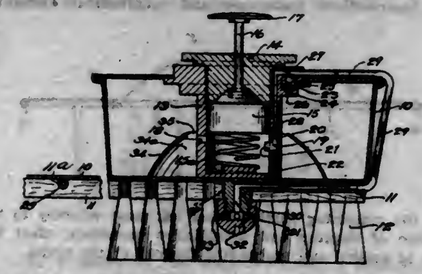
1,637,950. COMBINATION RANGE. HENRY LANGE, Quincy, Ill. Filed June 10, 1925. Serial No. 36,227. 18 Claims. (Cl. 126—39.)



1. A cooking range having a solid fuel heater with a firebox, and a built-in radiant gas heater, said firebox having an inclined portion overhanging said gas heater for deflecting fuel from above into the firebox and for deflecting air from below outwardly.

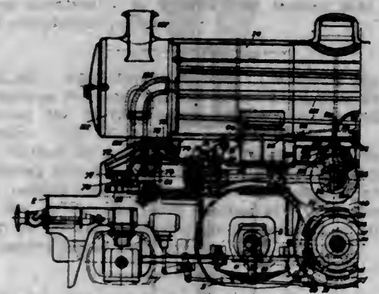
1,637,951. DISPENSING DEVICE. LEWIS MARCHIONE, Medford, Mass., assignor, by mesne assignments, to Heaney Mfg. Co., Boston, Mass., a Corporation. Filed May 28, 1923. Serial No. 642,013. 1 Claim. (Cl. 221—80.)

A device of the character described having in combination, an air tight liquid container; a piston pump within said container; a delivery conduit connected with the outlet of said pump; a piston-operated valve controlling the outlet of said pump; a relief port communicating at one end with said conduit and at its other end with the



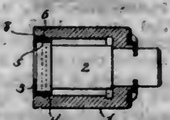
interior of said container above the level of the liquid contained therein, and a check valve controlling said port, said valve opening toward said conduit.

1,637,952. LOCOMOTIVE. OLIVER MARGETSON and PERCY GRIERSON ROBINSON, London, England. Filed Mar. 26, 1923, Serial No. 627,849, and in Great Britain Apr. 13, 1922. 16 Claims. (Cl. 105—62.)



1. An internal combustion locomotive comprising a plurality of oppositely disposed horizontal internal combustion engines and a plurality of oppositely disposed horizontal steam engines operating on a common crank shaft geared to an intermediate crank shaft, a plurality of pairs of road wheels having crank pins connected by common coupling rods, the internal combustion engines and the steam engines being arranged as pairs having a common piston rod, and the crank pins on the intermediate shaft operating directly in the coupling rods of the road wheels.

1,637,953. CYLINDER LOCK. MAXWELL C. MAXWELL, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Aug. 2, 1926. Serial No. 126,556. 3 Claims. (Cl. 70—46.)

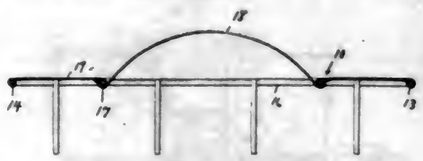


1. The combination of a cylinder and a rotary member therein, said cylinder and member having parts formed with mating grooves and said cylinder having a tangential hole, and a fixed, continuous securing member occupying said mating grooves and extending into said tangential hole.

1,637,954. AEROPLANE WING. FRED E. MCGRATH, Clarksburg, Mass. Filed Oct. 26, 1925. Serial No. 64,943. 2 Claims. (Cl. 244—12.)

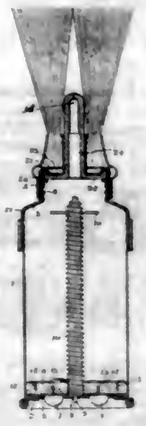
1. In an aeroplane wing, a trapezoidal shaped frame including longitudinal and transverse elements, a fabric

covering on the upper and lower sides of the frame, a portion of the covering being omitted at one side between the intermediate transverse and longitudinal elements



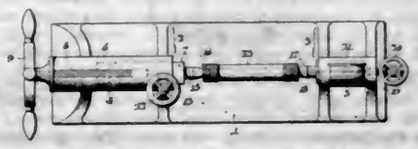
and the remaining portion being left loose whereby to be capable of bagging and providing a parachute effect in case of sudden and unexpected descent of the plane.

1,637,955. TUBULAR DISPENSER. FRANK MCLAUGHLIN, Toronto, Ontario, Canada. Filed Feb. 28, 1924. Serial No. 695,856. 3 Claims. (Cl. 221—79.)



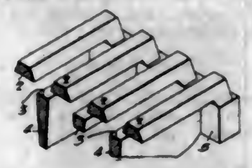
1. A dispensing container, comprising a tubular member, a rotatable member closing the bottom of said tubular member and having a slot arranged centrally thereof, a spindle having a flat projection extending into said slot and withdrawable thereon through the rotation of said rotatable member, a piston threaded on said spindle, and resilient means for closing the outer end of the container.

1,637,956. TESTING APPARATUS. JOHN HENRY MORIARITY, Buffalo, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed June 1, 1925. Serial No. 33,988. 6 Claims. (Cl. 73—51.)



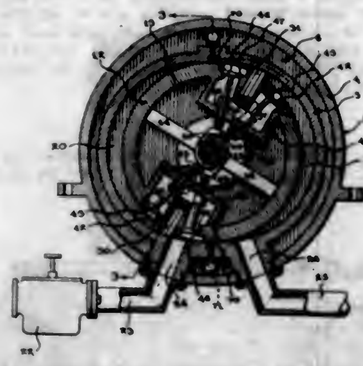
1. An apparatus for tube testing, including in combination, a pair of abutments integral with a common base between which the tube is supported, said abutments comprising co-axially aligned trammel projections one of which is adjustable relative to the other adapted to engage within the ends of the tube and to seal the same; and means for supplying a pressure medium to the interior of the tube while thus supported.

1,637,957. GRATE BAR. ABRAM C. MOTT, Jr., Philadelphia, Pa., assignor to Abram Cox Stove Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1925. Serial No. 21,304. 3 Claims. (Cl. 126—167.)



1. A grate bar made of a single casting and having two series of spaced longitudinal ribs on different planes, the lower surfaces of one series being above the upper surfaces of the other series, the ribs of the upper series being above the spaces between the ribs of the lower series; and end sections at the ends of said ribs formed integrally therewith.

1,637,958. INTERNAL-COMBUSTION ENGINE. FREDERICK M. NEWSON, Salt Lake City, Utah. Filed Jan. 13, 1926. Serial No. 81,050. 3 Claims. (Cl. 123—16.)



2. A rotary internal combustion engine including a stationary casing, a rotor operating in the casing and co-acting therewith to define an intake and compression chamber and a working chamber, sliding vanes mounted on the rotor co-operable with the casing and operating in said chambers, said rotor having a chamber therein associated with each vane and extending on the opposite sides of its vane, said rotor having an inlet opening in advance of each vane leading into the adjacent chamber in the rotor and also having an outlet opening behind each vane leading out of the adjacent chamber, an inlet valve co-operable with the inlet opening, an outlet valve co-operable with the outlet opening, spring means for closing the valves, and means for positively opening the valves at the proper time in the cycle of operation.

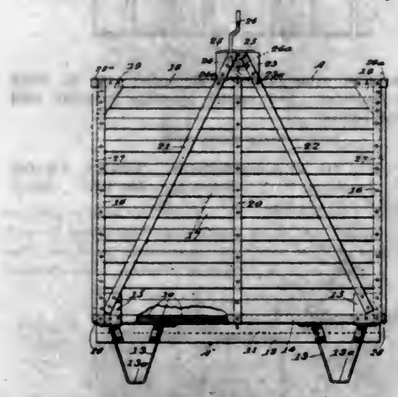
1,637,959. WINDOW-PANE FASTENER. FRANK S. OSBORN, Shinglehouse, Pa. Filed Mar. 21, 1927. Serial No. 177,079. 1 Claim. (Cl. 20—56.4.)



A glazing means comprising a strip of angle shape in cross section, with its edges curved inwardly so that the major portion of the strip will be spaced from the pane and its frame when the strip is in position, a strip of

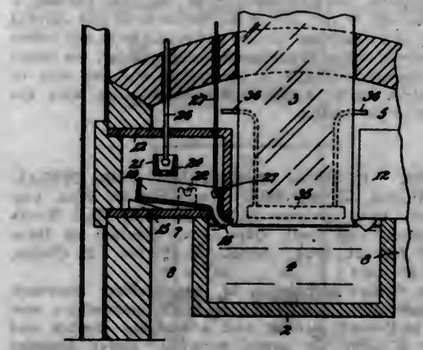
flexible material occupying part of the space and bearing against the pane, the corners of the strips being pushed outwardly at intervals to form flattened portions which are perforated, washer plates covering the flattened portions and having inwardly bent ends for fitting in the corner of the angle strip and screws passing through the washer plates and the perforations in the flattened portions for holding the parts in position.

1,637,960. PORTABLE RACK. ROBERT T. ROMINE, Mount Clemens, Mich. Original application filed Jan. 26, 1926, Serial No. 83,947. Divided and this application filed Nov. 10, 1926. Serial No. 147,459. 8 Claims. (Cl. 294—67.)



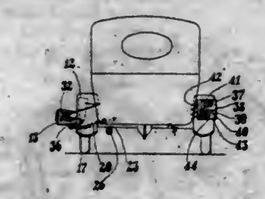
1. In a platform rack the combination of a load supporting floor, a container frame-work mounted on said floor, a pair of trusses extending beneath said floor, one at each longitudinal side thereof, each truss being angular in cross section and supporting the floor, leg supports connected to said trusses, a pair of bars at each side of the rack extending upwardly in converging relation and connected at their lower ends to opposite ends of one of the trusses, and means for connecting a hoisting mechanism to the upper converging ends of said bars whereby the upward lifting strain will be transmitted to said trusses.

1,637,961. DRAWING OF GLASS IN SHEET FORM AND APPARATUS THEREFOR. EUGÈNE ROWART, Auvelais, Belgium, assignor to Pilkington Brothers Limited, Liverpool, England, a Limited Liability Company of Great Britain. Filed Feb. 26, 1924, Serial No. 695,254, and in Belgium Mar. 5, 1923. 23 Claims. (Cl. 49—17.)



22. The process of drawing sheet glass, which comprises drawing the main body of the sheet and the two edge portions from separate sources.

1,637,962. AUTOMOBILE SIGNAL DEVICE. ADALBERTO SANCHEZ, Kingman, Ariz. Filed Jan. 22, 1926. Serial No. 82,987. 3 Claims. (Cl. 116—53.)

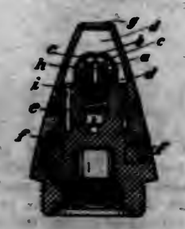


1. In a device of the class described, a plurality of pivotally mounted indicators disposed under the rear fender of an automobile, a plurality of operating levers connected to said indicators, a plurality of resilient members adapted to retain said indicators under said fender, a plurality of telescoping shafts mounted beneath the floor of said automobile and extending from the rear thereof to a position forward of the driver's seat, and foot pedals attached to said telescoping shafts for rotating the same to actuate said levers for causing said indicating members to be rotated from beneath said fender to a conspicuous position.

1,637,963. PHOSPHORESCENT LUMINOUS ENAMEL. FERNAND SAUVAGE, Paris, France. Filed Sept. 21, 1925. Serial No. 57,795, and in France Oct. 4, 1924. 1 Claim. (Cl. 91—70.)

A method of rendering objects luminous in the dark consisting in coating the objects with layers of a mixture of a varnish and phosphorescent zinc sulphide, and drying the article after each coating at a temperature of about 65° C. and increasing the temperature by 10° after the application of each layer.

1,637,964. FUSE FOR PROJECTILES. VALENTIN SCHLAFER, Sommerda, Germany, assignor to Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany, a Corporation of Germany. Filed Nov. 19, 1924, Serial No. 750,894, and in Germany Dec. 1, 1923. 7 Claims. (Cl. 102—36.)

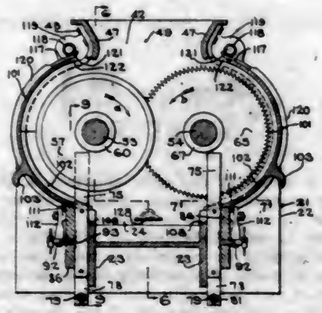


1. A fuse for projectiles for firing at objects at great heights comprising a fuse body having an opening therein which leads by means of a passage to the fuse composition; a thin plate in the forward end of said opening; and means for automatically breaking said plate when the projectile is fired in order to allow the atmosphere to penetrate into the fuse body and to the fuse composition by means of said passage.

1,637,965. HASHING MACHINE. OSCAR C. SCHMIDT and AUGUST G. KLAWITTER, Cincinnati, Ohio, assignors to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 29, 1924. Serial No. 740,444. 11 Claims. (Cl. 146—122.)

5. In a hashing machine of the character described, the combination of a plurality of sets of rotatable spaced hashing blades, shafts on which said blades of said re-

spective sets are located, said shafts located in substantially similar horizontal planes, means for rotating said sets of blades toward each other at their upper portions, spaced-apart combs below said shafts for said respective



sets of blades, a hopper above the inner portions of said sets of blades, and arcuate doors extending substantially the distance between said hopper and said respective combs about the outer arcs of said respective sets of blades.

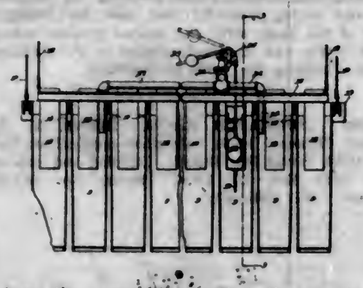
1,637,966. SELF-LUBRICATING BEARING. ADOLPH H. SINGELMANN, Newburgh, N. Y. Filed June 26, 1924. Serial No. 722,501. 2 Claims. (Cl. 308—238.)



1. A shaft bearing comprising a skeleton cage through which the shaft passes, said cage embodying a pair of spaced rings and a circular series of rods rigidly connecting said rings and arranged in uniformly spaced parallel relation, radially slidable bearing strips fitted in the spaces between the rods and projecting inwardly of the rods and the rings with their inner longitudinal edges conforming to and engaging the shaft, the outer edges of said rods being inwardly of the outer peripheries of said rings and the outer edges of said bearing strips, and a band encircling the bearing strips between the rings to maintain said bearing strips in engagement with the shaft.

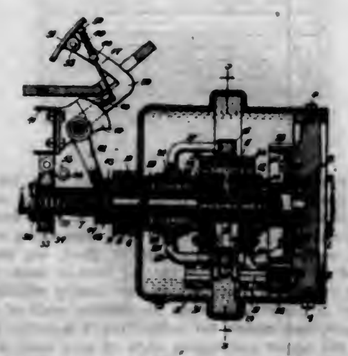
1,637,967. MEASURING CAN FILLER. THOMAS SHIPLEY, York, Pa., assignor to Shipley Patent Corporation, York, Pa., a Corporation of Delaware. Filed June 10, 1924. Serial No. 719,154. 6 Claims. (Cl. 226—105.)

1. In a liquid measuring device, the combination of a plurality of measuring chambers having overflow connection with each other above the normal lever of the measured charge of liquid therein; a liquid supply delivering to said chambers; an automatic level controlled valve subject to the level in said chambers and arranged to shut off said supply when the liquid level reaches a definite height above said overflow connections; displacement bodies movable into and out of said chambers and arranged to raise the level of the measured charge of liquid by displacement from below said connections to a



level above the same when said bodies are in their displacing positions; and means operable to shift said displacement bodies.

1,637,968. FLUID TRANSMISSION. MAYROE DEXTER SIMPSON, Brooklyn, N. Y. Filed Apr. 19, 1927. Serial No. 185,025. 7 Claims. (Cl. 74—34.)

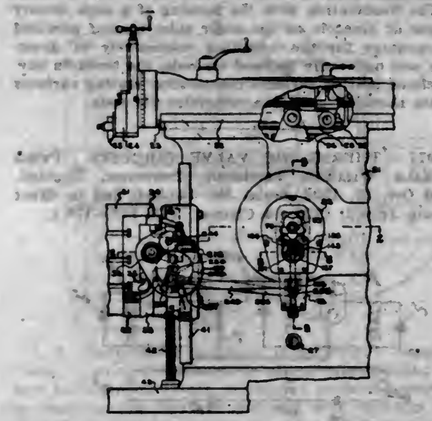


1. A fluid transmission, including a casing adapted to be filled with fluid, a gear in the casing fixed to turn with the drive shaft, and a driven shaft projecting into the casing and having a longitudinal bore therein, a cylinder block mounted to turn with the driven shaft and having a cylinder therein, a crank shaft carried by the block, a plunger in the cylinder operatively connected to the crank shaft, a pinion on said crank shaft engaging the gear, a jacket around a portion of said driven shaft, said driven shaft having within said jacket a series of by-pass ports communicating with the bore thereof, a valve movable in the bore of the driven shaft and adapted to open and close said by-pass ports, and inlet and outlet check valves communicating with said cylinder, the outlet ports communicating with the jacket, and the bore of said driven shaft having open communication with the interior of the casing.

1,637,969. FEEDING MECHANISM FOR METAL-WORKING MACHINERY. AUGUSTUS M. SOSA, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 21, 1924. Serial No. 727,104. 22 Claims. (Cl. 90—39.)

3. In feeding mechanism of the character described, the combination of a feeding assembly comprising a normally stationary member and a movable member and having a point for power reception, power applying means having a point for power application, adjusting means for said feeding assembly for qualifying the distance between said points, said power applying means

including a normally stationary member and a movable member, automatic resilient yielding means permitting automatic yielding between said last-named members and



causing automatic return to substantially normal relation between said last-named members, means connecting said normally stationary members, and connecting means between said movable members.

1,637,970. CAR-TRUCK SIDE FRAME. HARRY WALTER STREITBACH and MERRITT RASMUS HANSEN, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Mar. 11, 1925. Serial No. 14,782. 3 Claims. (Cl. 105—205.)



1. A cast side frame for car trucks including a tension member, a spring seat merging into the tension member, a column rising vertically from the spring seat at the junction of the same with the tension member, and longitudinally extending depending side walls on the bottom of the spring seat, said walls being offset relative to the sides of the column.

1,637,971. AUTOMOBILE AWNING. LEO O. STRUBLE and CHARLES E. HANLY, Salina, Kans. Filed Mar. 1, 1927. Serial No. 171,809. 2 Claims. (Cl. 156—44.)

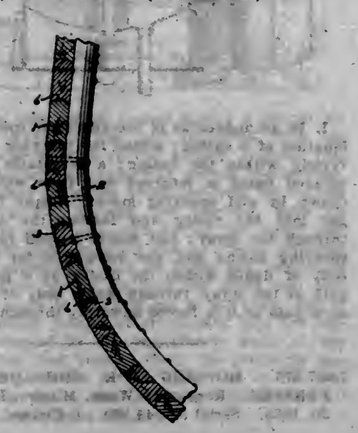


1. In an awning, a combined support and pivot element for a spring controlled roller and an adjustable carrier for a flexible awning body winding on and off said roller, said element having its outer end provided with a loop and a right angularly disposed part at the inner end of the loop terminating in a loop disposed at right angles to the other loop to provide a support for a pintle of the roller, and said element further having its inner end formed with a loop and a right angularly disposed part extending from the inner end of the last mentioned loop and providing a pivot for the carrier.

1,637,972. PROCESS FOR THE PRODUCTION OF ETHYL CHLORIDE. HERMANN SUIDA, Modling, near Vienna, Austria. Filed Feb. 3, 1925, Serial No. 6,651, and in Austria Feb. 11, 1924. 4 Claims. (Cl. 260—166.)

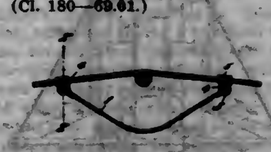
1. Process for the manufacture of ethyl chloride which comprises combining ethylene and dry hydrochloric acid gas with the aid of catalysts at superatmospheric pressure and temperatures not exceeding 10° C.

1,637,973. BOAT-HULL CONSTRUCTION. CHRISTIAN J. THOMPSON, Peshtigo, Wis. Filed Nov. 6, 1925. Serial No. 67,358. 1 Claim. (Cl. 114—82.)



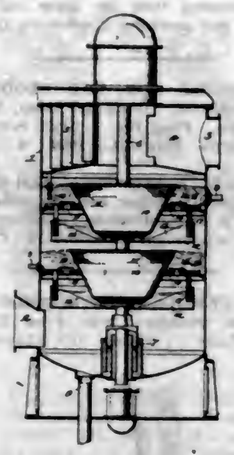
A ship having its hull planks each formed of a concavity in one edge and its other edge convex, the convex edge of one plank fitting in the concavity of another plank and the convex edge having a compressed portion extending through the longitudinal center thereof which will expand when it becomes wet the outer face of the compressed portion forming a portion of the convex edge before said portion is expanded.

1,637,974. PROTECTOR. JOHN T. TURNER, Exmore, Va. Filed May 26, 1926. Serial No. 111,790. 1 Claim. (Cl. 180—69.01.)



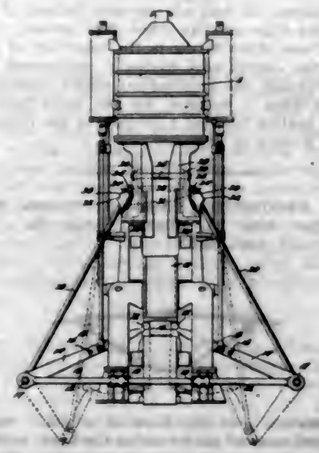
In combination with the hood of a motor vehicle, a trough-shaped member placed under the hinge part of the hood for receiving water dripping through the hinge, said member having a tubular part at each side edge thereof, a coiled spring in each tubular part and a hook at each end of each spring, said hooks projecting from the ends of the tubular parts and engaging end portions of the hood to hold the device on the hood.

1,637,975. LIQUID AND GAS CONTACT APPARATUS. FREDERICK H. WAGNER, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed June 17, 1925. Serial No. 37,796. 8 Claims. (Cl. 261—91.)



1. In an apparatus of the character specified, the combination of a casing; means for spraying a liquid transversely within the casing; a receptacle to which the sprayed liquid is returned and from which it is withdrawn by and spraying means; means for introducing gas into the casing and forcing the same upwardly through the spray; and means located intermediate the spraying means and the receptacle for maintaining a body of liquid within the casing at a point below the path of the spray, through which body of liquid the gas must pass as it is forced upwardly through the casing.

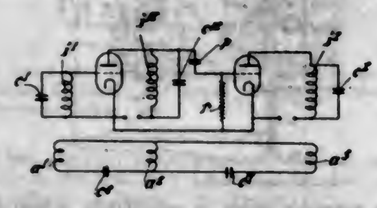
1,637,976. HOUSING FOR HIGH-DENSITY COMPRESSES. ROBERT D. WEBB, Minden, La. Filed July 20, 1925. Serial No. 44,860. 6 Claims. (Cl. 100—9.)



2. The combination with a high density compress having a housing and a pair of heel pins, of a pair of tie rods attached at one end to said heel pins, and a bracket on each side of said housing, to receive the other ends of said tie rods, an abutment on each bracket, and means cooperating with each tie rod for transmitting pressure from said heel pin to said abutment, said means being adjustable to vary the length of said rod.

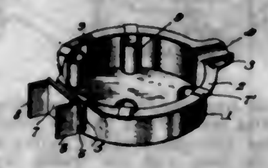
4. The combination with the housing of a high density compress of brackets on the outer sides thereof provided with openings for the reception respectively of downwardly and outwardly inclined tie rods, the brackets having inclined bearing surfaces constituting seating surfaces for nuts threaded upon the respective tie rods.

1,637,977. THERMIONIC VALVE CIRCUITS. PETER WILLIAM WILLANS, Pattishall, Towcester, England. Filed Oct. 27, 1926, Serial No. 144,554, and in Great Britain July 2, 1925. 4 Claims. (Cl. 179—171.)



1. In a thermionic valve amplifier comprising inductances respectively connected in plate and grid circuits and in which capacitative coupling exists between certain of the amplifier elements, means for neutralising said capacitative coupling, said means comprising auxiliary inductances and a condenser connected in a closed circuit said auxiliary inductances being electromagnetically, coupled respectively to said plate and grid circuit inductances.

1,637,978. SMOKER'S TRAY. CHARLES EDWARD ANDERSON, Sioux Falls, S. Dak. Filed Aug. 27, 1926. Serial No. 131,977. 2 Claims. (Cl. 131—51.)



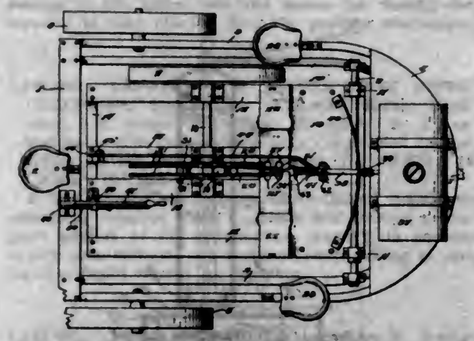
1. A smoker's tray, constructed of metal having bendable extensions on the mouth thereof which merge into lateral projections, designed to be folded upon themselves to provide tubes that are received in the tray when the extensions are bent over the mouth of the tray.

1,637,979. ARTICULATED CONNECTING ROD. GLENN D. ANGLE, Detroit, Mich. Filed July 19, 1926. Serial No. 123,550. 7 Claims. (Cl. 74—17.)



3. The combination with a connecting rod and cap, of link pins mounted therein and cap securing bolts intersecting said pins and locking the same in place.

1,637,980. PLANTER. EDGAR ARNOLD, Kent, Ohio. Filed Aug. 17, 1925. Serial No. 50,730. 2 Claims. (Cl. 111—3.)



1. A plant-setting machine comprising a supporting frame, a pair of transversely alined plant-holding members having downwardly converging portions terminating in abutting stop lips and provided with openings therethrough at said lips, means for yieldably holding the opposed converging portions of said members in contact whereby to support a plant, and a plurality of pairs of normally open plant-clasping fingers arranged to ride upon and between said plant-holding members to engage the plant and remove the same, said fingers being provided with forwardly projecting spurs to enter the openings in the plant-holding members whereby to avoid dislodgment of the plant prior to its clasping by the fingers.

1,637,981. PICTURE HANGER. DONALD C. BALDWIN, New York, N. Y. Filed Dec. 31, 1925. Serial No. 78,712. 2 Claims. (Cl. 40—143.8.)



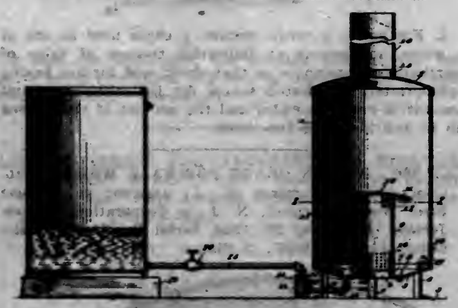
1. As a new article of manufacture, a picture hanger composed of a sheet metal body having means at one end to suspend the same from a support and an opposite upwardly directed free rebent end forming a seat, and a series of adjacent substantially aligned projections at the rear of and above said seat and having broad bases with biting edges at the opposite sides of the body, said projections having free ends extended upward substantially parallel to and spaced from said rebent end and the body to form a plurality of wire receiving seats.

1,637,982. DUSTLESS ASH SYSTEM. HERMAN P. BANNINGA, Muskegon, Mich. Filed Oct. 2, 1926. Serial No. 139,150. 1 Claim. (Cl. 299—121.)



A nozzle having a tubular body with two forwardly projecting curved flanges of unequal extent in the axial direction of said body, said flanges cooperating to partially define an enlarged continuation of the bore of said body, said flanges being spaced to form slots communicating with said bore continuation, a removable core snugly fitting and closing the inner end portion of the bore of said body, and spaced from the wall of the outer end portion of said bore, and carrying at its outer end an outwardly flaring head disposed within the said enlarged continuation of said bore and of greater diameter than that of the bore of said body, the inner end of said core being tubular with lateral outlets leading to the space between said core and the wall of the bore thru said body.

1,637,983. ORCHARD HEATER. JOSEPH CHARLES BECKLEY, Tampa, Fla. Filed Dec. 6, 1924. Serial No. 754,383. 2 Claims. (Cl. 158—91.)



1. In a liquid fuel burner, a shell having a central air inlet opening in its bottom and supported with the opening in spaced relation to the ground, a liquid fuel trough in the bottom and extending around the opening, and an air conduit extending vertically from the bottom and surrounding the opening and provided with an air outlet at its upper end, and having the major portion of its length from its upper end to a point adjacent its lower end imperforate, and its lower end perforated whereby to radiate jets of air over the liquid fuel contained in the trough to generate gas in the lower end of the shell, the major volume of air passing into the conduit being preheated by the imperforate walls of the latter for mixing and burning with the generated gas as the air and gas unite at the upper end of the conduit and thereby insure combustion of substantially all of the volatile products of the gas.

1,637,984. SMOKER'S ARTICLE. GOTTLIEB BESSEMER, Chicago, Ill. Filed Mar. 16, 1925. Serial No. 15,947. 2 Claims. (Cl. 131—12.)



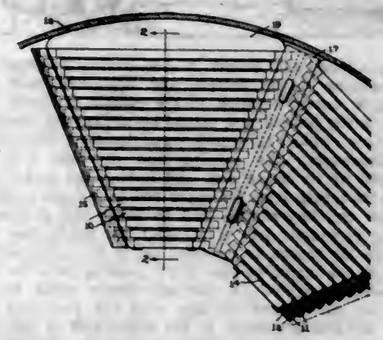
1. A smoker's article including a tobacco bowl, a stem therefor, said stem having a partition therein dividing the same into an inner comparatively small and an outer comparatively large compartment, said stem having a port between the inner compartment and the outer surface of said stem, a sleeve arranged over the stem and with which the port communicates to establish a smoke conveying passage between the stem and the sleeve, a mouth piece having a reduced end, a portion of which is screwed in the outer end of the sleeve and the extremity thereof, arranged for frictional engagement with the bore of the outer passage of the stem, said mouth piece having an outlet smoke port communicating with the said outer compartment of the stem, and having ducts arranged to the opposite sides of the port and establishing smoke passages between the outer end of the sleeve and the outer compartment of the stem.

1,637,985. MERCANTILE CREDIT FORM. DANIEL L. CLINE, Medford, Okla. Filed May 5, 1926. Serial No. 106,856. 2 Claims. (Cl. 283—59.)



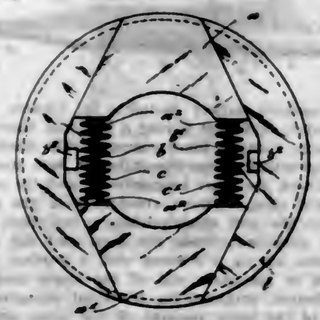
1. For use in a credit system, a check used as one of a series, and having an indication thereon of value of merchandise obtainable on that check, and further having appropriately designated spaces for indicating the total amount of credit extended and the amount of credit used up to and including the check.

1,637,986. SCREEN GRATE FOR BALL MILLS. WILLIAM CURRIE, Carteret, N. J., assignor to Chrome Steel Works, Carteret, N. J., a Corporation of New Jersey. Filed May 20, 1924, Serial No. 714,651. Renewed June 25, 1927. 3 Claims. (Cl. 209—393.)



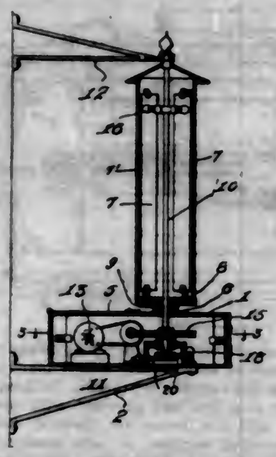
1. A ball mill grate segment consisting of a series of forged hard steel grate bars arranged side by side in spaced relation and having their ends disposed in two sets, and separate cast metal ties each embracing one set of ends.

1,637,987. PISTON. ALEXANDER GARDEN DUNBAR, Glasgow, Scotland. Filed Dec. 5, 1925, Serial No. 73,485, and in Great Britain Jan. 9, 1925. 6 Claims. (Cl. 74—109.)



1. A packing for pistons comprising two diametrically opposite segmental sections of wedge formation, two helical parallel springs acting on said sections, and two diametrically opposite segments to co-operate with said wedge segmental sections.

1,637,988. SIGN. PATRICK D. EGAN, Fort Smith, Ark. Filed Sept. 12, 1925. Serial No. 56,068. 2 Claims. (Cl. 40—33.)



2. In combination, a horizontally disposed elongated casing, means for supporting it adjacent a vertical wall, a horizontal bracket secured to said wall above the casing, and spaced therefrom, a vertically disposed casing rotatably mounted upon the horizontal casing and positioned between the latter and the bracket, display matter in the walls of the upper casing, a shaft arranged centrally within the vertical casing and journaled in the bracket, a bearing for said shaft arranged in the lower casing, an electric motor positioned in the last mentioned casing, a gear carried by said shaft and rotated from said motor, lamps arranged in the upper casing and included in a circuit, a rotary insulating member carried by the shaft and operating within the lower casing, rings carried by said member and electrically connected with said lamps, and brushes supported in contact with said rings and electrically connected with a current supply.

1,637,989. MACHINE FOR MAKING GLASS MOUNTS. CHARLES EISLER, Newark, N. J. Filed Mar. 5, 1926. Serial No. 92,471. 1 Claim. (Cl. 176—3.)

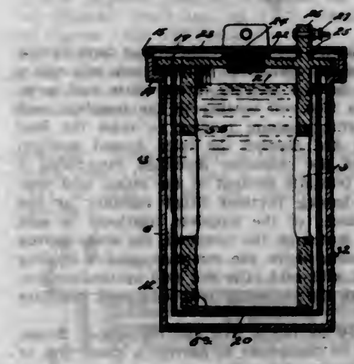


In a head for glass-mount making machines of the type in which portions of suitably held inner and outer tubes are heated at adjacent ends and the joint completed by the operation of a pressing mechanism, the combination with the pressing mechanism of a movable mandrel conical at its end to engage the heated interior surface of the inner tube and means for moving the mandrel in time relation with the pressing mechanism.

1,637,990. RECOVERY OF VALUES FROM NITROCELLULOSE MATERIAL. CARLETON ELLIS, Montclair, and HARRY M. WEBER, Bloomfield, N. J., assignors to Ellis-Foster Company, a Corporation of New Jersey. Filed May 9, 1921. Serial No. 468,139. 14 Claims. (Cl. 252—1.)

1. The process of treating nitrocellulose compounds containing camphor which comprises first forming a complete solution of the nitrocellulose material in aqueous caustic soda material and in subsequently adding to said liquid a liquid solvent for camphor.

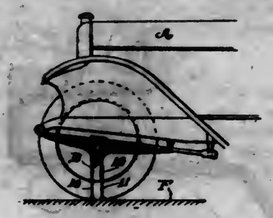
1,637,991. PRIMARY BATTERY. GEORGE S. ENGLE, Washington, D. C. Filed Mar. 6, 1926. Serial No. 92,875. 4 Claims. (Cl. 136—83.)



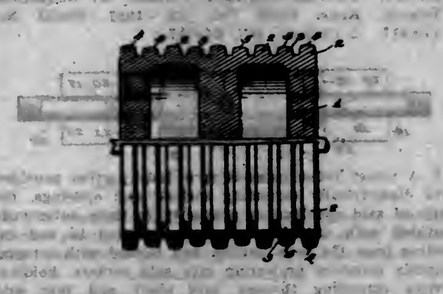
1. In a primary battery, the combination of an outer gray cast-iron element providing the containing means for the battery and having an upper enlarged extremity to provide a circumferential supporting shoulder, an amorphous carbon element of less diameter and length than the cast-iron element, the amorphous carbon element having a top closure member extended outwardly beyond the element to form a supporting flange which is held by the shoulder of the cast-iron element, a fine wire gauze partition interposed between the sides and bottom of the cast-iron and amorphous carbon elements and also having an upper extremity engaging the said shoulder between the flange and the amorphous carbon element and said shoulder, a top cover for the battery provided with a central breathing opening, the top closure of the amorphous carbon element also having a central opening with a fine wire gauze plug inserted therein and forming means for breathing purposes, and a liquid alkaline electrolyte primarily introduced into the amorphous carbon element and passing from the latter through the filtering means to the cast-iron element, the electrolyte being introduced through the opening in the top closure member of the carbon element by removing the said plug.

1,637,992. TWO-PART TIE DOWN. EDWARD S. EVANS, Detroit, Mich. Filed Dec. 10, 1926. Serial No. 153,941. 3 Claims. (Cl. 189—32.)

2. A tie down of the type described comprising two parts formed of elongated material with one part longer than the other part, the longer part being adapted for engagement with a part of an automobile, and an anchoring foot for each part, the meeting ends of the two parts being overlapped and secured together against relative longitudinal movements.



1,637,993. MEANS FOR MATURING AND STABILIZING ROAD STRUCTURES. SAM EVERETT FINLEY, Atlanta, Ga. Filed June 23, 1926. Serial No. 118,048. 2 Claims. (Cl. 94—50.)



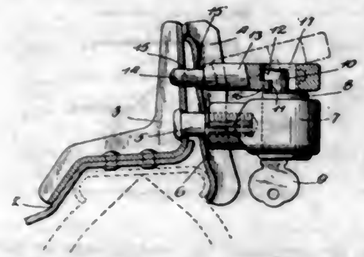
1. Means for maturing and stabilizing composite road structures, comprising a roller having continuous circumferential ribs in spaced relation and alternately varying heights on its periphery, the peripheral face of each rib being curved transversely.

1,637,994. JOINT FOR STUCCO BASES. CHARLES N. FORREST, Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Sept. 23, 1925. Serial No. 58,021. 3 Claims. (Cl. 72—124.)



1. The method of joining gritted bituminous stucco sheets by direct union without intervening reinforcement which comprises applying cement to ungritted edges thereof, and uniting said sheets in planar relation by edge to edge adhesion.

1,637,995. LOCKED-NUT APPARATUS. CLARENCE A. GODSHALK, Philadelphia, Pa. Filed Nov. 23, 1923. Serial No. 676,596. 15 Claims. (Cl. 70—90.)



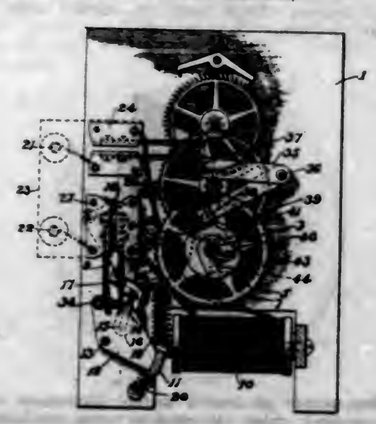
14. The combination with a screw-threaded pin and a nut adapted to engage therewith, of a rigid part spaced transversely from the pin, and a key-operated lock supported in the nut and arranged to unite the nut and the said rigid part and thereby prevent rotation of the former.

1,637,996. POWER ROLLER. HARRY W. GUTTRIDGE, Liberal, Kans. Filed Feb. 25, 1927. Serial No. 170,917. 2 Claims. (Cl. 64—17.)



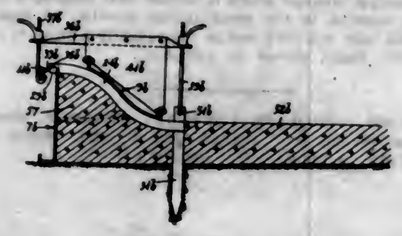
1. A power roller comprising a body portion provided with diametrically extending sockets and openings, the walls of said openings in proximity to their outer ends provided with shoulders, a shaft mounted in and extending from the body portion and formed with integral coupling members projecting into said sockets, holdfast devices extending through said shaft and into said openings and further abutting against the shoulders formed on the walls of the openings, said coupling members of a length to have their outer ends positioned inwardly of the outer ends of said sockets.

1,637,997. ELECTRIC SELF-WINDING CLOCK. CLAYTON S. HAM, San Francisco, Calif., assignor to Aaron Turner, Oakland, Calif. Filed Jan. 17, 1925. Serial No. 3,073. 11 Claims. (Cl. 185—40.)



1. A self-winding spring-operated mechanism comprising the combination of a shaft and a coil spring having one end secured to the shaft, means loosely mounted on the shaft and having the other end of the spring connected thereto, electrically operated means cooperating with the first mentioned means to wind the spring, a switch for controlling the electrically operated means, means automatically operated by the shaft for closing the switch, and means cooperating with the first mentioned means for positively assuring that the switch will remain closed until the spring has been wound a predetermined amount.

1,637,998. CURB AND GUTTER FORM. JOHN N. HELTZEL, Warren, Ohio. Filed Jan. 31, 1927. Serial No. 164,820. 28 Claims. (Cl. 25—118.)



1. A holding device for a curb and gutter form having members adapted for connection with a back rail and a template of the form, a member intermediate said members to engage a face rail bearing on the template, and means for applying pressure tending to raise the first named members and depress the third named member.

25. A form of the character described comprising a rail, a stake, a template secured to the stake, said template and rail having portions fitted together by the downward movement of the template relatively to said rail, a face rail seated on the template, the stake having a portion extending above the template, and a holding device connected with said rails and said upstanding portion of the stake for clamping said rails and template together.

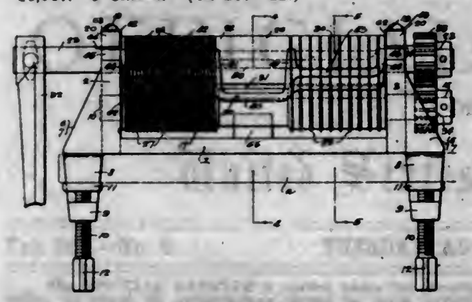
28. A form rail having a web and an uppper flange, with said flange so formed as to provide a single line of wheel contact directly above the web.

1,637,999. WHEEL ATTACHMENT FOR SLEDS. PAUL KILLINGER, Shippensburg, Pa. Filed Mar. 8, 1926. Serial No. 93,296. 1 Claim. (Cl. 280—8.)



In combination with a sled having a body, runners, a cross bar connecting the forward ends of said runners, a handle bar above said cross bar, and a pivot pin connecting the handle bar with the cross bar, a turning bar rigidly secured to said handle bar and extending rearwardly therefrom at its point of pivotal mounting and projected downwardly, a brace pivoted to the forward end of said body and projecting forwardly over the forward end of said turning bar, said pin being extended through the forward end of said brace, wheel mountings pivotally mounted at opposite sides of the sled, arms extending forwardly from said mountings, a bar connecting said arms, and links connected to said connecting bar and extending forwardly and upwardly therefrom in converging relation to each other and connected to the rear end portion of said turning bar.

1,638,000. MACARONI MACHINE. GIULIO MERLONETTI, West Chester, Pa. Filed Feb. 16, 1926. Serial No. 88,647. 6 Claims. (Cl. 107—22.)

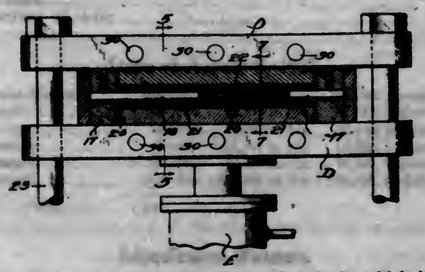


1. In a macaroni machine, the combination of a pair of co-operating rolls divided respectively into a sheet rolling section and a strip cutting section.

1,638,001. LIGHT-WEIGHT GYPSUM PRODUCT. HARRY E. BROOKBY, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 19, 1922. Serial No. 583,040. 6 Claims. (Cl. 106—20.)

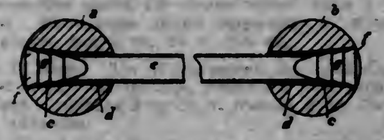
1. A dried light-weight cellular gypsum product comprising hydrated plaster of Paris as the major ingredient, and voids left by the contraction and drying of calcium caseinate contained therein.

1,638,002. METHOD OF MAKING PENCIL BODIES AND THE LIKE. JOHN P. LYNN, Chicago, Ill. Filed Aug. 4, 1926. Serial No. 126,977. 7 Claims. (Cl. 18—59.)



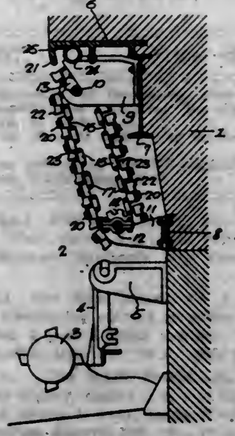
1. The method of forming a pencil body in which is a lined axial chamber at each end, which consists in extending a pair of aligned mandrels between a pair of die molds, in fitting upon each mandrel a sleeve, in placing between the molds on opposite sides of the sleeves strips of fusible material, and in then applying pressure and heat to the dies whereby to fuse in one operation the strips of material into an integral body in which the sleeves form linings for the end chambers thereof, substantially as described.

1,638,003. APPLIANCE FOR BODILY EXERCISE. BRUNO NEUMANN, Nuremberg, Germany. Filed Aug. 14, 1926, Serial No. 129,219, and in Germany Sept. 2, 1925. 1 Claim. (Cl. 272—79.)



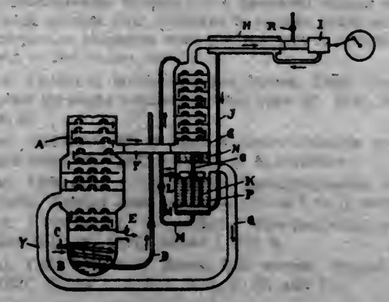
An appliance for bodily exercise, comprising in combination a rubber tube serving as an extensible member; two ball-shaped grips at either end of the said member; a bore provided in each of said grips and being partly cylindrical and partly outwardly flared; conical plugs provided with grooves fitted in the tube and adapted to serve as wedge members for fixing the extensible member in the said ball-shaped grips.

1,638,004. PROTECTIVE CURTAIN FOR FURNACES. JOHN L. SCHULTZ, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 3, 1923. Serial No. 649,237. 16 Claims. (Cl. 110—165.)



1. The combination in a furnace of a movable curtain structure positioned to constitute a portion of the furnace lining; and means for cooling said curtain structure.

1,638,005. PROCESS OF SEPARATION OF THE ELEMENTS OF AIR OR OF OTHER GASEOUS MIXTURES BY LIQUEFACTION AND RECTIFICATION. JEAN LE ROUGE, Boulogne, France, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Filed July 21, 1922, Serial No. 576,612, and in France Aug. 12, 1921. 22 Claims. (Cl. 183—115.)



1. A method of separating the constituents of a ternary gaseous mixture liquefying at low temperatures, which comprises subjecting the gaseous mixture to a primary rectification, withdrawing therefrom a gaseous mixture impoverished in the most volatile constituent, introducing this mixture in the gaseous phase to an auxiliary rectification, withdrawing the gaseous product of the auxiliary rectification, separating a portion of the most volatile constituent from the gaseous product, liquefying the remaining vapors and utilizing the liquid produced in the auxiliary rectification.





Patents Nos. 1,638,006 to 1,638,816.

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Labels	49	No. 32,524 to No. 32,572,	inclusive.
Prints	14	No. 10,099 to No. 10,112,	inclusive.
Reissues	9	No. 15,694 to No. 15,702,	inclusive.
Designs	31	No. 72,217 to No. 72,247,	inclusive.
Patents	811	No. 1,638,006 to No. 1,638,816,	inclusive.
Total	1,196		

Adjudicated Patents.

(C. C. A. N. Y.) The Murray patent, No. 956,185, for electric cut-out, claim 5 *Held* valid and infringed. *Metropolitan Device Corporation* v. *Williamsburg Electric Supply Co.*, 19 F. (2d) 442.

(C. C. A. N. Y.) The Palmer patent, No. 993,099, for electric-meter connection block in meter switch box, claim 3 *Held* valid and infringed and claim 6 *Held* not infringed. *Metropolitan Device Corporation* v. *Williamsburg Electric Supply Co.*, 19 F. (2d) 442.

(C. C. A. N. Y.) The Palmer patent, No. 1,023,268, for case for electric-meter connection blocks, claim 4 *Held* valid and infringed. *Metropolitan Device Corporation* v. *Williamsburg Electric Supply Co.*, 19 F. (2d) 442.

(C. C. A. N. Y.) The Palmer patent, No. 1,036,217, for protective casing for electric meter, claim 1 *Held* invalid. *Metropolitan Device Corporation* v. *Williamsburg Electric Supply Co.*, 19 F. (2d) 442.

(D. C. Mich.) The Welch patent, No. 1,058,218, for method of finishing castings, claims 1–3 *Held* valid and infringed. *American Plug Co.* v. *Hudson Motor Car Co.*, 19 F. (2d) 609.

(C. C. A. Calif.) The Crumrine patent, No. 1,099,281, for a fruit package, claim 3 *Held* invalid. *California Fruit Growers' Exchange* v. *Blake, Moffitt & Towne*, 19 F. (2d) 476.

(D. C. Conn.) The Kulp patent, No. 1,230,542, for a valve-spring lifter, claims 1–4 *Held* valid and infringed. *Kulp* v. *Bridgeport Hardware Mfg. Corporation*, 19 F. (2d) 689.

(D. C. Ill.) The Wahl patent, No. 1,479,496, for application of alternating current to power of driving hair clipper, claims 1 and 2 *Held* invalid. *Wahl* v. *N. E. Norstrom Electric Mfg. Co.*, 19 F. (2d) 544.

(D. C. Ill.) The Wahl patent, No. 1,487,189, for electrical hair clipper, claims 2, 5, and 22 *Held* valid and infringed and claims 4, 9–11, 15–22 *Held* invalid. *Wahl* v. *N. E. Norstrom Electric Mfg. Co.*, 19 F. (2d) 544.

(D. C. Md.) The Gibbs patent, No. 1,540,690, for animal traps, claims 14 and 15 *Held* invalid and claim 16 *Held* valid and infringed. *Gibbs* v. *Montgomery Ward & Co.*, 19 F. (2d) 613.

(C. C. A. Kans.) The Crouse reissue patent, No. 15,432, for liquid-dispensing device, claim 5 *Held* not infringed. *Wichita Visible Gasoline Pump Co.* v. *Clear Vision Pump Co.*, 19 F. (2d) 435.

Adverse Decisions in Interference.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,516,020, McGlashan and Mayes, Body construction and toe-board bracket, decided June 27, 1927, claims 5 and 10.

Pat. 1,562,632, W. Weller, Voltage-regulating system, decided June 16, 1927, claims 1 to 3, inclusive.

Pat. 1,506,886, A. C. Stanley, Speed-increasing means for boats, decided June 29, 1927, claims 1 to 5 inclusive.

Pat. 1,603,144, S. D. Nichols, Shoe-fastening means, decided July 12, 1927, claims 1 and 2.

Pat. 1,606,590, L. L. Jones, Call system, decided July 22, 1927, claims 1, 2, 3, 4, 6, 7, 8, 10, and 11.

Final decisions in interferences have been rendered against the following trade-marks:

T. M. 109,423, Eggs in cartons and cases, C. Schultz, New York, N. Y. Registered April 4, 1916. Decided July 2, 1927.

T. M. 186,811, Liquid for removing stains from wearing apparel, J. W. Rice, doing business as National Petroleum Products Company, San Francisco, Calif. Registered July 8, 1924. Decided June 23, 1927.

T. M. 198,086, Radio receiving sets, Triangle Electric Co., Chicago, Ill. Registered May 5, 1925. Decided June 23, 1927.

Condition of Applications Under Examination at Close of Business July 29, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 66,883; Trade-Mark Division, 1,751. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application awaiting office action.	Oldest amended application awaiting office action.	No. of applications awaiting action.
		New.	Amended.	
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 11	Apr. 22	665
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Mar. 29	Mar. 29	893
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working	Mar. 1	Mar. 16	1,614
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling	Jan. 13	Feb. 3	1,668
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Feb. 16	Feb. 21	992
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Jan. 6	Jan. 13	1,570
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 10	Feb. 9	1,384
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Stove Furniture	Mar. 3	Mar. 5	1,799
221	9. ADAMS, E. E., Pumps; Fluid and Fluid-Current Motors	Apr. 23	Apr. 26	799
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 12	Feb. 14	1,268
146*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars	Mar. 31	Apr. 1	940
380	12. PIERCE, P. P., Machine Elements	Feb. 1	Feb. 7	1,280
154*	13. OLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling	Feb. 12	Feb. 21	1,501
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes	Feb. 5	Feb. 25	1,289
220	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 19	Feb. 25	1,555
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Mar. 23	Apr. 1	770
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting	Jan. 21	Jan. 26	746
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 31	Jan. 29	1,035
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 20	Apr. 22	942
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Apr. 14	Apr. 11	990
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 23	Mar. 1	1,004
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion	Feb. 4	Jan. 20	1,015
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism	Jan. 17	Feb. 9	888
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 10	Feb. 1	1,028
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors	Mar. 9	Feb. 23	1,297
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Jan. 14	Feb. 1	1,011
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus	Apr. 1	Apr. 4	873
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 1	Mar. 11	1,220
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools	Jan. 17	Jan. 24	1,232
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats	Feb. 1	Mar. 17	1,170
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue	Feb. 9	Feb. 3	1,853
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 7	Mar. 5	1,218
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings	Apr. 21	Apr. 16	1,469
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders	Jan. 28	Jan. 25	984
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet	Apr. 6	Apr. 11	1,210
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 22	Apr. 23	1,079
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 7	Feb. 10	1,509
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stonecutting; Wells	Mar. 21	Mar. 9	1,174
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 10	Mar. 8	811
259	40. OBERLIN, J. J., Beverages; Bottles and Jars; Package and Article Carriers; Receptacles	Feb. 5	Feb. 12	2,105
125	41. BROWN, J. J., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	757
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 24	Jan. 14	1,434
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances	Feb. 24	Feb. 24	1,205
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration	Jan. 29	Feb. 3	1,271
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Apr. 4	Apr. 5	925
233	46. WOLCOTT, O. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers	Mar. 1	Feb. 25	1,006
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices	Feb. 26	Mar. 11	1,518
213*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 3	Feb. 5	1,092
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification	Jan. 15	Feb. 10	1,047
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 12	Mar. 14	1,636
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 13	Jan. 14	1,482
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Sealocks; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings	Mar. 26	Mar. 26	1,178
209	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens	Mar. 26	Apr. 2	1,284
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,964
102	55. RICHARD, V. I. (Acting)...{Bread, Pastry, and Confection Making; Cutlery	Jan. 22	Feb. 16	692
	{Designs	June 11	June 17	592
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND{Trade-Marks	June 30	July 15	1,010
	{Labels and Prints	July 9	July 18	141

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Amendments to the Rules of Practice.

Department of Commerce,
United States Patent Office,
Washington, July 28, 1927.

The Rules of Practice of the Patent Office are amended as follows.

THOMAS E. ROBERTSON,
Commissioner.

Rule 30, line 5, after "$20" insert *and $1 for each claim in excess of twenty;* line 7, cancel "(See rule 49.)" and insert (*See rules 49 and 173.*)

Rule 31, cancel the last paragraph and insert:

The application must be completed and prepared for examination within six months, as indicated above, and in default thereof, or upon the failure of the applicant to prosecute the same within six months after any action thereon (rule 77), of which notice shall have been duly mailed to him or his agent, the application will be regarded as abandoned, unless it shall be shown to the satisfaction of the Commissioner that such delay was unavoidable. (See rules 171 and 172.)

Where the day, or the last day, fixed by statute for taking any action or paying any fee falls on Sunday, or on a holiday within the District of Columbia, the action may be taken, or the fee paid, on the next succeeding secular or business day.

Rule 60, line 5, cancel "of less than one year's standing".

Rule 63, after paragraph (*d*) insert:

Where an applicant copies claims from a patent and the Examiner is of the opinion that he can make none of these claims, he should state in his action why he can not make the claims and set a time limit, not less than twenty days, for reply. If, after response by the applicant, the rejection is made final, a similar time limit should be set for appeal. Failure to respond or appeal, as the case may be, within the time fixed, will, in the absence of a satisfactory showing, be deemed a disclaimer of the invention claimed. (See rule 94.)

Cancel paragraph (*f*), effective January 1, 1928.

Cancel the last paragraph of the rule and insert:

Applications will not be advanced for examination excepting upon order of the Commissioner either to expedite the business of the Office or upon a verified showing which in the opinion of the Commissioner will justify so advancing it.

Rule 64, last paragraph, line 3, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 68, second paragraph, line 2, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 77, cancel first paragraph and insert:

77. If an applicant neglects to prosecute his application for six months after the date when the last official notice of any action by the Office was mailed to him, the application will be held to be abandoned, as set forth in rule 171.

Third paragraph, line 4, cancel "one year" and insert *six months.*

Rule 94, after first paragraph insert:

Where claims are copied from a patent and the Examiner is of the opinion that the applicant can make only some of the claims so copied, he shall notify the applicant to that effect, state why he is of the opinion he can not make the other claims and state further that the interference will be promptly declared and that the applicant can proceed under rule 109, if he further desires to contest his right to make the claims not included in the declaration of the interference.

Rule 109, last paragraph, after line 4, insert:

Any party to an interference may bring a motion to substitute any other application owned by him, as to the existing issue, or to include an application or a patent owned by him, as to claims which he deems should be made the basis of interference between himself and any of the other parties.

Rule 124, lines 6 and 7, cancel "Examiners in Chief in the first instance" and insert *Board of Appeals.*

Rule 126, lines 1 and 2, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 133, line 18, cancel "$10" and insert *$15;* line 19, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 134, last line, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 135, line 5, cancel "Examiners in Chief" and insert *Board of Appeals.*

Rule 136, cancel.

Rule 137, cancel and insert therefor:

137. On filing of an appeal to the Board of Appeals a day of hearing will be fixed and due notice thereof given to the appellant. He shall on or before the day of hearing file a brief of the authorities and arguments on which he will rely to maintain his appeal.

Rule 139, cancel and insert therefor:

139. The Board of Appeals in its decision shall affirm or reverse the decision of the Primary Examiner only on the points on which appeal shall have been taken. (See rule 133.) Should it discover any apparent grounds not involved in the appeal for granting or refusing Letters Patent in the form claimed, or in any other form, it shall include in its decision a statement to that effect with its reasons for so holding.

This statement of the Board of Appeals, if adverse to applicant's right to a patent, will reopen the case for amendment or showing of facts, or both, before the Primary Examiner responsive thereto. The statement shall be binding upon the Primary Examiner unless an amendment or showing of facts not previously of record be made which, in the opinion of the Primary Examiner, avoids the additional grounds for refusal of the patent stated in the decision.

The applicant may waive the right to further prosecution before the Primary Examiner and have the case reconsidered by the Board of Appeals upon the same record. Where request for such reconsideration is made the Board of Appeals shall render a new decision which shall include all grounds upon which a patent is refused. The applicant may waive reconsideration by the Board of Appeals and treat the decision, including the added grounds for refusal of a patent given by the Board of Appeals, as a final decision in the case.

Should the decision of the Board of Appeals include a statement that the patent may be granted in amended form, applicant shall have the right to amend in conformity with such statement, which shall be binding on the Primary Examiner in the absence of new references or grounds of rejection.

Cases in which appeals were pending and heard before the Examiners in Chief prior to May 2, 1927, and in which appeal was taken from their decision to the Commissioner will be governed by the rules in effect on March 2, 1927.

Rule 140, cancel and insert therefor:

140. Cases which were decided by the Examiners in Chief or which have been decided by the Commissioner or by the Board of Appeals will not be reopened by the Primary Examiner, except under the provisions of rule 139, without the written authority of the Commissioner, and then only for the consideration of matters not already adjudicated upon, sufficient cause being shown (rule 68).

Rule 143, lines 2 and 3, cancel "Examiners in Chief and to the Commissioner" and insert *Board of Appeals.*

Rule 148, line 1, cancel "Commissioner" and insert *Board of Appeals.*

Rule 149, at the end thereof add the following:

If an applicant in an ex parte case appeals to the Court of Appeals of the District of Columbia he waives his right to proceed under section 4915 R. S.

If a defeated party to an interference proceeding appeals to the Court of Appeals of the District of Columbia, his appeal will be dismissed if any adverse party to the interference shall, within twenty days after the appellant shall have filed notice of the appeal to the court, file notice with the Commissioner that he elects to have all further proceedings conducted as provided in section 4915 R. S. The notice of election must be served as provided in rule 154 (*b*) (see rule 153 (*a*)). If the appellant files a bill under section 4915 R. S. within thirty days after the notice of election, and files due proof thereof with the Commissioner of Patents, the issue of a patent to the party awarded priority by the Board of Appeals will be withheld pending final determination of the proceeding under section 4915 R. S.

From adverse decisions by the Board of Appeals, in both ex parte and contested cases, the appellant has the option of proceeding under section 4915 R. S. instead of appealing directly to the Court of Appeals of the District of Columbia.

Rule 151, lines 1, 2, and 3, cancel "Commissioner at 10 o'clock a. m., and by the Board of Examiners in Chief at 1 o'clock p. m." and insert *Board of Appeals at the hour stated in the notice.*

Rule 153, line 5, after "office." insert:

A statement of the attorney attached to or appearing on the original papers when filed clearly stating the time and manner in which service was made will be accepted as prima facie proof of service.

Rule 166, line 4, cancel "one year" and insert *six months*.

Rule 171, lines 3 and 4, and line 5, cancel "one year" and insert *six months*.

Rule 175, cancel the last two sentences and insert therefor:

But any renewal application must be made within one year after the allowance of the original application. (If the notice of allowance is dated prior to May 2, 1927, the period is two years.)

Rule 191, cancel lines 3, 4, and 5, and insert therefor:

On filing each original application for a patent having	
20 claims, or less, except in design cases	$20.00
For each additional claim	1.00
On filing each renewal application for a patent having	
20 claims, or less, except in design cases	20.00
For each additional claim	1.00
On issuing each original patent having	
20 claims, or less, except in design cases	20.00
For each additional claim	1.00

Lines 12 and 13, cancel "Examiners in Chief" and insert Board of Appeals; line 13, cancel "10.00" and insert 15.00; after line 13, insert,

On every appeal from the Examiner of Interferences to the Board of Appeals	25.00

Line 33, after "photo prints" insert or photostats; line 64, cancel "5.00" and insert 10.00; line 68, cancel "$5" and insert $10; line 73, cancel ".10" and insert .25; line 75, cancel ".05" and insert .10; after line 76, insert

Annual index relating to patents	1.00
Annual index relating to trade-marks	.50

Rule 196, second paragraph, line 2, cancel "$5" and insert $10; line 4, cancel "10" and insert 25; lines 9 and 10, cancel "which is sent to all subscribers without additional cost" and insert in two parts—one on patents, price $1.00, and the other on trade-marks, price 50 cents.

Patent Suits.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

637,723. (See 969,132.)

886,618, 914,588, J. H. Lubbers, Glass-drawing apparatus; 1,020,920, same, Method of drawing glass articles; 890,306, L. R. Schmertz, Taking-down apparatus for glass cylinders; 890,317, L. O. Wadsworth, same; 922,973, L. A. Thornburg, Glass-drawing machine; 988,454, R. L. Frink, Glass pot and kiln; 1,073,613, O. E. Maynard, Glass-drawing and take-down apparatus; 1,102,803, J. H. Roadiman, Take-down sling for handling glass cylinders, appeal filed May 8, 1926, 3d Cir., Doc. 3495, *Window Glass Machine Co. et al* v. *Pittsburgh Sheet Glass Co.* Decree reversed (notice dated June 15, 1927).

890,306. (See 886,618.)

890,317. (See 886,618.)

900,366, Goldschmidt & Lange, Process of uniting metals; 1,075,709, H. Goldschmidt, Manufacture and use of ferrosoferric oxide; 1,153,435, F. Lange, Method of uniting railway rails, appeal filed Oct. 1, 1926, 3d Cir., Doc. 3558, *Alumino-Thermic Corp. et al.* v. *Goldschmidt Thermit Co.*

914,588. (See 886,618.)

922,973. (See 886,618.)

969,132, S. R. Conroy, Rail joint; 637,723, F. T. Fearey, same, filed May 3, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7075, *S. R. Conroy* v. *The Rail Joint Co. et al.*

988,454. (See 886,618.)

1,018,502, Just & Hanaman, Incandescent body for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, filed May 20, 1927, D. C. N. J., Doc. E 2686, *General Electric Co.* v. *Corbin Mfg. Co. et al.* Same, D. C., S. D. N. Y., Doc. E 41/365, *General Electric Co.* v. *E. Ohauvin (Incandescent Lamp Service Co.)*. Consent decree sustaining patents June 17, 1927.

1,020,920. (See 886,618.)

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system; 1,239,852, F. K. Vreeland, Receiver of electrical impulses; 1,245,166, same, Method of transmitting and receiving high-frequency signal impulses, filed Mar. 23, 1927, D. C., S. D. N. Y., Doc. E 41/70, *Westinghouse Electric & Mfg. Co. et al* v. *Heins & Bolet, Inc.* Consent decree sustaining patents June 7, 1927.

1,050,728. (See 1,050,441.)

1,060,190 (a), 1,072,471, 1,073,050, 1,103,589, Des. 43,459, Kellner & Worms, Knitted necktie; 1,072,734, 1,072,856, same, Process of knitting neckties, filed Oct. 21, 1922, D. C., S. D. N. Y., Doc. E 25/44, *Franklin Knitting Mills, Inc.*, v. *The Yorke Shirt Co., Inc.* Discontinuance by consent June 10, 1927.

1,060,190 (b), 1,072,471, 1,073,050, 1,103,589, Kellner & Worms, Knitted necktie; 1,072,734, 1,072,856, same, Process of knitting necktes, filed May 29, 1926, D. C., S. D. N. Y., Doc. E 32/180, *Franklin Knitting Mills, Inc.*, v. *Wallach Bros., Inc.* Discontinuance by consent June 10, 1927.

1,071,080, 1,127,498, P. C. Oscanyan, Game board, appeal filed Feb. 11, 1927, 3d Cir., Doc. 3602, *Star Ball Player Co.* v. *The Playograph Co.* Decree affirmed (notice dated June 15 1927).

1,072,471. (See 1,060,190 (a) and (b).)

1,072,734. (See 1,060,190 (a) and (b).)

1,072,856. (See 1,060,190 (a) and (b).)

1,073,050. (See 1,060,190 (a) and (b).)

1,073,613. (See 886,618.)

1,075,709. (See 900,366.)

1,097,320, P. C. Hewitt, Method of electrical transmission; 1,157,779, same, Means for suppressing the resistance of the negative electrode flame in vapor electric apparatus; 1,197,628, same, Regulation of electrical distribution system, filed June 15, 1927, D. C., S. D. N. Y., Doc. 42/90, *Cooper Hewitt Electric Co.* v. *D. C. Link (U. V. R. Laboratories)*.

1,102,803. (See 886,618.)

1,103,589. (See 1,060,190 (a) and (b).)

1,113,149. (See 1,050,441.)

1,127,498. (See 1,071,080.)

1,131,161, 1,196,721, C. F. Root, Safety device, filed June 16, 1927, D. C., S. D. N. Y., Doc. E 42/94, *C. F. Root et al.* v. *S. Cupples Envelope Co et al.*

1,134,084, J. P. Gardner, Body-treatment machine; 1,161,767, D. Geraldine, Mechanical massaging apparatus, filed May 3, 1916, D. C. Calif. (Los Angeles), Doc. E 32-C, *The Reducing Machine Co.* v. *T. W. Hensley.* Bill dismissed Jan. 14, 1927.

1,153,435. (See 900,366.)

1,157,779. (See 1,097,320.)

1,161,767. (See 1,134,084.)

1,177,128, M. E. Moeller, Hydrometer, 3d Cir., Doc. 3555, *A. E. Moeller* v. *Scranton Glass Instrument Co., Inc.* Decree reversed (notice dated June 15, 1927).

1,180,159. (See 1,018,502.)

1,192,336, S. Mueller, Machine for folding noodles; 1,217,891, same, Method of folding noodles, 2d Cir., Doc. 9608, *C. F. Mueller Co.* v. *Clermont Machine Co., Inc.* Decree affirmed June 16, 1927.

1,196,721. (See 1,131,161.)

1,197,628. (See 1,097,320.)

1,198,246, 1,325,727, G. A. Lyon, Buffer for motor vehicles; 1,266,836, same, Supporting device for automobile buffers, filed Sept. 9, 1921, D. C., S. D. N. Y., Doc. E 22/148, (*G. A. Lyon*) *American Chain Co., Inc.*, v. *Coe Brass Mfg. Co. et al.* Consent decree sustaining patents (notice dated June 10, 1927).

1,203,312, W. M. Cross, Apparatus and process of treating hydrocarbons and products derived therefrom; 1,423,500, 1,437,229, R. Cross, Process of treating petroleum, filed May 4, 1925, D. C. Del., Doc. E 571, *Gasoline Products Co., Inc.*, v. *American Refining Co., Inc.* Patent 1,423,500 held valid and infringed, bill dismissed as to Patents 1,203,312 and 1,437,229 June 7, 1927.

1,217,891. (See 1,192,336.)

1,220,088, Des. 48,957, C. W. White, Child's toy vehicle, 2d Cir., Doc. 9556, *H. C. White Co.* v. *M. E. Converse & Son Co. et al.* Decree modified (notice dated June 9, 1927).

1,239,852. (See 1,050,441.)

1,245,166. (See 1,050,441.)

1,260,584, 1,288,711, L. Q. Sherman, Method of and apparatus for distilling petroleum and the like; 1,585,233, filed May 4, 1927, D. C., N. D. Ill. (E. Div.), Dec. 7076, *Doherty Research Co.* v. *Universal Oil Products Co.*

1,266,836. (See 1,198,246.)

1,271,527, M. C. Hopkins, Sound-regenerating machine; 1,271,529, same, Acoustic device, 3d Cir., Doc. 3603, *Lektophone Corp.* v. *Brandes Products Corp.* Decree reversed (notice dated June 15, 1927).

1,271,529. (See 1,271,527.)

1,288,711. (See 1,260,584.)

1,307,733 (a), A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; Re. 14,667, F. D. Winkley, Lubricating system, filed June 8, 1927, D. C. Md. (Baltimore), Doc. E 1274, *The Bassick Mfg. Co.* v. *The H. & H. Sales Co.*

1,307,733 (b), A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Sept. 18, 1926, D. C., E. D. Okla. (Muskogee), Doc. E 3498, *The Bassick Mfg. Co.* v. *J. M. Moore.*

1,307,733 (c), A. V. Gullborg, Lubricating apparatus; 1,475,980, O. Zerk, Lubricating apparatus; Re. 14,667, F. D. Winkley, Lubricating system, filed June 8, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2068, *The Bassick Mfg. Co.* v. *Michigan Automotive Supply Co.*

1,307,734. A. V. Gullborg, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus; Re. 14,667, F. D. Winkley, Lubricating system, filed May 31, 1927, D. C. Del., Doc. E 647, *The Cincinnati Ball Crank Co.* v. *The Bassick Mfg. Co.*

1,307,734. (See 1,307,733 (a) and (b).)

1,320,354, 1,327,263, J. H. Adams, Oil-converting process; 1,320,727, same, Apparatus and method for the conversion of liquids, fluids, oils, etc., filed June 13, 1927, D. C., S. D. Tex. (Houston), Doc. E 307, *The Texas Co.* v. *Houston Oil Co. of Texas.* Same, filed June 14, 1927, D. C., N. D. Okla. (Tulsa), Doc. E 251, *The Texas Co.* v. *Producers & Refiners Corp.*

1,320,727. (See 1,320,354.)

1,325,727. (See 1,198,246.)

1,327,263. (See 1,320,354.)

1,331,165. (See 1,177,128.)

1,335,665, W. P. Deppe, Internal-combustion engine; 1,360,098, same, Superheater manifold for internal-combustion engines, 3d Cir., Doc. 3581, *General Motors Corp.* v. *W. P. Deppe et al.* Decree reversed (notice dated June 15, 1927).

1,360,098. (See 1,335,665.)

1,360,256, 1,528,178, R. Anderson, Can opener, filed Apr. 20, 1925, D. C., S. D. N. Y., Doc. E 32/6, *Star Can Opener Co.* v. *N. E. Wales et al.* (*Wales-Wilson Products Co.*). Decree sustaining patents June 15, 1927.

1,373,186, 1,427,366, 1,493,255, G. H. Forsyth, Disk wheel; 1,577,047, Re. 15,358, A. L. Putnam, Vehicle wheel; 1,496,010, same, Disk wheel; 1,402,029, 1,402,032, 1,452,772, W. E. Williams, Metal disk wheel; 1,402,031, 1,416,149, same, Disk wheel; 1,427,926, same, Demountable wheel; 1,439,460, same, Reinforced disk wheel; 1,591,501, R. A. Allison, Disk wheel; 1,611,975, same, Concave disk wheel, filed June 9, 1927, D. C., E. D. Mich. (S. Div.), Doc. 2077, *Steel Wheel Corp.* v. *Hayes Wheel Co.*

1,388,898, Schmidt & Schmidt, Carcass dehairing and cleaning machine; 1,388,999, O. C. Schmidt, same, filed June 8, 1927, D. C., W. D. Okla. (Guthrie), Doc. E 859, *The Cincinnati Butchers' Supply Co.* v. *The W. H. Butcher Packing Co.*

1,388,999. (See 1,388,898.)

1,402,029. (See 1,373,186.)

1,402,031. (See 1,373,186.)

1,402,032. (See 1,373,186.)

1,403,439, O. W. Mott, Wheel; 1,601,455, C. F. Rubsam, same, filed June 7, 1927, D. C., E. D. Mich. (Detroit), Doc. 2067, *Rubsam Corp.* v. *Hayes Wheel Co.*

1,416,149. (See 1,373,186.)

1,423,500. (See 1,203,312.)

1,423,956, Mitchell & White, Tipless incandescent lamp, etc.; 1,423,957, same, Stem-making machine, 3d Cir., Doc. 3571, *General Electric Co.* v. *C. Eisler et al.* Decree affirmed (notice dated June 15, 1927).

1,423,957. (See 1,423,956.)

1,427,366. (See 1,373,186.)

1,427,926. (See 1,373,186.)

1,437,229. (See 1,203,312.)

1,439,460. (See 1,373,186.)

1,452,772. (See 1,373,186.)

1,475,980. (See 1,307,733 (a) and (c).)

1,481,451, 1,516,130, E. J. Wirfs, Gasket, 8th Cir. (St. Louis), Doc. 7629, *E. J. Wirfs* v. *D. W. Bosley Co. et al.* Decree affirmed June 8, 1927. Doc. 7630, *D. W. Bosley Co. et al.* v. *E. J. Wirfs.* Order granting district court leave to open case and hear further evidence June 8, 1927.

1,493,255. (See 1,373,186.)

1,496,019. (See 1,373,186.)

1,516,130. (See 1,481,451.)

1,528,178. (See 1,360,256.)

1,577,047. (See 1,373,186.)

1,585,233. (See 1,260,584.)

1,591,501. (See 1,373,186.)

1,601,455. (See 1,403,439.)

1,611,975. (See 1,373,186.)

Re. 13,436, F. G. Perkins, Glue and method of making same, filed May 18, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7117, *Perkins Glue Co.* v. *Gulbransen Co. et al.*

Re. 14,667. (See 1,307,733 (a) and (c).)

Re. 14,680, E. F. Guth, Lighting fixture, 8th Cir. (St. Louis), Doc. 7445, *The Reflectolyte Co.* v. *Luminous Unit Co.* Decree reversed June 10, 1927. Doc. 7548, *Luminous United Co.* v. *The Reflectolyte Co.* Dismissed June 10, 1927.

Re. 15,358. (See 1,373,186.)

T. M. 53,937, T. M. 53,938, Schulke & Mayr, Disinfectants and antiseptics; T. M. 128,764, T. M. 135,729, Lehn & Fink, Inc., same; T. M. 137,640, same, Antiseptics, shaving creams, soaps, etc.; T. M. 225,545, Lysol, Inc., same; T. M. 224,321, same, Antiseptics and disinfectants, filed May 27, 1927, D. C., S. D. Tex. (Houston), Doc. E 305, *Lysol, Inc.* v. *M. Kendall (Park Ave. Pharmacy)*. Same, filed June 17, 1927, D. C., E. D. Tenn. (Greenville), Doc. E 42, *Lysol, Inc.*, v. *S. E. Massengill.*

T. M. 53,938. (See T. M. 53,937.)

T. M. 128,764. (See T. M. 53,937.)

T. M. 135,729. (See T. M. 53,937.)

T. M. 137,640. (See T. M. 53,937.)

T. M. 224,321. (See T. M. 53,937.)

T. M. 225,545. (See T. M. 53,937.)

Des. 43,459. (See 1,060,190 (a).)

Des. 48,957. (See 1,220,038.)

Des. 72,164, Des. 72,165, Des. 72,166, Des. 72,221, S. N. Mallouk, Lace table cover; Des. 72,227, Des. 72,228, Des. 72,229, Des. 72,230, Des. 72,231, Des. 72,232, Des. 72,233, Des. 72,234, same, Lace cover; Des. 72,219, same, Lace doily; Des. 72,167, Des. 72,226, Des. 72,268, same, Lace tray cover; Des. 72,169, Des. 72,170 Des. 72,171, Des. 72,271, Des. 72,272, same, Lace scarf, filed May 27, 72,222, Des. 72,223, Des. 72,225, same, Lace mat; Des. 72,168, Des. 72,224, Des. 72,235, Des. 72,269, Des. 72,270, Des. 72,271, Des. 72,272, same, Lace scarf, filed May 27, 1927, D. C., S. D. N. Y., Doc. E 42/11, *S. N. Mallouk* v. *T. K. Malouf*. Consent decree sustaining patents June 3, 1927.

Disclaimers.

1,602,298.—*Claude Bethel*, Wilkinsburg, Pa. FLEXIBLE GEAR. Patent dated October 5, 1926. Disclaimer filed July 19, 1927, by the patentee, assignee, *Westinghouse Electric & Manufacturing Company*, consenting.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to wit:

"1. A gear element comprising a hub and a rim member having spherical engaging faces and a flexible connection therefor, said hub and rim member being relatively movable independently of said flexible connection.

"2. A gear element comprising a hub and a rim member having spherical engaging faces and a flexible connection therefor, said hub having universal movement relatively to said rim member.

"3. A gear element comprising a hub and a rim member having spherical engaging faces and a flexible connection therebetween for permitting relative universal movement of said rim relative to the said shaft."

"7. The combination with a gear element, of a shaft therefor, and resilient connecting means for said shaft and the toothed rim of the gear, said shaft and gear having spherical engaging faces for permitting universal movement of said rim relative to the said shaft."

1,620,678.—*John F. O'Connor*, Chicago, Ill. FRICTION SHOCK-ABSORBING MECHANISM. Patent dated March 15, 1927. Disclaimer filed July 2, 1927, by the assignee by mesne assignments, *W. H. Miner, Inc.*

Hereby disclaim from the scope of claim 4 of Patent 1,620,678, any friction shock absorbing mechanism except where each of the "pressure-transmitting elements" thereof is provided with spaced wedge faces and each "wedge-shoe" thereof is provided with co-operating, correspondingly spaced wedge faces and the "resilient means for holding said elements separated" comprises two sets of curved spring plates arranged with the convex surfaces thereof in opposed positions and interposed between said "elements."

Trade-Marks Canceled.

39,799. Pencils. Gustav Schwanhäuser, Nuremberg, Germany. Registered February 17, 1908. Canceled July 21, 1927.

41,215. Pencils. Gustav Schwanhäuser, Nuremberg, Germany. Registered October 6, 1903. Canceled July 21, 1927.

42,291. Certain named pencils and crayons. Gustav Schwanhäuser, Nuremberg, Germany. Registered March 29, 1904. Canceled July 21, 1927.

62,091. Antiseptics, disinfectants, and germicides. Ernst Bischoff, New York, N. Y. Registered April 16, 1907. Canceled July 21, 1927.

133,986. Metal polish. The Hanson & Van Winkle Company, Newark, N. J. Registered August 10, 1920. Canceled July 21, 1927.

133,987. Metal polish. The Hanson & Van Winkle Company, Newark, N. J. Registered August 10, 1920. Canceled July 21, 1927.

136,613. Disinfectants. The Sanitary Products Corporation, New York, N. Y. Registered November 2, 1920. Canceled July 21, 1927.

203,117. Ointment. Lysol, Incorporated, New York, N. Y. Registered September 8, 1925. Canceled July 21, 1927.

208,716. Corn meal and flour. J. F. Eesley Milling Co., Plainwell, Mich. Registered February 9, 1926. Canceled July 21, 1927.

209,280. Semiannual publications. The Ready Reference Publishing Co. Inc., New York, N. Y. Registered February 16, 1926. Canceled July 21, 1927.

210,266. Wheat flour. Stoddard Mill & Grain Company, Advance, Mo. Registered March 9, 1926. Canceled July 21, 1927.

211,041. Chemical composition for use in the purification of water. Aluminum Company of America, Pittsburgh, Pa. Registered March 30, 1926. Canceled July 21, 1927.

212,186. Talc, a dry paint. General Trading Corporation, San Francisco, Calif. Registered April 27, 1926. Canceled July 21, 1927.

216,790. Tucked dresses. Love and Lindblad, New York, N. Y. Registered August 17, 1926. Canceled July 21, 1927.

217,332. Patch material for rubber tires. The General Rubber Repair Co., Detroit, Mich. Registered August 31, 1926. Canceled July 21, 1927.

220,097. Gloves of leather. La Maroquinerie Nationale Soc. Ame., Brussels, Belgium. Registered November 2, 1926. Canceled July 21, 1927.

228,769. Oils and greases. Blackhawk Petroleum Co., Chicago, Ill. Registered June 7, 1927. Canceled July 21, 1927.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 9, 1927.

[VOL. 361. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.

Ser. No. 250,421. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Filed June 11, 1927.



No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Grass and Field Seeds.
Claims use since 1898.

Ser. No. 251,052. THE GRIESS-PFLEGER TANNING CO., Peabody, Mass. Filed June 24, 1927.

TIPSI

Particular description of goods.—Leather.
Claims use since Apr. 15, 1927.

Ser. No. 251,053. THE GRIESS-PFLEGER TANNING CO., Peabody, Mass. Filed June 24, 1927.

CHEVRON

Particular description of goods.—Leather.
Claims use since Apr. 15, 1927.

CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.

Ser. No. 250,281. MORRIS WHITE INC., New York, N. Y. Filed June 9, 1927.

EXPANDO

Particular description of goods.—Purses, Wallets, Pocketbooks, and Hand Bags.
Claims use since Mar. 28, 1927.

CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.

Ser. No. 217,726. J. G. MOUSON & Co., Frankfort-on-the-Main, Germany. Filed July 22, 1925.

Tai-Tai

The words "Tai-Tai" appearing on the drawing are Chinese words which when translated into English designate lady, gentlewoman, or the wife of an official or man of rank.

Particular description of goods.—Soap.
Claims use since April, 1921.

Ser. No. 233,735. JOHN A. HORNEY, Cincinnati, Ohio. Filed June 25, 1926.

YENROH'S WORLD'S PERFECT WATERGLOSS SOAP CLEANING

The words "World's Perfect Cleaning Soap" are disclaimed apart from the mark shown.

Particular description of goods.—Cleaning and Polishing Material in the Nature of Soap.
Claims use since on or about Jan. 16, 1926.

Ser. No. 234,146. MASATARO OKAMURO, doing business as Oka Cleaner Manufacturing Company, Los Angeles, Calif. Filed July 3, 1926.

OKA

Particular description of goods.—Liquid Cleaner for Woodwork.
Claims use since Jan. 1, 1926.

Ser. No. 245,250. WAYNE CADWALLADER, doing business as Seacoast Laboratories, Sea Bright, N. J. Filed Mar. 5, 1927.



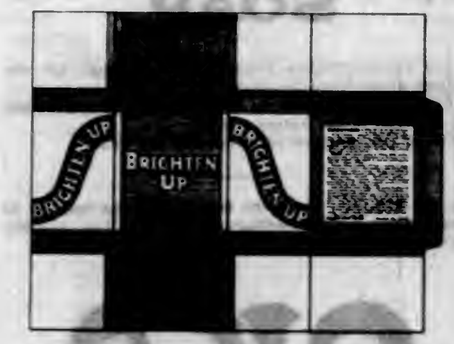
Particular description of goods.—Preparations in the Form of Crystals for Laundry, Toilet, Household, and Industrial Cleaning.
Claims use since about Jan. 10, 1925.

Ser. No. 249,276. INDUSTRIAL WORKS, Bay City, Mich. Filed May 20, 1927.

POWERDUST

Particular description of goods.—Brake-Band Dressing for Application to Heavy-Duty Bearings, Brakes, and Clutches.
Claims use since Apr. 23, 1927.

Ser. No. 249,747. POLAND SOAP WORKS, Anniston, Ala. Filed May 28, 1927.



The lining on the drawing is meant to indicate the colors red and blue. No claim is made to the directional legends including the geographical terms "Anniston, Ala. U. S. A." nor to the representation of a carton blank per se.
Particular description of goods.—Washing Powder.
Claims use since May 9, 1927.

Ser. No. 250,309. F. A. KAUFFMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed June 10, 1927.

TANTALIZER



Particular description of goods.—Scientific Cleanser in Powdered Form Adapted for General Household Use for Removal of Grease, Etc., and Sold in Cans.
Claims use since Mar. 10, 1927.

Ser. No. 250,405. C. C. GALBRAITH, doing business as Galbraith & Company, New York, N. Y. Filed June 11, 1927.

Solvex

Particular description of goods.—General Cleansing and Washing Compound.
Claims use since about May 1, 1927.

Ser. No. 250,406. C. C. GALBRAITH, doing business as Galbraith & Company, New York, N. Y. Filed June 11, 1927.



No claim is made to the words "Cleans," "Preserves," and "Purifies" apart from the mark shown.
Particular description of goods.—General Cleansing and Washing Compound.
Claims use since about May 1, 1927.

Ser. No. 250,949. WHITE & HODGES, Everett, Mass. Filed June 22, 1927.

NUFOCOD

Particular description of goods.—Oils for Treating Leather.
Claims use since June, 1924.

Ser. No. 251,003. MYRURGIA, S. A., Barcelona, Spain. Filed June 23, 1927.

Orgia

Particular description of goods.—Soap.
Claims use since October, 1922.

Ser. No. 251,004. MYRURGIA, S. A., Barcelona, Spain. Filed June 23, 1927.

FLORES DEL MAL

Particular description of goods.—Soap.
Claims use since October, 1922.

Ser. No. 251,005. MYRURGIA, S. A., Barcelona, Spain. Filed June 23, 1927.

Flor de Blason

Particular description of goods.—Soap.
Claims use since October, 1922.

Ser. No. 251,007. MYRURGIA, S. A., Barcelona, Spain. Filed June 23, 1927.



Particular description of goods.—Soap.
Claims use since October, 1922.

Ser. No. 251,057. JOSEPHINE JAQUET, Jersey City, N. J. Filed June 24, 1927.



The trade-mark is the autographic signature of applicant.
Particular description of goods.—Laundry Soaps, Toilet Soaps, Shaving Cream Soaps, Shaving Soaps, Shredded Soaps, Soap Jelly, Soap Powders, Soap Flakes, Metal Polishes, Silver Polishes, Shoe Polishes, and Stove Polishes.
Claims use since June 18, 1927.

Ser. No. 251,094. VESTAL CHEMICAL CO., St. Louis, Mo. Filed June 24, 1927.

INFANTOL

Particular description of goods.—Liquid Soap.
Claims use since May 1, 1927.

Ser. No. 251,142. KLENZING EMULSION COMPANY, Garwood, N. J. Filed June 25, 1927.

DETERGAX

Particular description of goods.—Cleansing Emulsions and Soaps.
Claims use since May 1, 1927.

Ser. No. 251,143. KLENZING EMULSION COMPANY, Garwood, N. J. Filed June 25, 1927.

KLEMCO

Particular description of goods.—Cleansing Emulsions and Soaps.
Claims use since May 1, 1927.

Ser. No. 251,195. IRVING MCEWEN, Omaha, Nebr. Filed June 27, 1927.



Particular description of goods.—Liquid Soap, Toilet Soap, Skin Soap, Bath Soap, and Shaving Soap.
Claims use since June 1, 1927.

Ser. No. 251,345. WILLIAM KLINE, doing business as Kline Compounding Co., Waynesboro, Va. Filed June 30, 1927.

TARGREOFF

Particular description of goods.—Cleansing Preparation for Metal and Other Surfaces and for Polishing the Same and for Cleansing Textile Fabrics and the Hands.
Claims use since June 1, 1927.

CLASS 5. ADHESIVES.

Ser. No. 250,039. RUSSIA CEMENT COMPANY, Gloucester, Mass. Filed June 4, 1927.

Big Boy



Particular description of goods.—Adhesive Paste.
Claims use since on or about May 1, 1927.

CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.

Ser. No. 237,526. ROBERT P. ANDERSON, Sunbury, Ohio. Filed Sept. 21, 1926. Under 10-year proviso.



CRING'S
HOUSEHOLD BALM

The picture is a portrait of Henry Cring, deceased.
Particular description of goods.—Medicine for Use in the Treatment of Cholera, Cholera Morbus, Diarrhea, Dysentery, Flux, Colic, Pains in the Stomach and Bowels, Sprains, Bruises, Stings, Bites, Wounds, Cuts, and Headache, Toothache, Rheumatism, Neuralgia, Colds, and Chills.
Claims use since September, 1879.

Ser. No. 248,044. THE MILLER LABORATORIES, INC., Chicago, Ill. Filed Apr. 27, 1927.

'TWEEN-TOES'

Particular description of goods.—Antiseptic, Deodorant, and Healing Preparation for the Treatment of Irritations of and Tender and Itching Skin, Including Infected and Bleeding Cracks, and Affections of the Feet, Including Excessive Moisture, Odors, Soft Corns, Galls, Etc.
Claims use since May, 1926.

Ser. No. 248,063. M. SCHOEPFER, doing business as Parfums Dixor, Paris, France. Filed Apr. 27, 1927.



All wording appearing in the drawing with the exception of the words "La Velouty de Dixor" and "Dixor" are disclaimed apart from the mark as shown. No claim

is made to the representation of the carton appearing on the drawing apart from the mark shown.
Particular description of goods.—Toilet Preparation in Paste Form for the Treatment of the Hands, Arms, and Face.
Claims use since June 18, 1924.

Ser. No. 248,067. LOUIS M. TRIVISONE, doing business as Independent Oil & Chemical Company, Port Richmond, N. Y. Filed Apr. 27, 1927.

WIF

Particular description of goods.—Insect Exterminator—Namely, a Liquid Insecticide for Destruction of Flies, Mosquitoes, Moths, Bedbugs, Ants, Roaches, and Other Insects.
Claims use since May 1, 1923.

Ser. No. 248,842. THE KALO COMPANY, Quincy, Ill., Filed May 11, 1927.

KALO

Particular description of goods.—Livestock Remedies—Namely, Poultry Tonic, Worm Oil for Hogs, Dry Insecticide, Poultry Worm Medicine, Sheep Tonic, Steer Tonic, Hog Tonic, Dips, and Disinfectants, and Insecticides.
Claims use since 1914.

Ser. No. 248,930. RUMFORD CHEMICAL WORKS, Providence, R. I. Filed May 12, 1927.

KALYE

Particular description of goods.—Chemical Cleansing and Burnishing Compound for Use on Metallic Surfaces Before Plating.
Claims use since 1880.

Ser. No. 249,100. PAAS DYE COMPANY, Newark, N. J. Filed May 18, 1927.



Exclusive use of the words "Egg Dyes" is disclaimed apart from the mark shown.
Particular description of goods.—Dyes.
Claims use since Apr. 12, 1927.

Ser. No. 249,399. MERRILL AIKIN, St. Petersburg, Fla. Filed May 23, 1927.

No-Sketo
SKIN
CREAM

The words "Skin Cream" are disclaimed apart from the mark shown in the drawing.
Particular description of goods—Skin Cream Used for the Prevention of Mosquito Bites.
Claims use since Mar. 15, 1923.

Ser. No. 249,622. JOHN WAHL, Chicago, Ill. Filed May 26, 1927.



The photograph is that of the applicant. Applicant disclaims the use of the word "Liniment" apart from the mark shown.
Particular description of goods.—Liniment Used for Muscular Cramp, Rheumatism, Stiffness, Bruises, Lumbago, Sprains, Soreness, and Stiffness from Exertion.
Claims use since Oct. 15, 1926.

Ser. No. 249,883. ALUMINUM ORE COMPANY, Pittsburgh, Pa. Filed June 2, 1927.

ALCO-FLOC

Particular description of goods.—Chemical Composition for Use in the Purification of Water.
Claims use since Nov. 14, 1925.

Ser. No. 250,122. ABRAHAM E. GLICKMAN, Brooklyn, N. Y. Filed June 7, 1927.



No rights are claimed to the words "Perfumer" and "Brooklyn, N. Y." except in association with the other features of the mark.
Particular description of goods.—Perfumes, Toilet Waters, Facial Creams, and Skin Lotions.
Claims use since Sept. 3, 1926.

Ser. No. 250,263. GEORGE F. SMITH, doing business as Rosebud Perfume Company, Woodsboro, Md. Filed June 9, 1927.

Tholene

Particular description of goods.—Preparation for the Relief of Colds, Croup, Asthma, Catarrh, and Hay Fever.
Claims use since about May 10, 1927.

Ser. No. 250,910. VITOLD DROSNESS, doing business as Bram Laboratories, New York, N. Y. Filed June 22, 1927.

B-R-A-M

Particular description of goods.—Insecticide.
Claims use since 1914.

Ser. No. 251,019. ARTHUR T. SINYKIN, doing business as The Nipola Company, St. Paul, Minn. Filed June 23, 1927.



No claim is made to the word "Parfum" apart from the mark shown in the drawing.
Particular description of goods.—Perfumes and Perfumed Hair Tonics.
Claims use since May 23, 1927.

Ser. No. 251,031. CAROLYN G. FOX, doing business as Carolyn Renard, St. Louis, Mo. Filed June 24, 1927.



Particular description of goods.—Facial Cleansing and Massage Creams and Ices, Astringent Lotions, and Lip Salves.
Claims use since on or about May 20, 1926.

Ser. No. 251,065. MONSANTO CHEMICAL WORKS, St. Louis, Mo. Filed June 24, 1927.

ORTHENE

Particular description of goods.—Orthodichlorbenzene and Solvents for Leather Dyes.
Claims use since Feb. 12, 1927.

Ser. No. 251,155. EVERETT F. TAWNEY, Winona, Minn. Filed June 25, 1927.

NITE CLUB

Particular description of goods.—Perfume.
Claims use since June 9, 1927.

Ser. No. 251,244. RENWARE PHARMACAL CO., Manchester, N. H. Filed June 28, 1927.



Particular description of goods.—Antiseptic Mouth Wash and Gargle.
Claims use since May 14, 1927.

Ser. No. 251,313. RICHARD ANGLIN, Hempstead, N. Y. Filed June 30, 1927.

ANGLETS

Particular description of goods.—Antiseptic Mouth and Throat Tablets.
Claims use since June 15, 1926.

CLASS 12. CONSTRUCTION MATERIALS.

Ser. No. 248,695. HARRY H. HONIGBAUM, doing business as The Rubber Roofing Co., New York, N. Y. Filed May 9, 1927.

Combo

Particular description of goods.—Roll Roofing, Building Paper, and Composition Shingles.
Claims use since Mar. 30, 1927.

Ser. No. 249,885. THE BABCOCK & WILCOX COMPANY, New York, N. Y. Filed June 2, 1927.



Particular description of goods.—Brick.
Claims use since Jan. 10, 1923.

Ser. No. 250,442. CORK IMPORT CORPORATION, New York, N. Y. Filed June 13, 1927.



No claim is made to the exclusive use of the phrase "World Wide Service" and the words "New York" and "Palafrugell" apart from the mark shown.
Particular description of goods.—Cork Board for Building and Thermal Insulating Purposes.
Claims use since Apr. 15, 1927.

CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.

Ser. No. 248,694. HARRY H. HONIGBAUM, doing business as Patent Nail & Holder Factories, New York, N. Y. Filed May 9, 1927.

Combo

Particular description of goods.—Nails, Roofing Nails; Hangers for Pictures, Garments, and the like; Price-Ticket Holders, Hinges, Draw Pulls.
Claims use since Mar. 30, 1927.

Ser. No. 249,730. KEYSTONE STEEL & WIRE COMPANY, South Bartonville, Peoria, Ill. Filed May 28, 1927.

GREEN TIP

Particular description of goods.—Bale Ties.
Claims use since on or about Apr. 5, 1927.

CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.

Ser. No. 231,784. BÁNSKÁ-A HUTNÍ SPOLEČNOST, Brno, Czechoslovakia. Filed May 18, 1926.



Particular description of goods.—Commercial Castings of All Kinds, Rolled Slabs and Sets of Slabs of Metal and Metal Wire, All of Ferrous Metal.
Claims use since 1920.

Ser. No. 231,785. BÁNSKÁ-A HUTNÍ SPOLEČNOST, Brno, Czechoslovakia. Filed May 18, 1926.



Particular description of goods.—Commercial Castings of All Kinds, Rolled Slabs and Sets of Slabs of Metal and Metal Wire.
Claims use since 1920.

Ser. No. 249,687. WILLIAMS AND COMPANY, INC., Pittsburgh, Pa. Filed May 27, 1927.

WELDFLO

Particular description of goods.—Welding Wire Adapted to be Deposited on a Metal Article in the Process of Welding.
Claims use since Nov. 16, 1926.

CLASS 15. OILS AND GREASES.

Ser. No. 249,140. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 17, 1927.

EBONCUP

Particular description of goods.—Lubricating Oils and Lubricating Greases.
Claims use since Apr. 25, 1927.

CLASS 16. PAINTS AND PAINTERS' MATERIALS.

Ser. No. 247,233. ALBERT A. WHITE, doing business as White Brothers, Long Beach, Calif. Filed Apr. 9, 1927.

WAHOO

Particular description of goods.—Furniture Polish, Automobile Polish, and Paint Remover.
Claims use since Dec. 15, 1926.

Ser. No. 249,746. THE PERRY & DERRICK CO., Dayton, Ky. Filed May 28, 1927.

POR-CEL-O-TINT
LIKE TINTED PORCELAIN

No claim is made to the words "Like Tinted Porcelain" apart from the mark shown in the drawing.
Particular description of goods.—Enamel, Paint, and Ready-Mixed Paint.
Claims use since Jan. 1, 1927.

CLASS 17. TOBACCO PRODUCTS.

Ser. No. 244,617. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y. Filed Feb. 19, 1927.

Duke's Mixture

Applicant is the owner of registration No. 65,749, effected under the "ten years" clause.
Particular description of goods.—Smoking and Chewing Tobacco.
Claims use since Oct. 15, 1886.

Ser. No. 245,121. VETTERLEIN CIGAR COMPANY, Pennsburg, Pa. Filed Mar. 2, 1927.

ALBERT PIKE

The name "Albert Pike" refers to the American lawyer, author, and soldier, 1809–1891, and is generally displayed in connection with a portrait of said Albert Pike.
Particular description of goods.—Cigars, Cigarettes, Smoking, Chewing, and Leaf Tobacco.
Claims use since 1904.

CLASS 19. VEHICLES, NOT INCLUDING ENGINES.

Ser. No. 222,961. SOCIÉTÉ ANONYME DES USINES RENAULT, Billancourt, France. Filed Nov. 6, 1925.



Particular description of goods.—Automobiles and Constructive Parts Thereof and Aeroplanes and Constructive Parts Thereof.
Claims use since August, 1924.

Ser. No. 245,852. THE METROPOLITAN BODY COMPANY, Bridgeport, Conn. Filed Mar. 16, 1927.

METRO

Particular description of goods.—Automotive-Vehicle Cabs, Dump Bodies, and Rack Bodies.
Claims use since June, 1923.

Ser. No. 250,187. RICHARD J. MURPHY, Washington, D. C. Filed June 8, 1927.



Applicant disclaims the words "Authorized Dealer Used Cars Bound by Bond" apart from the mark shown in the drawing, the lining representing the color blue.
Particular description of goods.—Used Automobiles.
Claims use since June 7, 1927.

CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.

Ser. No. 231,865. JAMBOR TOOL & STAMPING COMPANY, Milwaukee, Wis. Filed May 19, 1926.

Bull Dog



Particular description of goods.—Automobile Accessories—Namely, Spark Timers and Automobile Electric-Wiring Sets.
Claims use since Dec. 11, 1925.

Ser. No. 244,923. ELECTRICAL MANUFACTURING & PLATING COMPANY, Hampton Wick, Kingston-on-Thames, England. Filed Feb. 26, 1927.

CELESTION

Particular description of goods.—Loud Speakers for Wireless Telephony.
Claims use since Oct. 6, 1924.

Ser. No. 244,960. SAVORY, INC., Buffalo, N. Y. Filed Feb. 26, 1927.

SAVORY AIRATOR

No claim is made to the exclusive use of the word "Airator" apart from the mark shown in the drawing.
Particular description of goods.—Electric Fans.
Claims use since Jan. 26, 1927.

Ser. No. 246,274. A/S. FISKER & NIELSEN, Copenhagen, Denmark. Filed Mar. 24, 1927.

TELLUS

Particular description of goods.—Vacuum Cleaners, Brushing and Polishing Machines, Drilling and Grinding Machines, and Suction Blowers, All Electrically Operated and Parts Thereof.
Claims use since August, 1920.

Ser. No. 247,689. GRAY & DANIELSON MFG. CO., San Francisco, Calif. Filed Apr. 19, 1927.

INFRA-DYNE

Particular description of goods.—Radiofrequency Amplifier Units.
Claims use since July 20, 1926.

Ser. No. 247,900. LEXINGTON ELECTRIC PRODUCTS CO., INC., New York, N. Y. Filed Apr. 23, 1927.



No claim is made to the exclusive use of the words "New York City" apart from the mark shown.
Particular description of goods.—Panels, Switchboards, Switches, and Parts for the Same.
Claims use since July 16, 1923.

Ser. No. 248,207. TRAV-LER MANUFACTURING CORPORATION, Chicago, Ill. Filed Apr. 29, 1927.

Trav-Ler

Particular description of goods.—Radio Receiving Sets and Loop Aerials.
Claims use since Mar. 1, 1925.

Ser. No. 249,321. EDWARD L. BEARD, New York, N. Y. Filed May 21, 1927.

TALK-LO

Particular description of goods.—Telephone Transmitter Mouthpieces.
Claims use since Feb. 3, 1927.

Ser. No. 249,717. CHAS. FRESHMAN CO. INC., New York, N. Y. Filed May 28, 1927.

Freshman Equaphase

Particular description of goods.—Radio Receiving Sets and Radio Parts—Namely, Condensers, Transformers, Resistances, Switches, and Receiving Loops.
Claims use since May 18, 1927.

Ser. No. 249,718. CHAS. FRESHMAN CO. INC., New York, N. Y. Filed May 28, 1927.

EQUAPHASE

Particular description of goods.—Radio Receiving Sets and Radio Parts—Namely, Condensers, Transformers, Switches, and Receiving Loops.
Claims use since May 18, 1927.

Ser. No. 250,331. CHARLES STAUDT, doing business as New Jersey Storage Battery Company, Union City, N. J. Filed June 10, 1927.

ESTO

Particular description of goods.—Storage Batteries.
Claims use since about July 1, 1926.

CLASS 22. GAMES, TOYS, AND SPORTING GOODS.

Ser. No. 223,653. PAWTUCKET BRAIDED LINE COMPANY, INC., Pawtucket, R. I. Filed Nov. 21, 1925.

Particular description of goods.—Fishing Lines.
Claims use since Aug. 1, 1925.

Ser. No. 230,565. CHARLES S. O'CONNELL, Meriden, Conn. Filed Apr. 22, 1926.

DANDELION

Particular description of goods.—Golf Balls.
Claims use since Feb. 10, 1926.

Ser. No. 247,250. S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Particular description of goods.—Rattles, Dolls, Bunnies, and Toy Animals.
Claims use since on or about Apr. 1, 1922.

Ser. No. 248,234. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Apr. 30, 1927.

"Mayfair"

Particular description of goods.—Playing Cards.
Claims use since Jan. 1, 1927.

Ser. No. 248,766. M. H. FRANK & CO., New York, N. Y. Filed May 10, 1927.

Bridge Valet

Particular description of goods.—Bridge-Outfit Container.
Claims use since Apr. 29, 1927.

Ser. No. 249,887. N. C. BLANCHARD COMPANY, Harriman, Tenn. Filed June 2, 1927.

ARROW-HEAD

Particular description of goods.—Golf Shafts and Golf Clubs.
Claims use since 1923.

Ser. No. 249,962. IRVING H. FISHELOV, doing business as H. Fishelov & Co., Chicago, Ill. Filed June 3, 1927.

FOR MALE ONLY

Particular description of goods.—Toy U. S. Mail Wagons, Mail Trucks, Mail Cars, Mail Boats, and Mail Planes; Miniature Mail Boxes, Mail Bags, and Toy Mailing Envelopes.
Claims use since Apr. 15, 1919.

Ser. No. 250,801. THE HUBLEY MANUFACTURING COMPANY, Lancaster, Pa. Filed June 20, 1927.

Spirit -of- St. Louis

Particular description of goods.—Toy Aeroplanes or Flying Machines.
Claims use since about June 15, 1927.

361 O. G.—15

Ser. No. 250,975. CECIL P. CAULKINS, New London, Conn. Filed June 23, 1927.

Flip-Golf

Particular description of goods.—A Game for Playing in Either Out of Doors or Indoor Combining the Features of Tennis, Golf, and Croquet and Adapted to be Played in Either a Very Limited or a Very Extended Area.
Claims use since Jan. 1, 1925.

CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 249,360. MASTER PRODUCTS CORPORATION, San Francisco, Calif. Filed May 21, 1927.

BRAKE-RITE

Particular description of goods.—Brake-Adjusting Device.
Claims use since Mar. 15, 1927.

Ser. No. 249,936. ALLOY STEEL AND METALS CO., Los Angeles, Calif. Filed June 3, 1927.

ROLLER BEAR

Particular description of goods.—Machinery—Namely, Rock-Crushing Apparatus.
Claims use since Dec. 10, 1926.

Ser. No. 249,087. MOTOR REQUIREMENTS CORPORATION, Camden, N. J. Filed May 16, 1927.

MORECO

Particular description of goods.—Gasoline Purifiers for Use with Internal-Combustion Engines.
Claims use since Oct. 1, 1925.

Ser. No. 250,057. BAIRD & BELL, INC., Glendale, Calif. Filed June 6, 1927.

Bonesaw

The word "Bonesaw" is hereby disclaimed apart from the other features of the mark.
Particular description of goods.—Power-Driven Meat and Bone Saws.
Claims use since Apr. 1, 1927.

Ser. No. 251,039. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed June 24, 1927.

BRUTE

Particular description of goods.—Check Straps for Textile Looms.
Claims use since May 31, 1927.

CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.

Ser. No. 250,319. OPTICAL PRODUCTS CORPORATION, New York, N. Y. Filed June 10, 1927.



Particular description of goods.—Frames, Rims, and Nose Pieces for Eyeglasses.
Claims use since May 5, 1927.

Ser. No. 250,937. PHOTOMATON, INC., New York, N. Y. Filed June 22, 1927.

Photomaton

Particular description of goods.—Photographic Sensitized Plates, Sensitized Films, Sensitized Papers, Cameras, Lenses, and Developing Apparatus.
Claims use since Sept. 1, 1926.

CLASS 27. HOROLOGICAL INSTRUMENTS.

Ser. No. 223,584. JOSEPH B. KISLINGER, New York, N. Y. Filed Nov. 20, 1925.

PENDALION

Particular description of goods.—Watches, Watch Dials, Frames for Supporting Watch Movements, and Watchcases.
Claims use since July 1, 1924.

Ser. No. 242,791. MOISE DREYFUSS, London, England. Filed Jan. 13, 1927.

ROTARY

Particular description of goods.—Watches and Parts Thereof.
Claims use since Oct. 27, 1923.

Ser. No. 249,100. SAVOY WATCH CO., INC., New York, N. Y. Filed May 16, 1927.



Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since Apr. 15, 1927.

Ser. No. 249,734. LENGA & SPITZ, New York, N. Y. Filed May 28, 1927.

LENRUD

Particular description of goods.—Watches.
Claims use since May 1, 1923.

Ser. No. 249,745. I. OLLENDORFF CO., INC., New York, N. Y. Filed May 28, 1927. Under 10-year proviso.

OLLENDORFF

Particular description of goods.—Watches, Clocks, and Their Cases and Movements.
Claims use since about December, 1868.

Ser. No. 251,177. DIEL WATCH CASE CO., INC., New York, N. Y. Filed June 27, 1927.



Particular description of goods.—Watches and Parts Thereof.
Claims use since about Feb. 2, 1927.

CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.

Ser. No. 250,336. J. R. WOOD & SONS, New York, N. Y. Filed June 10, 1927.

Flowers of Love

Particular description of goods.—Finger Rings.
Claims use since Sept. 1, 1926.

Ser. No. 251,028. COHN & ROSENBERGER, INC., New York, N. Y. Filed June 24, 1927.

PUSSYWILLOW

Particular description of goods.—Pearls, Necklaces, Bracelets, Earrings, Finger Rings, Brooches, Bar Pins, and Ornamental Hatpins, and Pins for Dress Ornaments; Ornamental Pins and Buckles for Decorating Hats, Ornamental Shoe Buckles, and Hair Ornaments Made Wholly or in Part of or Plated with Precious Metal.
Claims use since June 1, 1927.

CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.

Ser. No. 216,840. THE LIMOGES CHINA COMPANY, Sebring, Ohio. Filed July 3, 1925.

Anniversary Dinner Set

No claim is made to the descriptive term "Dinner Set" apart from the mark shown in the drawing.
Particular description of goods.—China and Porcelain Dinner Sets.
Claims use since June 12, 1925.

CLASS 32. FURNITURE AND UPHOLSTERY.

Ser. No. 241,952. NATIONAL CLOAK & SUIT CO., New York, N. Y. Filed Dec. 24, 1926.

"NATIONAL ARTS"

The picture shown in the drawing is not a portrait of a living individual.
Particular description of goods.—Kitchen Cabinets.
Claims use since Aug. 1, 1926.

CLASS 33. GLASSWARE.

Ser. No. 248,388. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa. Filed May 4, 1927.



Particular description of goods.—Window and Other Glass.
Claims use since Apr. 27, 1927.

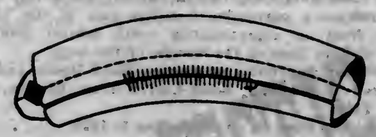
CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.

Ser. No. 239,622. THE MANSFIELD TIRE & RUBBER CO., Mansfield, Ohio. Filed Nov. 3, 1926.

LIBERTY

Particular description of goods.—Automobile Tire Casings and Inner Tubes.
Claims use since Jan. 2, 1926.

Ser. No. 246,786. 20TH CENTURY MANUFACTURING CO., Midlothian, Tex. Filed Apr. 1, 1927.



Applicants' mark consists of a square red tag associated with a line of green thread used in sewing on the tag. The ruling in the drawing represents the colors red and green. The representation of the goods in the drawing is disclaimed.
Particular description of goods.—Lace-On Type of Blow-Out Boot or Patch for Use in Automobile Tires.
Claims use since Nov. 1, 1926.

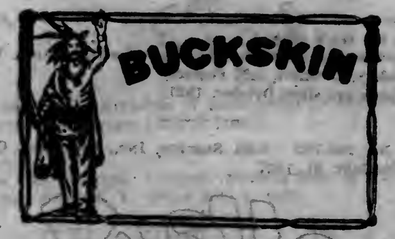
CLASS 37. PAPER AND STATIONERY.

Ser. No. 175,644. CAMILLE H. BOULIN, doing business as Canson & Montgolfier, New York, N. Y. Filed Feb. 7, 1923.

PAPIER ROYAL

Particular description of goods.—Handmade Paper.
Claims use since Apr. 15, 1784.

Ser. No. 245,526. THE AMERICAN ENVELOPE CO., West Carrollton, Ohio. Filed Mar. 11, 1927.



The word "Buckskin" is lined for the color black, but applicant does not desire to be limited to color, as the word "Buckskin" and the figure of an Indian are essential features of the mark regardless of the color in which they may be printed.
Particular description of goods.—Mailing Envelopes.
Claims use since Jan. 1, 1926.

Ser. No. 247,897. LEPERBURE CORPORATION, Cedar Rapids, Iowa. Filed Apr. 23, 1927.



The trade-mark comprises the words "The X-Ray Line" displayed on a conventional outline map of the United States from an approximately north central point on which radiate lines to the margin of the map.

Particular description of goods.—Blank Books, Indexes, Ledgers (Bound and Loose-Leaf), Tray Binders, and Index Tabs.

Claims use since on or about May 1, 1923.

Ser. No. 249,004. JOSEPH GROSSMAN, doing business as Kasdum Company, Steubenville, Ohio. Filed May 14, 1927.



Applicant disclaims all wording appearing in the drawing except the word "Kasdum."

Particular description of goods.—Toilet Tissue Paper.

Claims use since Feb. 1, 1927.

CLASS 38. PRINTS AND PUBLICATIONS.

Ser. No. 244,494. LOUIS F. DOW CO., St. Paul, Minn. Filed Feb. 17, 1927.

Goodwill Advertising

The word "Advertising" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Greeting Cards, Wall Calendars, Booklets, and Posters.

Claims use since October, 1921.

Ser. No. 246,702. NEA SERVICE, INC., Cleveland, Ohio. Filed Mar. 31, 1927.



Particular description of goods.—Comic Strip.

Claims use since Oct. 2, 1926.

Ser. No. 249,161. DEERE & COMPANY, Moline, Ill. Filed May 18, 1927.

The Furrow

Particular description of goods.—Quarterly Magazine.

Claims use since January, 1896.

Ser. No. 250,701. MANAGEMENT MAGAZINES, INCORPORATED, Chicago, Ill. Filed June 17, 1927.

Cafeteria Management

Particular description of goods.—Monthly Magazine.

Claims use since April, 1922.

Ser. No. 250,702. MANAGEMENT MAGAZINES, INCORPORATED, Chicago, Ill. Filed June 17, 1927.

SCHOOL FEEDING MANAGEMENT

The letters are lined for shading.

Particular description of goods.—Monthly Magazine.

Claims use since July, 1926.

Ser. No. 251,041. INTERNATIONAL MAGAZINE COMPANY, INC., New York, N. Y. Filed June 24, 1927.

Entre Nous

Particular description of goods.—Monthly Publication.

Claims use since June 14, 1927.

CLASS 39. CLOTHING.

Ser. No. 226,256. RITE STEP SHOE CO., INC., Brooklyn, N. Y. Filed Jan. 22, 1926.



Particular description of goods.—Children's Fabric and Leather Shoes.

Claims use since Sept. 25, 1925.

Ser. No. 232,040. ORANGE BLOSSOM KNITTING MILLS, Los Angeles, Calif. Filed May 21, 1926.

Orange Blossom

Particular description of goods.—Neckties, Dresses, Scarfs, Men's, Women's, Children's Sweaters, and Coats.

Claims use since Mar. 1, 1924.

Ser. No. 242,166. I. H. BARNETT & BRO., New York, N. Y. Filed Dec. 30, 1926.

Meritas

Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts.

Claims use since February, 1920.

Ser. No. 242,536. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Jan. 8, 1927.

Copper Beech

Particular description of goods.—Mens Suits and Coats.

Claims use since Dec. 16, 1926.

Ser. No. 243,527. THE BLOCH COMPANY, Detroit, Mich. Filed Jan. 29, 1927.



The lining on the drawing is for the purpose of showing shading only.

Particular description of goods.—Suits and Overcoats for Men and Boys.

Claims use since Jan. 17, 1927.

Ser. No. 245,727. MONROE C. KILLIAN, Mohnton, Pa. Filed Mar. 14, 1927.



Particular description of goods.—Ladies' Hose.

Claims use since Sept. 20, 1926.

Ser. No. 246,931. RALPHS-PUGH CO., San Francisco, Calif. Filed Apr. 4, 1927.

TOP NOTCH

Particular description of goods.—Men's and Boys' Waterproofed Leather Work Coats, Vests, Trousers, Blouses, and Jackets; Men's and Boys' Sport Blouses and Jackets; Men's, Women's, and Children's Raincoats, Leather Moccasins, Felt Slippers, and Shoes Made of Leather, Fabric, and Combinations of the Same.

Claims use since Dec. 1, 1922.

CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.

Ser. No. 229,985. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Apr. 10, 1926.

MAJESTIC

Particular description of goods.—Colored Chambray in the Piece.

Claims use since Nov. 1, 1924.

Ser. No. 250,957. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed June 23, 1927.

KLONDYKE

Particular description of goods.—Cotton Piece Goods.

Claims use since on or about Apr. 29, 1927.

Ser. No. 251,061. SARAH LIPTON, Brooklyn, N. Y. Filed June 24, 1927.



Particular description of goods.—Textile Diapers.

Claims use since June 10, 1927.

Ser. No. 251,380. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 1, 1927.

Heiferdot

Particular description of goods.—Pile Fabrics in the Piece.

Claims use since June 4, 1927.

Ser. No. 251,381. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 1, 1927.

Yerling

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since May 26, 1927.

Ser. No. 251,382. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed July 1, 1927.

Squirrelet

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since June 6, 1927.

Ser. No. 251,449. ROBERT MCDADE, New York, N. Y. Filed July 2, 1927.

Irisheen

Particular description of goods.—Linen Piece Goods.
Claims use since January, 1922.

Ser. No. 251,460. SMITH MCCORD TOWNSEND DRY GOODS COMPANY, Kansas City, Mo. Filed July 2, 1927.



Particular description of goods.—Silk Fabrics.
Claims use since Feb. 10, 1906.

Ser. No. 251,535. FRED S. BENNETT, INC., New York, N. Y. Filed July 6, 1927.

EXQUATEX

Particular description of goods.—Piece Goods of Cotton, Flax, Jute, and Vegetable Fibers.
Claims use since May 10, 1927.

CLASS 43. THREAD AND YARN.

Ser. No. 250,978. COURTAULDS, LIMITED, London, England. Filed June 23, 1927.

SERACETA

Particular description of goods.—Yarns of Cellulose.
Claims use since Oct. 1, 1926.

Ser. No. 250,979. COURTAULDS, LIMITED, London, England. Filed June 23, 1927.

CUPRONA

Particular description of goods.—Yarns of Cellulose.
Claims use since Oct. 1, 1926.

CLASS 45. BEVERAGES, NONALCOHOLIC.

Ser. No. 239,101. GENERAL CITRUS CORPORATION, Los Angeles, Calif. Filed Oct. 23, 1926.



The words "A Devilish Good Drink" are disclaimed apart from the mark as shown.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Sept. 1, 1926.

Ser. No. 249,196. LOUIS SCHLOSSER, doing business as L. Schlosser & Co., Chicago, Ill. Filed May 18, 1927.

DO-LITTLE

Particular description of goods.—Tablets of Sugar and Other Ingredients Used in the Preparation of Soft Drinks.
Claims use since about October, 1926.

Ser. No. 249,446. STERILIZED BEVERAGE MANUFACTURING CO., INC., Philadelphia, Pa. Filed May 23, 1927.



No claim is made to the phrase "The Pure Chocolate Drink" apart from the mark as shown, nor to the label per se.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 19, 1927.

Ser. No. 249,992. EVAN V. QUINN, Olean, N. Y. Filed June 3, 1927.

Cheerio

Particular description of goods.—Ginger Ale.
Claims use since May 12, 1927.

Ser. No. 250,093. PARAMOUNT DISTILLED WATER CO., New York, N. Y. Filed June 6, 1927.

COLUMBIA DRY

No claim is made to the words "Columbia Dry" nor to the word "Columbia" appearing on the shield except in the association shown.
Particular description of goods.—Ginger Ale, a Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirup for Making the Same.
Claims use since June 1, 1926.

Ser. No. 250,129. CALLAGHAN J. MCCARTHY, doing business as Cairo Products Co., New York, N. Y. Filed June 7, 1927.

APLADAY

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since June 2, 1927.

Ser. No. 250,175. L. HOUSE & SONS CO., INC., Syracuse, N. Y. Filed June 8, 1927.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since June 26, 1926.

Ser. No. 250,851. MIAMI BEVERAGE CORPORATION, Coral Gables, Fla. Filed June 21, 1927.

BLUE MOON

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Extracts and Sirups for Making the Same.
Claims use since July 4, 1906.

Ser. No. 250,936. ROBERT H. PATTERSON, Atlanta, Ga. Filed June 22, 1927.

GIN SU

Particular description of goods.—Maltless, Noncereal Soft Drinks.
Claims use since Feb. 22, 1927.

CLASS 46. FOODS AND INGREDIENTS OF FOODS.

Ser. No. 234,051. PHENIX CHEESE CORPORATION, New York, N. Y. Filed July 2, 1926.



Particular description of goods.—Cheese.
Claims use since Apr. 1, 1901.

Ser. No. 234,302. G. W. HUMR COMPANY, San Francisco, Calif. Filed July 8, 1926.

HONEY BEE

Particular description of goods.—Canned Fruits—Namely, Peaches and Pears; Canned Vegetables—Namely, Asparagus and Spinach.
Claims use since May 15, 1926.

Ser. No. 239,389. UNITED CONFECTIONERY CO., St. Louis, Mo. Filed Oct. 28, 1926.

COCOANUT MOUNTAINS

Applicant disclaims the descriptive word "Cocoanut" apart from the mark as shown.

Particular description of goods.—Candy.

Claims use since July 1, 1926.

Ser. No. 242,711. C. E. DAVIS & A. E. DAVIS, Reedville, Va. Filed Jan. 12, 1927.



No registration rights are claimed in the words "Old Virginia" except in association with the other features of the mark.

Particular description of goods.—Canned Fish Roe and Canned Fish.

Claims use since Apr. 1, 1906.

Ser. No. 249,205. A. B. WACHLIN, Fairfield, Me. Filed May 18, 1927.



The words "World's Best" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Potatoes in their Natural State.

Claims use since April, 1926.

Ser. No. 249,456. GEORGE J. YENTZEN, doing business as Nederland Bakery, Nederland, Tex. Filed May 23, 1927



The signature appearing on the drawing is a facsimile of applicant's signature. No claim is made to the words "Premium Bread" and "1st Premium" and the representation of a loaf of bread apart from the mark shown in the drawing.

Particular description of goods.—Bread.

Claims use since May 14, 1927.

Ser. No. 249,489. THE PROCTOR & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 24, 1927.

Puritan

Particular description of goods.—Cottonseed Oils for Cooking, Cottonseed Oils for Dressings and Sauces, Salad Dressings, and Mayonnaise.

Claims use since Oct. 27, 1909.

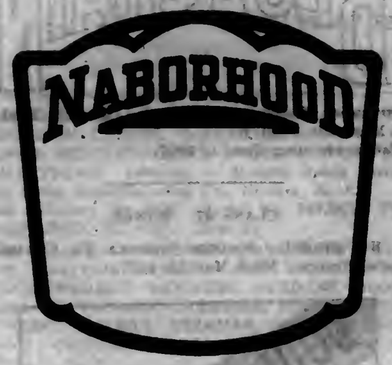
Ser. No. 249,728. KELLY DOUGLAS & CO. LTD., Vancouver, British Columbia, Canada. Filed May 28, 1927.

BOBAN

Particular description of goods.—Coffee.

Claims use since June 19, 1926.

Ser. No. 250,223. BROWNSVILLE CANNING COMPANY, Brownsville, Wis. Filed June 9, 1927.



Particular description of goods.—Canned Vegetables.

Claims use since before July 21, 1923.

Ser. No. 250,451. HILLCREST PRODUCTS CO., St. Louis, Mo. Filed June 13, 1927.

HILLCREST

Particular description of goods.—Sandwich Spread the Chief Ingredients of Which are Oil, Vinegar, Pimentos, Pickles, Spices, and Other Condiments, Mayonnaise Dressing, Thousand Island Salad Dressing, and French Dressing.

Claims use since July 28, 1923.

Ser. No. 250,457. O. D. JENNINGS & COMPANY, Chicago, Ill. Filed June 13, 1927.

MALT-ETTS

Particular description of goods.—Confectionery—Namely, Candies.

Claims use since June 7, 1927.

Ser. No. 250,529. N. DAVIS & COMPANY, INC., Baltimore, Md. Filed June 15, 1927.



Applicant disclaims all wording on the drawing with the exception of the words "Good Luck" and also disclaims the pictorial representation of a fish.

Particular description of goods.—Pickled Herring.

Claims use since 1920.

Ser. No. 250,628. THE MILLARD CANDY COMPANY, Baltimore, Md. Filed June 16, 1927.

BABY FACE

Particular description of goods.—Candy Suckers.

Claims use since Jan. 1, 1927.

Ser. No. 250,797. FRANK S. HARMON, doing business as Tom-A-Hawk Farms, Burton, Ohio. Filed June 20, 1927.



Tom-A-Hawk Farms

Particular description of goods.—Live Cattle and Hogs.

Claims use since June 1, 1926.

Ser. No. 250,882. MANHATTAN BAKING POWDER CO., INC., Brooklyn, N. Y. Filed June 21, 1927.

MILCOMALT

Particular description of goods.—Compound for Preparing Chocolate Food Drinks.

Claims use since June 8, 1927.

Ser. No. 250,882. YUCAIPA VALLEY FRUIT CO., Yucaipa, Calif. Filed June 21, 1927.

MOUNTAIN BOY

Particular description of goods.—Canned Fruits and Vegetables, Dried or Dehydrated Fruits and Vegetables; Fresh Vegetables—Namely, Tomatoes; Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit; Preserves—Namely, Apricot Butter.
Claims use since Apr. 6, 1925.

Ser. No. 251,001. LIPSCOMB BROS. INC., New Orleans, La. Filed June 23, 1927.

LUCKY STRIKE

Particular description of goods.—Maltless Table and Cooking Sirups.
Claims use since December, 1924.

Ser. No. 251,075. NEW YORK CANNERS, INC., Rochester, N. Y. Filed June 24, 1927.

COMO

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since July, 1902.

Ser. No. 251,326. ELINE'S INCORPORATED, Milwaukee, Wis. Filed June 30, 1927.

Snow Fairy

Particular description of goods.—Candy, Particularly Marshmallows.
Claims use since June 15, 1927.

Ser. No. 251,367. UNIVERSAL MILLS, Fort Worth, Tex. Filed June 30, 1927.

BLUE CHAIN

Particular description of goods.—Scratch Feed and Egg Mash for Poultry.
Claims use since Jan. 1, 1927.

CLASS 47. WINES.

Ser. No. 249,301. SOCIETE VINICOLE DE CHAMPAGNE, Paris, France. Filed May 20, 1927.



The drawing is lined for red and green.
Particular description of goods.—Champagne Wine.
Claims use since Sept. 15, 1926.

CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.

Ser. No. 250,545. H. KASSER, doing business as Blue Anchor Malt Distributing Co. of America, Philadelphia, Pa. Filed June 15, 1927.

Blue Anchor Malt Distributing Co.
of America

Particular description of goods.—Malt Sirup.
Claims use since Jan. 2, 1927.

CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.

Ser. No. 248,306. ROBERT HOWARD LAKE, Takoma Park, Md. Filed May 2, 1927.



Particular description of goods.—Uniform Cap-Cover Stretcher.
Claims use since Apr. 18, 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 9, 1927.

230,843. PORTABLE DROPLIGHTS, LIGHTING AND IGNITION CABLES, COPPER TERMINALS AND LUGS, ELECTRIC-LIGHT BULBS, AND SEPARABLE PLUGS. LEONARD A. HARRIS, doing business as Rotax Manufacturing Co., Newark, N. J.
Filed February 25, 1927. Serial No. 244,865. PUBLISHED APRIL 26, 1927. Class 21.

230,844. LADIES' UNDERWEAR, AND NIGHT WEAR OF KNITTED, NETTED, AND TEXTILE FABRICS—NAMELY, DRAWERS, STEP-INS, BLOOMERS, PETTICOATS, CHEMISES, NIGHTDRESSES, CORSET COVERS, PYJAMAS, DANCING SETS, AND COSTUME SLIPS. THE LINGERIE CO., Newark, N. J.
Filed February 25, 1927. Serial No. 244,874. PUBLISHED MAY 3, 1927. Class 39.

230,845. WOMEN'S AND GIRLS' SHOES AND SLIPPERS MADE OF LEATHER, FABRICS, CLOTH, AND COMBINATIONS OF THESE MATERIALS. I. MILLER AND SONS INCORPORATED, Long Island City, N. Y.
Filed February 25, 1927. Serial No. 244,879. PUBLISHED MAY 10, 1927. Class 39.

230,846. ELECTRIC STOVES, PLATES, AND RANGES. OSO. D. ROPER CORPORATION, Rockford, Ill.
Filed February 25, 1927. Serial No. 244,887. PUBLISHED MAY 10, 1927. Class 21.

230,847. STOCKINGS AND SOCKS. LOUIS COLMAN, West Hampstead, London, England.
Filed February 26, 1927. Serial No. 244,916. PUBLISHED MAY 3, 1927. Class 39.

230,848. LADIES', MISSES', AND CHILDREN'S AND INFANTS, DRESSES AND WEAR—NAMELY, HATS, CAPS, HOODS, COLLARS, SCARFS, SASHES, BELTS FOR OUTER WEAR, ROMPERS, TUNICS, SMOCKS, NEGLIGEES, KIMONOS, COATS, ROBES, WRAPPERS, LOUNGING ROBES, DRESSING SACKS, BLOUSES, CAPES, OUTER AND UNDER SKIRTS, AND UNDERWEAR, PLAIN, EMBROIDERED, AND HAND EMBROIDERED, IN KNITTED AND TEXTILE FABRICS. BELO ART, INCORPORATED, Washington, D. C.
Filed February 28, 1927. Serial No. 244,974. PUBLISHED MAY 3, 1927. Class 39.

230,849. ARTIFICIAL STONE FOR ELECTRICAL INSULATION AND ELECTRIC BARRIERS FOR ARRANGEMENT BETWEEN HIGH-TENSION ELECTRIC CONDUITS AND APPARATUS. DECELECO, INC., Wayne, Mich.
Filed February 28, 1927. Serial No. 244,992. PUBLISHD MAY 10, 1927. Class 21.

230,850. MEDICINES FOR THE RELIEF OF WHOOPING COUGH, BRONCHITIS, ASTHMATIC COUGH, AND LARYNGITIS. THE DENVER PHARMACEUTICAL MFG. CO., INC., Long Island City, N. Y.
Filed February 24, 1926. Serial No. 227,722. PUBLISHED JUNE 1, 1926. Class 6.

230,851. STORAGE BATTERIES, RADIOBATTERIES, DRY CELLS, ASSEMBLED RADIO RECEIVING SETS, ELECTRIC MOTORS, AND ELECTRIC GENERATORS. K. C. B. ELECTRIC MFG. CO., Sacramento, Calif.
Filed March 4, 1926. Serial No. 228,111. PUBLISHED MAY 10, 1927. Class 21.

230,852. CAKE. CAPEWAY BAKERY INC., Braintree, Mass.
Filed March 10, 1926. Serial No. 228,409. PUBLISHED MAY 24, 1927. Class 46.

230,853. DAIRY PRODUCTS—NAMELY, PASTEURIZED MILK AND CREAM. H. H. FROELY, Limeport, Pa.
Filed March 16, 1926. Serial No. 228,690. PUBLISHED MAY 24, 1927. Class 46.

230,854. RESISTANCES FOR USE TO CONTROL CURRENT IN ELECTRICAL AND RADIO CIRCUITS. AEROVOX WIRELESS CORPORATION, Brooklyn, N. Y.
Filed February 18, 1927. Serial No. 244,532. PUBLISHED MAY 3, 1927. Class 21.

230,855. RADIO RECEIVING SETS AND PARTS THEREOF. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,675. PUBLISHED MAY 10, 1927. Class 21.

230,856. RADIO RECEIVING SETS AND PARTS THEREOF. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,676. PUBLISHED MAY 10, 1927. Class 21.

230,857. SWEATBANDS FOR HEADGEAR. GEORGE BRUNSSEN COMPANY, New York, N. Y.
Filed February 21, 1927. Serial No. 244,688. PUBLISHED MAY 3, 1927. Class 39.

230,858. WOMEN'S SILK HOSIERY, DRESSES, SHAWLS, SCARFS, PULLMAN ROBES, COATS, WOMEN'S KNITTED UNDERWEAR OF SILK, WOOL, AND COTTON AND COMBINATIONS OF THE SAME. PAULO SILK COMPANY, Duluth, Minn.
Filed February 21, 1927. Serial No. 244,716. PUBLISHED MAY 3, 1927. Class 39.

230,859. HATS AND DRESSES FOR WOMEN AND CHILDREN. BERNICE SINCLAIR, Indianapolis, Ind.
Filed February 21, 1927. Serial No. 244,726. PUBLISHED JANUARY 15, 1924. Class 38.

230,860. CORRESPONDENCE LESSONS. COYNE TRADE & ENGINEERING SCHOOL, doing business as Cooke Auto School, Chicago, Ill., assignor to Job-Way Home Study, Inc., Chicago, Ill.
Filed October 11, 1923. Serial No. 186,829. PUBLISHED JANUARY 15, 1924. Class 38.

230,861. SOAPS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed October 19, 1923. Serial No. 187,234. PUBLISHED DECEMBER 25, 1923. Class 4.

230,862. RADIO EQUIPMENT—SPECIFICALLY, BINDING POSTS AND SPRING TERMINALS. FRANK W. MORSE, doing business as Frank W. Morse Company, Boston, Mass.
Filed September 2, 1924. Serial No. 202,134. PUBLISHED MAY 3, 1927. Class 21.

230,863. MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHT ROBES, UNDERWEAR OF TEXTILE FABRIC, AND SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y.
Filed December 1, 1924. Serial No. 206,062. PUBLISHED MAY 3, 1927. Class 39.

230,864. ATTACHMENT OR ACCESSORY FOR PHONOGRAPHS BY WHICH THE AMPLIFIER IS USED ALTERNATIVELY FOR ITS INTENDED PURPOSE AND AS A RADIO LOUD SPEAKER. MAXIMILIAN WEIL, doing business as Audak Company, New York, N. Y.
Filed February 11, 1925. Serial No. 209,448. PUBLISHED MAY 10, 1927. Class 21.

230,865. WHEAT PRODUCTS—NAMELY, FANCY FLOUR. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, Grand Forks, N. Dak.
Filed September 28, 1925. Serial No. 220,911. PUBLISHED MAY 17, 1927. Class 46.

230,866. WHEAT PRODUCTS—NAMELY, FANCY PATENT FLOUR. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, Grand Forks, N. Dak.
Filed September 28, 1925. Serial No. 220,912. PUBLISHED MAY 17, 1927. Class 46.

230,867. MALT-SIRUP EXTRACTS FLAVORED WITH HOPS FOR USE AS A FOOD. TAG-HART MALT PRODUCTS CO., La Crosse, Wis.
Filed December 5, 1925. Serial No. 224,300. PUBLISHED APRIL 20, 1926. Class 46.

230,868. HORSE COLLARS. JIM DANDY COLLAR COMPANY, Bradford, Ill.
Filed August 13, 1926. Serial No. 235,928. PUBLISHED MAY 17, 1927. Class 3.

230,869. PRESERVED AND CANNED RAISINS AND GRAPES. SUSSMAN, WORMSER & CO., San Francisco, Calif., assignor to The Rubyette Co., San Francisco, Calif., a Corporation of California.
Filed December 13, 1926. Serial No. 241,450. PUBLISHED FEBRUARY 15, 1927. Class 46.

230,870. PRESERVED AND CANNED RAISINS AND GRAPES. SUSSMAN, WORMSER & CO., San Francisco, Calif., assignor to The Rubyette Co., San Francisco, Calif., a Corporation of California.
Filed December 13, 1926. Serial No. 241,449. PUBLISHED FEBRUARY 15, 1927. Class 46.

230,871. ELECTRIC MOTORS. UNITED STATES ELECTRICAL MANUFACTURING COMPANY, Los Angeles, Calif.
Filed February 19, 1927. Serial No. 244,638. PUBLISHED MAY 3, 1927. Class 21.

230,872. CANNED FRUITS AND VEGETABLES AND CANNED TOMATO PURÉE. ABRAHAM KRASNE, doing business as A. Krasne, New York, N. Y.
Filed February 23, 1927. Serial No. 244,778. PUBLISHED MAY 10, 1927. Class 46.

230,873. CANNED FRUITS, CANNED VEGETABLES, COFFEES, FLAVORING EXTRACTS FOR FOODS, SPICES, CANNED FISH, CANNED SOUPS, CANNED EVAPORATED MILK, DRIED AND EVAPORATED FRUITS, SHELLED PEANUTS SALTED OR UNSALTED, DRIED VEGETABLES, JELLIES, PICKLES, SALAD AND COOKING OILS, TABLE AND COOKING SIRUPS, MAYONNAISE, BREAKFAST CEREALS, MACARONI AND SPAGHETTI, CATCHUP, AND VINEGAR. THE ILLINOIS CANNING CO., Hoopeston, Ill.
Filed February 24, 1927. Serial No. 244,827. PUBLISHED MAY 10, 1927. Class 46.

230,874. COMMUTATOR BRUSHES FOR ELECTRIC MOTORS AND GENERATORS. HENRITE PRODUCTS CO., INC., Jersey City, N. J.
Filed February 26, 1927. Serial No. 244,934. PUBLISHED APRIL 26, 1927. Class 21.

230,875. CHEMICAL COMPOUND IN LIQUID FORM FOR CLEANING GREASE AND SPOTS FROM CLOTHING AND CLOTH. MONROE CHEMICAL CO., Quincy, Ill.
Filed February 26, 1927. Serial No. 244,946. PUBLISHED MAY 17, 1927. Class 4.

230,876. ELECTRICALLY-OPERATED SOUND SIGNALS FOR AUTOMOBILES AND OTHER SELF-PROPELLED VEHICLES. DELCO-REMY CORPORATION, Dayton, Ohio.
Filed February 28, 1927. Serial No. 244,996. PUBLISHED APRIL 26, 1927. Class 21.

230,877. RADIO INDUCTANCE COILS OF THE BASKET OR LORENZ TYPE. V. V. ROE, doing business as All-Henry Coil Company, South Gate, Calif.
Filed February 28, 1927. Serial No. 245,030. PUBLISHED MAY 10, 1927. Class 21.

230,878. METAL POLISH. DON D. THOMAS, Fresno, Calif.
Filed February 28, 1927. Serial No. 245,035. PUBLISHED MAY 17, 1927. Class 4.

230,879. SHADE HOLDERS FOR ELECTRIC LAMPS. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y.
Filed March 1, 1927. Serial No. 245,068. PUBLISHED APRIL 26, 1927. Class 21.

230,880. SPARK PLUGS. THE MOTOMETER COMPANY, INC., Long Island City, N. Y.
Filed March 3, 1927. Serial No. 245,157. PUBLISHED MAY 10, 1927. Class 21.

230,881. ELECTRIC AIR HEATERS AND ELECTRIC WATER HEATERS. ELECTRIC SALES SERVICE COMPANY, San Francisco, Calif.
Filed April 1, 1926. Serial No. 229,507. PUBLISHED APRIL 26, 1927. Class 21.

230,882. PREPARATION FOR SHAVING, NOT A SOAP, TO BE APPLIED BEFORE SHAVING. INTERNATIONAL CHEMICAL CO., Chicago, Ill.
Filed May 3, 1926. Serial No. 231,044. PUBLISHED JANUARY 25, 1927. Class 4.

230,883. PINS (NOT MADE OF PRECIOUS METAL), BUCKLES (NOT MADE OF PRECIOUS METAL), AND SHOE HOOKS AND EYES. THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany.
Filed May 8, 1926. Serial No. 231,341. PUBLISHED MAY 3, 1927. Class 40.

230,884. MEN'S AND BOYS' SHIRTS AND BLOUSES AND LADIES' AND CHILDREN'S DRESSES AND APRONS. LAMBERT BROTHERS CO., Paterson, N. J.
Filed May 12, 1926. Serial No. 231,487. PUBLISHED JUNE 22, 1926. Class 39.

230,885. BOOTS AND SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. W. Y. MILLER, Schuylkill Haven, Pa.
Filed June 14, 1926. Serial No. 233,214. PUBLISHED MAY 3, 1927. Class 39.

230,886. STOCKINGS. RUFUS W. SCOTT COMPANY, New York, N. Y.
Filed July 27, 1926. Serial No. 235,236. PUBLISHED MAY 31, 1927. Class 30.

230,887. GUMMED TAPE. MID-STATES GUMMED PAPER COMPANY, Chicago, Ill.
Filed January 8, 1927. Serial No. 242,544. PUBLISHED MAY 17, 1927. Class 37.

230,888. CANNED FRUITS—NAMELY, CANNED PEACHES, CANNED APRICOTS, CANNED PINEAPPLE, BLACKBERRY PRESERVES, CANNED CHERRIES, CANNED FIGS, AND ORANGE MARMALADE; CANNED VEGETABLES—NAMELY, CANNED CORN, CANNED TOMATOES, CANNED PEAS, AND CANNED BEANS, ETC. GAROFALO BROTHERS, Chicago, Ill.
Filed December 27, 1926. Serial No. 241,995. PUBLISHED MAY 10, 1927. Class 46.

230,889. READY-MIXED PAINTS. MCLAREN SAWYER, St. Louis, Mo.
Filed December 23, 1926. Serial No. 241,904. PUBLISHED MAY 24, 1927. Class 16.

230,890. CANNED VEGETABLES, CANNED FRUITS, FLAVORING EXTRACTS FOR FOODS, SPICES, CANNED SALMON, CANNED SOUPS, CANNED EVAPORATED MILK, DRIED AND EVAPORATED FRUITS, NUTS IN THEIR NATURAL STATE, SHELLED NUTS WHETHER SALTED OR UNSALTED, DRIED VEGETABLES, JELLIES, PICKLES, SALAD AND COOKING OILS, TABLE AND COOKING SIRUPS, MAYONNAISE, BREAKFAST CEREALS, MACARONI, AND SPAGHETTI, CATCHUP, AND VINEGAR. THE ILLINOIS CANNING CO., Hoopeston, Ill.
Filed February 24, 1927. Serial No. 244,826. PUBLISHED MAY 17, 1927. Class 46.

230,891. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE, AND DETERGENTS FOR USE IN LAUNDERING OPERATIONS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed May 27, 1926. Serial No. 232,365. PUBLISHED MAY 24, 1927. Class 4.

230,892. ELECTRICALLY-OPERATED ELEVATORS AND PARTS THEREOF AND ELEVATOR SIGNALING DEVICES AND ANNUNCIATORS. NORTON-BLAIR-DOUGLASS, INC., New York, N. Y.
Filed July 15, 1926. Serial No. 234,592. PUBLISHED MAY 3, 1927. Class 21.

230,893. PAPER WEIGHTS, PROPELLING PENCILS, PENHOLDERS OF ALL KINDS, PEN WIPERS, COPYING WELLS, ARTISTS' PENCILS, BLOTTING ROCKERS, SKETCHING CHARCOAL, INK STANDS, LEAD REFILLS AND LEAD PENCILS, COLORED REFILLS AND PENCILS, CHALKS WITH AND WITHOUT WOODEN MOUNTS, RUBBER BANDS, NOTEBOOKS, INDIA-RUBBER INK, AND PENCIL ERASERS. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia.
Filed July 21, 1926. Serial No. 234,849. PUBLISHED MAY 24, 1927. Class 37.

230,894. HOT-ROLLED AND COLD-FINISHED STEEL BARS. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa.
Filed August 18, 1926. Serial No. 235,930. PUBLISHED MAY 24, 1927. Class 14.

230,895. MALT CEREAL BEVERAGES. MCAVOY COMPANY, Chicago, Ill.
Filed September 14, 1926. Serial No. 237,241. PUBLISHED APRIL 12, 1927. Class 46.

230,896. ALIMENTARY PASTE PRODUCTS. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 30, 1926. Serial No. 239,491. PUBLISHED MAY 17, 1927. Class 46.

230,897. ALIMENTARY PASTE PRODUCTS, AND PARTICULARLY FOR SOUP ALPHABETS AND SHELLS, AND ALSO FOR MACARONI, SPAGHETTI, VERMICELLI, NOODLES, AND EGG NOODLES, THE LATTER TWO BOTH DRY AND WET PREPARED FOR IMMEDIATE USE. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 30, 1926. Serial No. 239,492. PUBLISHED MAY 17, 1927. Class 46.

230,898. RADIO RECEIVING SETS AND RADIO SENDING SETS, AERIALS, SOUND-AMPLIFYING HORNS, TRANSFORMERS, MODULATORS, TUBE DETECTORS, CONDENSERS, AND AMPLIFYING TONE CHAMBERS FOR USE WITH RADIO APPARATUS. EDMUND BRUDER, Chicago, Ill.
Filed February 19, 1927. Serial No. 244,660. PUBLISHED MAY 3, 1927. Class 21.

230,899. CANNED FRUITS AND VEGETABLES, CANNED FISH, AND CANNED SHELLFISH. ABRAHAM KRASNE, doing business as A. Krasne, New York, N. Y.
Filed February 18, 1927. Serial No. 244,561. PUBLISHED MAY 10, 1927. Class 46.

230,900. PORTABLE ELECTRIC TABLE LAMPS AND NIGHT LAMPS. ART CRAFT FIXTURE CO., Newark, N. J.
Filed February 17, 1927. Serial No. 244,487. PUBLISHED APRIL 26, 1927. Class 21.

230,901. SEMIMONTHLY MAGAZINE. WALTERS RUBBER CO. INC., Mineola, N. Y.
Filed February 11, 1927. Serial No. 244,257. PUBLISHED MAY 17, 1927. Class 38.

230,902. SOOT CLEANER. FRANK D. SHEPARD, Saginaw, Mich.
Filed February 10, 1927. Serial No. 244,188. PUBLISHED MAY 24, 1927. Class 6.

230,903. SANDWICHES; CHILI, WHICH IS A FOOD COMPOSED OF GROUND BEEF, SUET, CRUSHED CRACKERS, CRACKER MEAL OR CORN MEAL, ONIONS OR GARLIC, CHILI PEPPERS, FLAVORED WITH SALT AND BLACK OR CAYENNE PEPPER, COMBINED AND COOKED AND SOLD IN CARTONS; AND HOT TAMALES. HARRY LE ROY LANE AND FRED LEE BOWLES, Tulsa, Okla.
Filed February 10, 1927. Serial No. 244,150. PUBLISHED MAY 10, 1927. Class 46.

230,904. CLEANING FLUID COMPOSED OF A LIGHT HYDROCARBON PETROLEUM PRODUCT. HERCULES GASOLINE CO., Los Angeles, Calif.
Filed February 10, 1927. Serial No. 244,155. PUBLISHED MAY 24, 1927. Class 4.

230,905. ASPHALT ROOF PAINT. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,045. PUBLISHED MAY 24, 1927. Class 16.

230,906. COFFEE, PAPRIKA, BACON, CRACKER MEAL, CANNED APRICOTS, ETC. AMERICAN STORES COMPANY, Philadelphia, Pa.
Filed September 26, 1925. Serial No. 220,832. PUBLISHED MAY 10, 1927. Class 46.

230,907. PICKLES, PREPARED MUSTARD, AND CHOWCHOW. BUDLONG PICKLE CO., Chicago, Ill.
Filed March 5, 1927. Serial No. 245,248. PUBLISHED MAY 17, 1927. Class 46.

230,908. PICKLES, PREPARED MUSTARD, CATCHUP, FRUIT AND BERRY PRESERVES, CHILI SAUCE, VEGETABLE RELISHES, PICKLED ONIONS, PICCALILLI, CHOWCHOW, AND PRESERVED OLIVES. BUDLONG PICKLE CO., Chicago, Ill.
Filed March 5, 1927. Serial No. 245,249. PUBLISHED MAY 17, 1927. Class 46.

230,909. GROUND CHILI PEPPERS USED AS A SEASONING FOR FOOD. CHILI PRODUCTS CORPORATION, Los Angeles, Calif.
Filed March 5, 1927. Serial No. 245,251. PUBLISHED MAY 24, 1927. Class 46.

230,910. CHILI POWDER. CHILI PRODUCTS CORPORATION, Los Angeles, Calif.
Filed March 5, 1927. Serial No. 245,252. PUBLISHED MAY 17, 1927. Class 46.

230,911. GROUND CHILI PEPPERS, USED AS A SEASONING FOR FOOD. CHILI PRODUCTS CORPORATION, Los Angeles, Calif.
Filed March 5, 1927. Serial No. 245,253. PUBLISHED MAY 24, 1927. Class 46.

230,912. CHILI POWDER. CHILI PRODUCER CORPORATION, Los Angeles, Calif.
Filed March 5, 1927. Serial No. 245,254. PUBLISHED MAY 17, 1927. Class 46.

230,913. GROUND CHILI PEPPERS, USED AS A SEASONING FOR FOODS. CHILI PRODUCTS CORPORATION, Los Angeles, Calif.
Filed March 5, 1927. Serial No. 245,255. PUBLISHED MAY 24, 1927. Class 46.

230,914. PRINTED RUG CHARTS. AMASON KNITTING COMPANY, Muskegon, Mich.
Filed March 7, 1927. Serial No. 245,357. PUBLISHED MAY 24, 1927. Class 38.

230,915. ABRASIVE, POLISHING, AND FINISHING WHEEL FOR DENTAL, JEWELRY, AND OTHER WORK. JOHN C. CRAVEN, San Francisco, Calif.
Filed March 9, 1927. Serial No. 245,426. PUBLISHED MAY 24, 1927. Class 4.

230,916. MONTHLY MAGAZINE PUBLICATION. INTERNATIONAL GENEVA ASSOCIATION, INC., New York, N. Y.
Filed March 10, 1927. Serial No. 245,493. PUBLISHED MAY 24, 1927. Class 38.

230,917. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,544. PUBLISHED MAY 10, 1927. Class 46.

230,918. CONDENSED MILK. MOHAWK CONDENSED MILK COMPANY, New York, N. Y.
Filed March 24, 1927. Serial No. 246,302. PUBLISHED MAY 24, 1927. Class 46.

230,919. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR AUDIOFREQUENCY TRANSFORMERS, CONDENSERS, AND SOCKETS FOR USE IN RADIO RECEIVING SETS. PACENT ELECTRIC COMPANY, INC., New York, N. Y.
Filed January 12, 1927. Serial No. 242,739. PUBLISHED MAY 10, 1927. Class 21.

230,920. SECTION OF A PERIODICAL PUBLICATION. THE CHAIN STORE PUBLISHING CORPORATION, New York, N. Y.
Filed January 14, 1927. Serial No. 242,818. PUBLISHED MAY 17, 1927. Class 38.

230,921. A POLISH FOR SILVERWARE. ARGOSY MANUFACTURING COMPANY, Kansas City, Mo.
Filed January 17, 1927. Serial No. 242,942. PUBLISHED MAY 17, 1927. Class 4.

230,922. RADIO LOUD SPEAKERS. H. G. SAAL COMPANY, Chicago, Ill.
Filed January 20, 1927. Serial No. 243,116. PUBLISHED APRIL 26, 1927. Class 21.

230,923. TYMPAN PAPER. CROMWELL PAPER CO., Chicago, Ill.
Filed January 31, 1927. Serial No. 243,593. PUBLISHED MAY 17, 1927. Class 37.

230,924. MOUNTS FOR X-RAY NEGATIVES. ISIDORE S. BERGER, New York, N. Y.
Filed February 7, 1927. Serial No. 243,921. PUBLISHED MAY 17, 1927. Class 37.

230,925. RADIO RECEIVING SETS AND PARTS THEREOF. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,674. PUBLISHED MAY 10, 1927. Class 21.

230,926. MAGNETO REPLACEMENT PARTS—NAMELY, DISTRIBUTOR PLATES, DISTRIBUTOR GEARS, BRUSH HOLDERS, DISTRIBUTOR BRUSHES AND SPRINGS, CONNECTING BARS, DUST COVERS, ELECTRODES, ARMATURE GEARS AND WINDINGS, SLIP RINGS, HOUSING COVERS, BUSHINGS, CONTACTS AND CONTACT HOLDERS, INTERRUPTERS, OIL COVERS, SPRINGS, CABLES AND CABLE CONNECTERS, CONDENSERS, AND SHAFT-END PLATES. GUARANTEED PARTS CO., INC., New York, N. Y.
Filed February 23, 1927. Serial No. 244,769. PUBLISHED APRIL 26, 1927. Class 21.

230,927. LADIES' HAND BAGS AND MEN'S POCKETBOOKS MADE OF LEATHER. THEODORE GALLERT, New York, N. Y.
Filed February 24, 1927. Serial No. 244,822. PUBLISHED MAY 24, 1927. Class 3.

230,928. MONTHLY MAGAZINE. CARL L. HARRY, doing business as National Advertising Company, Detroit, Mich.
Filed April 20, 1927. Serial No. 247,734. PUBLISHED MAY 24, 1927. Class 38.

230,929. EGGS. INDEPENDENCE PRODUCE COMPANY, Independence, Iowa.
Filed April 16, 1927. Serial No. 247,538. PUBLISHED MAY 24, 1927. Class 46.

230,930. BUTTER. WEST LIBERTY COOPERATIVE CREAMERY COMPANY, West Liberty, Iowa.
Filed April 15, 1927. Serial No. 247,508. PUBLISHED MAY 24, 1927. Class 46.

230,931. NOM DE PLUME FOR NEWSPAPER SECTIONS AND NEWSPAPER ARTICLES WHICH APPEAR FROM TIME TO TIME. VESBA T. REDMAN, Washington, D. C.
Filed April 15, 1927. Serial No. 247,495. PUBLISHED MAY 24, 1927. Class 38.

230,932. PERIODICAL. THE OUTLOOK COMPANY, New York, N. Y.
Filed April 15, 1927. Serial No. 247,490. PUBLISHED MAY 24, 1927. Class 38.

230,933. BUTTER. EVER FRESH BUTTER CORPORATION, New York, N. Y.
Filed April 14, 1927. Serial No. 247,420. PUBLISHED MAY 24, 1927. Class 46.

230,934. WHEAT FLOUR. THE LARABEE FLOUR MILLS COMPANY, Kansas City, Mo.
Filed April 12, 1927. Serial No. 247,332. PUBLISHED MAY 24, 1927. Class 46.

230,935. STOCK AND POULTRY FEEDS. THE KANSAS FLOUR MILLS CORPORATION, Kansas City, Mo.
Filed April 12, 1927. Serial No. 247,321. PUBLISHED MAY 24, 1927. Class 46.

230,936. ICE CREAM. GEORGE W. ELLIOTT, doing business as Jolly Boy Company, Houston, Tex.
Filed April 11, 1927. Serial No. 247,267. PUBLISHED MAY 24, 1927. Class 46.

230,937. MONTHLY PUBLICATIONS. THE BEARDSLEY & PIPER COMPANY, Chicago, Ill.
Filed April 11, 1927. Serial No. 247,246. PUBLISHED MAY 24, 1927. Class 38.

230,938. MONTHLY MAGAZINE. POULTRY TRIBUNE COMPANY, Mount Morris and Chicago, Ill.
Filed April 9, 1927. Serial No. 247,209. PUBLISHED MAY 24, 1927. Class 38.

230,939. MONTHLY MAGAZINE. MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y.
Filed April 9, 1927. Serial No. 247,192. PUBLISHED MAY 24, 1927. Class 38.

230,940. PERIODICALS. BUILDING AND REALTY NEWS, INC., White Plains, N. Y.
Filed April 9, 1927. Serial No. 247,166. PUBLISHED MAY 24, 1927. Class 38.

230,941. PERIODICAL. AMERICAN PHYSICAL EDUCATION ASSOCIATION, Springfield, Mass.
Filed April 9, 1927. Serial No. 247,158. PUBLISHED MAY 24, 1927. Class 38.

230,942. HAND BAGS. STONE & GROPPER, INC., New York, N. Y.
Filed April 8, 1927. Serial No. 247,149. PUBLISHED MAY 24, 1927. Class 3.

230,943. COMIC STRIP. NEA SERVICE, INC., Cleveland, Ohio.
Filed April 7, 1927. Serial No. 247,093. PUBLISHED MAY 24, 1927. Class 38.

230,944. QUARTERLY PUBLICATIONS. YALE UNIVERSITY PRESS, INC., New Haven, Conn.
Filed April 6, 1927. Serial No. 247,052. PUBLISHED MAY 24, 1927. Class 38.

230,945. LADIES' PURSES AND HAND BAGS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 5, 1927. Serial No. 246,979. PUBLISHED MAY 17, 1927. Class 3.

230,946. EGGS. INDEPENDENCE PRODUCE COMPANY, Independence, Iowa.
Filed April 5, 1927. Serial No. 246,957. PUBLISHED MAY 17, 1927. Class 46.

230,947. WHEAT FLOUR. SAMUEL KNIGHTON & SONS, INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,294. PUBLISHED MAY 17, 1927. Class 46.

230,948. WRITING AND PRINTING PAPER. AMERICAN WRITING PAPER COMPANY, INCORPORATED, Holyoke, Mass.
Filed April 8, 1927. Serial No. 247,113. PUBLISHED MAY 17, 1927. Class 37.

230,949. MAGAZINE PUBLISHED TWICE A MONTH. RETAIL LUMBERMAN PUBLISHING CO., Kansas City, Mo.
Filed April 6, 1927. Serial No. 247,040. PUBLISHED MAY 24, 1927. Class 38.

230,950. PAPER NAPKINS. GROFF PAPER COMPANY, St. Paul, Minn.
Filed April 6, 1927. Serial No. 247,018. PUBLISHED MAY 17, 1927. Class 37.

230,951. MONTHLY MAGAZINE. AUGUST RICHARD ABENHAM, doing business as The Port of New York Publicity Company, New York, N. Y.
Filed April 6, 1927. Serial No. 246,993. PUBLISHED MAY 24, 1927. Class 38.

230,952. WEEKLY MAGAZINE. DONALD T. WRIGHT, St. Louis, Mo.
Filed April 5, 1927. Serial No. 246,988. PUBLISHED MAY 24, 1927. Class 38.

230,953. ALIMENTARY PASTES—NAMELY, MACARONI, NOODLES, AND SPAGHETTI; ROLLED OATS, AND MUSTARD. NEIGHBOR PRODUCTS CO., Chicago, Ill.
Filed April 5, 1927. Serial No. 246,973. PUBLISHED MAY 17, 1927. Class 46.

230,954. ALIMENTARY PASTES—NAMELY, MACARONI, NOODLES, AND SPAGHETTI; ALSO ROLLED OATS AND MUSTARD. NEIGHBOR PRODUCTS CO., Chicago, Ill.
Filed April 5, 1927. Serial No. 246,971. PUBLISHED MAY 24, 1927. Class 46.

230,955. VIOLIN CASES. CARL FISCHER, INC., New York, N. Y.
Filed April 4, 1927. Serial No. 246,945. PUBLISHED MAY 24, 1927. Class 3.

230,956. PERIODICAL PUBLICATION. YOUR GARDEN PUBLISHING COMPANY, INC., Cleveland, Ohio.
Filed April 4, 1927. Serial No. 246,944. PUBLISHED MAY 24, 1927. Class 38.

230,957. BIMONTHLY PUBLICATION OR MAGAZINE. ADELAIDE I. NORTON, Palm Beach, Fla.
Filed April 4, 1927. Serial No. 246,924. PUBLISHED MAY 17, 1927. Class 38.

230,958. BLANK AND PARTIALLY-PRINTED CARDS AND FORMS FOR INDEXES, INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED FORMS OR CARDS, INDEX GUIDE CARDS AND SEPARATOR CARDS OF THE TYPE USED FOR PHONETIC INDEXES, AND FRAMES AND HOLDERS FOR INDEX CARDS. RAND KARDEX BUREAU, INC., Tonawanda, N. Y.
Filed March 31, 1927. Serial No. 246,709. PUBLISHED MAY 17, 1927. Class 37.

230,959. DRY CLEANER AND SPOT REMOVER. LOUIS STECKLER, doing business as Spex-out Products Co., New York, N. Y.
Filed March 30, 1927. Serial No. 246,643. PUBLISHED MAY 24, 1927. Class 4.

230,960. CHOCOLATE-FLAVORED EGG MALTED MILK (A PACKAGED FOOD PRODUCT TO BE USED AS A BASE FOR A BEVERAGE). THOMPSON'S MALTED FOOD COMPANY, Waukesha, Wis.
Filed March 28, 1927. Serial No. 246,518. PUBLISHED MAY 17, 1927. Class 46.

230,961. MIXED PAINT READY FOR USE. STEWART PAINT MFG. CO., Minneapolis, Minn.
Filed March 26, 1927. Serial No. 246,446. PUBLISHED MAY 24, 1927. Class 16.

230,962. PHOTOGRAPHIC PRINTS. PHOTOMATON, INC., New York, N. Y.
Filed March 25, 1927. Serial No. 246,363. PUBLISHED MAY 24, 1927. Class 38.

230,963. PHOTOGRAPHIC PRINTS. PHOTOMATON, INC., New York, N. Y.
Filed March 25, 1927. Serial No. 246,362. PUBLISHED MAY 24, 1927. Class 38.

230,964. DRY, PASTE, OR READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. HARPIC MANUFACTURING COMPANY, LIMITED, London, England.
Filed March 25, 1927. Serial No. 246,345. PUBLISHED MAY 24, 1927. Class 16.

230,965. LACQUERS. NEWARK VARNISH WORKS, INC., Newark, N. J.
Filed March 24, 1927. Serial No. 246,307. PUBLISHED MAY 24, 1927. Class 16.

230,966. LACQUERS. NEWARK VARNISH WORKS, INC., Newark, N. J.
Filed March 24, 1927. Serial No. 246,306. PUBLISHED MAY 24, 1927. Class 16.

230,967. SUSPENDERS. HEWES & POTTER, Boston, Mass., assignor to Hewes & Potter, Incorporated, Boston, Mass., a Corporation of Massachusetts.
Filed March 18, 1927. Serial No. 245,984. PUBLISHED MAY 17, 1927. Class 39.

230,968. PURSES, HAND BAGS, MUFF BAGS, AND POCKETBOOKS. ELISABETH JELLINEK, New York, N. Y.
Filed April 5, 1927. Serial No. 246,958. PUBLISHED MAY 17, 1927. Class 3.

230,969. BOYS' SUITS, BLOUSES, AND PANTS; APRONS, BONNETS, WALKING DRESSES, AND BABY CAPS, DRESSES, GERTRUDES, AND GOWNS. THE JUVENILE MFG. CO., San Antonio, Tex.
Filed April 4, 1927. Serial No. 246,910. PUBLISHED MAY 17, 1927. Class 39.

230,970. BOOTS, SHOES, SLIPPERS MADE OF LEATHER, FABRIC, OR RUBBER OR COMBINATION OF THESE GOODS, RUBBERS. MARKOFF BROTHERS, doing business as Mark-Off Shoe Stores, Danbury and South Norwalk, Conn., and Peekskill, N. Y.
Filed March 31, 1927. Serial No. 246,695. PUBLISHED MAY 17, 1927. Class 39.

230,971. CLOTH GLOVES. GERWEN FABRIC COMPANY, INC., Johnstown, N. Y.
Filed March 29, 1927. Serial No. 246,547. PUBLISHED MAY 17, 1927. Class 39.

230,972. SHOE SNAP FASTENERS NOT MADE OF PRECIOUS METAL AND SHOE SLIDE FASTENERS NOT MADE OF PRECIOUS METAL. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed March 25, 1927. Serial No. 246,378. PUBLISHED MAY 10, 1927. Class 40.

230,973. SNAP FASTENERS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed March 25, 1927. Serial No. 246,361. PUBLISHED MAY 24, 1927. Class 40.

230,974. VIOLIN CASES. PRATHS MUSIC HOUSE, INCORPORATED, Utica, N. Y.
Filed March 25, 1927. Serial No. 246,360. PUBLISHED MAY 17, 1927. Class 3.

230,975. BATHING SHOES. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed March 24, 1927. Serial No. 246,291. PUBLISHED MAY 17, 1927. Class 39.

230,976. BRIEF CASES. WASHINGTON JEWELRY COMPANY, Boston, Mass.
Filed March 22, 1927. Serial No. 246,188. PUBLISHED MAY 17, 1927. Class 3.

230,977. WHEAT FLOUR. FLOUR DISTRIBUTING CO., Newark, N. J.
Filed March 19, 1927. Serial No. 246,021. PUBLISHED MAY 24, 1927. Class 46.

230,978. BLANKETS MADE OF TEXTILE FABRICS. AMERICAN RETAILERS ASSOCIATION INC., New York, N. Y.
Filed March 31, 1926. Serial No. 229,426. PUBLISHED MAY 24, 1927. Class 42.

230,979. MINERAL HEALTH FOOD. NATIONAL MINERAL HEALTH FOOD CO., Chicago, Ill.
Filed April 8, 1926. Serial No. 229,872. PUBLISHED MAY 17, 1927. Class 46.

230,980. LOUD-SPEAKER UNITS. BLOOD TONE ARM COMPANY, Bay City, Mich.
Filed April 12, 1926. Serial No. 230,011. PUBLISHED MAY 17, 1927. Class 21.

230,981. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE, AND DETERGENTS FOR USE IN LAUNDERING OPERATIONS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed May 27, 1926. Serial No. 232,361. PUBLISHED MAY 24, 1927. Class 4.

230,982. LIQUID CLEANSING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE, AND DETERGENTS FOR USE IN LAUNDERING OPERATIONS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed May 27, 1926. Serial No. 232,363. PUBLISHED MAY 24, 1927. Class 4.

230,983. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR AUDIOFREQUENCY TRANSFORMERS, CONDENSERS, AND SOCKETS FOR USE IN RADIO RECEIVING SETS. PACENT ELECTRIC COMPANY, INC., New York, N. Y.
Filed January 12, 1927. Serial No. 242,738. PUBLISHED MAY 10, 1927. Class 21.

230,984. SALAD DRESSING. CHARLES F. MATTLAGE & SONS, INC., New York, N. Y.
Filed November 1, 1926. Serial No. 239,536. PUBLISHED MAY 17, 1927. Class 46.

230,985. ALIMENTARY PASTE PRODUCTS, AND MORE PARTICULARLY FOR MACARONI, SPAGHETTI, VERMICELLI, NOODLES, AND EGG NOODLES, THE LATTER TWO BOTH DRY AND WET AND PREPARED FOR IMMEDIATE USE. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 30, 1926. Serial No. 239,495. PUBLISHED MAY 17, 1927. Class 46.

230,986. ALIMENTARY PASTE PRODUCTS OF ALL KINDS, DRY AND WET AND PREPARED FOR IMMEDIATE USE; ALSO FOR ALIMENTARY PASTES IN THE FORM OF ALPHABETS AND SHELLS AND ADAPTED TO BE USED AS CEREAL BREAKFAST FOODS; MACARONI, SPAGHETTI, VERMICELLI, NOODLES, EGG NOODLES, THE LATTER TWO BOTH DRY AND WET, PREPARED FOR IMMEDIATE USE. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 30, 1926. Serial No. 239,493. PUBLISHED MAY 17, 1927. Class 46.

230,987. POLISHING PASTE FOR SHOES, LIQUID SHOE POLISH, POLISHING STONE FOR SHOES, LEATHER OIL, AND GREASE FOR BOOTS. WERNER & MERTZ AKTIENGESELLSCHAFT, Mainz, Germany.
Filed February 25, 1926. Serial No. 227,817. PUBLISHED MAY 17, 1927. Class 4.

230,988. BLOTTING PAPER. THE EATON-DIKEMAN CO., Lee, Mass.
Filed February 20, 1926. Serial No. 227,578. PUBLISHED MAY 17, 1927. Class 37.

230,989. LIQUID CLEANSING AND POLISHING COMPOUNDS AND DETERGENTS FOR USE ON GLASS, PORCELAIN, TILE, AND THE LIKE, AND DETERGENTS FOR USE IN LAUNDERING OPERATIONS. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed April 27, 1926. Serial No. 230,808. PUBLISHED MAY 24, 1927. Class 4.

230,990. FILTERS AND BATTERY ELIMINATORS FOR USE WITH RADIO APPARATUS. THE ABOX COMPANY, Chicago, Ill.
Filed December 23, 1926. Serial No. 241,850. PUBLISHED APRIL 26, 1927. Class 21.

230,991. ELECTRIC HEADLIGHTS AND REFLECTORS THEREFOR. INDIANA LAMP CORPORATION, Connersville, Ind.
Filed December 10, 1926. Serial No. 241,286. PUBLISHED MAY 17, 1927. Class 21.

230,992. CANNED CREAM OF RAW CELERY SOUP, RAW PARSLEY AND SALT SEASONING, CANNED CREAM OF ASPARAGUS SOUP, CANNED MUSHROOM SOUP, RAW GARLIC AND SALT SEASONING, RAW CELERY AND SALT SEASONING, RAW PARSLEY CREAM DRESSING, AND RAW ONION AND SALT SEASONING. LOUIS G. OSBORN, doing business as Louis G. Osborn Sales Co., Vineland, N. J.
Filed December 3, 1926. Serial No. 240,923. PUBLISHED MAY 24, 1927. Class 46.

230,993. PRINTED FORMS. BANKERS PRINTING COMPANY, San Francisco, Calif.
Filed November 15, 1926. Serial No. 240,067. PUBLISHED MAY 17, 1927. Class 37.

230,994. RADIODIALS, RADIO LOUD SPEAKERS, RADIO RECEIVING SETS, AND RADIO LOUD-SPEAKER UNITS. THE JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich.
Filed January 21, 1925. Serial No. 208,407. PUBLISHED APRIL 26, 1927. Class 21.

230,995. BLANKETS, BEDSPREADS, AND COMFORTABLES. JORDAN MARSH COMPANY, Boston, Mass.
Filed June 25, 1920. Serial No. 134,206. PUBLISHED MAY 24, 1927. Class 42.

230,996. COCOA, CHOCOLATE, NOUGAT, NUTS OF EVERY KIND, AND PREPARATIONS OF THESE, ETC. SAROTTI AKTIENGESELLSCHAFT, Berlin-Tempelhof, Germany.
Filed January 10, 1927. Serial No. 242,625. PUBLISHED MAY 17, 1927. Class 46.

230,997. CLOTH, METAL GOODS, AND PAPER CLEANER. HERBERT F. KRUG, doing business as Diamond Product Company, Detroit, Mich.
Filed March 25, 1926. Serial No. 229,183. PUBLISHED MAY 24, 1927. Class 4.

230,998. FOOD-FLAVORING EXTRACTS. CERTIFIED EXTRACTS INC., New York, N. Y.
Filed January 2, 1926. Serial No. 225,399. PUBLISHED MAY 10, 1927. Class 46.

230,999. DIETETIC FOODS—NAMELY, CEREAL DIETETIC FOODS. CHEMISCHE FABRIK "PROMONTA" GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Hamburg, Germany.
Filed March 25, 1926. Serial No. 229,147. PUBLISHED MAY 17, 1927. Class 46.

231,000. EVAPORATED MILK, COCOA, CONSERVED FRUITS AND FRUIT PRESERVES, HONEY, CANNED SHELLFISH; CANNED MEATS—NAMELY, ROAST BEEF AND TRIPE; DRIED FRUITS—NAMELY, RAISINS, CURRANTS; CANNED SOUPS, GELATIN, FOOD-FLAVORING EXTRACTS, SANDWICH SPREAD HAVING A MAYONNAISE BASE; CONDIMENTS—NAMELY, CATCHCUP, PEPPER; SALAD DRESSINGS, PEANUT BUTTER, OLIVES, CHILE CON CARNE, AND CHOP SUEY. THE PLEE-ZINC CORPORATION, New York, N. Y., and Savannah, Ga.
Filed June 8, 1925. Serial No. 215,476. PUBLISHED MAY 17, 1927. Class 46.

231,001. BATTERIES, RADIO RECEIVING SETS, AND PARTS THEREFOR. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed March 20, 1926. Serial No. 228,909. PUBLISHED MAY 10, 1927. Class 21.

231,002. RADIO APPARATUS AND PARTS—NAMELY, TUBE SOCKETS, RHEOSTATS, PANEL MOUNTINGS, JACKS, TUBE-SOCKET ADAPTERS, INDUCTANCE SWITCHES, SWITCH LEVERS, KNOBS, POTENTIOMETERS, DIALS, AND BINDING POSTS. KING QUALITY PRODUCTS, INC., Buffalo, N. Y.
Filed May 6, 1926. Serial No. 214,063. PUBLISHED APRIL 26, 1927. Class 21.

231,003. LIQUID CLEANING PREPARATION PARTICULARLY USEFUL FOR THE REMOVAL OF OIL, GREASE, TAR, AND MILDEW STAINS FROM FABRICS OR ANY ARTICLE OF APPAREL. LEO HEINEMAN, New York, N. Y.
Filed March 4, 1926. Serial No. 228,107. PUBLISHED MAY 24, 1927. Class 4.

231,004. PRINTED ADVERTISING SIGNS. DAVID RADER, doing business as Radium Adv. Co. of America, New York, N. Y.
Filed February 4, 1925. Serial No. 209,073. PUBLISHED MAY 24, 1927. Class 38.

231,005. FLUID FOR CORRECTING THE GRIPPING CAPACITY OF FRICTION BRAKES. FLOYD KOON, Highland Park, Ill.
Filed March 19, 1926. Serial No. 228,855. PUBLISHED MAY 17, 1927. Class 4.

231,006. POLISHING MATERIALS OF WAX FOR CLEANING AND POLISHING FLOORS. WELT-WACHS-WERK BENNET GÜNTHER SÖHNE, Dresden, Germany.
Filed March 12, 1927. Serial No. 245,674. PUBLISHED MAY 24, 1927. Class 16.

231,007. TOILET TISSUE. NATIONAL PAPER PRODUCTS COMPANY, San Francisco, Calif.
Filed March 14, 1927. Serial No. 245,745. PUBLISHED MAY 17, 1927. Class 37.

231,008. ANTISEPTIC FABRIC, DRY DRESSING MANUFACTURED FROM PREPARED LINT HAVING MEDICINAL AND HEALING PROPERTIES. THE SCHOLL MFG. CO. INC., Chicago, Ill.
Filed March 14, 1927. Serial No. 245,762. PUBLISHED MAY 24, 1927. Class 44.

231,009. MONTHLY PUBLICATION. ABRAHAM LINCOLN SCOTT, New York, N. Y.
Filed March 14, 1927. Serial No. 245,754. PUBLISHED MAY 24, 1927. Class 38.

231,010. SOAP. COLGATE & COMPANY, Jersey City, N. J.
Filed March 15, 1927. Serial No. 245,782. PUBLISHED MAY 24, 1927. Class 4.

231,011. NOM DE PLUME FOR NEWSPAPER AND MAGAZINE ARTICLES, BOOKS, AND PAMPHLETS. FRANCIS MARQUIS, New York, N. Y.
Filed March 16, 1927. Serial No. 245,848. PUBLISHED MAY 17, 1927. Class 39.

231,012. LUBRICATING AND FUEL OILS AND GREASES. PRIMARY OIL COMPANY, Wapello, Iowa.
Filed March 16, 1927. Serial No. 245,862. PUBLISHED MAY 24, 1927. Class 15.

231,013. PUBLICATION ISSUED MONTHLY. ACME BUICK COMPANY, Fort Worth, Tex.
Filed Mar. 18, 1927. Serial No. 245,948. PUBLISHED MAY 17, 1927. Class 38.

231,014. LIGHTNING ARRESTERS. M. M. FLEMON & SON, INC., Trenton, N. J.
Filed March 18, 1927. Serial No. 245,597. PUBLISHED MAY 17, 1927. Class 21.

231,015. LIGHTNING ARRESTERS. M. M. FLEMON & SON, INC., Trenton, N. J.
Filed March 18, 1927. Serial No. 245,976. PUBLISHED MAY 17, 1927. Class 21.

231,016. WHEAT FLOUR. FLOUR DISTRIBUTING CO., Newark, N. J.
Filed March 19, 1927. Serial No. 246,022. PUBLISHED MAY 24, 1927. Class 46.

231,017. WHEAT FLOUR. HOLT & COMPANY, INC., New York, N. Y.
Filed March 19, 1927. Serial No. 246,027. PUBLISHED MAY 24, 1927. Class 46.

231,018. ELECTRIC EGG COOKERS, ELECTRIC AIR HEATERS, AND ELECTRIC ADJUSTABLE LAMPS. THE MAGNAVOX COMPANY, Oakland, Calif.
Filed March 19, 1927. Serial No. 246,088. PUBLISHED MAY 17, 1927. Class 21.

231,019. PERIODICAL PUBLICATIONS. CHAUNCEY P. CARTER, Washington, D. C.
Filed March 21, 1927. Serial No. 246,073. PUBLISHED MAY 17, 1927. Class 38.

231,020. TEXTILE UNION SUITS, UNDERSHIRTS, AND DRAWERS FOR MEN AND BOYS, MADE OF CHECKED NAINSOOK MATERIAL. VARSITY UNDERWEAR COMPANY, Baltimore Md., assignor to Varsity Underwear Company, Incorporated, Baltimore, Md., a Corporation of Maryland.
Filed September 10, 1926. Serial No. 237,102. PUBLISHED MAY 3, 1927. Class 39.

231,021. WORK SHIRTS. DANIEL MILLER COMPANY, Baltimore, Md.
Filed October 22, 1926. Serial No. 239,024. PUBLISHED JANUARY 11, 1927. Class 39.

231,022. SELF-PRESERVING FEED PRODUCT OF SEMISOLID CONSISTENCY MADE FROM MALTED GRAIN. WILLIAM GAHLCK, St. Paul, Minn.
Filed October 23, 1926. Serial No. 239,105. PUBLISHED FEBRUARY 22, 1927. Class 46.

231,023. BANDEAUX SUCH AS BRASSIÈRES. MARGARET SEBEY, New York, N. Y.
Filed October 25, 1926. Serial No. 239,201. PUBLISHED MAY 10, 1927. Class 39.

231,024. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR CHOKE COILS AND CONDENSERS FOR RADIO RECEIVING APPARATUS. PACENT ELECTRIC COMPANY, INC., New York, N. Y.
Filed November 9, 1926. Serial No. 239,865. PUBLISHED MAY 10, 1927. Class 21.

231,025. MEN'S AND BOYS' SUITS. L. KUPFERMAN & Co., New York, N. Y.
Filed November 18, 1926. Serial No. 240,266. PUBLISHED MAY 3, 1927. Class 39.

231,026. APPARATUSES, MACHINES, AND INSTRUMENTS FOR TELEVISION AND ELECTRICAL TRANSMISSION OF PICTURES. TELEFUNKEN, GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany.
Filed November 24, 1926. Serial No. 240,573. PUBLISHED MAY 3, 1927. Class 21.

231,027. BREAD, CAKE, BUNS, CRULLERS. SCHMIDT BAKING COMPANY, INC., Baltimore, Md.
Filed December 2, 1926. Serial No. 240,583. PUBLISHED MAY 24, 1927. Class 46.

231,028. STOCKINGS. WILLIAM F. TAUBEL, INCORPORATED, Riverside, N. J.
Filed December 2, 1926. Serial No. 240,887. PUBLISHED MAY 10, 1927. Class 39.

231,029. MEN'S, WOMEN'S, AND CHILDREN'S KNICKERBOCKERS AND RIDING BREECHES. SAM ROSENBAUM & SONS COMPANY, doing business as Kalamazoo Pant Company, Kalamazoo, Mich.
Filed December 6, 1926. Serial No. 241,069. PUBLISHED MAY 10, 1927. Class 39.

231,030. HOSIERY. HUDSON SILK HOSIERY CO., INC., Charlotte, N. C.
Filed December 28, 1926. Serial No. 242,058. PUBLISHED MAY 10, 1927. Class 39.

231,031. SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed January 3, 1927. Serial No. 242,275. PUBLISHED MAY 3, 1927. Class 39.

231,032. PERMANENT AND PORTABLE ELECTRIC-LIGHTING FIXTURES AND STAND, LAMPS, AND PARTS THEREOF. SILVERGLO LAMPS, INC., Baltimore, Md.
Filed January 7, 1927. Serial No. 242,507. PUBLISHED MAY 10, 1927. Class 21.

231,033. WOMEN'S HATS. JOSEPH H. RUBINOW, INC., New York, N. Y.
Filed January 8, 1927. Serial No. 242,549. PUBLISHED MAY 3, 1927. Class 39.

231,034. GLOVES, MITTENS, AND GAUNTLETS MADE FROM TEXTILE FABRIC, LEATHER, AND COMBINATIONS THEREOF. M. B. HAMILTON & CO., Leavenworth, Kans.
Filed January 11, 1927. Serial No. 242,664. PUBLISHED MAY 10, 1927. Class 39.

231,035. OUTER CLOTHING—NAMELY, OVERCOATS, RAINCOATS, SMOKING JACKETS, HOUSE COATS, NORFOLK JACKETS, TOPCOATS, SACK SUITS, GOLF SUITS, AND SPORT SUITS FOR MEN. HEIDELBERG, WOLFF & CO., New York, N. Y.
Filed January 11, 1927. Serial No. 242,668. PUBLISHED MAY 3, 1927. Class 39.

231,036. BELT TRIMMINGS AND BUCKLES. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed January 14, 1927. Serial No. 242,846. PUBLISHED MAY 24, 1927. Class 40.

231,037. BELT TRIMMINGS AND BUCKLES. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed January 14, 1927. Serial No. 242,847. PUBLISHED MAY 24, 1927. Class 40.

231,038. HAND BAGS AND HAND-BAG FRAMES. AJAY FRAME & BAG COMPANY, Brooklyn, N. Y.
Filed January 18, 1927. Serial No. 242,977. PUBLISHED MAY 17, 1927. Class 3.

231,039. STABILIZERS FOR ELECTRIC CIRCUITS. ELECTRAD, INC., New York, N. Y.
Filed January 18, 1927. Serial No. 242,989. PUBLISHED MAY 3, 1927. Class 21.

231,040. INFANTS', CHILDREN'S, MISSES', AND GROWING GIRLS' LEATHER SHOES. SARAH LIBERMAN, doing business as S. Liberman, New York, N. Y.
Filed January 18, 1927. Serial No. 243,004. PUBLISHED MAY 17, 1927. Class 39.

231,041. HATS FOR MEN AND BOYS. KAUFMAN HATS INC., New York, N. Y.
Filed January 21, 1927. Serial No. 243,159. PUBLISHED MAY 10, 1927. Class 39.

231,042. MEN'S SUITS. THE GRAFF COMPANY, INC., New York, N. Y.
Filed January 24, 1927. Serial No. 243,267. PUBLISHED MAY 10, 1927. Class 39.

231,043. MEN'S, WOMEN'S, AND CHILDREN'S STRAW, PANAMA, AND FELT HATS. BATES THOMPSON, INC., New York, N. Y.
Filed January 26, 1927. Serial No. 243,340. PUBLISHED MAY 3, 1927. Class 39.

231,044. HOSIERY, KNITTED AND WOVEN UNDERWEAR, SWEATERS, AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN; DRESS AND WORK SHIRTS. MAX BRODY, doing business as Brody Brothers, New York, N. Y.
Filed January 26, 1927. Serial No. 243,342. PUBLISHED MAY 3, 1927. Class 39.

231,045. BOYS' BLOUSES AND DRESS SHIRTS. EVERY BUDDY BLOUSE CO., New York, N. Y.
Filed January 26, 1927. Serial No. 243,355. PUBLISHED MAY 10, 1927. Class 39.

231,046. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. JOSEPH S. LEBNER, doing business as Vogue Hosiery Shops, Kansas City, Kans.
Filed January 26, 1927. Serial No. 243,378. PUBLISHED MAY 3, 1927. Class 39.

231,047. INSULATING TAPES, VARNISHED CLOTH, PAPERS, VARNISHED PAPERS, VARNISHED SILK, VARNISHED DUCK AND VARNISHED CANVAS IN SHEETS AND ROLLS, ALL USED FOR ELECTRICAL INSULATION. STANDARD INSULATION COMPANY, Rutherford, N. J.
Filed January 26, 1927. Serial No. 243,396. PUBLISHED APRIL 26, 1927. Class 21.

231,048. NONFREEZE COMPOUND. THE "AKRRUE" MANUFACTURING COMPANY, Cheyenne, Wyo.
Filed January 26, 1927. Serial No. 243,519. PUBLISHED MAY 24, 1927. Class 6.

231,049. SHOES OF LEATHER AND OF LEATHER AND FABRIC COMBINATIONS. THE P. HAGERTY SHOE COMPANY, Washington, Ohio.
Filed February 3, 1927. Serial No. 243,758. PUBLISHED MAY 3, 1927. Class 39.

231,050. LADIES' HATS. ORIGINAL HAT WORKS, Chicago, Ill.
Filed February 3, 1927. Serial No. 243,774. PUBLISHED MAY 3, 1927. Class 39.

231,051. KNITTED AND WOVEN UNDERSHIRTS, UNDERDRAWERS, UNION SUITS, CORSET COVERS, BLOOMERS, UNDERSHIRTS, SLIPS, CHEMISES, KIMONOS, NIGHTGOWNS, PYJAMAS, AND BRASSIÈRES, AND UNDERWEAR MADE OF EITHER KNITTED OR TEXTILE FABRIC FOR USE BY MEN, WOMEN, OR CHILDREN. MORVAY AND SONS COMPANY, Bridgeton, N. J.
Filed February 5, 1927. Serial No. 243,873. PUBLISHED MAY 3, 1927. Class 39.

231,052. SHOES AND BOOTS MADE WHOLLY OR CHIEFLY OF LEATHER. CRSP & BIELSCHOWSKY, Erfurt, Germany.
Filed February 8, 1927. Serial No. 243,997. PUBLISHED MAY 17, 1927. Class 39.

231,053. ART LINEN PIECES, HAIR CURLERS (EXCEPT ELECTRIC), DECORATIVE DESIGN FORMS OF FELT OR FABRIC FOR APPLIQUÉ WORK, DRESS SHIELDS, EMBROIDERIES MADE OF SILK AND WOOL, EMBROIDERY FOUNDATIONS, FABRICS STAMPED WITH EMBROIDERY PATTERNS, FANS FOR PERSONAL USE, HAND SEWING NEEDLES AND KNITTING PINS, HOOKS AND EYES, ART LINEN STAMPED FOR EMBROIDERY, LINGERIE CLASPS NOT MADE OF PRECIOUS METAL, SAFETY PINS NOT MADE OF PRECIOUS METAL AND TRANSFER PATTERNS. THE PALAIS ROYAL, INC., Washington, D. C.
Filed February 9, 1927. Serial No. 244,101. PUBLISHED MAY 10, 1927. Class 40.

231,054. OVERALLS, OVERALL UNION SUITS, WORK SHIRTS, AND WORK PANTS. BELLMORE MANUFACTURING COMPANY, Gainesville, Ga.
Filed February 14, 1927. Serial No. 244,346. PUBLISHED MAY 10, 1927. Class 39.

231,055. LADIES' AND CHILDREN'S NIGHTGOWNS, PYJAMAS, AND SLEEPING GARMENTS, AND MEN'S AND BOYS' NIGHT ROBES AND PYJAMAS. LIBERTY MANUFACTURING CO., Baltimore, Md.
Filed February 15, 1927. Serial No. 244,407. PUBLISHED MAY 3, 1927. Class 39.

231,056. LADIES' AND CHILDREN'S NIGHTGOWNS, PYJAMAS, AND SLEEPING GARMENTS, AND MEN'S AND BOYS' NIGHT ROBES AND PYJAMAS. LIBERTY MANUFACTURING CO., Baltimore, Md.
Filed February 15, 1927. Serial No. 244,408. PUBLISHED MAY 3, 1927. Class 39.

231,057. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS AND UNDERSHIRTS, HOSIERY; MEN'S KNITTED AND TEXTILE FABRIC UNDERWEAR AND PYJAMAS, NIGHTSHIRTS, AND TIES. BOYD-RICHARDSON COMPANY, St. Louis, Mo.
Filed February 17, 1927. Serial No. 244,490. PUBLISHED MAY 3, 1927. Class 39.

231,058. INFANTS' DRESSES, ONE TO SIX YEAR SIZES. MONSHEIMER & JACOBS, New York, N. Y.
Filed February 18, 1927. Serial No. 244,460. PUBLISHED MAY 10, 1927. Class 39.

231,059. WHEAT FLOUR. THE KANSAS MILLING COMPANY, Wichita, Kans.
Filed January 22, 1927. Serial No. 243,218. PUBLISHED MAY 17, 1927. Class 46.

231,060. SOAP. LLOYD BROTHERS, PHARMACISTS, INC., Cincinnati, Ohio.
Filed March 21, 1927. Serial No. 246,100. PUBLISHED MAY 24, 1927. Class 4.

231,061. OIL CIRCUIT BREAKERS, AIR-BREAK SWITCHES, DISCONNECTING SWITCHES, MOTOR CONTROLS, SECTIONALIZING SWITCHES, FUSE TUBES, FUSE-DISCONNECTING SETS, FUSE SUPPORTS, CHOKE COILS, BUS-BAR SUPPORTS, TAP CHANGERS, SOLENOID CONTROLS, FUSE-HANDLING RODS, CURRENT TRANSFORMERS, AND SPECIAL RELAYS. PACIFIC ELECTRIC MANUFACTURING CO., San Francisco, Calif.
Filed March 21, 1927. Serial No. 246,114. PUBLISHED MAY 17, 1927. Class 21.

231,062. TRICKLE CHARGERS. THE HARTFORD BATTERY MFG. CO., Millidale, Conn.
Filed March 22, 1927. Serial No. 246,158. PUBLISHED MAY 17, 1927. Class 21.

231,063. OLIVES, CANNED AND IN BARRELS; CANNED FRUIT—NAMELY, PEACHES; CANNED VEGETABLES — NAMELY, TOMATOES AND SPINACH. EDWARD C. PHOENIX, doing business as Phoenix Bros., Fairoaks, Calif.
Filed March 22, 1927. Serial No. 246,222. PUBLISHED MAY 17, 1927. Class 46.

231,064. LEAD PENCILS, LEADS, TUBES OF LEADS, CRAYONS, AND PENHOLDERS. J. S. STABDTLER, INC., New York, N. Y.
Filed March 23, 1927. Serial No. 246,234. PUBLISHED MAY 17, 1927. Class 37.

231,065. PRINTED BOOKS PUBLISHED FROM TIME TO TIME. THE FOUNDATION PRESS, INC., Cleveland, Ohio.
Filed March 24, 1927. Serial No. 246,276. PUBLISHED MAY 17, 1927. Class 38.

231,066. MEN'S HATS. DALTON HAT CO. INC., Yonkers, N. Y.
Filed March 2, 1927. Serial No. 245,083. PUBLISHED MAY 10, 1927. Class 39.

231,067. MEN'S HATS. DALTON HAT CO. INC., Yonkers, N. Y.
Filed March 2, 1927. Serial No. 245,084. PUBLISHED MAY 10, 1927. Class 39.

231,068. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SWEATERS, SWEATER COATS, SPORT COATS, JACKETS, CARDIGAN JACKETS, CAPS, SCARFS, WRISTLETS, GOLF GLOVES OF WORSTED AND WOOLEN YARNS, SUITS, BREECHES, AND DRESSES. HIGHLAND SHAKER SWEATER CO., Camden, N. J.
Filed March 8, 1927. Serial No. 245,396. PUBLISHED MAY 17, 1927. Class 39.

231,069. LADIES' HATS. STAADECKER & COMPANY, Seattle, Wash.
Filed March 8, 1927. Serial No. 245,412. PUBLISHED MAY 17, 1927. Class 39.

231,070. BOOTS, SHOES, SANDALS, MOCCASINS, AND BATH SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. CHAUSSURES BALLY SOCIÉTÉ ANONYME DE FABRICATION, Schoenenwerd, Switzerland.
Filed March 10, 1927. Serial No. 245,472. PUBLISHED MAY 10, 1927. Class 39.

231,071. KNITTED SWEATERS AND JACKETS. THE GREEN-HAAS-SCHWARTZ COMPANY, Cleveland, Ohio.
Filed March 10, 1927. Serial No. 245,483. PUBLISHED MAY 10, 1927. Class 39.

231,072. LEATHER SHOES. STONE-TARLOW CO. INC., Brockton, Mass.
Filed March 10, 1927. Serial No. 245,523. PUBLISHED MAY 3, 1927. Class 39.

231,073. MEN'S STRAW, FELT, WOOL, SILK, AND OTHER FABRIC HATS AND CAPS. C. T. HALL & CO., New York, N. Y.
Filed March 11, 1927. Serial No. 245,550. PUBLISHED MAY 17, 1927. Class 39.

231,074. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed March 11, 1927. Serial No. 245,554. PUBLISHED MAY 10, 1927. Class 39.

231,075. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed March 12, 1927. Serial No. 245,635. PUBLISHED MAY 10, 1927. Class 39.

231,076. SPARK TIMERS FOR INTERNAL-COMBUSTION MOTORS. THE TOLEDO TIMER CO., Toledo, Ohio.
Filed March 12, 1927. Serial No. 245,671. PUBLISHED MAY 17, 1927. Class 21.

231,077. CAKES AND COOKIES. GERMAN BAKERIES, INC., Chicago, Ill.
Filed March 14, 1927. Serial No. 245,712. PUBLISHED MAY 17, 1927. Class 46.

231,078. DRESS AND WORK SHIRTS, OVERALLS, BLOUSES, TROUSERS, DRESSES; MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR MADE OF KNITTED OR TEXTILE FABRICS; APRONS, SWEATERS, NECKTIES, LUMBERJACKS, COATS, PYJAMAS, MUFFLERS, BATHING SUITS, AND HOSIERY. SCHWARTZ & ZUCKERMAN, New York, N. Y.
Filed March 14, 1927. Serial No. 245,753. PUBLISHED MAY 17, 1927. Class 39.

231,079. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed March 15, 1927. Serial No. 245,777. PUBLISHED MAY 10, 1927. Class 39.

231,080. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' HOSIERY. MCDERMOTT & SHORT, New York, N. Y.
Filed March 15, 1927. Serial No. 245,797. PUBLISHED MAY 10, 1927. Class 39.

231,081. WARDROBE SUITCASES. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed March 16, 1927. Serial No. 245,842. PUBLISHED MAY 17, 1927. Class 3.

231,082. PIN FASTENERS FOR TIDIES, SLIP COVERS, AND DRAPERIES. THE UNITED STATES FASTENER COMPANY, South Boston, Mass.
Filed March 16, 1927. Serial No. 245,873. PUBLISHED MAY 24, 1927. Class 40.

231,083. CRAVATS, FOUR-IN-HAND TIES, BOW TIES, AND NECKTIES. ADVANCE NECKWEAR CO., New York, N. Y.
Filed March 18, 1927. Serial No. 245,950. PUBLISHED MAY 10, 1927. Class 39.

231,084. CHEESE. EMMENTAL CHEESE CORPORATION, New York, N. Y.
Filed March 18, 1927. Serial No. 245,962. PUBLISHED MAY 17, 1927. Class 46.

231,085. LIGHTNING ARRESTERS. M. M. FLERON & SON, INC., Trenton, N. J.
Filed March 18, 1927. Serial No. 245,977. PUBLISHED MAY 17, 1927. Class 21.

231,086. BRAIDS, SHOE LACES, AND HATBANDS. HUGHES FAWCETT, New York, N. Y.
Filed December 9, 1926. Serial No. 241,207. PUBLISHED MAY 3, 1927. Class 40.

231,087. BRAIDS, SHOE LACES, AND HATBANDS. HUGHES FAWCETT, New York, N. Y.
Filed December 9, 1926. Serial No. 241,208. PUBLISHED MAY 3, 1927. Class 40.

231,088. BRAIDS, SHOE LACES, AND HATBANDS. HUGHES FAWCETT, New York, N. Y.
Filed December 9, 1926. Serial No. 241,209. PUBLISHED MAY 3, 1927. Class 40.

231,089. PRESERVED AND CANNED RAISINS AND GRAPES. SUSSMAN, WORMSER & CO., San Francisco, Calif., assignor to The Rubyette Co., San Francisco, Calif., a Corporation of California.
Filed December 13, 1926. Serial No. 241,451. PUBLISHED FEBRUARY 15, 1927. Class 46.

231,090. SLEEPING GARMENT. MALCOLM SEYMOUR, Boston, Mass.
Filed December 17, 1926. Serial No. 241,640. PUBLISHED MAY 3, 1927. Class 39.

231,091. BABIES' AND CHILDREN'S SILK AND WOVEN UNDERWEAR. ROSALIND UNDERWEAR CO. INC., New York, N. Y.
Filed December 18, 1926. Serial No. 241,681. PUBLISHED MAY 3, 1927. Class 39.

231,092. BOOTS AND SHOES MADE OF LEATHER OR LEATHER AND CLOTH. L. Q. WHITE SHOE COMPANY, Bridgewater, Mass.
Filed December 20, 1926. Serial No. 241,757. PUBLISHED MAY 3, 1927. Class 39.

231,093. MEN'S WOOLEN SUITS, OVERCOATS, AND TOPCOATS. SAMUEL PATROWICH, Philadelphia, Pa.
Filed December 23, 1926. Serial No. 241,899. PUBLISHED MAY 3, 1927. Class 39.

231,094. CANNED CORN. SUSSMAN, WORMSER & CO., San Francisco, Calif.
Filed December 23, 1926. Serial No. 241,910. PUBLISHED FEBRUARY 22, 1927. Class 46.

231,095. MEN'S AND BOYS' SUITS AND OVERCOATS. MEIER & FRANK COMPANY, Portland, Oreg.
Filed December 27, 1926. Serial No. 242,016. PUBLISHED MAY 3, 1927. Class 39.

231,096. MAGAZINES, BOOKS, AND NEWSPAPER COLUMNS. MAXSON FOXHALL JUDELL, New York, N. Y.
Filed March 8, 1927. Serial No. 245,398. PUBLISHED MAY 17, 1927. Class 38.

231,097. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,545. PUBLISHED MAY 10, 1927. Class 46.

231,098. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,546. PUBLISHED MAY 10, 1927. Class 46.

231,099. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,548. PUBLISHED MAY 10, 1927. Class 46.

231,100. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,549. PUBLISHED MAY 17, 1927. Class 46.

231,101. PORCELAIN INSULATOR KNOBS. GENERAL PORCELAIN COMPANY, Parkersburg, W. Va.
Filed March 12, 1927. Serial No. 245,620. PUBLISHED MAY 24, 1927. Class 21.

231,102. CANNED AND BOTTLED VEGETABLES—NAMELY, CORN, BEANS, MIXED VEGETABLES FOR SOUP, BEETS, HOMINY, SAUERKRAUT, SPINACH, SQUASH, ASPARAGUS, ASPARAGUS TIPS, OKRA, PEAS; CANNED AND BOTTLED FRUITS—NAMELY, APPLES, PEACHES, APRICOTS, PLUMS, PEARS, CHERRIES, PINEAPPLE; CANNED AND BOTTLED BERRIES—NAMELY, DEWBERRIES, BLACKBERRIES, STRAWBERRIES, RASPBERRIES, AND GOOSEBERRIES. THE J. M. PAVER COMPANY, Chicago, Ill.
Filed March 12, 1927. Serial No. 245,654. PUBLISHED MAY 17, 1927. Class 46.

231,103. A DAIRY PRODUCT—NAMELY, A THICK CREAM. LOUIS S. RASKAS, St. Louis, Mo.
Filed March 12, 1927. Serial No. 245,656. PUBLISHED MAY 17, 1927. Class 46.

231,104. SPARK TIMERS FOR INTERNAL-COMBUSTION MOTORS. THE TOLEDO TIMER CO., Toledo, Ohio.
Filed March 12, 1927. Serial No. 245,670. PUBLISHED MAY 17, 1927. Class 21.

231,105. MONTHLY MAGAZINE. THE CONSRAD CO., INC., New York, N. Y.
Filed March 14, 1927. Serial No. 245,695. PUBLISHED MAY 17, 1927. Class 38.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

231,106. (CLASS 39. CLOTHING.) SIMON COLLIER, LIMITED, Northampton, England. Filed Aug. 17, 1925. Serial No. 219,015.

SELBORNE

Particular description of goods.—Boots and Shoes Made of Leather, of Leather and Rubber, and of Fabric.
Claims use since Jan. 22, 1912.

231,107. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & Co., Chicago, Ill., Filed May 12, 1926. Serial No. 231,470.

Stay down

Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since about Oct. 10, 1925.

231,108. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ASSOCIATED CARPET COMPANY, New York, N. Y. Filed July 2, 1926. Serial No. 234,018.

ASSOCIATED CARPET COMPANY

Particular description of goods.—Textile Carpets.
Claims use since June 29, 1926.

231,109. (CLASS 39. CLOTHING.) TURCHIN BROS., New York, N. Y. Filed May 1, 1925. Serial No. 213,674.

STRETCHBACK

Particular description of goods.—Youths' and Children's Hats.
Claims use since about Apr. 15, 1925.

231,110. (CLASS 39. CLOTHING.) NEW YORK MERCANTILE CO., St. Louis, Mo. Filed Aug. 16, 1926. Serial No. 236,049.

Westchester

Particular description of goods.—Hats and Caps for Men, Women, and Children.
Claims use since May 25, 1926.

231,111. (CLASS 20. LINOLEUM AND OILED CLOTH.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Aug. 19, 1926. Serial No. 236,153.



Particular description of goods.—Oilcloth.
Claims use since June 1, 1926.

231,112. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Sept. 7, 1926. Serial No. 236,925.

No Rip
BLUE STITCH

Particular description of goods.—Men's, Women's, and Children's Athletic Underwear of Textile Fabric Made of Nainsook, Madras, and All-Cotton and Silk and Cotton Fabrics.
Claims use since June 1, 1926.

231,113. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Oct. 26, 1926. Serial No. 239,270.

Silverblend

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, and Overcoats for Men, Youths, and Boys.
Claims use since Mar. 1, 1926.

231,114. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Oct. 26, 1926. Serial No. 239,271.

Twist Knit

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, and Overcoats for Men, Youths, and Boys.
Claims use since Mar. 1, 1926.

231,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COMPRESSED SPRUCE PRODUCTS COMPANY, INC., West Orange, N. J. Filed Nov. 19, 1926. Serial No. 240,292.



Particular description of goods.—Pulleys, Gears, and Rollers for Endless-Belt Conveyers, Made from Compressed Spruce.
Claims use since on or about Apr. 1, 1926.

231,116. (CLASS 37. PAPER AND STATIONERY.) THE DIEM & WING PAPER CO., Cincinnati, Ohio. Filed Dec. 2, 1926. Serial No. 240,850.

GUNMETAL KRAFT

Particular description of goods.—Gray Kraft Paper.
Claims use since May, 1926.

231,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUPERT E. BARNETT, Nashville, Tenn. Filed Dec. 13, 1926. Serial No. 241,385.

SOLIFIED BUTTERMILK

Particular description of goods.—Condensed Cultured Buttermilk Animal Food.
Claims use since Sept. 1, 1924.

231,118. (CLASS 38. PRINTS AND PUBLICATIONS.) BRIEF ENGLISH SYSTEMS, INC., New York, N. Y. Filed Jan. 11, 1927. Serial No. 242,655.

Speedwriting

Particular description of goods.—Printed Lessons and Examination Sheets Issued from Time to Time.
Claims use since Dec. 29, 1924.

231,119. (CLASS 39. CLOTHING.) N. Y. MFG. CORP., New York, N. Y. Filed Feb. 8, 1927. Serial No. 244,023.

BOBBY LEE

Particular description of goods.—Boys' Hats and Caps.
Claims use since January, 1920.

231,120. (CLASS 10. FERTILIZERS.) INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y. Filed Feb. 12, 1927. Serial No. 244,305.

PREMIUM PRODUCER

Particular description of goods.—Fertilizers.
Claims use since February, 1925.

231,121. (CLASS 39. CLOTHING.) PERSBURY CLOTHING CORP., New York, N. Y. Filed Mar. 11, 1927. Serial No. 245,578.

TAILORED TOT-KOAT

Particular description of goods.—Boys' Suits, Topcoats, Overcoats, and Reefers.
Claims use since June 1, 1926.

231,122. (CLASS 39. CLOTHING.) ALEXANDER & OVIATT, Los Angeles, Calif. Filed Mar. 30, 1927. Serial No. 246,582.

OVIATT MODEL

Particular description of goods.—Outer Suits, Flannel Trousers, Coats, Hats for Men, Neckties, Dress Vests, and Sweaters.
Claims use since 1919.

231,123. (CLASS 39. CLOTHING.) GATES, MILLS & DRISCOLL, INC., Johnstown, N. Y. Filed Apr. 2, 1927. Serial No. 246,830.

CORDSEWN

Particular description of goods.—Gloves Constructed of Leather or Fabric or Combinations of Said Materials.
Claims use since Oct. 15, 1925.

231,124. (CLASS 39. CLOTHING.) NATHAN E. BERMAN, New York, N. Y. Filed Apr. 9, 1927. Serial No. 247,161.

SHRINK-PROOF

Particular description of goods.—Dress, Negligee, and Work Shirts for Men and Boys.
Claims use since about Feb. 18, 1926.

231,125. (CLASS 39. CLOTHING.) NATURES RIVAL CO., Chicago, Ill. Filed Apr. 11, 1927. Serial No. 247,281.

PARISFORM

Particular description of goods.—Women's Fitted Garments Comprising Brassières, Small Corsets, and Combinations of the Same.
Claims use since Feb. 8, 1922.

231,126. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM B. BEUCKMAN, Rochester, N. Y. Filed Apr. 18, 1927. Serial No. 247,593.

Beuckman's

Particular description of goods.—Cleaning Fluids Used for Cleaning Fabrics, to Remove Dirt, Grease, Etc.
Claims use since January, 1912.

231,127. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARGARET S. TENNENT, doing business as "Hard Cold Hanky Company," Caledonia, N. Y. Filed Apr. 20, 1927. Serial No. 247,761.

HARD COLD HANKY

Particular description of goods.—Emergency Handkerchiefs.
Claims use since Feb. 1, 1926.

231,128. (CLASS 39. CLOTHING.) WAERBEETER NECKTIE CORPORATION, New York, N. Y. Filed May 18, 1927. Serial No. 249,206.

WAERBEETER NECKTIES

Particular description of goods.—Neckties.
Claims use since 1922.

231,129. (CLASS 39. CLOTHING.) ROYAL MANUFACTURING COMPANY, Allentown, Pa. Filed May 19, 1927. Serial No. 249,288.

Princeton

Particular description of goods.—Men's Union Athletic Textile-Fabric Underwear.
Claims use since Oct. 5, 1923.

231,130. (CLASS 39. CLOTHING.) A. S. UNIFORM MFG. CO., INC., Brooklyn, N. Y. Filed May 20, 1927. Serial No. 249,317.

MIDDLESEX BLUES

Particular description of goods.—Men's Military Uniforms.
Claims use since about April, 1923.

LABELS

REGISTERED AUGUST 9, 1927.

32,530.—*Title:* ABBOTTS PHILADELPHIA ICE CREAM. For Ice Cream. ABBOTTS ALDERNEY DAIRIES, INC., Philadelphia, Pa. Published May 1, 1927.

32,531.—*Title:* ABBOTTS PHILADELPHIA ICE CREAM. For Ice Cream. ABBOTTS ALDERNEY DAIRIES, INC., Philadelphia, Pa. Published January 1, 1927.

32,532.—*Title:* BLUE BELL. For Brooms and Mops. BELL BROOM & BRUSH CO., Middlesboro, Ky. Published February 1, 1927.

32,533.—*Title:* SOUTHERN ARISTOCRAT. For Guava Jelly. LEON L. BLUM, doing business as L. L. Blum & Co., Kendal, Fla. Published September 15, 1926.

32,534.—*Title:* SPRAY AWAY. For Cold-Cure Preparations. SUSAN MERIWETHER BOOCHER, Strafford, Pa. Published June 21, 1927.

32,535.—*Title:* BESTGRADE. For Mayonnaise. CALIFORNIA CONDIMENT COMPANY, Los Angeles, Calif. Published May 2, 1927.

32,536.—*Title:* ARCTIC. For Iceberg Lettuce. COCHRAN-TURNEY-CRISPO, INC., New York, N. Y., and Los Angeles, Calif. Published June 1, 1927.

32,537.—*Title:* CRISP-O. For Cantaloupes. COCHRAN-TURNEY-CRISPO, INC., New York, N. Y., and Los Angeles, Calif. Published June 1, 1927.

32,538.—*Title:* CRISP-O. For Honeyball Melons. COCHRAN-TURNEY-CRISPO, INC., New York, N. Y., and Los Angeles, Calif. Published June 1, 1927.

32,539.—*Title:* CRISP-O. For Honeydew Melons. COCHRAN-TURNEY-CRISPO, INC., New York, N. Y., and Los Angeles, Calif. Published June 1, 1927.

32,540.—*Title:* CAVALIER WEAVINGS. For Bed Coverlets. CHARLES H. DUNSTER, doing business as Cavalier Coverlet Co., New York, N. Y. Published February 8, 1927.

32,541.—*Title:* YELLOW FLAG. For Fresh Apples. EARL FRUIT COMPANY, Wenatchee, Wash. Published December 31, 1926.

32,542.—*Title:* SHINE-ALL. For a Liquid Chemical Cleanser. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Published April 5, 1927.

32,543.—*Title:* THE ORIGINAL CHAS. HOLLENBACH'S 314. For Meat Rolls. CHAS. HOLLENBACH, Chicago, Ill. Published May 19, 1927.

32,544.—*Title:* PHEASANT. For Bologna-Style Sausage. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,545.—*Title:* PHEASANT. For Pure Lard. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,546.—*Title:* PHEASANT. For Cooked Ham. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,547.—*Title:* PHEASANT. For Bacon. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,548.—*Title:* PHEASANT. For Ham. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,549.—*Title:* PHEASANT. For Fresh Sausage. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,550.—*Title:* PHEASANT. For Sausage. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,551.—*Title:* PHEASANT. For Smoked Shoulder. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published July 5, 1927.

32,552.—*Title:* GOOD BUTTER. For Butter. LANGE CREAMERY INC., doing business as Lange Creamery Company, Kansas City, Mo. Published May 2, 1927.

32,553.—*Title:* BRIDAL VEIL. For Lemons. LIMONEIRA COMPANY, Santa Paula, Calif. Published April 2, 1927.

32,554.—*Title:* LOMA. For Lemons. LIMONEIRA COMPANY, Santa Paula, Calif. Published April 2, 1927.

32,555.—*Title:* WHITE CROSS. For Lemons. LIMONEIRA COMPANY, Santa Paula, Calif. Published April 2, 1927.

32,556.—*Title:* SELECTED. For Lemons. LIMONEIRA COMPANY, Santa Paula, Calif. Published April 2, 1927.

32,557.—*Title:* PALE DRY GINGER ALE. For Ginger Ale. MAGIC SODA & MINERAL WATER CO., New York, N. Y. Published May 1, 1927.

32,558.—*Title:* MATERNEX. For a Tonic for Building Up of the Reproductive Organs. MATERNEX M'F'G. CHEMISTS, New York and Woodhaven, N. Y. Published September 15, 1926.

32,559.—*Title:* PEERLESS. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Peerless Butter Company, Memphis, Tenn. Published June 20, 1927.

32,560.—*Title:* CHAPMAN'S CHOICE CREAMERY BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Chapman Co., Cleveland, Ohio. Published June 22, 1927.

32,561.—*Title:* ELFIN. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published June 29, 1927.

32,562.—*Title:* ELKSKIN TISSUE. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published June 29, 1927.

32,563.—*Title:* REDMOND'S PEANUT BILLY-KYNS. For Candy. THE REDMOND CANDY COMPANY, Indianapolis, Ind. Published October 8, 1925.

32,564.—*Title:* SALADA MIXED TEA. For Tea. SALADA TEA COMPANY, Boston, Mass. Published February 7, 1927.

32,565.—*Title:* SALADA GREEN TEA. For Tea. SALADA TEA COMPANY, Boston, Mass. Published March 1, 1927.

32,566.—*Title:* RUF-AMBER. For Ginger Ale. SIERRA CLUB BEVERAGE CO. INC., Los Angeles and Glendale, Calif. Published March 1, 1927.

32,567.—*Title:* SUNLAND'S TWIN PACKET. For Shampoo. SUNLAND LABORATORIES, INC., Los Angeles, Calif. Published January 27, 1927.

32,568.—*Title:* COLLEGIATE MUFFLER & TIE SET. For a Muffler and Tie Set. UNITED STATES PAPER BOX CO., INC., Philadelphia, Pa. Published April 1, 1927.

32,569.—*Title:* EXCLUSIVE DESIGN. For Necktie. UNITED STATES PAPER BOX CO., INC., Philadelphia, Pa. Published April 1, 1927.

32,570.—*Title:* GREETINGS. For Neckties. UNITED STATES PAPER BOX CO., INC., Philadelphia, Pa. Published April 1, 1927.

32,571.—*Title:* CINDERELLA NOVELTIES. For Novelties. WERTHEIMER & LEVY, INC., New York, N. Y. Published April 1, 1927.

32,572.—*Title:* MOUNTAIN BOY. For Apples. YUCAIPA VALLEY FRUIT CO., Yucaipa, Calif. Published April 2, 1927.

PRINTS

REGISTERED AUGUST 9, 1927.

10,099.—*Title:* ONE FACT OUTWEIGHS A THOUSAND THEORIES. For Buckles. THE ADJUSTA CO., New New York, N. Y. Published June 10, 1927.

10,100.—*Title:* HAVE SOME REFRESHMENTS! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 10, 1927.

10,101.—*Title:* WHERE FIT AND FREEDOM MEET! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published July 2, 1927.

10,102.—*Title:* THE HARDEST CROP TO RAISE—BABIES! For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 25, 1927.

10,103.—*Title:* PEASANT ART INDUSTRY MADE IN CZECHOSLOVAKIA. For Examples of Peasant Art. CZECHO PEASANT ART CO. INC., New York, N. Y. Published June 10, 1927.

10,104.—*Title:* IMAGINASHUN IS FINE—BUT ESKIMO PIE IS THE REAL THING. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published April 2, 1927.

10,105.—*Title:* MY MOTHER IS THE BEST MOTHER IN THE WORLD. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published May 7, 1927.

10,106.—*Title:* YOU GOTTA HAND IT TO ESKIMO PIE. For Frozen Confections. ESKIMO PIE CORPORATION, Louisville, Ky. Published May 31, 1927.

10,107.—*Title:* JOHN KELLY SAYS: 'I ALWAYS COME BACK TO MY GILLETTE.' For Safety Razors. GILLETTE SAFETY RAZOR COMPANY, New York, N. Y. Published April 23, 1927.

10,108.—*Title:* WEAR A MILBURY ATLANTIC AND SWIM LIKE A FISH. For Bathing Apparel. THE MILBURY ATLANTIC MANUFACTURING CO., New York, N. Y. Published March 1, 1926.

10,109.—*Title:* REJUVENÉ. For Cosmetics. REJUVENÉ MANUFACTURING CO., Berkeley, Calif. Published January 10, 1927.

10,110.—*Title:* FAIRY FILLED FELT GUARANTEED MATTRESSES. For Matresses. SPIEGEL, MAY, STERN CO., Chicago, Ill. Published July 20, 1927.

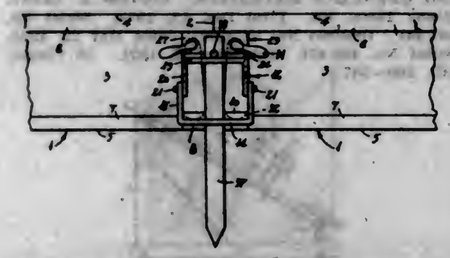
10,111.—*Title:* W. W. HEALTH DRINKS, INC. For Soft Drinks. CHARLES W. WESTON, doing business as W. W. Health Drinks, Inc., Pampa, Tex. Published June 1, 1927.

10,112.—*Title:* THE HANDY BOTTLE. For Soft Drinks. WHISTLE COMPANY OF AMERICA, INC., New York, N. Y. Published March 10, 1927.

REISSUES

AUGUST 9, 1927.

16,694. EXPANSION PEDESTAL. JOHN N. HELTZEL, Warren, Ohio. Filed Dec. 17, 1925. Serial No. 76,131. Original No. 1,488,633, dated Apr. 1, 1924, Serial No. 639,426, filed May 16, 1923. 43 Claims. (Cl. 25—118.)



20. A device of the character described comprising expansible means to be disposed between flanges of a concrete form rail and clamped against said flanges, and a stake-engaging member connected to said means.

16,696. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. CHARLES FREDERICK HEYWOOD, Detroit, Mich. Filed Jan. 11, 1926. Serial No. 80,682. Original No. 1,481,091, dated Jan. 15, 1924, Serial No. 495,916, filed Aug. 27, 1921. 15 Claims. (Cl. 60—16.) Division A.



1. In a device for starting and applicable to the operation of internal combustion engines, means for supplying compressed fluid, means for supplying fuel, receiving means for said fluid and fuel, said last mentioned means provided with means for distributing compressed starting fluid to one cylinder when its piston is on its working stroke for starting by the expansion of said fluid, and a compressed carburetted mixture of fluid and fuel to another cylinder when its piston is on its compression stroke, said distributing means being capable of effecting the continued distribution of said fluid and mixture to working and compression cylinders in cyclic manner during the operation of the engine.

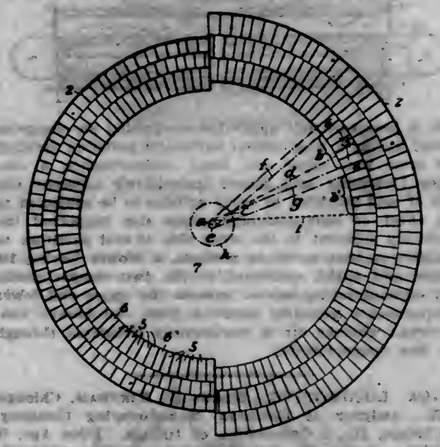
16,696. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. CHARLES FREDERICK HEYWOOD, Detroit, Mich. Filed Jan. 11, 1926. Serial No. 80,682. Divided and this application filed June 11, 1927. Serial No. 198,287. Original No. 1,481,091, dated Jan. 15, 1924, Serial No. 495,916, filed Aug. 27, 1921. 10 Claims. (Cl. 60—16.) Division B.

3. In a device for starting and applicable to the operation of internal combustion engines, a distributing receiver, means for supplying carburetted fluid under compression to said receiver, inlets individual to each cylinder, a rotary valve in the receiver for controlling the inlets, a port in said valve permitting admission of the carburetted fluid to the cylinders in sequence, smaller ports in said valve permitting concurrent admission of the



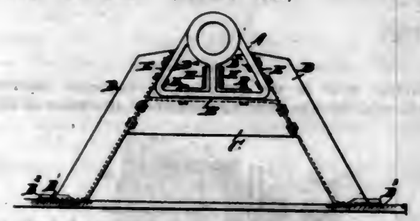
carburetted fluid to the inlets of the cylinders next in progressive firing order, and means for rotating said valve.

16,697. BLAST FURNACE. WALLACE A. STUART, Cleveland, Ohio, assignor of one-half to Brooke L. Jarrett, Sewickley, Pa. Filed June 27, 1927. Serial No. 201,943. Original application filed Dec. 27, 1924, Serial No. 758,483. Continued and application filed Jan. 26, 1926, Serial No. 83,847. Original No. 1,632,633, dated June 14, 1927. 2 Claims. (Cl. 72—93.)



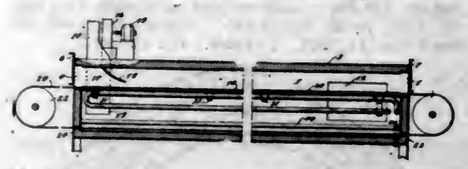
2. A circular furnace wall construction of nonuniform diameter having blocks laid in horizontal courses, of a plurality of rows, each row containing a complete set of key blocks having radial sides and which are segments of a circle and are capable of turning a complete circle when laid side by side, the key blocks in the respective rows being segments of concentric circles, each row whose diameter is greater than the diameter of the circle of which its key blocks are segments, having at least one straight-sided block therein, the number of key blocks in the rows of each course being integral multiples of each other and the circumferential spaces filled by the straight blocks in each row of a course being equal, the blocks in each row of a course being offset with respect to the blocks of an adjacent row of the same course so as to break joints therewith, the blocks in a row of one course being offset laterally with respect to the blocks of the corresponding row of the next course so as to break vertical joints therewith, the blocks of each row of a course being of a length different from that of the blocks of the corresponding row in the next adjacent course, so that the joints between the ends of the blocks are broken vertically.

16,698. VEHICLE SHIPPING JACK OR BRACKET. ISADOR LEO FRIEDLAENDER, Detroit, Mich. Filed May 13, 1925. Serial No. 30,122. Original No. 1,521,613, dated Jan. 6, 1925, Serial No. 660,431, filed Aug. 31, 1923. 13 Claims. (Cl. 105—368.)



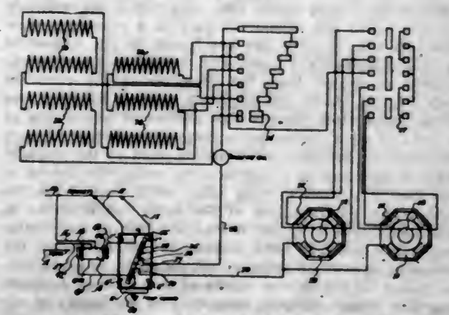
1. In a device of the character described, a single unit fitting tapped to receive a screw threaded part of the vehicle and including combined attaching and operating members integral with said unit whereby to manipulate the unit for attaching the fitting to a support and the screw threaded part of the vehicle.

16,699. APPARATUS FOR HEATING, COOLING, OR DRYING MATERIALS. VERNON CANO, Elizabeth, N. J. Filed Oct. 28, 1926. Serial No. 144,884. Original No. 1,502,078, dated July 13, 1926, Serial No. 55,432, filed Sept. 10, 1925. 4 Claims. (Cl. 34—12.)



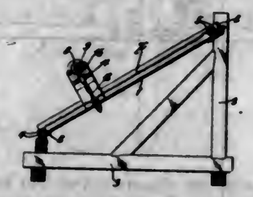
3. A heat exchange apparatus comprising an elongated tunnel having a longitudinal horizontal partition dividing the same into upper and lower compartments, a conveyor traversing said tunnel immediately adjacent one side of said partition to carry articles to be subjected to the effect of heat exchange, pipes also supported immediately adjacent to the other side of said partition to circulate a heat exchange medium, a blower having its intake and outlet connected to the two compartments, and communicating means between the upper and lower compartments remotely situated from the blower connections; whereby air is continuously circulated through the two compartments.

16,700. LOCOMOTIVE. SIDNEY W. FARNHAM, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1927. Serial No. 181,578. Original No. 1,558,971, dated Oct. 27, 1925, Serial No. 758,023, filed Dec. 26, 1924. 2 Claims. (Cl. 191—8.)



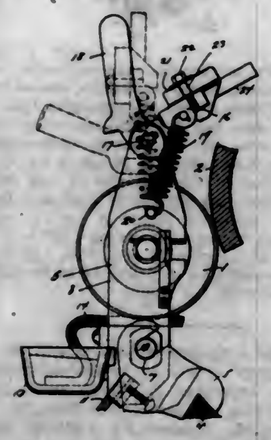
1. In a gathering locomotive provided with control and reverse drums, and with a motor circuit adapted to be selectively connected with a source of power supply through a trolley or a gathering reel, a double conductor cable and rotating contactor devices associated with said gathering reel, and switching means independent of said reverse drum for completing said motor circuit through the trolley and a ground connection on the locomotive frame in one position, and completing the circuit through the double conductor cable and contact devices on the gathering reel, when in a second position, said last named circuit being wholly disconnected from said locomotive frame.

16,701. METHOD OF AND APPARATUS FOR SCREENING GRANULAR MATERIALS. RICHARD A. LEAHY, Bonne Terre, Mo. Filed Dec. 18, 1923. Serial No. 681,441. Original No. 1,456,067, dated May 22, 1923, Serial No. 456,431, filed Mar. 28, 1921. 18 Claims. (Cl. 209—347.)

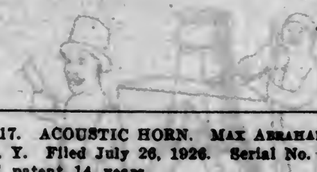


5. The method of screening granular materials comprising, vibrating a stretched screening medium by downward deflection thereof intermediate its ends, releasing the same, suddenly arresting each upward movement of the medium and before it reaches the end of its otherwise normal upward vibrating movement, and passing the material over the vibrating medium, whereby the particles will be thrown upwardly with forces proportional to their masses.

16,702. SLITTING MEANS. ROBERT MCC. JOHNSTONE, Roselle Park, N. J., assignor to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed June 16, 1927. Serial No. 199,387. Original No. 1,597,800, dated Aug. 31, 1926, Serial No. 636,134, filed May 2, 1923. 7 Claims. (Cl. 164—60.)



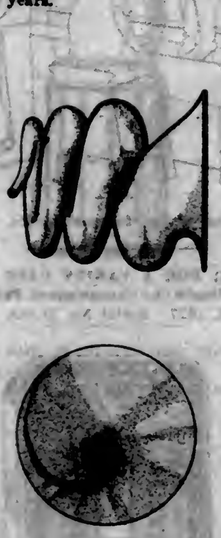
2. Slitting means comprising: a backing roll, a score cutter, a pivotal support, an upright cutter supporting lever mounted at its lower end on the pivotal support, and a spring member, for pressing the cutter against the backing roll, connected to the lower end of the cutter supporting lever.



DESIGNS

AUGUST 9, 1927.

73,217. ACOUSTIC HORN. MAX ABRAHAMS, New York, N. Y. Filed July 26, 1926. Serial No. 18,488. Term of patent 14 years.



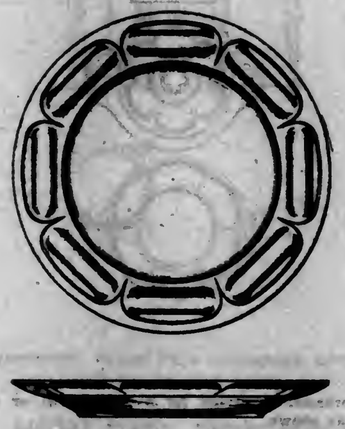
The ornamental design for an acoustic horn as shown.

73,218. ACOUSTIC HORN. MAX ABRAHAMS, New York, N. Y. Filed Aug. 13, 1926. Serial No. 18,785. Term of patent 14 years.



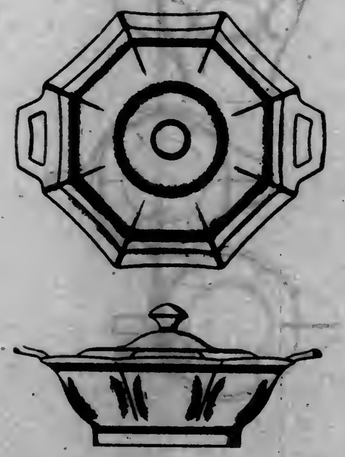
The ornamental design for an acoustic horn as shown.

73,219. PLATE OR SIMILAR ARTICLE. GEORGE R. AHRENDTS, Niles, Ohio, assignor to The Atlas-Globe China Company, Niles, Ohio, a Corporation of Ohio. Filed Apr. 29, 1927. Serial No. 21,789. Term of patent 7 years.



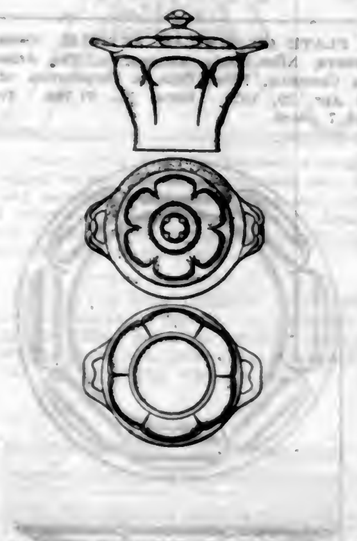
The ornamental design for a plate or similar article, as shown.

73,220. CASSEROLE. GEORGE R. AHRENDTS, Niles, Ohio, assignor to The Atlas-Globe China Company, Niles, Ohio, a Corporation of Ohio. Filed June 6, 1927. Serial No. 22,341. Term of patent 7 years.



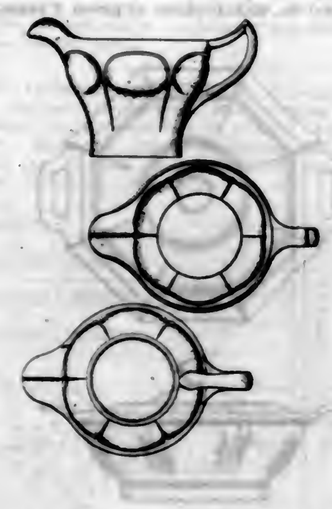
The ornamental design for a casserole as shown.

73,221. SUGAR BOWL OR SIMILAR ARTICLE. GEORGE R. AHRENDTS, Niles, Ohio, assignor to The Atlas-Globe China Company, Niles, Ohio, a Corporation of Ohio. Filed June 6, 1927. Serial No. 22,342. Term of patent 7 years.



The ornamental design for a sugar bowl or similar article, as shown.

73,222. PITCHER. GEORGE R. AHRENDTS, Niles, Ohio, assignor to The Atlas-Globe China Company, Niles, Ohio, a Corporation of Ohio. Filed June 6, 1927. Serial No. 22,343. Term of patent 7 years.



The ornamental design for a pitcher, as shown.

73,223. STATUETTE. SAMUEL I. BERGER, Newark, N. J. Filed May 14, 1925. Serial No. 13,443. Term of patent 7 years.



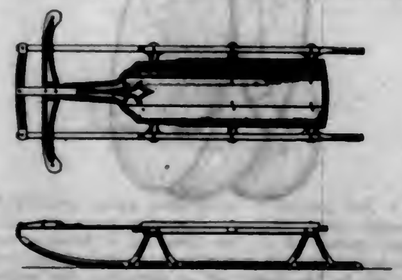
The ornamental design for a statuette, as shown.

73,224. COVER FOR A VANITY CASE OR SIMILAR ARTICLE. PERCY J. CALLOWHILL, Providence, R. I. Filed Mar. 28, 1927. Serial No. 21,868. Term of patent 7 years.



The ornamental design for a cover for a vanity case or similar article as shown.

73,225. SLED. WILLIAM HENRY ELFRETH, Westtown, and GUSTAV B. WEISS, Philadelphia, Pa. Filed Jan. 20, 1927. Serial No. 20,447. Term of patent 14 years.



The ornamental design for a sled, substantially as shown.

73,226. BOTTLE. MORRIS FOX, Norwich, Conn. Filed May 19, 1927. Serial No. 22,099. Term of patent 14 years.



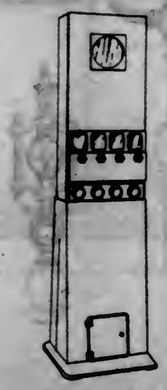
The ornamental design for a bottle, as shown.

73,227. DIAL FOR WATCHES OR CLOCKS. JULES JACOT GUILLARMOD, New York, N. Y. Filed Mar. 1, 1926. Serial No. 16,706. Term of patent 14 years.



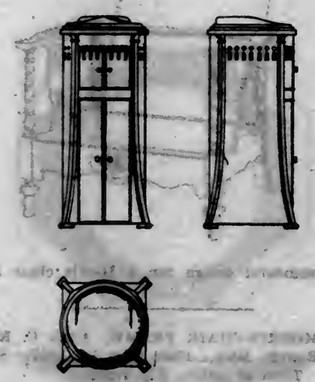
The ornamental design for a dial for watches or clocks.

73,228. DISPENSING-MACHINE CASE. PENROSE R. HOOPES, Hartford, Conn., assignor to The New England Enameling Company, Inc., Middletown, Conn., a Corporation of Connecticut. Filed May 3, 1926. Serial No. 17,538. Term of patent 14 years.



The ornamental design for a dispensing machine case, as shown.

73,229. PHONOGRAPH CABINET. ALEXANDER HUDSON, Round Lake, Minn. Filed Apr. 5, 1927. Serial No. 21,458. Term of patent 14 years.



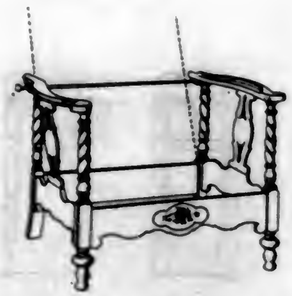
The ornamental design for a phonograph cabinet, as shown.

73,230. DISPLAY STAND. WILLIAM EVANS KEHOE, San Francisco, Calif. Filed Apr. 20, 1927. Serial No. 21,650. Term of patent 14 years.



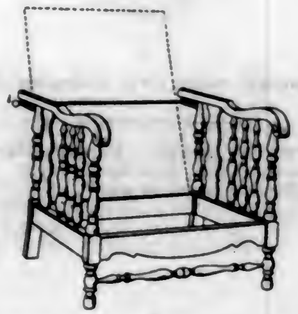
The ornamental design for a display stand, as shown.

73,231. MORRIS-CHAIR FRAME. CARL C. KUSTERER, Grand Rapids, Mich. Filed Mar. 14, 1927. Serial No. 21,135. Term of patent 3½ years.



The ornamental design for a Morris chair frame as shown.

73,232. MORRIS-CHAIR FRAME. CARL C. KUSTERER, Grand Rapids, Mich. Filed Mar. 14, 1927. Serial No. 21,136. Term of patent 3½ years.



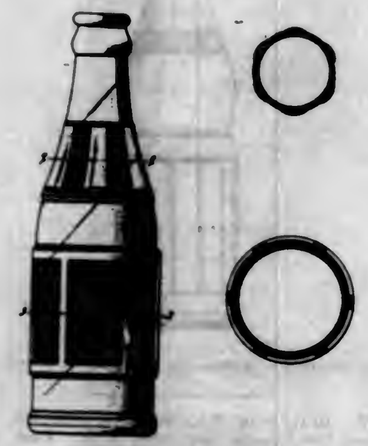
The ornamental design for a Morris chair frame as shown.

73,233. BOTTLE. JOHN P. LASATER, Paris, Tenn. Filed May 19, 1927. Serial No. 22,098. Term of patent 7 years.



The ornamental design for a bottle, as shown.

73,234. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed May 16, 1927. Serial No. 22,003. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

73,235. LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1927. Serial No. 21,625. Term of patent 3½ years.



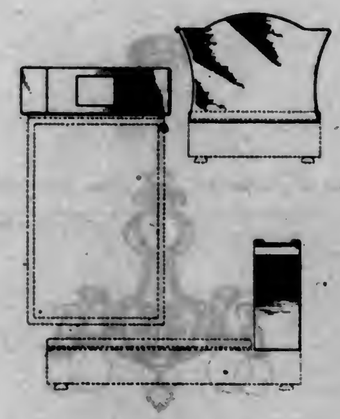
The ornamental design for a lighting fixture, as shown.

73,236. VALVE BODY. HENRY D. RAHLING, East Aurora, N. Y., assignor to Steel Drum Accessories Corporation, Buffalo, N. Y., a Corporation of New York. Filed June 12, 1924. Serial No. 9,867. Term of patent 14 years.



The ornamental design for a valve body, substantially as shown.

73,237. SCALE HEAD. JOHN W. ROCKEFELLER, Jr., New York, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Feb. 26, 1927. Serial No. 20,905. Term of patent 14 years.



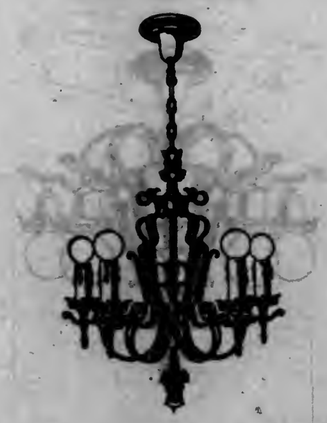
The ornamental design for a scale head substantially as shown.

73,238. PLATE. FRANK H. SEBRING, Jr., Salem, Ohio, assignor to The Salem China Co., Salem, Ohio. Filed May 26, 1927. Serial No. 22,174. Term of patent 7 years.



The ornamental design for a plate, as shown.

73,239. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,592. Term of patent 3½ years.



The ornamental design for a lighting fixture as shown.

73,240. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,593. Term of patent 3½ years.



The ornamental design for a lighting fixture as shown.

73,241. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,594. Term of patent 3½ years.



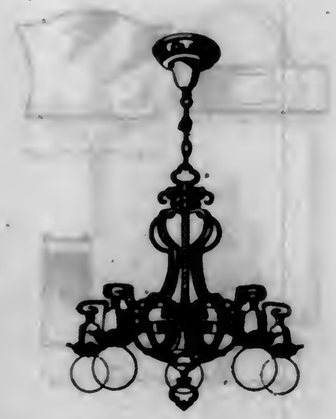
The ornamental design for a lighting fixture as shown.

73,242. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,595. Term of patent 3½ years.



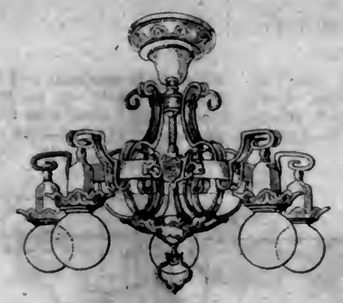
The ornamental design for a lighting fixture as shown.

73,243. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,596. Term of patent 3½ years.



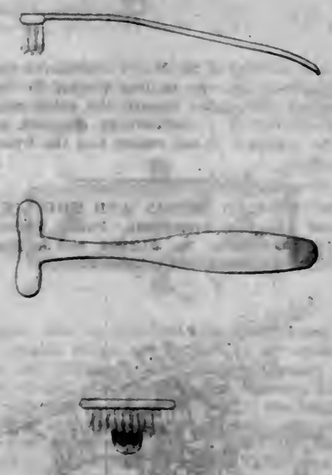
The ornamental design for a lighting fixture as shown.

73,244. LIGHTING FIXTURE. THEODORE SHAPIRO, Brooklyn, N. Y., assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 14, 1927. Serial No. 21,597. Term of patent 3½ years.



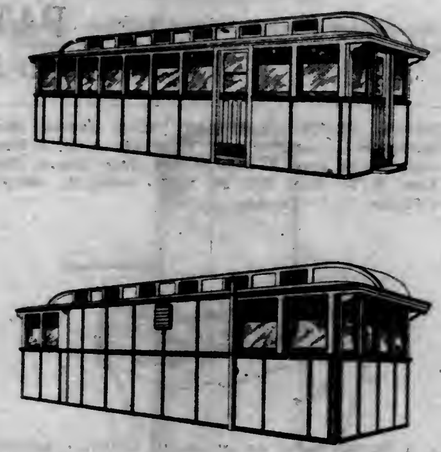
The ornamental design for a lighting fixture as shown.

73,245. TOOTHBRUSH. ROYDEN EDWARD STRAEHLY, Chicago, Ill. Filed May 18, 1925. Serial No. 13,478. Term of patent 14 years.



The ornamental design for a toothbrush, as shown.

73,246. DINING-CAR BODY. CHARLES A. WARD, Silver Creek, N. Y. Filed Jan. 17, 1927. Serial No. 20,415. Term of patent 3½ years.



The ornamental design for a dining car body as shown.

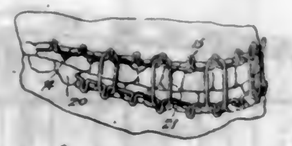
73,247. CATAFALQUE. JAMES R. ZENTZ, Los Angeles, Calif., assignor of one-half to Edgar B. McCormick, Los Angeles, Calif. Filed Nov. 29, 1926. Serial No. 19,873. Term of patent 3½ years.

The ornamental design for a catafalque, as shown.

PATENTS

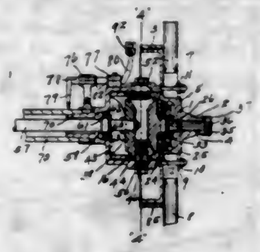
GRANTED AUGUST 9, 1927.

1,638,006. FRACTURE SPLINT. HUGO ADERER, East Orange, N. J., assignor to J. F. Jelenko & Co., a Firm composed of Jesse F. Jelenko and Hugo Aderer, New York, N. Y. Filed Feb. 26, 1926. Serial No. 90,894. 4 Claims. (Cl. 128—89.)



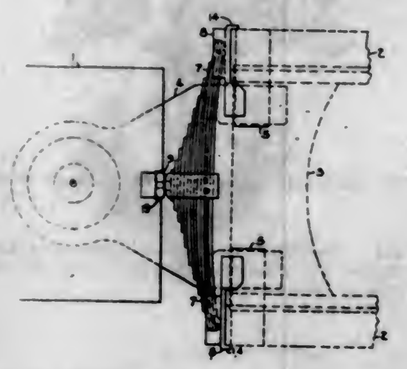
1. A fracture splint or orthodontic appliance comprising an arch shaped to fit the dental arch, and a wire bent upon itself to form a series of loops, said wire between the loops being secured to the arch.

1,638,007. FRONT-WHEEL-DRIVE BRAKE MECHANISM. CHARLES S. ALLEN, San Francisco, Calif., assignor of one-twentieth to John Sperekas and Frank Coures, Cincinnati, Ohio; Therron J. Allen administrator of the estate of said Charles S. Allen, deceased. Filed Apr. 26, 1924. Serial No. 709,091. 2 Claims. (Cl. 180—43.)



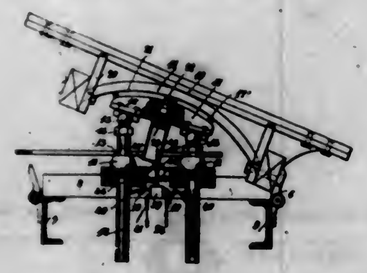
1. In a four wheel motor-drive as described the combination of a wheel hub formed with a spindle bearing and a brake drum, the said spindle bearing being provided with a fluted spindle aperture; a primary yoke formed with pivot apertures journaled in said wheel hub; a gear housing provided with an axle aperture secured to said primary yoke; a secondary yoke provided with pivot apertures and flanges mounted over said gear housing, the said flanges partially covering the axle aperture and forming a dust-proof housing; the pivot apertures of said secondary yoke are aligned with pivot apertures of said primary yoke and have pivots mounted therein; an axle passed thru the secondary yoke, journaled in said secondary yoke and extended into said gear housing; a gear secured to said axle; a pinion rotatively mounted on one of the pivots meshing with said gear on said axle; a gear provided with a fluted spindle journaled in said primary yoke, said gear meshing with said pinion and having its fluted spindle secured in said fluted aperture of said hub; and braking means mounted upon said brake drum and said secondary yoke.

1,638,008. BUFFER. OSCAR E. BERGENDAHL and ROBERT A. RIMEL, Erwin, Tenn., assignors of one-third to William S. Moseley, Erwin, Tenn. Filed June 25, 1926. Serial No. 118,485. 10 Claims. (Cl. 105—175.)



1. In a locomotive of the Mallet articulated type, means disposed between the two engines thereof to cushion the movement of one engine toward the other engine, said means consisting of a horizontally disposed spring engaging the cylinders of one engine and the frames of the other engine.

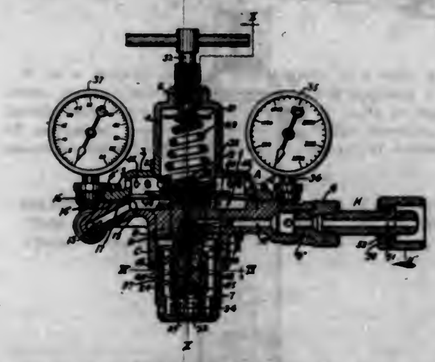
1,638,009. TIPPING WAGON AND THE LIKE. JEAN ETIENNE FELIX CAMBESSÉDÈS, Paris, France. Filed Jan. 16, 1923, Serial No. 612,908, and in France Jan. 24, 1922. 5 Claims. (Cl. 298—22.)



5. In an apparatus for tipping the floor of a vehicle, cooperating concave and convex members carried by said floor and the chassis of said vehicle respectively, an antifriction roller carried by one of said members and coacting with the other and a plurality of jacks for elevating said convex member relatively to said chassis.

1,638,010. REDUCING VALVE. ARTHUR J. FAUSEK and IRWING F. FAUSEK, St. Louis, Mo. Filed Nov. 2, 1923. Serial No. 672,319. 9 Claims. (Cl. 50—10.)

3. A reducing valve comprising a housing having an inlet passageway and a discharge passageway, and an automatic valve device for opening and closing communication between said passageways, said valve device including an abutment member having a port formed therethrough and a closure member, and means whereby the passage of fluid through the port formed in said abutment member may be controlled when said closure member is in an open position, said last mentioned means comprising valve mechanism including a valve head, a valve stem on which said valve head is mounted, guide



members secured to said valve stem and adapted to contact with the wall of the port in said abutment member, a valve seat, and a spring associated with said valve head and arranged to urge said valve head against said valve seat, said valve stem having a flared lower end portion which contacts with said closure member whereby said valve head and said closure member move simultaneously.

1,638,011. MITER BOX. CLARK GRUBBS, Santa Ana, Calif. Filed June 9, 1926. Serial No. 114,630. 1 Claim. (Cl. 143—89.)



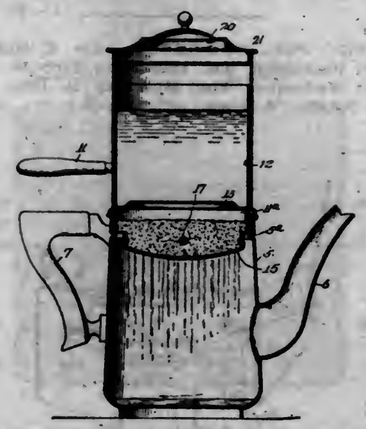
In a miter box as described, the combination with a table, a lockable swivel bar pivoted to the underside of said table and adjustable saw guides releasably secured to said swivel bar, of a plurality of adjustment holes provided in said table in spaced relation to the longitudinal medial line of said table; and adjustment pins releasably engaging said adjustment holes, whereby the work may be centered on said table with respect to said saw guides.

1,638,012. BLANK FOR GEARS AND METHOD OF MAKING THE SAME. ADDISON C. HOOF, Hinsdale, Ill., assignor to General Electric Company, a Corporation of New York. Filed Apr. 11, 1924. Serial No. 705,742. 25 Claims. (Cl. 154—43.)



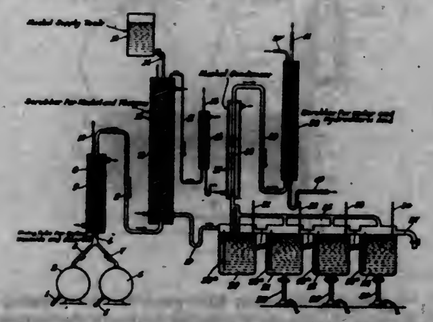
1. As an article of manufacture, a blank for gears comprising relatively short pieces of cord made of textile material which are arranged in layers perpendicular to the axis of the blank, and non-flexible means for holding the cord in a highly compressed state to form a rigid structure.

1,638,013. COFFEE MAKER. THOMAS MAGLIANO, River Forest, Ill. Filed Jan. 25, 1926. Serial No. 83,429. 2 Claims. (Cl. 53—3.)



1. The combination with a coffee pot, of a vessel for hot water having a cylindrical wall, a closed bottom, and an open top, the upper end of the wall being adapted, when the vessel is inverted, to telescope and connect with the upper end of the pot to discharge into it, and having an annular outwardly bulged shoulder indented therein, and a perforated container for ground coffee fitting into the vessel and invertible therewith and provided with a cylindrical wall extending downwardly into the vessel, said shoulder being provided with a leak-port extending therethrough, the port being adapted to admit air into the vessel and around said last mentioned cylindrical wall when the vessel and container are in their inverted position.

1,638,014. MANUFACTURE OF ALKYL CARBONATES. HARRY GILBERT MITCHELL, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed July 14, 1924. Serial No. 725,835. 12 Claims. (Cl. 260—106.)

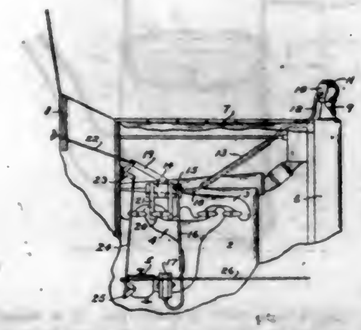


1. The process which comprises forming phosgene from producer gas and chlorine with the aid of a catalyst, producing an alkyl carbonate from the phosgene and an

aliphatic alcohol and eliminating the inert gases from the product.

7. The process which comprises continuously forming phosgene from carbon monoxide and chlorine, bringing the vapors into contact with a liquid aliphatic alcohol so as to form a chlorocarbonate and heating the chlorocarbonate and an alcohol while continually carrying off the dialkyl carbonate formed.

1,638,015. FUEL ECONOMIZER. RIN N. MURAKAMI, Port Washington, Wis., assignor to Harry W. Bolens, Port Washington, Wis. Filed May 24, 1922. Serial No. 563,250. 6 Claims. (Cl. 123—25.)



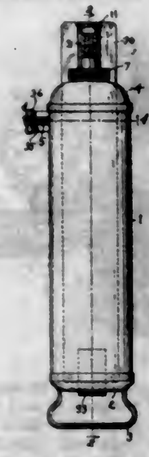
1. In combination with a water cooled internal combustion engine having a radiator, a carbureter, intake and exhaust manifolds, and means for securing said manifolds to the engine, of a fuel economizer comprising a vapor collector associated with the radiator filling orifice, a vapor heater mounted upon the exhaust manifold and held in place by the manifold securing means, a vapor injector between the carburetor and the intake manifold, and connections between said collector, said heater and said injector.

1,638,016. HAIR-PIECE ATTACHMENT. JESSE OPPENHEIM, New York, N. Y., assignor to Hyman & Oppenheim, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1927. Serial No. 168,592. 4 Claims. (Cl. 132—53.)



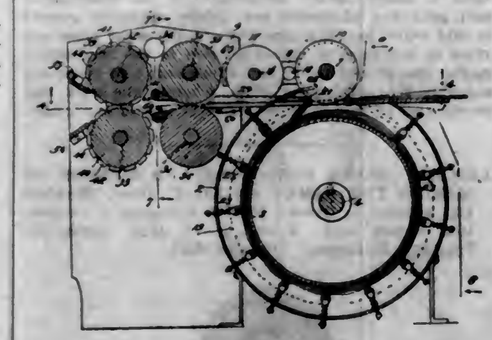
1. The herein described hair piece for the dressing of bobbed hair comprising a gripping device in the nature of a closely coiled spiral spring, means attached to the ends of the spring for stretching it to enable the individual coils thereof to enter the natural hair like a comb, and a mass of auxiliary hair carried by the stretching means aforesaid.

1,638,017. FIRE EXTINGUISHER. JOHN RAUS, Cleveland, Ohio, assignor, by mesne assignments, to The National Formetal Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 22, 1923. Serial No. 614,123. Renewed May 21, 1927. 1 Claim. (Cl. 169—31.)



The combination with a fire extinguisher comprising a liquid container having a nozzle near one end, a reciprocable plunger projecting from one end, and a handle at the opposite end, of a bracket having near one end a pair of arms adapted to secure said plunger in supporting and movement preventing relation, a flexible arm at the opposite end of said bracket to engage said receptacle yieldingly, and a spring arm projecting laterally from one side of said bracket and having at its free end a pad adapted to cover said nozzle.

1,638,018. MACHINE FOR STRIPPING AND CUTTING TOBACCO LEAVES. DAVID H. SIMPSON, New York, N. Y. Filed Dec. 22, 1923. Serial No. 682,151. 18 Claims. (Cl. 131—57.)



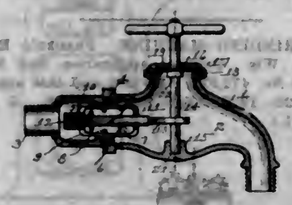
1. In a machine for stripping and cutting tobacco leaves the combination of a cutting mechanism to sever the leaf from its stem, means for cutting the stem into strips, means for advancing the stem from the leaf severing mechanism to the stem cutting mechanism, and means for transmitting power to said leaf severing and stem cutting means.

1,638,019. ATTACHING MEANS FOR LOAD-LIFTING DEVICES. ARTHUR E. SMALL, Oak Park, Ill. Filed Mar. 17, 1926. Serial No. 95,422. 11 Claims. (Cl. 105—355.)



2. In a railway car, the combination of a roof, a roof frame member having oppositely disposed portions, a ring loosely suspended from said portions so as to be capable of movement longitudinally of the frame member, and means to temporarily restrict said longitudinal movement.

1,638,020. FAUCET. FREDERICK TIBBLE, Grand Rapids, Mich. Filed Sept. 16, 1925. Serial No. 56,755. 21 Claim. (Cl. 251—40.)



In a structure of the character described: a pipe having an internally and externally threaded end portion; a body internally threaded on the pipe's externally threaded end portion and having a fluid passage, a bearing whose axis extends transversely to the body's longitudinal direction, and an opening disposed oppositely to said bearing; a member externally threaded on the pipe's internally threaded end portion and having a fluid passage and a valve seat; a valve carried by said member longitudinally movable into and out of seating position on the valve seat; a removable cap adapted to close said opening and having a rotary bearing concentric with the first-mentioned bearing; a rotatable shaft journalled in the second-mentioned bearing and axially-removably journalled in the first-mentioned bearing and carrying an eccentric cam engaging the valve to move the same, the shaft and cam being movable into and out of the body through said opening.

1,638,021. METHOD OF TREATING HYDROCARBONS. ALEXANDER B. WAY, Lynn, Mass., assignor to Lewis A. Way, Pittsburgh, Pa. Filed Mar. 10, 1924. Serial No. 700,381. 13 Claims. (Cl. 196—4.)

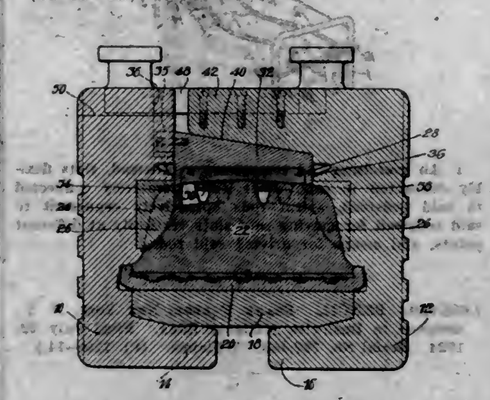
1. The process of treating hydrocarbons to demulsify the same and increase their fluidity which consists in subjecting the initial hydrocarbon to the action of a mixture of naphthalene and nitro-benzol in solid state and divided form.

4. The process of treating hydrocarbon, oils to demulsify the same and increase their fluidity which consists in subjecting the initial hydrocarbon to the action of a mixture including a crystalline aromatic hydrocarbon and nitro-benzol, said mixture being in solid state and divided form.

1,638,022. MATERIAL FOR THE TREATMENT OF HYDROCARBONS. ALEXANDER B. WAY, Lynn, Mass., assignor to Lewis A. Way, Pittsburgh, Pa. Filed Mar. 19, 1924. Serial No. 700,382. 4 Claims. (Cl. 252—1.)

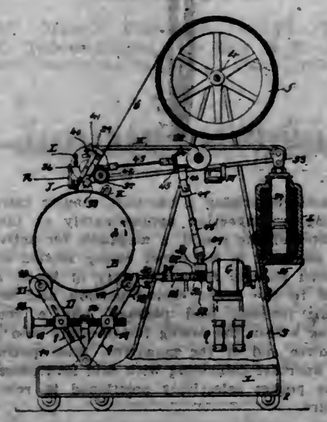
1. As an article of manufacture for the treatment of hydrocarbons to demulsify the same and increase their fluidity, a material comprising naphthalene, and a nitrated aromatic hydrocarbon in the primary stage of nitration associated with the naphthalene as the principal active agent of the material.

1,638,023. TIRE MOLD. HARRY WILLSHAW, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Oct. 13, 1924. Serial No. 743,184. 2 Claims. (Cl. 18—44.)



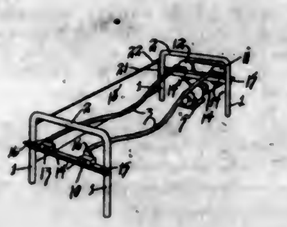
1. A tire mold including top and bottom rings of relatively tough metal having die cast side pieces secured at peripherally spaced intervals to each of said mold rings, a supporting shell adapted to be clamped between the mold rings and an unmachined cast tread ring secured to said shell and having integral projections and depressions adapted to serve as a mold for the tread surface of the tire.

1,638,024. ARC-WELDING MACHINE. HARRY R. WOODROW, New York, N. Y., assignor to Thomas E. Murray, New York, N. Y. Filed June 18, 1919. Serial No. 305,089. 12 Claims. (Cl. 219—8.)



1. An arc welding machine, comprising means for rotating the work, a fusible electrode, and mechanism for continuously feeding said fusible electrode to the welding joint, the said rotating means comprising two groups of work supporting rolls, and means for driving one of said groups.

1,638,025. EXERCISING BED. WALTER W. EVERTS, Fort Worth, Tex., assignor to Sid Post, C. H. Clarke, and A. G. McMath. Filed June 29, 1926. Serial No. 119,843. 5 Claims. (Cl. 128—33.)



1. An exercising bed comprising a bedstead, slats flexibly connected to each other and operatively connected to said bedstead, spiral rods operatively connected to said bedstead for moving said slats vertically at different points, and means for driving said rods.

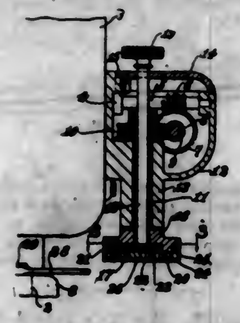
1,638,026. PENCIL. FRANK FURRDY, New York, N. Y., assignor to Bushwick National Bank. Filed July 22, 1924. Serial No. 727,459. 7 Claims. (Cl. 120—14.)



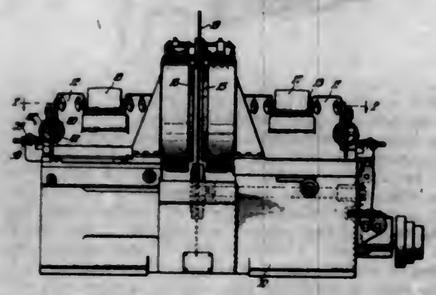
3. A pencil comprising a two-part tubular casing, the parts having a connection approximately at the longitudinal center of the pencil, a magazine for active leads rotatively mounted in the upper casing section and providing spaced pockets for a plurality of leads, a member located in the lower casing portion and having a longitudinal, inclined lead passage, and a removable spacing plug within the casing intermediate said member and the lower end of the magazine, said spacing plug having an aperture coinciding with said lead passage and a magazine pocket selectively positioned in relation to said aperture.

1,638,027. FAN-OSCILLATING MECHANISM. JOHN F. GALVIN and WILLIAM B. KOCHNER, St. Louis, Mo., assignors to Galvin Electric Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 16, 1925. Serial No. 43,925. 10 Claims. (Cl. 230—1.)

1. In a fan having a base and a motor thereon, oscillating mechanism comprising, a head connected to be driven by the motor, a crank mounted for adjustment on said head, an element mounted on said head and having an adjusting connection with said crank, and a manipulative member having a stem extending downwardly toward and connected to operate said element.



1,638,028. GRINDING MACHINE. FREDERIC E. GARDNER, Beloit, Wis. Original application filed May 27, 1921, Serial No. 472,977. Divided and this application filed July 20, 1925. Serial No. 44,729. 6 Claims. (Cl. 51—111.)



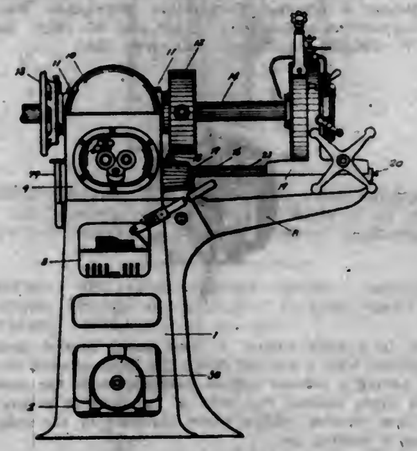
1. A grinding machine having, in combination, a main base, a support pivotally mounted thereon to swing in one direction, means for adjustably fixing said support in different positions, a second support pivotally mounted on the first support for adjustment in a different direction, means for adjusting the second support into different positions with relation to the first support, a carriage slidable on the second support, and a rotary grinding element mounted on said carriage.

1,638,029. ROLLER BEARING. MAURIZIO GUIDI, Savona, Italy. Filed Dec. 24, 1925, Serial No. 77,536, and in Italy Feb. 5, 1925. 5 Claims. (Cl. 308—207.)



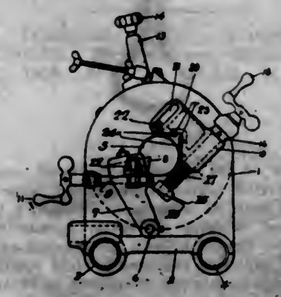
1. A roller bearing for a rotating shaft comprising in combination, a plurality of links forming a connected chain, a roller rotatably secured in each of said links, a pair of rings forming a concave race, each of said links having a convex portion adapted to rest in said race, means for connecting the ends of said chain, and means for moving said rings relatively to each other.

1,638,030. PIPE-THREADING MACHINE. LESLIE S. HALL, Brantford, Ontario, Canada, assignor to Williams Tool Corporation, Erie, Pa. Filed Feb. 18, 1924. Serial No. 693,604. 3 Claims. (Cl. 10—89.)



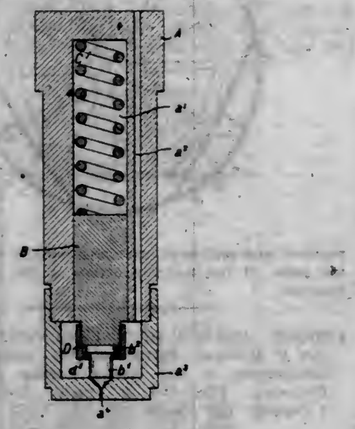
3. A threading machine comprising a base provided with a pair of parallel supports projecting therefrom, a head and carriage slidable on said supports, a hollow boss on said base beneath said supports, a removable bed beneath said head supported at one end by said supports and at the opposite end by said hollow boss, said bed having a projecting trough receivable in said boss.

1,638,031. STEADYING BLOCK FOR THREADING MACHINES AND THE LIKE. LESLIE S. HALL, Erie, Pa., assignor to Williams Tool Corporation, Erie, Pa. Original application filed Feb. 18, 1924, Serial No. 693,604, and in Canada Mar. 20, 1924. Divided and this application filed Mar. 25, 1925. Serial No. 18,249. 1 Claim. (Cl. 10—89.)



In combination with a die head, having an opening therethrough, bearings on said head projecting laterally from one face thereof, a threaded shaft rotatable in said bearing, a threaded sleeve encircling said shaft adjacent said face, and adapted to travel on said shaft, and a single laterally extending flange on said sleeve adjacent to and parallel with said face, provided with a V-shaped steadying surface adapted to move over said opening, a guide slot in the free end of said flange parallel with said shaft, and a pin carried by said face projecting through said slot.

1,638,032. FUEL-INJECTION DEVICE FOR INTERNAL-COMBUSTION ENGINES. KARL HIMMELSBACH, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 26, 1925, Serial No. 11,813, and in Germany Feb. 27, 1924. 2 Claims. (Cl. 299—133.)



1. A fuel injection device for internal combustion engines of the kind referred to, consisting of a fuel valve comprising a casing, a valve needle and a conical seat for the needle, the valve needle being made up of two superimposed separate parts, the upper part constituting a spring-pressed steering piston mounted for reciprocation in the casing and the lower part forming the valve proper, and means connecting the two needle parts in such a manner as to hold them against tilting movement with relation to each other, but to allow the lower part to move radially with relation to the upper part in all directions so that the valve will always adjust itself centrically to its seat under the action of the valve spring.

1,638,033. MEANS FOR RENOVATING PRINTER'S TYPE. ISIDORE HIRSCH, New York, N. Y. Filed Oct. 14, 1926. Serial No. 141,458. 1 Claim. (Cl. 141—1.)

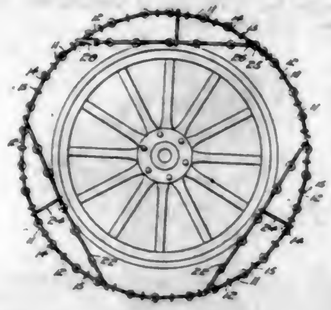


Type cleaning apparatus of the character designated, comprising a wash-tray formed with a series of reticulated type pockets coincident in number and arrangement with the individual type box compartments of a compositor's type case, a reticulated cover for said wash-tray, and means for detachably securing said cover to said wash-tray, the latter being formed with trunnions for the purpose and substantially in the manner set forth.

1,638,034. TREAD GRIP FOR VEHICLE TIRES. CARLTON L. HOWE, York, Pa. Filed Mar. 1, 1922, Serial No. 540,321. Renewed Sept. 26, 1925. 4 Claims. (Cl. 152—14.)

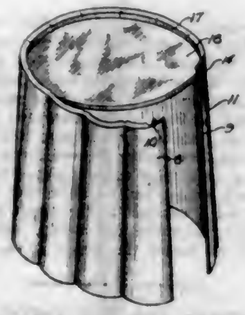
1. A transverse connecting link for a tread grip for vehicle tires consisting of a rigid bar adapted to be placed transversely of the vehicle tire on its tread portion, said bar being turned radially inwardly at the

sides of the tire so that the contour of the bar will approximate the contour of the tread surface of the tire, said bar having its end portions turned to receive a grip



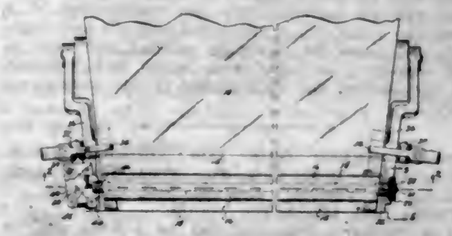
member, and said ends extending radially outward beyond the plane of the central portion of the bar to increase traction.

1,638,035. METHOD OF MAKING CONTAINERS. EDWIN F. HULBERT, Milwaukee, Wis., assignor, by mesne assignments, to The Master Package Corporation of Delaware. Filed Oct. 23, 1925. Serial No. 64,474. 5 Claims. (Cl. 93—36.)



1. The method of forming the tubular siding of a container which consists in pressing a flat fibre sheet blank to form a series of spaced indentations on its inner side and solidified segmental curved portions between said indentations, bending the finished blank along said indentations to tubular form and joining the end portions together.

1,638,036. TYPOGRAPHICAL MACHINE. CHARLES E. IRELAND, Jamaica, N. Y., assignor to Rich & McLean, Inc., a Corporation of New York. Filed June 24, 1926. Serial No. 118,182. 5 Claims. (Cl. 199—46.)



1. A matrix storage magazine for typographical machines having a rotatable matrix locking bar eccentrically mounted relative to the path of movement of the stored matrices and formed to provide an abutment movable by its rotation into or out of the path of movement of said stored matrices, external means connected with one end of said bar for hand manipulating the same, and means cooperative with said manipulating means for selectively retaining said bar in active or inactive position.

1,638,037. HORN PUSH BUTTON. EDWARD N. JACOBI, Milwaukee, Wis., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 27, 1920. Serial No. 406,290. 5 Claims. (Cl. 200—159.)



3. In a push button, a sheet metal contact member provided with a toothed opening, a stem secured thereto by having a reduced portion passed through the opening and upset against the teeth of the opening to prevent it from turning, and a screw threaded in the stem to form a binding post.

1,638,038. CONTAINER FOR BLASTING CHARGES. WELLINGTON E. JENKINS, Pittsburg, Kans. Filed July 20, 1926. Serial No. 123,776. 2 Claims. (Cl. 102—6.)

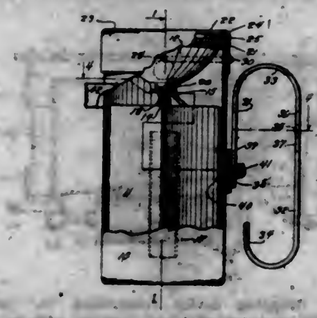


1. A device of the character described comprising a water-proof flexible container having a tubular neck portion provided with an open upper end and a lower bulb portion formed integral therewith, a relatively small tubular member carried by said bulb portion and adapted to receive an explosion cap, and a rigid retaining member in which said container is adapted to be arranged.

1,638,039. COMBINED FLASH LIGHT AND HANDLE. ISAAC JONES, Denver, Colo. Filed Mar. 6, 1924. Serial No. 697,245. 2 Claims. (Cl. 240—10.5.)

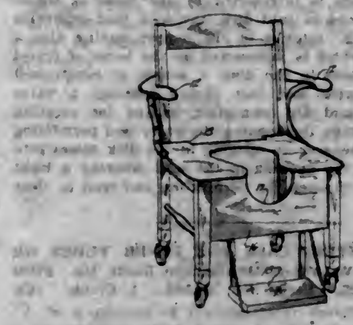
1. In combination with an elongated lamp casing, for a portable electric projector light having its lens element closing one end of said casing, a unitarily combined handle and hanger support therefor, associated with the longitudinal wall of said casing, comprising a short arm forming an approximately U-shaped continuation of

a substantially parallel longer arm that terminates in an open hook disposed towards the said short arm, and means so connecting said short arm to the longitudinal



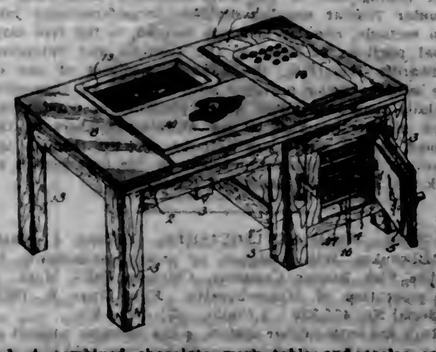
wall of said casing as to permit of the rotary adjustment of said unitarily combined support while at all times otherwise maintaining the same against displacement.

1,638,040. INVALID'S TOILET CHAIR. GEORGE B. KILLEN, Chicago, Ill. Filed Nov. 12, 1926. Serial No. 148,082. 4 Claims. (Cl. 4—134.)



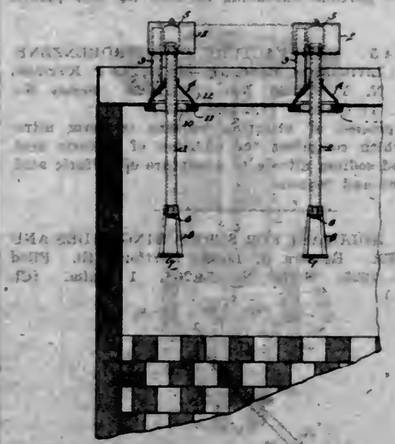
1. A roller chair for conveying hospital patients to and from the toilet comprising a chair mounted on rollers and having an open seat and an open back, the latter to receive the open seat and cover of a toilet when the chair is backed over the same.

1,638,041. COMBINED CHOCOLATE DIPPING TABLE AND COOLER. JOE KORKAMES, Temple, Tex. Filed May 12, 1926. Serial No. 108,589. 9 Claims. (Cl. 62—81.)



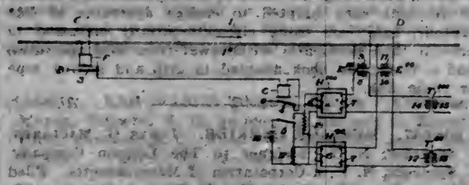
1. A combined chocolate work table and cooler, comprising a cabinet, a refrigerant compartment positioned within said cabinet, a receiving tray positioned above the said compartment and on which the finished chocolates are placed, and a closed tray-storage compartment within the cabinet and spaced from the refrigerant compartment to permit air to circulate in contact with the outsides of said compartments to maintain the air within the tray-storage compartment in a dry, cold condition.

1,638,042. DEVICE FOR DISTRIBUTING LIQUIDS. ELDON L. LARISON, Anaconda, Mont. Filed June 28, 1926. Serial No. 119,228. 2 Claims. (Cl. 299—58.)



1. A device for distributing liquids comprising as a unitary structure a straight conduit having a nozzle at one end thereof, a splash-plate positioned in front of said nozzle and supported from said conduit, a receptacle surrounding the other extremity of said conduit and fixed thereto, and means for removably supporting said unitary structure in co-operation with an apparatus for contacting gas and liquid.

1,638,043. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FREDERICK W. LEE, Baltimore, Md., and LARS O. GRONDAHL, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 27, 1926. Serial No. 144,482. 8 Claims. (Cl. 246—34.)



1. In combination with the track rails of a railway, a source of alternating current connected with said rails through a reactor, and means for periodically varying the effect of said reactor.

1,638,044. HANDWHEEL. JOHN WESLEY LEE, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 14, 1922, Serial No. 606,931. Renewed May 7, 1925. 2 Claims. (Cl. 74—33.)

1. A handwheel spider comprising: a metal hub having a sleeve portion adapted to be secured to a shaft and a star-shaped flange portion at the upper end of said sleeve portion, said flange and sleeve portions having a flat upper face; and a plurality of spider arms integrally

formed from a piece of sheet metal, said sheet metal lying flat upon the said upper face of said flange portion and having portions bent down around the star points of

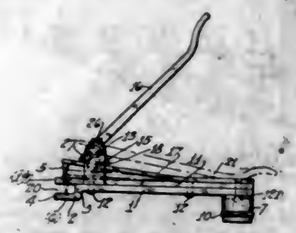


said star-shaped flange and having other portions bent down and pressed firmly against the vertical surfaces of the concave portions extending between the star points.

1,638,045. MANUFACTURE OF NITROBENZENE. JOHN W. LIVINGSTON, Hamburg, and LUCAS P. KYRIDES, Buffalo, N. Y. Filed Nov. 27, 1922. Serial No. 603,657. 11 Claims. (Cl. 260—142.)

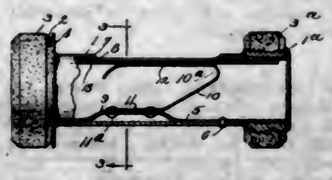
1. The process of nitrating benzene to form nitrobenzene which comprises the addition of sulfuric acid, benzene and sodium nitrate to a mixture of sulfuric acid, nitrobenzene and benzene.

1,638,046. HOLDFAST FOR STRETCHING HIDES AND LEATHER. ERNEST G. LOWE, Hertford, Ill. Filed Sept. 3, 1925. Serial No. 54,268. 1 Claim. (Cl. 149—21.)



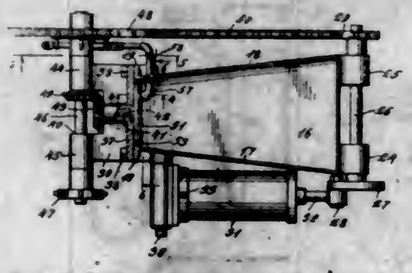
A hold-fast for securing and holding sides of leather and hides to a frame for dehydrating them, comprising a cam actuated pricker adapted to pierce the marginal edge of sides of leather and hides, a shoulder adapted to limit the distance from the edge of sides of leather and hides that said pricker can pierce the said hides and sides of leather, a cam for actuating said pricker, a spring for withdrawing said pricker, a lever arm for actuating said cam, a pintle about which said cam rotates, upwardly turned ears providing bearings for said pintle, a guard protecting the point of said pricker, a plurality of resilient ears adapted to engage apertures of like contour, said ears being circumferentially embossed to prevent their accidental withdrawal from said apertures, and a triangular hook adapted to grip and hold a rope or chain link.

1,638,047. MESSAGE CARRIER. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Mar. 19, 1926. Serial No. 95,876. 8 Claims. (Cl. 243—35.)



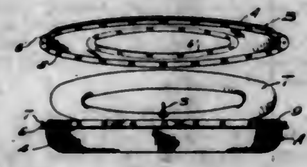
1. A message carrier for pneumatic tube systems comprising a tubular shell open at one end and having a constantly open lateral window through which the contents can be inspected.

1,638,048. SUGAR-BEET-SEED DROPPER. ANDREW A. MATHESON, Denver, Colo. Filed Mar. 30, 1926. Serial No. 98,443. 4 Claims. (Cl. 221—124.)



1. A beet dropping device comprising, in combination, a hopper provided with an inclined bottom and a vertical wall extending upwardly from the lowest part of the hopper, a shaft mounted for rotation in the hopper, a perforated disk secured to the shaft so as to have one side in contact with one surface of said vertical end wall, a plate secured to the end wall and lying against the other side of the disk, said disk being in communication with the interior of said hopper through an opening which is intersected by the locus of travel of the perforations in said disk, the wall that separates the disk from the interior of the hopper having also a small opening which is intersected by the locus of travel of the perforations in the disk, a source of compressed air connected with said last named opening, a valve mechanism in said air connection, means for rotating the disk and means for opening the valve and permitting a flow of air whenever an opening in the disk comes into alignment with the opening in the wall whereby a blast of air will pass through the perforation and tend to clear the same.

1,638,049. TESTING CASE FOR INNER TUBES OR THE LIKE. WILBUR E. MCASHLAND, Reeds, Mo. Filed June 30, 1925. Serial No. 40,586. 1 Claim. (Cl. 73—51.)



A testing case of the class described comprising an annular tubular member divided circumferentially into two sections, annular members secured to the free marginal portions of each of the sections and extending outwardly therefrom, the annular members of one of the sections being provided with a series of circumferentially spaced openings, and a plurality of outstanding hook members carried by the annular members of the second section and adapted to be inserted through the openings in the annular members of the first section to lock said sections in assembled relation.

1,638,050. FIRE EXTINGUISHER. GEORGE J. MEAD, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 6, 1921. Serial No. 475,336. 1 Claim. (Cl. 169—9.)

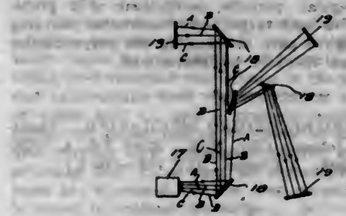
In a fire extinguisher system, a gas pressure conduit or pipe, a plurality of holders suspended from said pipe and in communication therewith, each of said holders adapted to contain a liquid chemical for extinguishing fire and

provided at its lowermost point with an outlet having a sprinkler head closure therein, and a freely movable ball within the holder adapted to float on said liquid chemical,



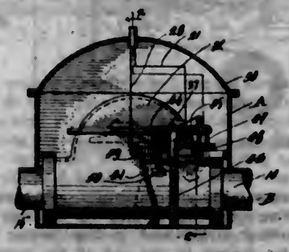
a seat at the bottom of the holder adapted to receive said ball when the liquid is exhausted and be held to its seat to close the outlet against the exit of gas from said conduit.

1,638,051. AIR WRITING WITH SEARCHLIGHT BEAMS. WLADIMIR W. MITKEWICH, Brooklyn, N. Y., assignor of thirty-three and one-third per cent to Richard Vitolo and thirty-three and one-third per cent to Daniel Andre Rodionoff, New York, N. Y. Filed May 17, 1926. Serial No. 109,730. 5 Claims. (Cl. 41—30.)



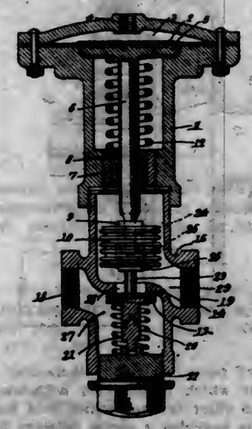
4. In a process of the character described, consisting in transmitting light beams in the air from different positions and in different directions, and arranging the light transmitting means so that the beams transmitted form the outline of a character.

1,638,052. AUTOMATIC CUT-OFF AND DRAINAGE VALVE. GEORGE A MOORE, Wilmington, N. C. Filed Mar. 28, 1924. Serial No. 702,667. 7 Claims. (Cl. 137—139.)



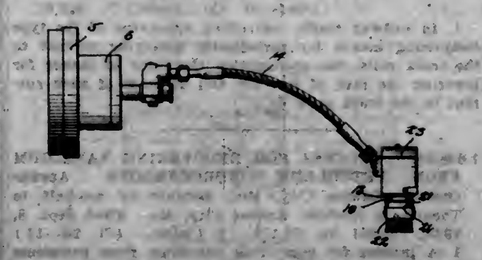
5. In a valve of the character described, including a casing body designed to be connected between a supply pipe and a distributing pipe, comprising means within said casing to set up a tubular body formed integral at one end with the distributing pipe connecting side of the casing, and having the other inner end formed to set up a valve seat, a shaft extending transversely through said casing and revolubly mounted on said body, means carried by said shaft for supporting a valve member positioned to be placed upon said seat, a valve controlled drain line leading from said body for draining said distributing pipe when the inner end of the body is closed and means carried by said shaft exteriorly of the casing body, for opening the valve controlled drain line when the shaft is oscillated to swing the arm carried thereby to valve closing position.

1,638,053. WATER REGULATOR. JOSEPH MÜLLER, Dayton, N. J. Filed Oct. 5, 1925. Serial No. 60,544. 1 Claim. (Cl. 236—92.)



In a device of the character described, a valve body having an inlet and an outlet opening, a partitioning member within the valve body and separating the inlet and outlet openings, said partitioning member having an opening establishing communication between the inlet and outlet openings, of the body portion, a spring pressed valve operating in the body portion and adapted to normally close the opening in the partitioning member, a rod carried by the valve and extending upwardly through the opening, an expansion element to which the rod is connected, a cylinder mounted on the valve body, a diaphragm mounted at one end of the cylinder, a rod having connection with the expansion element and having a head engaging the diaphragm, a coiled spring for normally urging the head upwardly against the diaphragm, to hold the valve normally seated, and said expansion element adapted to move to open the valve to allow fluid to pass through the valve body when the diaphragm moves to force the rod downwardly.

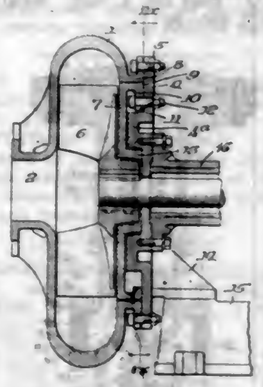
1,638,054. REMOVABLE BRUSH HEAD. EBENEZER MYERS, Concord, N. C., assignor of one-half to Ernest Hicks, Concord, N. C. Filed Sept. 30, 1925. Serial No. 59,666. 1 Claim. (Cl. 15—28.)



In a device of the character described, a brush support including outwardly extended curved flanges, a brush including a head, outwardly curved flanges extend-

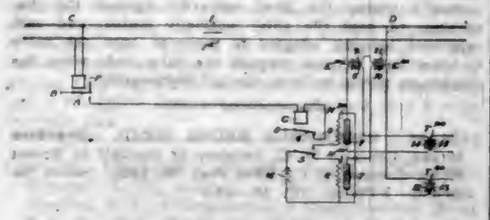
ing from the head and adapted to be positioned over the first mentioned flanges to removably secure the brush head to the brush support.

1,638,055. ROTARY PUMP WITH LINER PLATE. PERRY I. NAGLE, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 11, 1926. Serial No. 134,767. 6 Claims. (Cl. 103—114.)



1. In a rotary pump, an end wall member and a shell member, one of which is provided with an axially extending annular offset through which said members meet and by which is provided a recess between the end wall and the working space of the pump; and a liner plate located in said recess and having an annular stepping flange that is radially within the said offset and extends axially away from said working space and meets said end wall member and means interengaging with said flange to secure the plate and wall member together.

1,638,056. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LEWIS L. NETTLETON, Edgewood Borough, and LARS O. GRONDAHL, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 22, 1926. Serial No. 143,379. 7 Claims. (Cl. 246—34.)

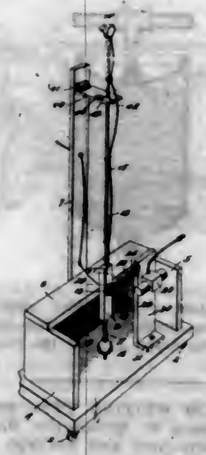


1. In railway traffic controlling apparatus of the type comprising means for periodically supplying current to the track rails, the combination therewith of means for lowering the rate of increase and decrease of such current in the track rails.

1,638,057. PROCESS FOR RECOVERING VANADIUM FROM PETROLEUM HYDROCARBONS. ALFRED OBERFELL, Kansas City, Mo., assignor of one-half to Thomas E. Scofield, Kansas City, Mo. Filed Sept. 8, 1925. Serial No. 55,171. 3 Claims. (Cl. 23—17.)

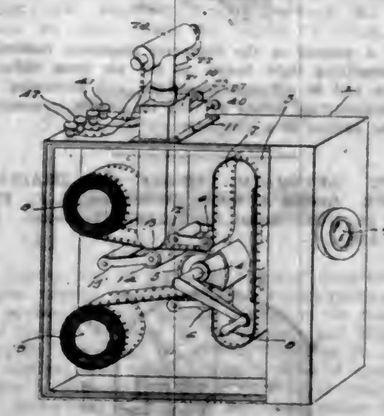
1. A process for recovering vanadium from petroleum hydrocarbons, consisting in exhausting hydrocarbon products by combustion and collecting the deposited vanadium compounds in an absorptive material.

1,638,058. APPARATUS FOR EXERCISING EYE MUSCLES. JOHN MILLS POWELL, Galax, Va. Filed June 4, 1926. Serial No. 113,766. 11 Claims. (Cl. 128—25.)



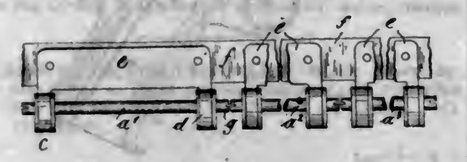
1. An apparatus for the purpose described, comprising a suitable base, an observation target pivotally supported on the base to move about a horizontal axis, and means for imparting regular, periodic, oscillations of a predetermined length to said target, each oscillation carrying the target through a path intersecting the perpendicular extending through the said horizontal axis.

1,638,059. SOUND-RECORDING MECHANISM. FERDINAND PUCEK, Johnson City, N. Y. Filed Feb. 4, 1926. Serial No. 85,999. 3 Claims. (Cl. 179—100.1.)



1. A sound recording mechanism, comprising a tubular casing, having one end formed to movably receive a sound recording strip, said casing having a narrow elongated slot formed in the end of the casing movably receiving said film, a source of light mounted in the opposite end of the casing, movable means mounted in the last named end of said casing, a movable reflector operable to reflect light from said source into the end of the casing formed with the slot onto said strip, resilient means connecting the reflector and said movable means, manually rotatable means for operating the movable means for adjusting the normal position of said reflector, and electro-magnetic means adjustably mounted in said casing energizable for cooperation with the resilient means to oscillate said reflector to record variations of the energization of said electro-magnetic means on said film strip.

1,638,060. BOBBIN-DRIVING SHAFT FOR WINDING FRAMES AND ITS BEARING ARRANGEMENT. WILHELM REINERS and GUSTAV KAHLISCH, Munich-Gladbach, Germany, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany, a Corporation of Germany. Filed Mar. 1, 1926, Serial No. 91,595, and in Germany Mar. 2, 1925. 4 Claims. (Cl. 242—18.)

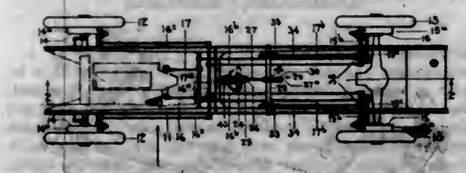


1. A bobbin driving shaft for winding frames comprising a plurality of shaft sections interconnected by flexible couplings.

1,638,061. METHOD OF DRY DISTILLATION OF ALKALIZED WASTE LIQUOR FROM THE SODA CELLULOSE MANUFACTURE. ERIK LUDVIG RINMAN, Djursholm, Sweden. Filed June 4, 1924, Serial No. 717,739, and in Sweden June 6, 1923. 4 Claims. (Cl. 252—7.)

1. The process of treating waste liquor from the soda cellulose manufacture, which consists in alkalising said waste liquor by the addition of hydrate of lime, dry distilling said alkalised waste liquor in the presence of steam and interrupting such dry distillation at a temperature of about 400° C., and afterwards removing and granulating the retort residue to pieces of about 3 mm. size and burning such granulated residue at a temperature of about 750° C. so that all organic substances in the same are consumed and the lime present in said residue is burnt to calcium monoxide.

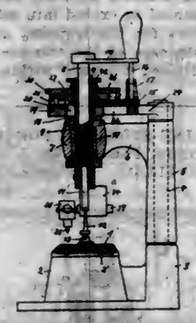
1,638,062. AUTOMOBILE LOCK. KARL SCHERER New York, N. Y. Filed Apr. 8, 1925. Serial No. 21,5 3 Claims. (Cl. 188—265.)



1. In a vehicle having wheel brake mechanism, a device adapted to be mounted on the vehicle frame for releasably locking said mechanism to said frame, said device including a rock shaft mounted on the frame, a pawl carried by the shaft, a thrust rod having one end connected to the said mechanism, the other end of the rod having means for releasably engaging said pawl, and manually operated means for controlling said pawl and thrust rod engagement to seectively lock or release said device.

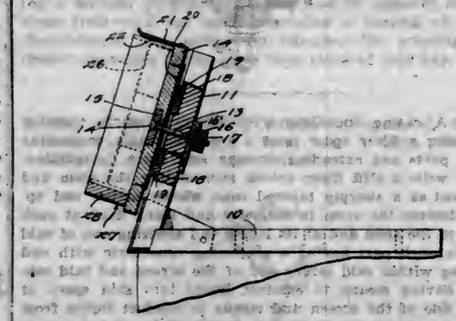
1,638,063. LENS-CUTTING MACHINE. WILLI SCHLÜTER, Brunswick, Germany, assignor to the Firm Grimme, Natalis u. Co. Aktiengesellschaft, Braunschweig, Germany. Filed Sept. 20, 1926, Serial No. 136,699, and in Germany May 14, 1924. 6 Claims. (Cl. 33—28.)

3. A spectacle glass cutting machine, comprising a stationary column, a cantilever swingably supported on said column, a glass cutter, a driving shaft journalled vertically in said cantilever and arranged parallel to said column and carrying said glass cutter, an adjustable stroke device for the driving shaft including a part transversely adjustable on and with the shaft, and a forked arm



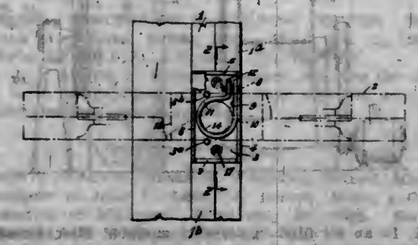
fixedly connected with said column with the prongs arranged on opposite sides of and in contact with the part on the shaft, substantially as and for the purposes set forth.

1,638,064. HOLDING FRAME FOR SUPPORTING HONEY BOXES. WILLIAM A. SHOOK, McGaheysville, Va. Filed Feb. 1, 1927. Serial No. 165,224. 8 Claims. (Cl. 6—12.)



1. In a device for holding honey boxes while applying foundation starter strips thereto, a base, a table supported from the base to rotate in a plane at an acute angle to the base, the upper face of the table having a plurality of blocks attached thereto and adapted to interiorly fit the honey boxes and means for yieldably maintaining the honey boxes in engagement with said blocks.

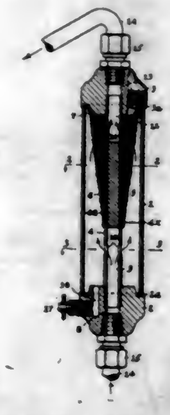
1,638,065. TRANSOM HINGE. LESTER S. SIMON, New York, N. Y., assignor to Lester S. Simon, Inc., a Corporation of New York. Filed Jan. 8, 1926. Serial No. 79,916. 7 Claims. (Cl. 16—140.)



1. A device of the character described, including, in combination, a frame and transom, a housing seated in a recess in the inner face of said frame and having out-

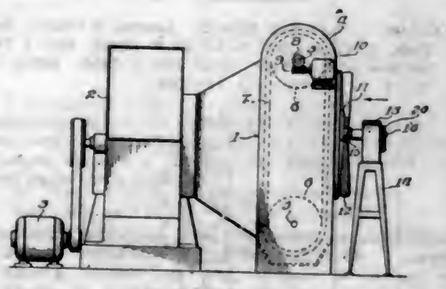
turned flanges, certain of which has a cut-away portion at the outer edge thereof to provide a recess positioned below the outer face of the housing, and an adjustable strap journal mounted within said housing, a pintle plate mounted upon said transom adjacent said housing, and having a pintle adapted to extend into said journal so as to provide a support for the transom, said pintle plate projecting above the face of the transom to which it is attached and positioned to move within said recess in the flange.

1,638,066. GASOLINE STRAINER FOR AUTOMOBILES. THOMAS A. SMYTHE, Paterson, N. J. Filed June 14, 1926. Serial No. 115,816. 2 Claims. (Cl. 210—165.)



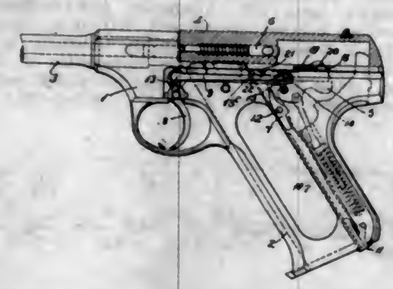
1. A casing including a plurality of parts together forming a filter space, and a stem separably connecting said parts and extending through said space, in combination with a stiff filter screen surrounding the stem and formed as a sharply tapered cone whose smaller end approximates the stem in diameter and being fixed at such end to the stem and at its larger end abutting one of said parts, such part having a projection concentric with and fitting within said larger end of the screen and said casing having means to conduct liquid into said space at one side of the screen and means to conduct liquid from said space at the relatively opposite side of the screen.

1,638,067. AIR-FILTER DRIVE. ERNEST SZEKELY, Evanston, Ill., assignor of one-half to Drying Systems Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 20, 1926. Serial No. 136,655. 6 Claims. (Cl. 183—52.)



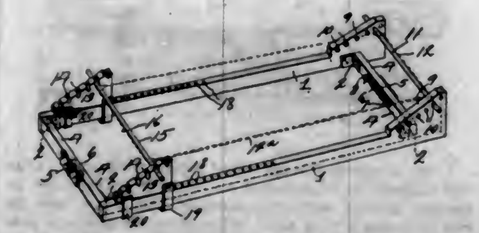
1. In an air filter, a movably mounted filter screen, a motor for moving said screen, a fan mounted in the path of the air passing through said screen and driven thereby, and a switch for said motor controlled by the fan.

1,638,068. MAGAZINE SAFETY DEVICE FOR AUTOMATIC PISTOLS. GEORGE H. TANSLEY, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 5, 1926. Serial No. 127,429. 2 Claims. (Cl. 42—3.)



1. In an automatic pistol having a frame provided with a magazine chamber in the grip portion thereof, a removable magazine in the chamber, a breech block longitudinally movable on the frame, a pivoted hammer, a sear, a trigger, and a trigger bar located at one side of the frame and provided at the rear end with a transverse inward extending projection adapted to engage the sear, the rear end of the said trigger bar with the projection being normally held in an upper operative position in which the projection is adapted to engage the sear and being movable by the slide to a lower inoperative position in which the projection cannot engage the sear, the combination with the aforesaid parts of a longitudinally movable actuating slide located in a recess in the top of the frame and adjacent the rear of the magazine chamber and normally held in a rearward position by reason of engagement with the magazine, a spring for moving the said slide forward so as to project into the magazine chamber when the magazine is removed, and a cam surface on the actuating slide for engaging the rear end of the said bar to move it to the said inoperative position when the slide is moved forward by the spring.

1,638,069. CURTAIN STRETCHER. FLORENCE JENIS THAYER, Eddyville, Iowa. Filed June 17, 1926. Serial No. 116,553. 1 Claim. (Cl. 45—24.)

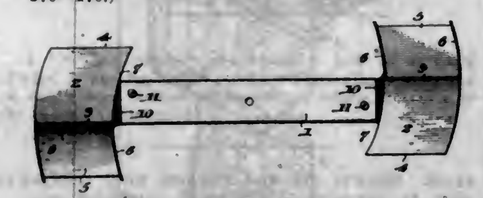


A curtain stretcher comprising a rectangular shaped frame having side bars, upwardly extending apertured rod receiving members carried by one end of said bars, upwardly extending recessed rod receiving blocks carried by the other ends of the bars, spaced U-shaped members carried by the blocks and arching the under sides of the bars, pins carried by the inner lower ends of the blocks and cooperating with a plurality of apertures in the upper sides of the bars, said U-shaped members forming means for limiting rockable movement of the blocks in vertical longitudinal plane whereby the pins may be removed from the apertures in the bars and the adjustable blocks limited in their movement in one direction under the influence of the contractible force of a curtain.

1,638,070. PROCESS FOR THE PREVENTION OF ADHESION OF THE CHARGE DURING THE ACTIVATION OF CARBON. HEINZ THIENEMANN, Leverkusen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Nov. 7, 1925. Serial No. 67,699, and in Germany Jan. 13, 1925. 3 Claims. (Cl. 252—3.)

1. In a carbonization process wherein the carbonaceous material is continuously moved through the carbonizing furnace throughout the period of carbonization, the method of preventing carbonaceous material of adhesive or pasty characteristics from adhering to the furnace walls which comprises feeding such carbonaceous material to the furnace in the form of compressed, molded charges.

1,638,071. VACUUM PROPELLER. FRANK TRAVNICEK, also known as Frank Grinese, East St. Louis, Ill. Filed July 21, 1924. Serial No. 727,192. 2 Claims. (Cl. 170—170.)



1. A lifting propeller having blades and an intermediate shank, each blade being hollow and open at its rear and of general wedge-shape, said blades being disposed angularly in relation to each other and each being adapted, by its construction, to create a partial vacuum.

1,638,072. EGG-TURNING DEVICE. GEORGE M. TURPIN, Murray City, Utah. Filed Jan. 6, 1926. Serial No. 79,537. 3 Claims. (Cl. 119—44.)



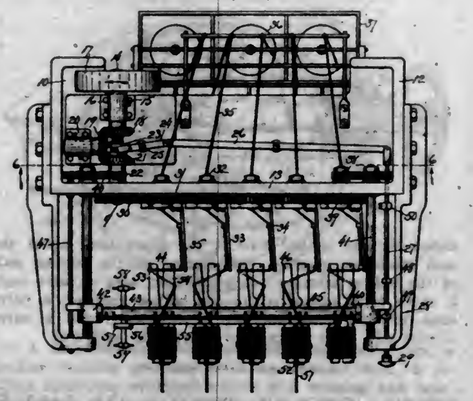
1. In an egg tray for use in incubators the combination of a base, having a screen bottom thereto; transversely disposed semi-cylindrical strips secured thereon; a turning rack superimposed over said base, having transversely disposed cross wire thereon, adapted to carry eggs between them and to force the eggs over the said semicylindrical strips on said base when said turning rack is moved longitudinally on said base, to turn the eggs over.

1,638,073. FASTENER. JOHN MANNING VAN HEUSEN, New York, N. Y. Filed Apr. 21, 1926. Serial No. 103,596. 4 Claims. (Cl. 24—201.)



1. In a fastening device, a projecting element having thereon a relatively rough porous contact surface adapted to engage extending filaments, a receiving element on the interior of which is a contact surface containing extending filaments, the projecting element being adapted to enter the receiving element and thereby bring the contact surfaces into engagement.

1,638,074. WINDING MACHINE. ANTON VAN VEEN, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 13, 1923. Serial No. 674,486. 13 Claims. (Cl. 242—50.)



1. A winding machine including a thread-form supporting bar pivotally mounted to locate thread-forms in winding positions, thread-forms projecting radially in opposite directions from said bar, each of said forms including a member projecting through and in opposite directions from said bar and comprising a portion of two thread-forms, and means for effecting the winding of thread upon said forms upon both sides of said bar.

1,638,075. EXTENSION FEEDER. HALBERT C. WALLACE, Kansas City, Mo. Filed Jan. 2, 1925. Serial No. 283. 3 Claims. (Cl. 198—208.)



1. An extension feeder for threshing machines comprising an elongated hollow member having a conveyor therein, a bracket at one end of the body member having notches, a shaft for driving the conveyor mounted in a slot in the bracket and a dog loosely mounted upon the shaft for engaging the notches, the dog being adapted to successively engage lower notches upon the accumulation of slack in the driving connection between the shaft and its source of power.

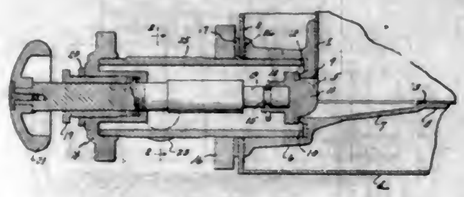
1,638,076. PROCESS OF HARDENING COPPER. WILLIAM H. WEISER, Dallas, Oreg. Filed Oct. 11, 1923. Serial No. 668,018. 4 Claims. (Cl. 75—62.)

1. In a process of hardening copper, reducing the copper to a molten mass, and injecting into the same a quantity of pulverised magnesia.

1,638,077. VALVE. HENRY B. WILLIAMS, Detroit, Mich., assignor to John W. Ladd Co., Detroit, Mich., a Corporation of Michigan. Filed July 26, 1926. Serial No. 124,848. 5 Claims. (Cl. 137—21.)

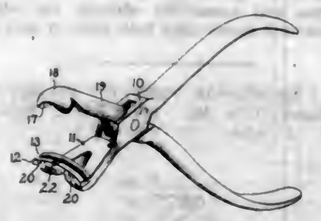
5. The combination with an inner and an outer tank in spaced relation, the inner tank having a drainage opening therein, of a valve member for controlling flow

through the said drainage opening consisting of a hollow member in the space between the two walls and having a bottom wall adjacent the said drainage opening and provided with an opening through which fluid from the drainage opening may discharge, said body having a



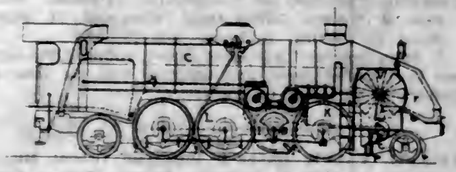
flange secured to the wall of the inner tank about the said discharge opening, the opening in the bottom wall of the hollow member being provided with a valve seat, a valve body supported by the hollow member, a valve stem movable longitudinally in the body, and a valve on the said stem adapted to engage the said seat.

1,638,078. TOOL FOR WIDENING AND NARROWING BRIDGES OF OPHTHALMIC MOUNTINGS. EUGENE EDWARD BELL, Dayton, Ohio, assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed May 20, 1926. Serial No. 110,400. 2 Claims. (Cl. 81—36.)



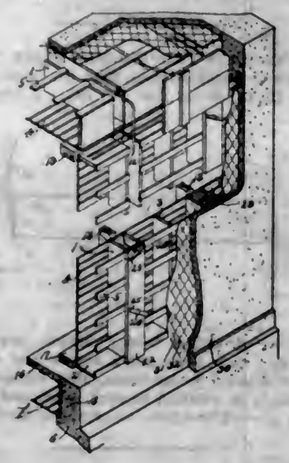
1. A tool for widening and narrowing the nose bridge of an ophthalmic mounting comprising an arcuate clamp head having a longitudinal groove adapted to hold the nose bridge therein, a second clamp head having a concave pressing face aligned with the arcuate head and adapted to engage the nose bridge, and means to force the clamp heads together to compress the nose bridge to change the distance between its ends.

1,638,079. STEAM-TURBINE LOCOMOTIVE. GIUSEPPE BELLUZZO, Milan, Italy, assignor to Società Italiana Ernesto Bredo, Milan, Italy. Original application filed Feb. 28, 1923, Serial No. 621,933, and in Italy Mar. 8, 1922. Divided and this application filed Sept. 4, 1925. Serial No. 54,566. 2 Claims. (Cl. 105—38.)



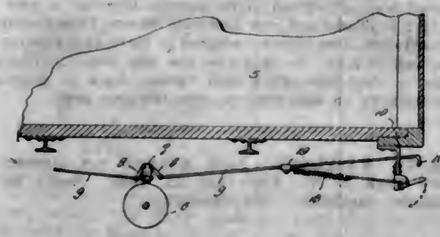
1. A steam turbine locomotive including a boiler, side beams, an intermediate shaft, groups of coupled drive wheel axles, a plurality of turbines, reduction gears arranged under the boiler and between the side beams, and adapted to drive said intermediate shaft, the latter being located between the groups of coupled wheel axles, and means for transmitting movement from the intermediate shaft to the wheel axles.

1,638,080. CONCRETE BUILDING CONSTRUCTION. ALBERT F. BEMIS, Newton, and HORATIO W. BROWN, Concord, Mass., assignors, by mesne assignments, to Bemis Industries Inc., Boston, Mass., a Corporation of Delaware. Filed Feb. 17, 1922. Serial No. 537,178. 8 Claims. (Cl. 72—15.)



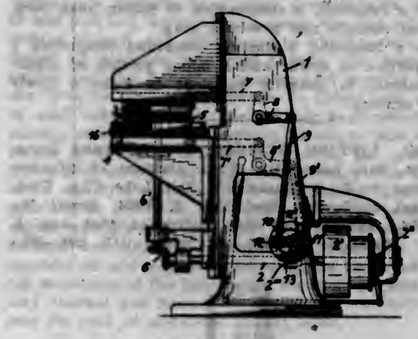
1. A concrete structure comprising monolithic outer walls having integral studs, and permanent unitary forms embedded in said walls and each providing plaster supporting elements lying in a plane spaced from the plane of the inner surface of said studs and terminating adjacent said studs, said elements being aligned with similar elements upon adjoining forms.

1,638,081. AUXILIARY BLEED-VALVE ACTUATOR FOR AIR-BRAKE EQUIPMENT. CLYDE E. BLOSE, Springfield, Ohio. Filed Dec. 1, 1926. Serial No. 151,932. 4 Claims. (Cl. 137—159.)



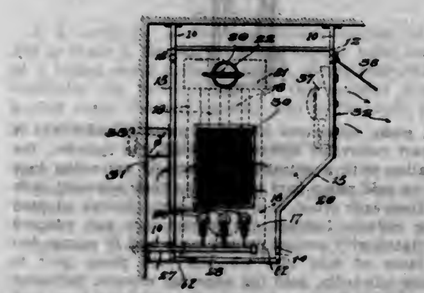
1. In an auxiliary bleed valve actuator for air brake equipment wherein a pull rod is connected at one end to the bleed valve, a lever pivoted to the equipment carrying car adjacent to the operating end of the pull rod, a spring connection between the lever and the pull rod whereby the pull rod will be actuated when the lever is swung in one direction and be released when the lever is swung in a reverse direction, and means cooperating with the spring connection for maintaining the lever in rod pulled position.

1,638,082. GRINDING MACHINE. PAUL BRÜHL, Duesseldorf, Germany. Filed Jan. 12, 1926, Serial No. 80,750, and in Germany Jan. 14, 1925. 3 Claims. (Cl. 51—67.)



1. Grinding machine comprising a pair of grinding plates, means for reciprocating said grinding plates, and a rotary cage between said plates in which the parts to be ground are inserted.

1,638,083. UNIT HEATER FOR AIR SPACES. ALLEN AXEL BLOMFELDT, Newport, Ky. Filed Oct. 27, 1925. Serial No. 65,107. 6 Claims. (Cl. 126—116.)



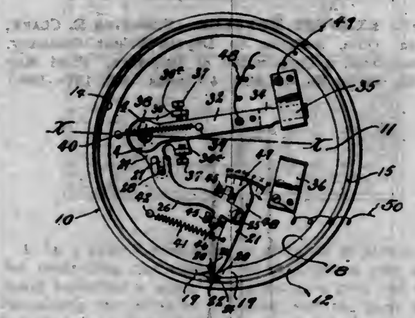
1. A heater comprising a casing having an air inlet port, an air heater member mounted within said casing to heat the air entering said casing tthrough said air inlet port, a casing door having an air exit port therein, and a power driven air circulating element mounted upon said door to drive the heated air from said casing through said air exit port when the door is closed, said door when open affording a low pressure exit for the heated air and affording access to said air circulating element.

1,638,084. SPEED-ACCELERATING MECHANISM. THOMAS J. BUTLER, Harrison, N. J. Filed Aug. 14, 1925. Serial No. 50,285. 15 Claims. (Cl. 244—2.)



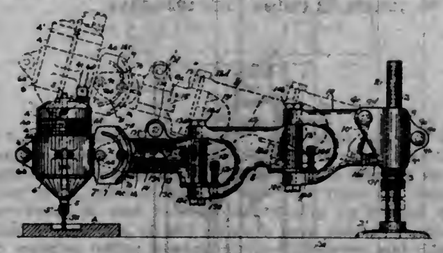
2. A speed-accelerating means comprising a longitudinal series of pairs of transversely opposed rotatable spindles, a propelling disc mounted upon each spindle, and means cooperating with said spindles for progressively accelerating the rotary speed of successive pairs of spindles and the propelling discs carried thereby.

1,638,085. THERMOSTAT. JOHN O. CARNEY, St. Louis, Mo., assignor to Carney-Morse Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed May 1, 1925. Serial No. 27,261. 6 Claims. (Cl. 200—139.)



1. A thermostatic device comprising in combination, a circular housing provided with an annular wall, a resilient split ring arranged within said housing and bearing against the inner face of said wall, the ends of said ring being offset in radial direction relative to each other, said housing and said ring having different coefficients of contraction and expansion whereby the contraction of said housing causes the ends of said ring to move toward each other, a lever arranged in said housing and having one end in fulcrum relation with said ends, being operable by said ends in one direction by the contraction of said housing, a tension member for moving the lever in the opposite direction, a stationary contact member, a switch blade pivotally mounted in said housing and movable into engagement with said contact member, an element connected to said lever, means for adjusting the relative positions of said lever and said element to render said lever operable at different temperatures, and a member having lost motion connection with said switch blade and in operative engagement with said element.

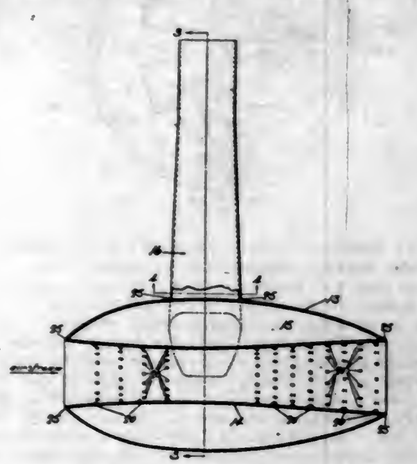
1,638,086. ADJUSTABLE SUPPORT FOR ROUTING MACHINES. RAY L. CARTER, Syracuse, N. Y. Filed Feb. 7, 1925. Serial No. 7,727. 3 Claims. (Cl. 90—12.)



1. In combination with a pedestal, a bracket member mounted on the pedestal, means for adjustably supporting the member on the pedestal, a boss carried by the member, a second bracket member pivoted to the first member, an adjustable element carried by the second member and engageable with the boss so as to hold the second member in different pivoted positions relative to the first member, a motor having a peripherally threaded casing and having a router on its armature shaft, a cylindrical internally threaded member threadedly receiving the motor therein, and having a radial wing, a member having an axial socket, means to connect said last named member to the second bracket member, a member having a circular stem received in said socket and having

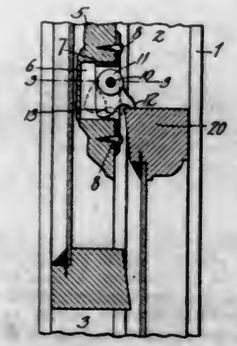
a flat part, means to pivotally connect the wing of the cylindrical member to said flat part, and means connected to the wing and to said flat part for enabling the motor to be adjusted about said last named pivot.

1,638,087. EXHAUST MUFFLER. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1923. Serial No. 637,827. 4 Claims. (Cl. 137—160.)



1. In a silencer for an internal-combustion engine, an oval shaped elongated expansion chamber, a single exhaust pipe leading substantially tangentially into said chamber at approximately the longitudinal center of said oval, an air passage extending longitudinally through the central portion of said oval chamber, and a plurality of relatively small exhaust outlets leading from the expansion chamber into said air passage and distributed over a substantial area on both sides of said central exhaust inlet pipe.

1,638,088. WINDOW-SASH FASTENER. WILLIAM J. COLLINS, Brooklyn, N. Y. Filed July 26, 1926. Serial No. 124,969. 3 Claims. (Cl. 292—194.)



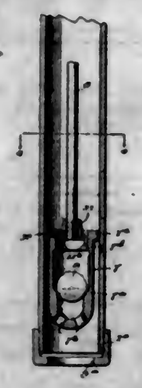
1. A sash fastener comprising a body member adapted to be secured adjacent to the sash path, and a fastening dog mounted upon a pivot in said body member, said dog being formed with a sash-engaged lug and a sash-gripping cam surface extending eccentrically to said pivot.

1,638,089. FUNGICIDE. RALPH B. DEER, Flushing, N. Y., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 15,596. 6 Claims. (Cl. 167—6.)

5. As a fungicide, a composition of sulfur, soap bark, aluminum resinate and powdered soap.

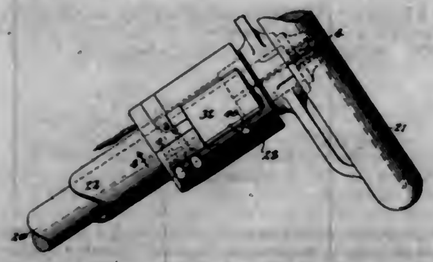
6. As a fungicide, a dusting compound comprising a major portion of sulfur and a minor portion of aluminum resinate in quantity sufficient to make a freely flowing mixture.

1,638,090. LIFTING DEVICE. JOSEPH JAMES DUCKWORTH, Salt Lake City, Utah, assignor of fifty-two per cent to T. O. Duckworth, Salt Lake City, Utah. Original application filed Feb. 2, 1924, Serial No. 690,254. Divided and this application filed Aug. 5, 1926. Serial No. 127,395. 5 Claims. (Cl. 294—86.)



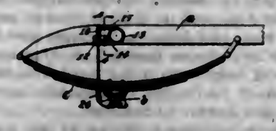
1. In pump apparatus having a pump cylinder and a pump part removable upwardly through the cylinder, the combination with a plurality of centrally extending lugs carried on said pump part and having their adjacent ends spaced from each other, of a lug engaging element adapted to enter endwise between the spaced ends and adapted to be rotated with respect to said ends and to engage the under faces of said lugs whereby said pump part is removable upwardly, said lug engaging element including a body block and means for coacting with said lugs, said body block having its upper portion tapered toward the upper end whereby from a location below the lugs the block may be guided upwardly into position between the spaced ends of said lugs.

1,638,091. SIGNAL-CONTROLLING MECHANISM FOR AUTOMOBILES. WILLIAM A. ECKERT, Buffalo, N. Y. Filed Aug. 22, 1923. Serial No. 658,812. 4 Claims. (Cl. 200—59.)



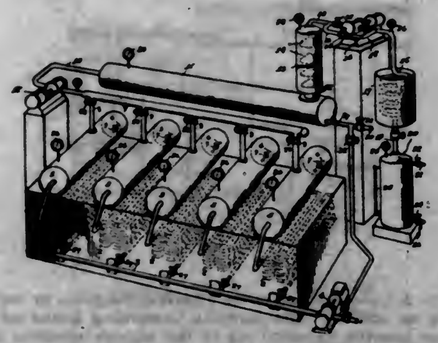
1. A signaling mechanism for an automobile having its steering gear provided with a rotary steering post and a stationary column surrounding said post, comprising a rotary carrier mounted on said post and provided on its periphery with a circumferential locking channel one wall of which is provided with a lateral passage, an electric switch mounted on said column and having a controlling pin movable in a plane parallel with the axis of said post and through said passage into and out of said locking channel, and shifting means which permit the entrance of said pin into said channel for closing said switch and also permit of turning said steering post in one direction and which operate to deflect said pin out of said locking channel for opening said switch upon turning said post in the opposite direction, said shifting means consisting of a latch pivoted on the carrier opposite said passage and adapted to swing into and out of an operative position across said locking channel, and provided on its front side with a cam face adapted to engage said pin and deflect the same out of said locking channel and adapted to engage its rear side with a shoulder on said carrier for arresting the backward swinging movement of the latch when the same projects across said channel and means for moving the controlling pin into the path of movement of said latch.

1,638,092. SHOCK ABSORBER. GEORGE M. EDGARTON, Boston, Mass. Filed Oct. 13, 1924. Serial No. 743,234. Renewed Feb. 2, 1927. 3 Claims. (Cl. 267—58.)



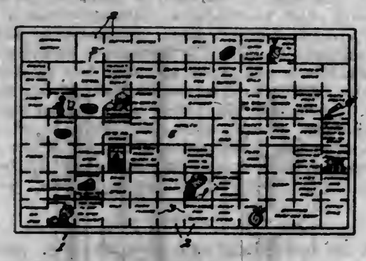
2. A combined snubber and shock-absorber as specified by claim 1, the said clamping bracket being composed of a folded metal plate forming a socket embracing substantially the entire length of the confined arm, and having edges clamped together and to the body member by clamping bolts.

1,638,093. PROCESS FOR CRACKING OIL. GUSTAV EGLOFF, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 20, 1920, Serial No. 432,071. Renewed Jan. 3, 1927. 6 Claims. (Cl. 196—47.)



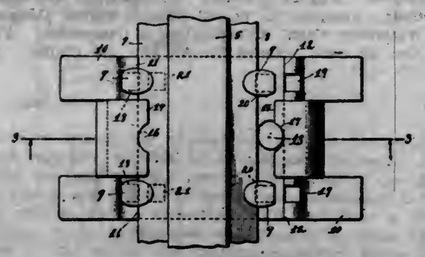
2. A process of cracking oil, consisting in passing oil in a stream of restricted cross section through a furnace to be subjected to cracking conditions of temperature and pressure, in introducing the oil from the stream to an expansion chamber and in maintaining a pressure thereon substantially equal to the pressure maintained in the stream, in discharging the vapors from the expansion chamber to a second enlarged chamber communicating with a dephlegmator, and in maintaining said vapors in said second chamber and in said dephlegmator under an increased superatmospheric pressure.

1,638,094. GAME. BENJAMIN R. GILMOUR, Yonkers, N. Y. Filed Apr. 12, 1924. Serial No. 706,182. 3 Claims. (Cl. 273—134.)



1. In a game for children, a plurality of pieces, means for controlling the advance of said pieces and a game board including a point of beginning, a goal and a path connecting the point of beginning and the goal, divided into spaces, a fixed point of entrance and exit in each space, said points of entrance and exit being variously located in the spaces forming a path sufficiently tortuous and comprising a sufficient number of spaces to form an uncharted maze or labyrinth, the arrangement being such that a player cannot readily determine by inspection of the board the direction in which his piece should be moved in order to progress toward the goal, so that a child playing the game is required to fix in his mind the way by which a given point was reached in order to avoid retracing his course.

1,638,095. ANTICREEPING DEVICE FOR RAILWAY RAILS. EMIL F. HOLINGER, New York, N. Y., assignor to E. Chase Crowley, New York, N. Y. Filed Nov. 17, 1926. Serial No. 148,832. 3 Claims. (Cl. 238—304.)

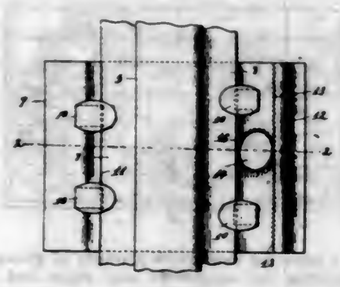


1. In an anticreeping device, a tie-plate adapted to support a rail, an abutment on said plate adapted to lie against the outer base-flange of said rail, a ridge on said plate lying adjacent to and separated from the inner base-flange of said rail, an overhanging lip formed by folding a portion of said tie-plate upon said ridge, and an engaging rolling member interposed between said ridge and inner base-flange and adapted to lie beneath said lip, the latter having a notch in its edge for the introduction of said rolling member.

1,638,096. ANTICREEPING DEVICE FOR RAILWAY RAILS. EMIL F. HOLINGER, New York, N. Y., assignor to E. Chase Crowley, New York, N. Y. Filed Dec. 11, 1926. Serial No. 154,123. 3 Claims. (Cl. 238—304.)

1. In an anticreeping device a tie-plate adapted to support a rail, an abutment on said plate adapted to be against the outer base-flange of said rail, a serrated ridge on said plate adjacent to and separated from the

inner base-flange of said rail, and a toothed rolling member located in the space between said inner base-flange and said ridge, in mesh with such serrations and adapted to

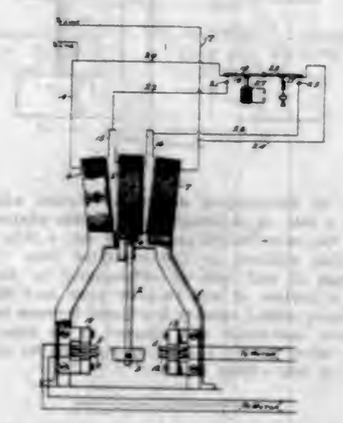


engage frictionally with said inner base-flange and to increase such frictional gripping action by the movement of said rail longitudinally.

1,638,097. METHOD OF POLISHING SHOES. FRANCIS KINGSLEY, Pelham Manor, N. Y. Filed Apr. 19, 1922. Serial No. 555,560. 2 Claims. (Cl. 15—269.)

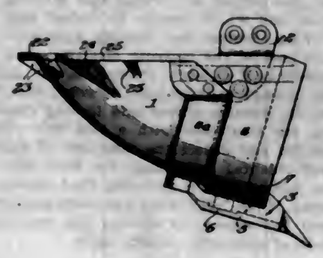
1. The herein described method of rapidly polishing shoes which consists in applying polish to a shoe, brushing it with a high speed power driven brush, rubbing the surface with a hard loosely woven cloth having a greater abrading action than said brush, and then removing the powder resulting from the abrading action of said cloth with a smooth soft cloth.

1,638,098. RELAY. HENRY C. ROCHETTE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 22, 1921. Serial No. 516,911. 10 Claims. (Cl. 175—337.)



1. In a relay, a polarized movable circuit controller, actuator fields located on opposite sides of the controller, said actuator fields normally opposing the controller field and thus normally maintaining the controller in inoperative position, and means for varying the strength of the fields to cause movement of the controller.

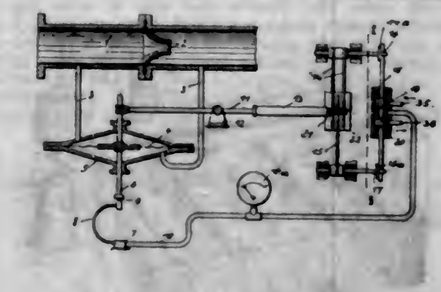
1,638,099. ENDLESS-CHAIN EXCAVATOR BUCKET WITH DIGGING TEETH. CLAUDE ROBARDEY, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 27, 1924. Serial No. 745,988. 4 Claims. (Cl. 37—191.)



1. In a link chain bucket conveyor, the combination of a link, a hanger having a two-point suspension on said link which fixes the hanger against angular motion relatively to the link, and a digging bucket suspended by said hanger from said link; said hanger and bucket having a tongue and groove interlock in a plane transverse to the plane of suspension and extended in the direction of the length of the bucket horisontally beyond the attachment of the hanger to the link.

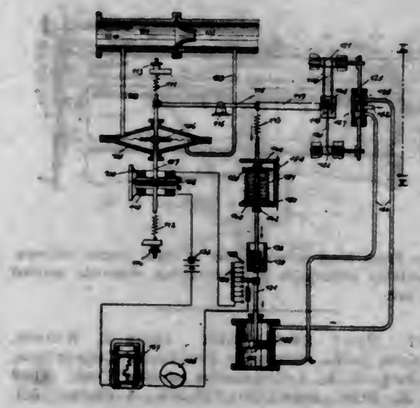
3. An excavating bucket having at its forward margin a strengthening belt extending to the upper forward corners thereof and having a horizontal strengthening flange extending around its upper margin and merging with said belt.

1,638,100. MEASURING SYSTEM. ERICH ROUČKA, Blansko, Czechoslovakia. Filed July 17, 1922, Serial No. 575,746, and in Austria Feb. 16, 1918. 9 Claims. (Cl. 73—167.)



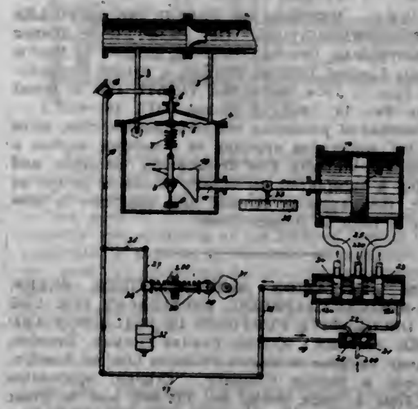
1. A system for measuring a variable condition by varying an auxiliary fluid condition, comprising means movably sensitive to variations in the variable condition to be measured, means movably sensitive to an auxiliary fluid condition, said two means being connected so as to have a balanced relation, means responsive to departure from said balanced relation of said devices as a function of the variation in said condition to be measured, means for varying said auxiliary fluid condition, means adapted to be actuated by auxiliary power to periodically cooperate with said means responsive to departures from balance for actuating said last-mentioned means to vary said auxiliary fluid condition as a function of said condition to be measured and restore said balance, and means for measuring said auxiliary fluid condition.

1,638,101. SYSTEM OF MEASURING BY AUXILIARY ENERGY. ERICH ROUČKA, Blansko, Czechoslovakia. Filed July 17, 1922, Serial No. 575,748, and in Czechoslovakia Aug. 16, 1921. 8 Claims. (Cl. 73—167.)



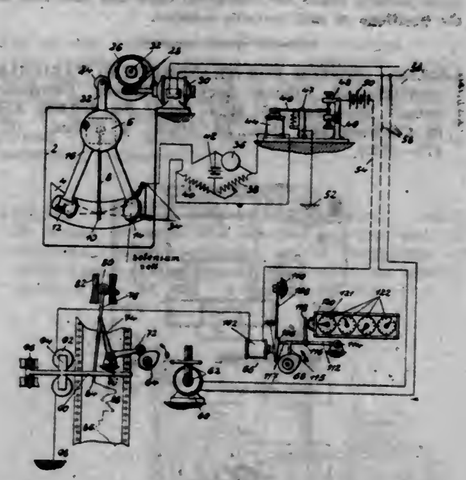
1. A measuring system of the class described for varying an auxiliary condition in accordance with variations in a value to be measured, comprising means sensitive to variations in said value, means sensitive to variations in said condition to balance the first mentioned sensitive means, means responsive to departures from balance of said two sensitive means, means controlled by said means responsive to departures from balance for varying said condition, means for measuring said condition, and means cooperating with said means for varying said condition and said means responsive to departures from balance during the operation of said means for varying said condition to prevent overthrowing or hunting of said means responsive to departures from balance.

1,638,102. MEASURING SYSTEM. ERICH ROUČKA, Blansko, Czechoslovakia. Filed July 17, 1922, Serial No. 575,755, and in Czechoslovakia Aug. 30, 1921. 4 Claims. (Cl. 73—167.)



1. A measuring system of the character described in which the position of a movable member is varied as a measure in accordance with a variable value, said system comprising movable means sensitive to variations in the magnitude of said value, including a plurality of relatively movable slidably cooperating parts, means including a plurality of relatively slidable parts and actuated by auxiliary energy for exerting a mechanical force upon said first-mentioned means to balance the latter, governing means for controlling the application of said auxiliary energy to said second-mentioned means to vary said force including a plurality of relatively slidable parts, means responsive to departures from balance of said first two-mentioned means due to variations in said value including a plurality of slidable cooperating parts for actuating said governing means, one of said relatively movable slidably cooperating parts of each of said four-mentioned means being operatively connected to one of said parts of one of the others of said four-mentioned means, and means for vibrating one of said parts to produce relative vibration of all of said slidably cooperating parts to reduce friction therebetween.

1,638,103. SYSTEM FOR TRANSMITTING OR MEASURING VARIABLE CONDITIONS. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Feb. 6, 1923, Serial No. 617,343, and in Czechoslovakia Feb. 14, 1922. 3 Claims. (Cl. 177—351.)

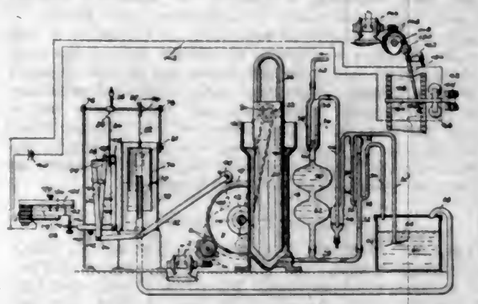


3. In a system for transmitting variable conditions, means regularly movable in a fixed path in cycles of regular intervals of time including a source of ray energy and a ray responsive device, means movable in a fixed path by and in accordance with variations in the condition to be transmitted and cooperating with the source of ray energy and the ray responsive device of said regularly movable means to control the influence of the ray energy on the ray energy responsive device in accordance with variations in said condition, a source of auxiliary energy, and means including said ray responsive device for producing an impulse of said auxiliary energy at a point in each cycle of the movement of the regularly variable means corresponding to the then magnitude of the variable condition.

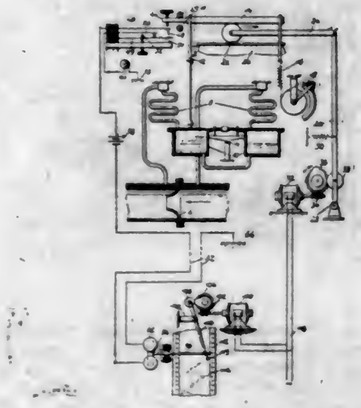
1,638,104. MEASURING SYSTEM. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Aug. 9, 1923, Serial No. 656,512, and in Czechoslovakia Aug. 14, 1922. 11 Claims. (Cl. 177—351.)

1. A transmitting system of the character described comprising a member variably movable between two extremes in accordance with the variations of the magnitude of a condition to be transmitted in cycles of regular intervals of time, means for temporarily holding said movable member in the position assumed at the end of each cycle, means actuated by auxiliary power in cycles of regular intervals of time, a source of auxiliary energy, and means to cooperate with the last-mentioned means

and said movable member while the latter is in the position assumed at the end of the cycle to produce an impulse of said auxiliary energy so that the time positions of said impulses in the intervals of time of the corresponding cycles are dependent upon and functions of the positions of said movable member.



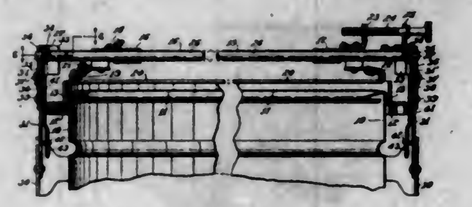
1,638,105. SYSTEM FOR TRANSMITTING VARIABLE CONDITIONS. ERICH ROUČKA, Blansko, Czechoslovakia. Filed Jan. 15, 1924, Serial No. 686,330, and in Czechoslovakia Jan. 16, 1923. 4 Claims. (Cl. 177—351.)



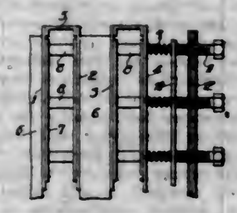
1. In a system for transmitting variable conditions, the combination of means movably sensitive to a condition which exerts a force corresponding and in quadratic relation to the magnitude of the condition, a lever, means mounting said sensitive means to exert its force on one end of said lever, a movable fulcrum for said lever intermediate its ends, means for exerting a constant auxiliary force upon the other end of said lever opposing the first force, a cam revoluble in regular cycles of equal intervals of time and operatively connected to said fulcrum to regularly vary the position of the latter to balance said forces, and means for producing an impulse of auxiliary energy actuated by said lever when said forces are balanced, whereby the time position of said impulse in the cycle is proportional or in other predetermined relation to the magnitude of said condition.

1,638,106. SNARE DRUM. CECIL H. STRUPS, Indianapolis, Ind., assignor to Leedy Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 15, 1923. Serial No. 668,455. 18 Claims. (Cl. 84—415.)

1. The combination with a drum, of a pair of supports carried by the drum shell, an external bar extending across the drum head between said supports, a single means carried by the drum shell by which said bar may be readily shifted bodily on the supports toward and from the drum head substantially at right angles thereto, and relatively adjustable snare-carrying elements carried by said bar.



1,638,107. HEAT EXCHANGER. LOUIS C. WHITON, New York, N. Y., assignor to Prat-Daniel Corporations, New York, N. Y., a Corporation of New York. Filed July 25, 1924. Serial No. 728,103. 1 Claim. (Cl. 257—245.)



A heat exchanger for fluids formed of plates with spacers between the open edges of said plates and with springs bearing against at least one of the end plates of the assemblage to press the parts together, said spacers comprising struts connected together in proper relative positions.

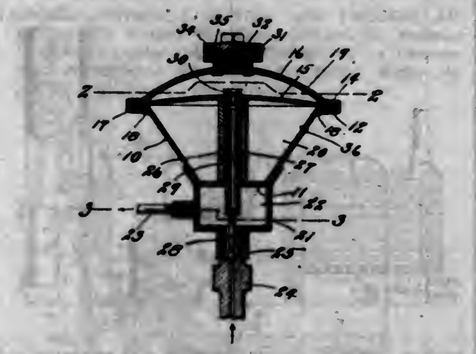
1,638,108. METHOD OF PRODUCING ARTICLES FROM COMPOSITIONS OF MATTER. ALBERT BARNES-THOMAS, Dresden, Germany, assignor to Marvle Products Limited, London, England, a British Company. Filed June 3, 1924, Serial No. 717,547, and in Great Britain Feb. 14, 1924. 5 Claims. (Cl. 18—47.5.)

1. A method of producing imitation marble, tiles, slabs or the like, comprising applying to a molding surface a substance substantially free from gritty materials and containing a substantial percentage of casein to act as a glazer, then applying to said first substance a base material to form an integral mass.

1,638,109. IMITATION MARBLE, TILES, SLABS, AND SIMILAR MATERIAL ESPECIALLY FOR USE FOR DECORATIVE PURPOSES IN BUILDINGS AND OTHER PLACES. ALBERT BARNES-THOMAS, Dresden, Germany, assignor to Marvle Products-Limited, London, England, a British Company. Original application filed June 3, 1924, Serial No. 717,547, and in Great Britain Feb. 14, 1924. Divided and this application filed Aug. 6, 1925. Serial No. 48,660. 14 Claims. (Cl. 18—48.8.)

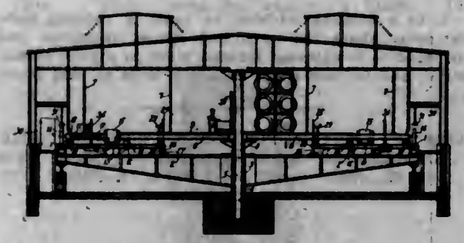
1. An article of manufacture such as imitation marble, a tile, slab or the like comprising a facing or surface containing cement and casein and constituted by an initial film like surfacing layer and a thicker layer, to which latter is united a concrete-like backing.

1,638,110. PRESSURE-REDUCING DEVICE. JOHN O. CARREY, St. Louis, Mo., assignor to Carrey-Morse Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed May 22, 1923. Serial No. 640,633. 5 Claims. (Cl. 50—21.)



4. A pressure reducing device comprising a casing provided with a pressure chamber and a receiving chamber of unequal diameters, each of said chambers being provided with an inner yielding wall or diaphragm, a tubular section secured at its ends to said walls, an adjustable stem in said section and provided with a duct for conveying the fluid from the receiving chamber to said pressure chamber, an inlet connection for said receiving chamber and a valve for closing said inlet connection and operable by said stem when the diaphragm in said pressure chamber is actuated.

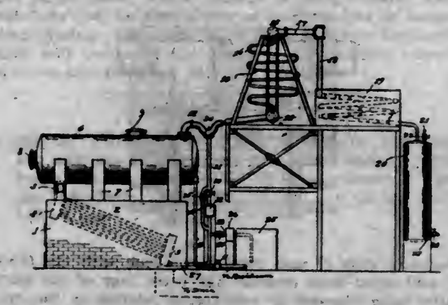
1,638,111. TIRE-TESTING APPARATUS. JOSEPH G. COFFIN, Hempstead, N. Y., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Nov. 24, 1923. Serial No. 676,718. 17 Claims. (Cl. 73—51.)



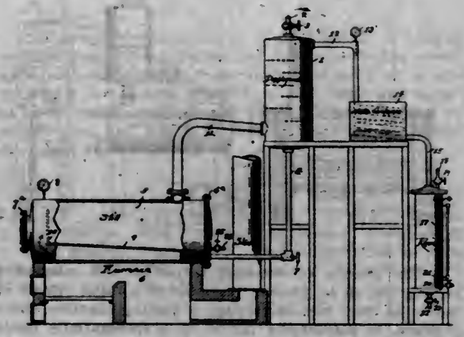
1. Tire testing apparatus including in combination, a multiplicity of tire-supporting devices permitting independent rotation of tires thereon, a member having a surface adapted to engage and wear out tires on said supports and extending at the point of contact therewith substantially parallel to the axis of revolution of each tire, said tire supporting devices being substantially fixed against displacement in the direction of travel of said member, and means for relatively moving the supporting devices and member.

1,638,112. PROCESS OF TREATING HYDROCARBONS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Sept. 29, 1919, Serial No. 327,815. Renewed Mar. 24, 1927. 1 Claim. (Cl. 196—58.)

A process of converting heavy into lighter hydrocarbon, consisting in continuously passing oil through a heating zone where it is subjected to a cracking temperature, in introducing the heated oil to an enlarged vapor chamber, in discharging unvaporized residue from said vapor chamber and preventing it from again coming in contact with the incoming charging stock fed to said heating zone, in taking off vapors from said vapor chamber and passing them through a vapor line to a reflux condenser, in trapping all the condensate produced in said line to prevent any of said condensate from directly returning to the vapor chamber, in returning said condensate, together with condensate produced in the reflux condenser to the heating zone for retreatment, in condensing and collecting the vapors from said reflux condenser, and in maintaining a vapor pressure above atmospheric on the oil undergoing conversion.



1,638,113. PROCESS FOR CRACKING OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Feb. 17, 1921, Serial No. 445,671. Renewed Mar. 24, 1927. 5 Claims. (Cl. 196—48.)

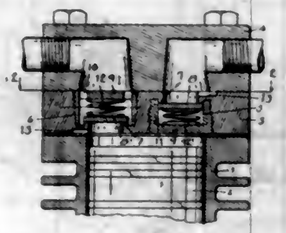


1. A process for cracking hydrocarbon oil, consisting in converting the oil at a cracking temperature in a reacting chamber, dephlegmating and condensing the generated oil vapors, returning the reflux and causing it to be introduced and flow through the zone of highest temperature in said reacting chamber, circulating the oil to promote conversion in the upper part of said chamber and collecting the precipitated carbon in the interior of the chamber and out of contact with the lower heated portion thereof.

1,638,114. AIR COMPRESSOR. HARLEY M. DUNLAP and DELMER M. PUTNAM, Battle Creek, Mich.; Rhoda S. Dunlap executrix of said Harley M. Dunlap, deceased. Filed Jan. 14, 1925. Serial No. 2,269. 5 Claims. (Cl. 230—84.)

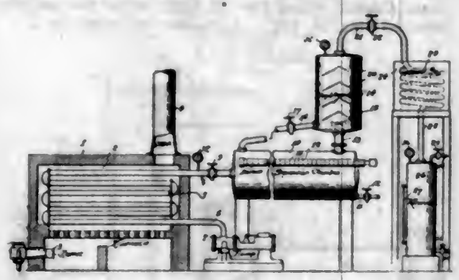
1. In a compressor, the combination of a cylinder, a head therefor comprising superimposed head members, the inner head member having inlet and discharge valve chambers therein provided with annular raised valve

seats, the outer head member having passages therein communicating with said valve chambers, disk valves coacting with said seats, the valve chambers being of a diameter substantially exceeding that of the valve seats, valve cages having ports in the outer ends thereof threaded into said valve chambers with their said guiding ribs projecting inwardly beyond the faces of said valve seats,



the outer ends of said cages being flush with the faces of said inner head member, the valve cage of the inlet valve being disposed in overlapping relation to the cylinder wall, the valve cage of the discharge valve being arranged in overlapping relation to the outer head member providing locking means for the cages, and springs arranged within said cages to coact with said valves.

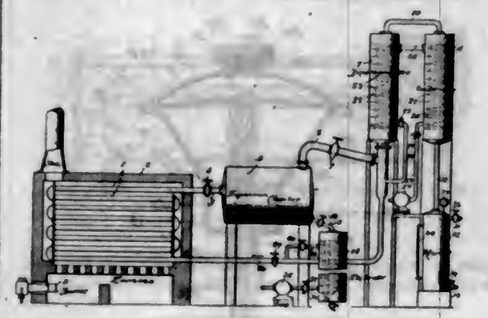
1,638,115. PROCESS OF AND APPARATUS FOR CRACKING OIL. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 13, 1920, Serial No. 430,125. Renewed Mar. 24, 1927. 3 Claims. (Cl. 196—48.)



1. The process of cracking petroleum oil, comprising heating the oil by passing the same in a small stream of restricted cross section through a heating chamber under pressure, in discharging the oil in a substantially liquid phase into an enlarged expansion chamber where vaporization takes place, in locally and positively heating the upper portion of said expansion chamber to impart heat to the vapors therein by applying heat to the chamber substantially along its entire length, in discharging the vapors to a reflux condenser, in retreating the reflux condensate separated from the vapor, and in maintaining the vapor pressure on the oil in said dephlegmator and expansion chamber.

1,638,116. APPARATUS FOR CRACKING HYDROCARBONS. GUSTAV EGLOFF and JOSEPH C. ALTHER, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 23, 1920, Serial No. 432,847. Renewed Mar. 24, 1927. 2 Claims. (Cl. 196—99.)

1. In an apparatus for cracking hydrocarbon oils, the combination with a furnace, of a cracking coil therein, an expansion chamber adjacent said coil into which oil is delivered, a reflux condenser, means for passing generated vapors to said reflux condenser, means for feeding charging stock to the reflux condenser to condense the heavier insufficiently cracked vapors, means for discharging residual oil from said expansion chamber, a preheater receiving said oil, means for feeding an inde-



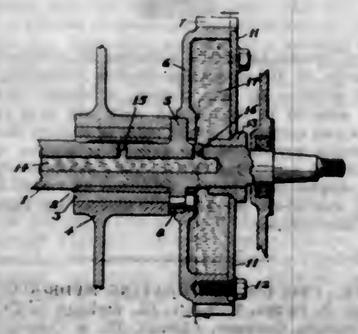
pendent supply of charging stock to said preheater, and means for introducing the heated charging stock from the preheater and the reflux condensate and charging stock from the reflux condenser to said cracking coil.

1,638,117. STAPLING MACHINE. WILLIAM FOLEY, St. Louis, Mo., assignor to International Shoe Company, St. Louis, Mo., a Corporation of Delaware. Filed Aug. 14, 1926. Serial No. 129,112. 8 Claims. (Cl. 1—2.)



1. In a stapling machine, an anvil, a resilient plate extending above the anvil and spaced therefrom and arranged to be extended through a slit in a piece of material, and inclined staple clamping walls on said plate.

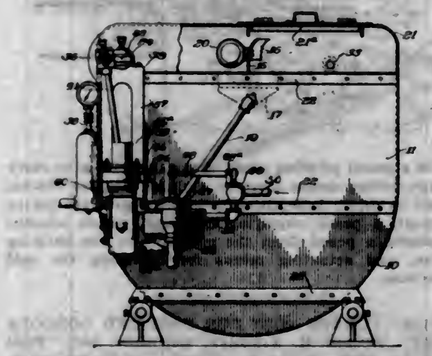
1,638,118. MEANS FOR SOUNDPROOFING GEAR MECHANISMS. HENRY FORD, Dearborn, Mich. Filed Apr. 22, 1926. Serial No. 103,954. 2 Claims. (Cl. 74—28.)



1. In a device of the class described, a shaft having a flange spaced from one end thereof, a gear ring mounted on said flange, a plate secured to one side of said gear ring and adapted to form a liquid compartment therewith, and a nut threaded to said shaft to form a combined

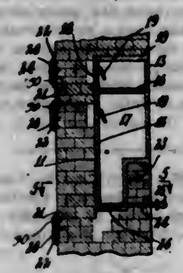
closure and locking member whereby the gear assembly may form a fluid tight compartment for a sound deadening liquid and will be held from movement axially of the shaft.

1,638,119. CHEMICAL MIXING AND FEEDING APPARATUS. WALTER H. GREEN, Chicago, Ill., assignor to General Zeolite Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1923. Serial No. 670,431. 8 Claims. (Cl. 210—29.)



1. Feeding apparatus, comprising, in combination, a container for liquid, measuring apparatus for apportioning liquid contained therein for discharge therefrom, and a closure co-operating with the container to completely house the measuring apparatus therein.

1,638,120. VENTILATED WALL RECEPTACLE FOR FOOD. CLARA L. HAYWOOD, Brooklyn, N. Y. Filed Mar. 2, 1925. Serial No. 12,618. 1 Claim. (Cl. 20—1.11.)

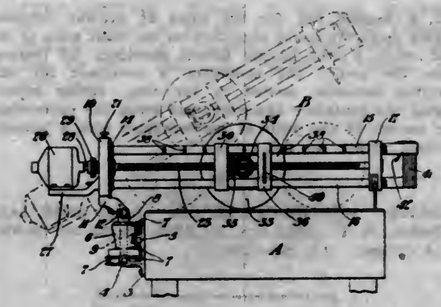


In a ventilated wall receptacle for food, a box interiorly divided by a shelf into upper and lower storage chambers, the lower portion of said box being somewhat restricted in area said box having the rear wall of each chamber, and the bottom wall of the bottom chamber perforated by a plurality of vent openings, obliquely disposed bricks separately in close adjacence to each of the plurality of vent openings in each of said chambers, horizontally disposed bricks separating said groups of obliquely disposed bricks form each other, house wall cover plates having vent openings secured over the rear of each group of obliquely disposed bricks, and slidable plates carried by said cover plates and having similar vent openings to said cover plates, allowing an exposure of the openings to any desired degree, or a perfect closure of the same, whereby each chamber may be separately ventilated, or closed and be dust-proof.

1,638,121. PROCESS OF PRODUCING ICE COLORS ON COTTON. KARL JELLINCK and WILHELM CHRIST, Offenbach-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Jan. 15, 1925, Serial No. 2,603, and in Germany Feb. 25, 1924. 2 Claims. (Cl. 8—5.)

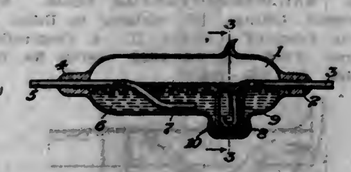
1. In the process of producing ice colors on cotton, the improvement which consists in using nonacid diazo solutions and, for the purpose of avoiding lean or nonuniform dyeings, adding to these diazo solutions substances that will neutralize the alkali of the padding solution without acidifying the bath.

1,638,122. POWER SAW. CHARLES H. JULL, Ben Avon, Pa., assignor to Pittsburgh-Erie Saw Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1926. Serial No. 102,447. 6 Claims. (Cl. 143—6.)



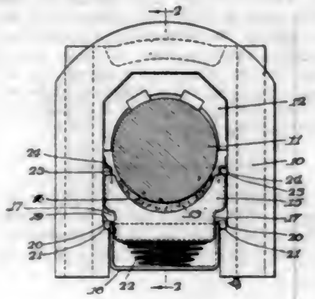
1. A power saw comprising in combination, a housing member mounted for lateral and vertical swinging movement, an elongated saw frame revolvably mounted in said housing, a saw carrier mounted on said frame and adapted to be moved longitudinally thereof, a saw mounted on said carrier, and means for locking said carrier against movement on said frame.

1,638,123. CIRCUIT CONNECTER. ROY D. MAILEY, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Feb. 1, 1924. Serial No. 689,984. 7 Claims. (Cl. 200—152.)



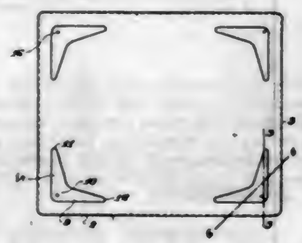
1. In an electric device comprising a container, electrodes therein and liquid conducting material therein adapted to open and close a circuit to the container and means in said device for insuring making and breaking a current flow therethrough between liquid surfaces comprising a cup positioned about the end of one of said electrodes, said cup being of a more highly refractory material than that of said container, and being held in place in the container by the electrode terminating herein and the envelope wall.

1,638,124. JOURNAL BOX. GEORGE E. McCOY and ERNEST HAWKER, Moncton, New Brunswick, Canada. Filed Jan. 27, 1927. Serial No. 164,113. 3 Claims. (Cl. 308—88.)



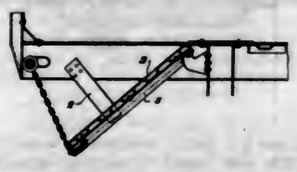
1. A journal box for the axles of railway vehicles having upwardly facing shoulders on the inner sides of its side walls, a tray having lateral shoulders for resting upon the named box shoulders, a container for oil-carrying material carried by the tray, spring means urging the container upwardly, and stops for preventing the contact of the walls of the container with a journal inclosed within the box.

1,638,125. HOPPER-CAR DOOR. JOHN McMULLEN, Buffalo, N. Y. Filed Sept. 29, 1925. Serial No. 59,408. 14 Claims. (Cl. 105—280.)



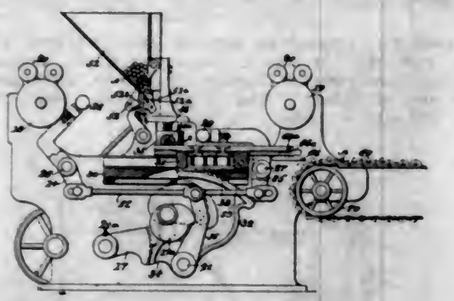
1. A metallic door for a railway dump car formed of a metallic plate having flanges on its adjacent sides, and an embossment in the corner adjacent to said flanges, the opposite ends of said portions merging into the plate of the plate.

1,638,126. RAILWAY-HOPPER-CAR DOOR. WALTER P. MURPHY, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 14, 1925. Serial No. 50,232. 2 Claims. (Cl. 105—280.)



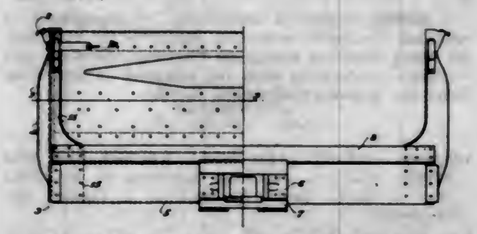
1. In a railway car having a door opening, a door hinged adjacent one edge thereof and supported at the opposite edge thereof, said door made of a metallic plate formed with integral reinforcements comprising spaced apart webs and flat connecting portions parallel to the original plane of the plate of greater width than said webs.

1,638,127. PENCIL-PRINTING PRESS. GEORGE FREDERICK RABUS, Cedar Rapids, Iowa. Filed Nov. 27, 1925. Serial No. 71,543. 15 Claims. (Cl. 101—38.)



1. In a pencil printing press, a movable platen to carry the type, inking means therefor, endwise movable chucks, adapted to rotate intermittently in time with the platen movement, a pencil supplying magazine, means adapted to transfer a pencil from the magazine to the printing position, and actuating means for operating the said mechanisms.

1,638,128. CORNER POST FOR DROP-END GONDOLA CARS. AUGUST G. SANDMAN, Baltimore, Md. Filed July 30, 1925. Serial No. 47,032. 14 Claims. (Cl. 105—406.)



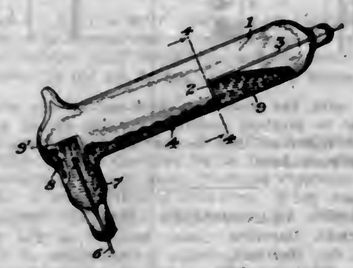
1. In combination with the other elements of a railway drop end gondola car; a corner post formed of plate steel comprising a side portion and an end portion substantially perpendicular to each other, said end portion being of constant width at its upper part with its outer rim curved to form a wider lower part for connection to the underframe of the car.

1,638,129. FAN BLADE. KING L. PARKER, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Sept. 21, 1925. Serial No. 57,575. 2 Claims. (Cl. 170—159.)



1. A fan blade comprising an area downwardly deflected from a plane of a median line, said area terminating in the advanced edge of the fan blade, an area adjacent to the inner edge of the blade having a relatively sharp upward curvature at its marginal edge, and an area lying adjacent to said first named areas having a curvature gradually reduced in degree proportionally to the distance from the axis of rotation.

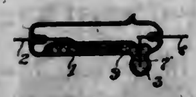
1,638,130. LIQUID-FLOW TIME SWITCH.. WARREN R. WALKER, New Dorp, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed June 26, 1924. Serial No. 722,427. 9 Claims. (Cl. 200—33.)



1. In a liquid flow time switch comprising a sealed envelope, a main chamber and a sub-chamber divided by a member terminating above the lower limits of said main chamber, mercury in said envelope sufficient to extend in said main-chamber and sub-chamber over said dividing member in a closed circuit position of the switch, electrodes sealed into said main chamber and said sub-chamber, and a flow restricting baffle across said main chamber in the path of mercury flow therein from an open circuit position to said closed position of the switch.

5. In a liquid flow time switch comprising a sealed envelope, a main-chamber and a sub-chamber divided by a member terminating above the lower limits of said main-chamber, mercury in said envelope sufficient to extend in said main-chamber and sub-chamber over said dividing member in a closed circuit position of the switch, an electrode sealed into said sub-chamber, a flow restricting baffle across said main chamber in the path of mercury flow therein from an open circuit position to said closed position of the switch, a conducting support mounted on said baffle and sealed through said envelope, and a member of conductive material carried by said support and extending into the mercury in said closed circuit position of the switch.

1,638,131. ELECTRIC SWITCH. WARREN R. WALKER, Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Mar. 5, 1925. Serial No. 13,077. 11 Claims. (Cl. 200—152.)



1. A mercury switch comprising an envelope of glass, mercury therein, and electrodes, one of which comprises a lead-in sealed into said envelope and a terminal portion of metal of the iron group welded to said lead-in and extending into said mercury.

10. A mercury switch comprising a sealed envelope of glass, mercury therein, and electrodes one of which comprises a lead of tungsten sealed into the envelope and a terminal thereon of oxygen free nickel.

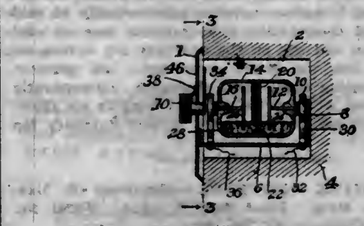
11. The method of making an electrode for a mercury device into which it is sealed which comprises welding a nickel terminal portion to a tungsten lead-in portion.

1,638,132. ELECTRIC SWITCH. WARREN R. WALKER, Bloomfield, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Feb. 15, 1926. Serial No. 88,392. 7 Claims. (Cl. 200—152.)



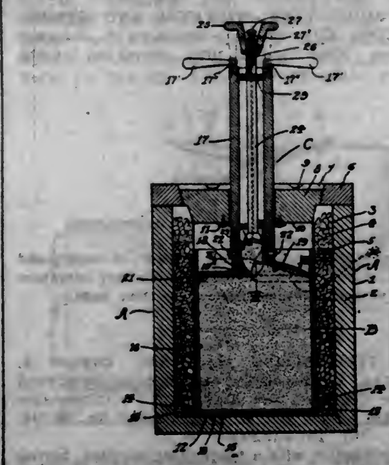
1. In an electric switch of the mercury flow type, a sealed envelope of glass, electrodes sealed into the envelope, mercury in the envelope, and a septum of arc resisting material positioned across the envelope in the line of flow of mercury therein for opening and closing a circuit therethrough, the wall of said envelope being fused down against said septum, and said septum being formed with a passageway for the mercury.

1,638,133. ROTATING CYLINDRICAL GLASS MERCURY SWITCH. WARREN R. WALKER, Bloomfield, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Jan. 20, 1927. Serial No. 162,267. 5 Claims. (Cl. 200—152.)



1. In combination with a liquid flow switch having a sealed body, axially aligned electrode leads terminating in electrodes in said envelope, and a body of mercury in said envelope for breaking and making the circuit between said electrodes, a wall plate, a bracket extending from said plate, said switch being mounted between said plate and said bracket for rotation about said electrode leads as axes.

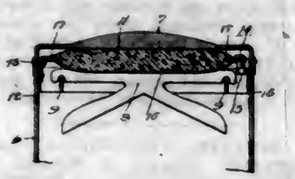
1,638,134. ICE-CREAM-HANDLING APPARATUS. SIDNEY B. WHITESIDE, New York, N. Y. Filed July 6, 1925. Serial No. 41,730. 2 Claims. (Cl. 107—8.)



1. An ice cream dispensing device comprising a tubular shank adapted to move axially through a radiation re-

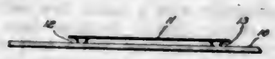
sisting cover of a cabinet or like container for ice cream cans, a head on said tubular shank adapted to engage and raise progressively portions of the ice cream from a mass, a dipper adapted to pass through the bore of said tubular shank, and means for manipulating said dipper to extract ice cream portions from the mass without exposing the mass of ice cream to radiation or contamination.

1,638,135. WARDROBE TRUNK. IRVING R. ALLEN, Chicago, Ill. Filed May 15, 1926. Serial No. 109,253. 5 Claims. (Cl. 190—13.)



1. The combination with the garment section of an open top wardrobe trunk, its top, hanger rails and garment hangers, of a padded auxiliary top device for the open top of said section movable independently of said trunk top, and co-operating lock members, one on said garment section and one on the auxiliary top device, co-operating to lock the latter down upon the garment hangers in pressing engagement therewith, independently of the trunk top, whereby the garment hangers are thereby held against movement relative to said auxiliary top device.

1,638,136. SHANK STIFFENER. REINHARD E. BARTELS, Lynn, Mass. Filed Sept. 8, 1920. Serial No. 408,800. 5 Claims. (Cl. 36—76.)



1. A shank stiffener comprising a blank of thin sheet metal having a hole formed by the striking of material therefrom adjacent to one end, the material so struck being transversely divided to form a pair of oppositely positioned prongs projecting from one face thereof and inclined toward each other.

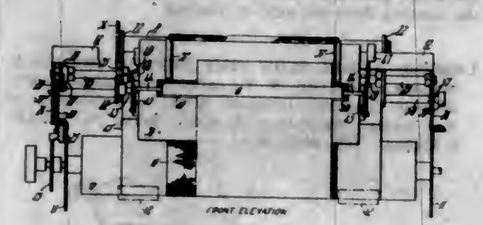
1,638,137. SHOE-SHANK STIFFENER AND METHOD OF MAKING THE SAME. REINHARD E. BARTELS, Lynn, Mass. Filed June 12, 1924. Serial No. 719,679. 12 Claims. (Cl. 36—76.)



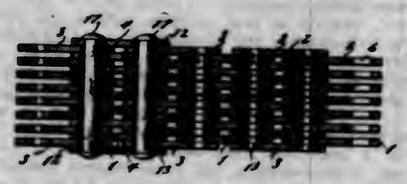
7. A shoe stiffener comprising a pair of superposed metal strips of inherently different longitudinal curvature sprung and welded together adjacent to their ends.

1,638,138. TYPEWRITING MACHINE. EDWARD A. BASKERVILLE, Omaha, Nebr., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 6, 1925. Serial No. 60,744. 7 Claims. (Cl. 197—132.)

1. The combination with a typewriting machine, having a revoluble platen and line-spacing mechanism therefor, of a pair of feed-rolls permanently held against said platen to hold and feed a work-sheet therearound by its side margins only, means operable by the line-spacing mechanism for feeding a length of carbon around the platen between and free of said feed-rolls, means for collating with the first work-sheet an outside work-sheet brought to printing position over the carbon and free of said feed-rolls, and means for holding the collated outside work-sheet.

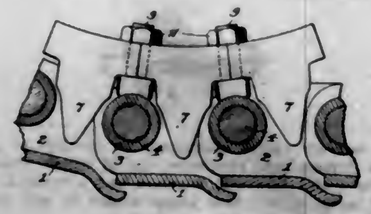


1,638,139. TRANSMISSION CHAIN. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Aug. 13, 1924. Serial No. 731,716. 7 Claims. (Cl. 74—32.)



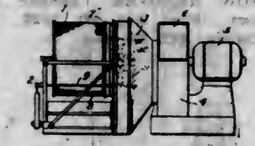
3. A chain of the silent link type comprising a plurality of sets of links, said links having openings in their ends, means passing through said openings including a bushing having a slot, a pin passing through the bushing, certain of the links being fastened to the pin, certain of the links being fastened to the bushing and certain of the links being free to rotate on the outside of the bushing.

1,638,140. TRACKLAYING TRACTOR. CLARENCE LEO BEST, San Leandro, Calif., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif., a Corporation of California. Filed Dec. 9, 1922. Serial No. 605,915. 5 Claims. (Cl. 74—31.)



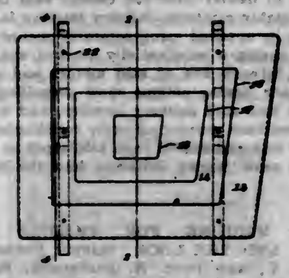
1. In a track laying tractor, the combination with a link tread, of a sprocket wheel over which the link tread runs, the sprockets of the wheel having radially adjustable intermediate bottom parts, said intermediate bottom parts having end portions sloping outwardly toward opposite sides of the wheel.

1,638,141. AIR-FILTER DRIVE. JOHN R. BOLLING, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1926. Serial No. 137,729. 4 Claims. (Cl. 183—9.)



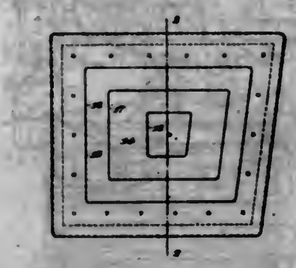
1. In an air filter, a filter screen, an oil dispenser related with said screen, and means for causing relative movement between said screen and said dispenser, said means driven by the air flowing through the screen.

1,638,142. PANELING FOR HOPPER DOORS FOR RAILWAY CARS. CHARLES DAVID BONSALL, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 50,871. 8 Claims. (Cl. 105—280.)



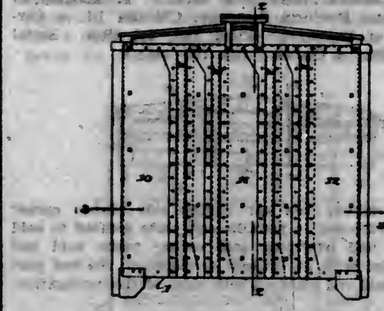
1. A plate metal door for a railway car having an embossed panel pressed from the plane of the plate with flat margins surrounding said panel, and an embossed panel pressed from the first mentioned panel with flat margins surrounding the last mentioned panel, the margins at the sides of the panels being narrower than the margins at the ends of the panels.

1,638,143. PANEL BRACING IN HOPPER DOORS FOR RAILWAY CARS. CHARLES DAVID BONSALL, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 50,872. 15 Claims. (Cl. 105—280.)



1. A plate metal door for a railway car having an embossed panel pressed from the plane of the plate with flat margins surrounding said panel, an embossed panel pressed from the first mentioned panel with flat margins surrounding the last mentioned panel, a similarly embossed metallic sheet secured to said plate with the embossments projecting in the opposite direction to those of the plate, and a strut between said plate and said sheet.

1,638,144. CAR-WALL STRUCTURE. CHARLES DAVID BONSALL, Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Sept. 26, 1925, Serial No. 58,845. Divided and this application filed Dec. 3, 1926. Serial No. 152,494. 5 Claims. (Cl. 105—410.)



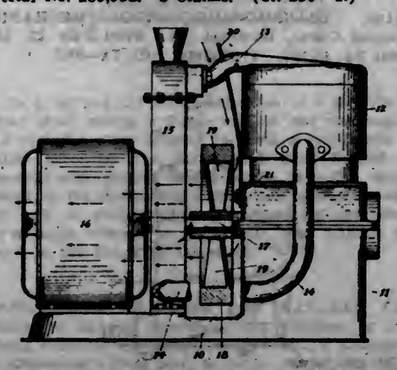
1. In a railway car, the combination of a metallic wall plate and a wooden lining spaced therefrom, said metallic plate provided with different depth corrugations, some of which are flush with the inside of said lining, and others of which are flush with the outside of said lining.

1,638,145. CARLINE REENFORCEMENT AND LOAD-LIFTING ATTACHMENT. CHARLES DAVID BONSALL, New Kensington, Pa. Filed Jan. 14, 1927. Serial No. 161,093. 9 Claims. (Cl. 105—355.)



1. In a railway car, the combination of roof sheets having upstanding flanges at their adjacent edges, an inverted U-shaped carline covering the flanges of adjacent roof sheets, a pair of vertical plates positioned between the roof flanges and attached to the carline on opposite sides of the center line of the car which extend below the roof sheets, and a splice member securing the vertical plates together provided with an aperture for the attachment of a load lifting device.

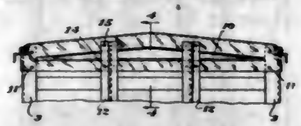
1,638,146. ENGINE AND GENERATOR COOLING SYSTEM. ALVIN E. BUCHENBERG, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Apr. 14, 1919. Serial No. 289,952. 3 Claims. (Cl. 290—1.)



1. In an electric generating unit, a water cooled gas engine, a radiator therefor, a generator, a fan, a common shaft for said engine, generator and fan, said generator

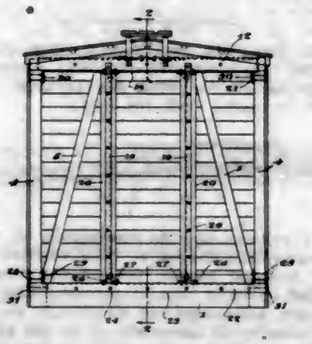
and radiator being located on the positive side of said fan and one beyond the other respectively in the path of the air moved by the fan.

1,638,147. END PLATE FOR RAILWAY BOX CARS. GEORGE THOMAS COOKE, New York, N. Y., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 11, 1924. Serial No. 685,594. 4 Claims. (Cl. 105—411.)



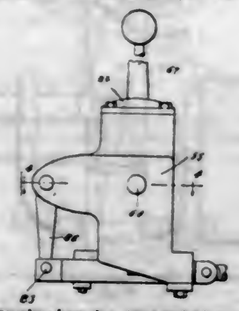
1. In a railway box car having side plates, corner posts and end posts; a metallic end plate secured to said side plates and overlying said corner posts, said end plate provided with an integral corrugation, the end post secured to said end plate on both sides of the corrugation.

1,638,148. END REENFORCEMENT FOR RAILWAY CARS. GEORGE THOMAS COOKE, New York, N. Y. Filed June 6, 1924. Serial No. 718,285. 3 Claims. (Cl. 105—411.)



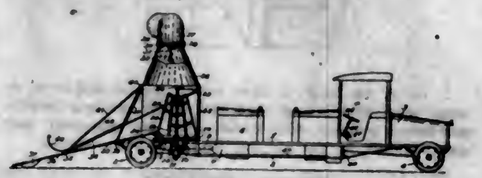
1. In a railway car, the combination of end posts, corner posts, side sills, an end sill, and a Z-shaped reenforcing member having a horizontal web secured to said end sill and said end posts, a rear vertical flange secured to said end posts, a front vertical flange secured to said end sill and provided with flanges secured to said side sills.

1,638,149. TRANSMISSION-CONTROL MECHANISM. CHARLES COTTA, Rockford, Ill. Filed July 22, 1925. Serial No. 45,157. 17 Claims. (Cl. 74—58.)



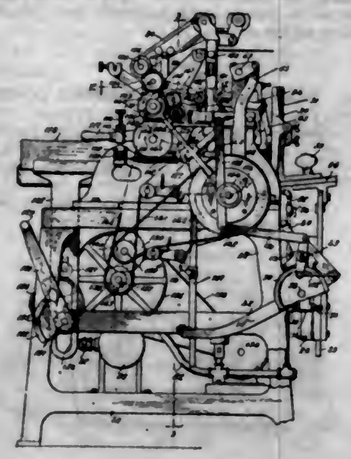
1. Control mechanism for transmissions comprising, in combination, three shift bars, a single control lever, and means operated by said control lever for simultaneously moving plural shift bars back and forth in the same direction or for simultaneously moving them in opposite directions.

1,638,150. SNOW REMOVER. ERNEST EBERHARDT, Waterloo, Iowa. Filed Aug. 20, 1926. Serial No. 130,524. 4 Claims. (Cl. 37—43.)



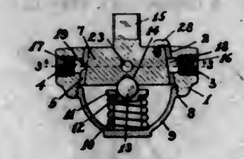
1. A snow remover, comprising in combination, means for transportation having independent motors mounted thereon, an open front casing mounted on said means for transportation, an inclined plane rigidly mounted upon said casing to deliver into the casing, said casing having an adjustably rotatable delivery member in communication with it, a vaned rotor rotatably mounted in said casing and having a substantially vertical shaft, driving connections between one of said motors and said shaft, and said rotor having oblique snow propelling vanes to propel snow into said delivery member, and having connecting cutter bars connecting outer terminations of said vanes along side and spaced from said shaft to shave and disintegrate snow masses delivered into the casing over said plane.

1,638,151. MACHINE FOR FEEDING SHEETS, LABELS, AND THE LIKE. MARTIN FEYBUSCH, New York, N. Y., and PAUL W. FLEISCHER, Weehawken, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Jan. 15, 1923. Serial No. 612,618. 14 Claims. (Cl. 271—28.)



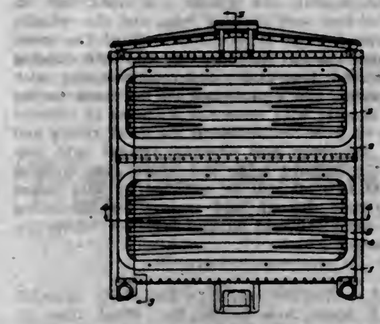
1. In a machine for removing sheets from a stack, a support for the stack of sheets, a suction arm, a rock shaft on which said suction arm is mounted, and means for operating said rock shaft to first move said suction arm toward and from said support and then swing said suction arm away from said support.

1,638,152. REGULATING VALVE FOR LIQUIDS AND GASES. JOSEPH A. GABRIEL, Cleveland, Ohio. Filed Aug. 6, 1921. Serial No. 490,373. 5 Claims. (Cl. 251—92.)



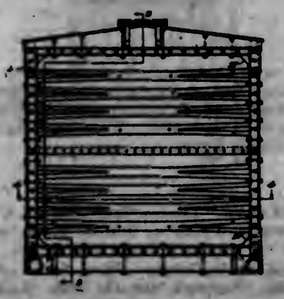
1. In a regulating valve, the combination of a body, the body having inlet and outlet openings, the body being provided with transversely extending recesses leading from said openings, a sleeve fixed in the body, the sleeve being provided with transversely extending slots opposite said recess, the slots having edges tapering from the outside to the inside of the sleeve, a plug rotatably mounted in the sleeve, the plug having grooves in the sides thereof and a conduit connecting the grooves, and said grooves being adapted to establish communication between said slots, substantially as described.

1,638,153. CORRUGATED METALLIC PLATE FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed May 16, 1925. Serial No. 30,777. 11 Claims. (Cl. 105—410.)



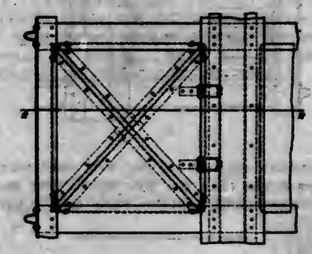
1. A metallic plate pressed to form a continuous corrugation surrounding a panel, said panel formed with transverse corrugations which merge into the opposite portions of the continuous corrugation.

1,638,154. CORRUGATED STRUCTURE FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed May 16, 1925. Serial No. 30,778. 27 Claims. (Cl. 105—410.)



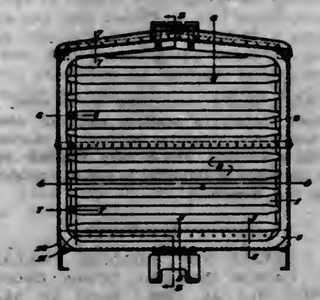
1. In combination with a railway car having corner posts, a metallic plate having a continuous web surrounding a panel provided with integral corrugations which merge into the opposite portions of said web but are of less depth than the web where they merge into it, said web being secured to the corner posts.

1,638,155. REENFORCING HOPPER DOOR FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 14, 1925. Serial No. 50,224. 2 Claims. (Cl. 105—280.)



1. A metallic plate door comprising a panel with a flange at each side thereof, and a pair of reenforcements which cross each other and extend continuously between the diagonally opposite corners of the door and are secured to said panel, said reenforcements provided with a flange at each of their opposite ends secured to the adjacent flanges of the door.

1,638,156. CORRUGATED METALLIC PLATE FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed May 16, 1925, Serial No. 30,777. Divided and this application filed Nov. 2, 1925. Serial No. 66,269. 8 Claims. (Cl. 105—410.)

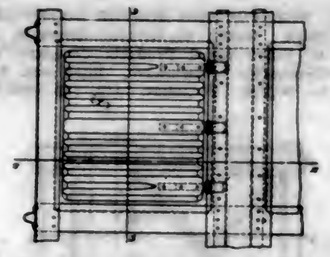


1. In a railway car the combination of a metallic side or floor sheet having a flange and an end wall comprising a metallic plate pressed to form a continuous corrugation surrounding a panel, said panel formed with transverse corrugations which merge into the opposite portions of the continuous corrugation, a portion of the outer wall of said continuous corrugation extended to form a flange secured to said sheet; said metallic plate secured to the flange of the sheet.

1,638,157. HOPPER DOOR FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 5, 1925. Serial No. 67,080. 4 Claims. (Cl. 105—280.)

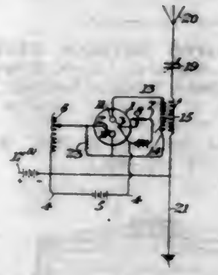
1. In combination with the other elements of a railway dump car; a door made of a metallic plate formed

with a marginal portion surrounding a continuous web which surrounds a panel, said panel provided with integral corrugations which traverse the panel and merge



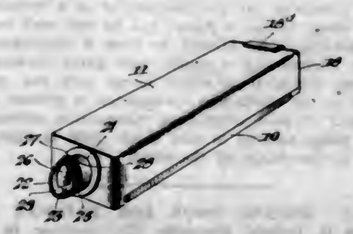
into the opposite portions of the web, said corrugations being of less depth than the web where they merge into it but of greater depth adjacent their middle portion.

1,638,158. ELECTRIC APPARATUS. PETER COOPER HEWITT, Ringwood Manor, N. J.; The Farmers' Loan and Trust Company, executor of said Peter Cooper Hewitt, deceased, assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed July 30, 1920. Serial No. 400,292. 11 Claims. (Cl. 250—27.)



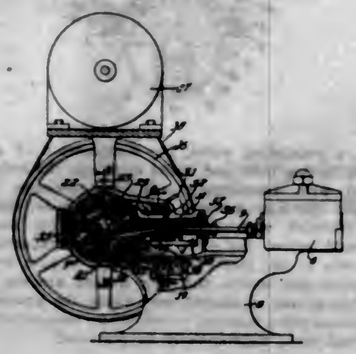
1. An electric device comprising a container, a negative electrode therein, a positive electrode cooperating with said negative, a potential terminal in operative relation to said electrodes, and a fifty megohm resistance connecting the positive terminal to the potential terminal peculiar to said terminals.

1,638,159. DEVICE FOR HOLDING COLLAPSIBLE TUBES. CHARLES HOPEWELL, Ottawa, Ontario, Canada. Filed Mar. 24, 1925. Serial No. 18,033. 7 Claims. (Cl. 221—60.)



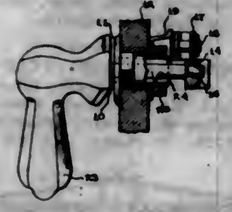
1. In a container or the like for collapsible tubes, a combined cap carrying and clamping member rotatably mounted in the container and operable from without the container.

1,638,160. LUBRICATION MEANS FOR PUMPS AND THE LIKE. OSCAR W. JOHNSON, Rockford, Ill., assignor to Ward-Love Pump Corporation, Rockford, Ill., a Corporation of Illinois. Filed Aug. 9, 1922. Serial No. 580,651. 5 Claims. (Cl. 184—13.)



1. In combination, a crank casing and a horizontal cylinder casing, a cross-head or the like reciprocable in the cylinder, a crank in the crank casing connected to the cross-head, a bearing for the crank, a dividing ledge above and intermediate the cylinder and crank case, an oil passage between said dividing ledge and the cylinder wall, an inclined ledge on one side wall of the crank casing communicating at its upper end with said dividing ledge and inclined downwardly and communicating with the crank bearing, and a projection on the crank having an oil-scoop angular with respect to its plane of rotation for scooping oil from the bottom of the crank casing and throwing it upwardly and laterally against said side wall above the inclined ledge and above said dividing ledge, so that this oil will be collected by said ledges and will gravitate through said passage for lubricating the cylinder and along said inclined ledge for lubricating the crank bearing.

1,638,161. FLUSH-VALVE-OPERATING MEANS. CHARLES J. KIRK, New Castle, Pa. Filed June 12, 1926. Serial No. 115,456. 14 Claims. (Cl. 4—67.)

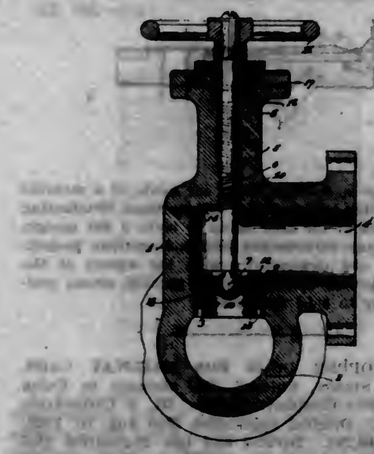


1. Flush valve operating means comprising a pivotally mounted valve lever, and an actuating element operatively connected with the valve lever and mounted for rocking movement in the direction of its length and for turning movement on its own axis.

1,638,162. VALVE. LESTER KIRSCHBRAUN, Chicago, Ill., and ROBERT T. POLLOCK, Boston, Mass., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 1, 1920. Serial No. 421,205. Renewed Mar. 11, 1926. 5 Claims. (Cl. 251—32.)

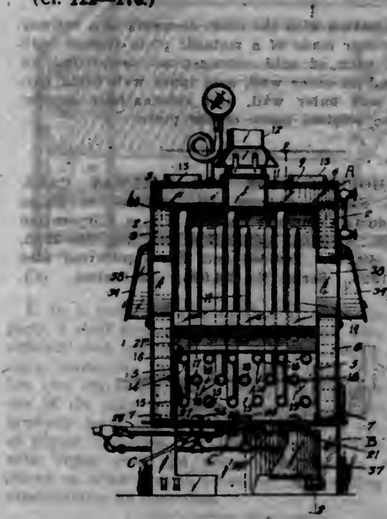
4. In a pressure valve, the combination with a valve chamber, of a valve pivotally mounted upon a valve

stem in said valve chamber, said valve having bifurcated protruding wedge shaped annular ridges on its upper and lower surfaces, upper and lower annular wedge-shaped



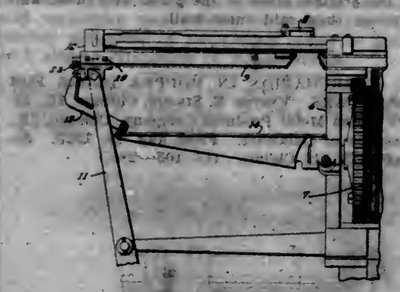
recesses in the valve chamber adapted to receive said ridges, the wall of the lower recess constituting the valve seat, and an annular duct communicating with said lower recess and adapted to flush the valve seat.

1,638,163. BOILER. HARRY G. KRAUS, Orange, N. J. Filed Mar. 5, 1924. Serial No. 696,976. 6 Claims. (Cl. 122—176.)



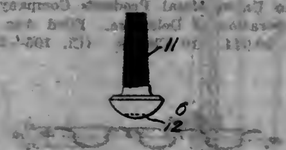
1. A boiler comprising a main casing having spaced outer and inner walls forming a water chamber between them and a water tube chamber within said inner wall open at the lower end, a plurality of spaced and substantially parallel water tubes each having one end communicating with the lower end of said water chamber at one side of said casing and its other end communicating with the upper end of said water chamber at the opposite side of said casing, each of said tubes having the lower portion intermediate its ends extending substantially horizontally across said water tube chamber and the other portion substantially vertically, and heating means at the lower end of said water tube chamber.

1,638,164. CAM-SLIDE ADJUSTMENT FOR KNITTING MACHINES. WILLIAM S. PARKER, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a Corporation of Illinois. Filed Nov. 11, 1922. Serial No. 600,247. 1 Claim. (Cl. 66—64.)



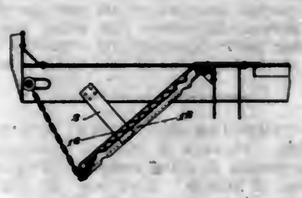
In a flat bed knitting machine, in combination, opposed beds of needles, needle-actuating cams and a reciprocable cam slide for each bed, a common means for reciprocating the cam slides, and an adjustable connector between one of the slides and said means, relatively fixed to the slide as regards longitudinal movement and movable upon and with respect to said means for adjusting said slide relatively to the other slide, a screw connection between said connector and means for making said adjustment, and means for clamping said adjustable slide and connector to said slide-reciprocating means.

1,638,165. RIVET. HENRY V. RAU, Brooklyn, N. Y., assignor to Edward B. Stimpson Company, Brooklyn, N. Y. Filed July 16, 1924. Serial No. 726,256. 3 Claims. (Cl. 85—32.)



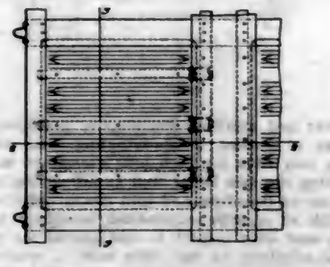
1. A rivet having a bifurcated shank, the prongs of which are of progressively increasing cross-section in the direction away from their ends and separated by a diametrical slot of decreasing width in the direction away from the prong ends, the external surface of said rivet substantially maintaining its original cylindrical shape and the prongs having external surface interruptions.

1,638,166. HOPPER DOOR FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 10, 1925. Serial No. 49,295. 10 Claims. (Cl. 105—280.)



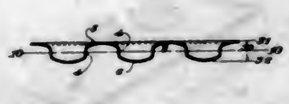
1. A door for a railway car made of a metallic plate formed with corrugations, each of said corrugations comprising an inner wall and an outer wall positioned obliquely to the original plane of the plate, said inner wall being narrower than said outer wall.

1,638,167. CORRUGATION IN HOPPER DOORS FOR RAILROAD CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 13, 1925. Serial No. 50,043. 17 Claims. (Cl. 105—280.)



1. In combination with the other elements of a railway dump car, a door supported by hinges adjacent one side made of a metallic plate formed with integral corrugations having main walls connected by outwardly projecting members comprising portions angularly positioned to each other.

1,638,168. CORRUGATION IN HOPPER DOORS FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 13, 1925. Serial No. 50,044. 10 Claims. (Cl. 105—280.)



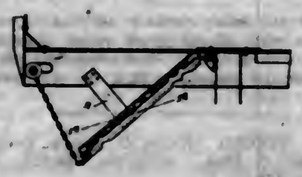
1. In combination with the other elements of a railway dump car, a door supported by hinges adjacent one side made of a metallic plate formed with integral corrugations, main walls and curved arched portions connecting said main walls, the width of each corrugation being greater than the distance between parallel planes drawn through the outermost parts of the corrugated plate.

1,638,169. CORRUGATION IN HOPPER DOORS FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 17, 1925. Serial No. 50,726. 12 Claims. (Cl. 105—280.)



1. A door for a railway dump car made of a metallic plate formed with a plurality of corrugations terminating within the sides of the door so as to leave a flat margin in a single plane surrounding said corrugations projecting upwardly and downwardly with the apexes of the oppositely projecting corrugations in parallel planes positioned obliquely to said flat margin.

1,638,170. HOPPER DOOR FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Aug. 10, 1925, Serial No. 49,295. Divided and this application filed Mar. 8, 1926. Serial No. 93,588. 7 Claims. (Cl. 105—280.)



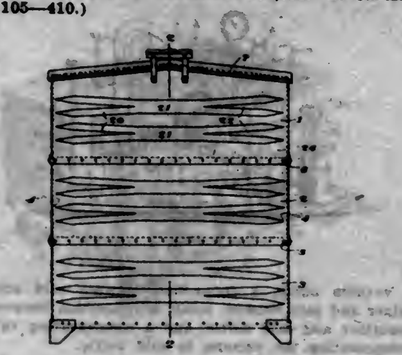
1. In combination with the other elements of a railway dump car; a door made of a metallic plate formed with corrugations, each of said corrugations comprising an inner wall and an outer wall, said inner wall being narrower than said outer wall, and substantially perpendicular to the original plane of the plate.

1,638,171. HOPPER DOOR FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Aug. 10, 1925. Serial No. 49,295. Divided and this application filed Mar. 15, 1926. Serial No. 94,995. 13 Claims. (Cl. 105—280.)



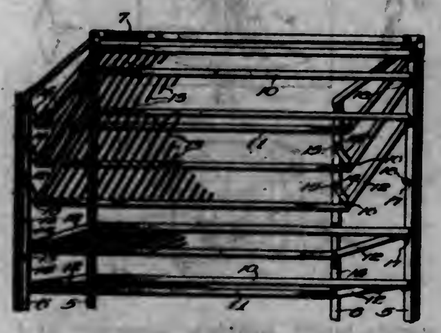
1. In combination with the other elements of a railway dump car; a door made of a metallic plate formed with corrugations, each of said corrugations comprising an inner wall and an outer wall and a connecting portion, said inner wall being narrower than said outer wall, said connecting portion being substantially parallel to the original plane of the plate.

1,638,172. METAL END STRUCTURE FOR RAILWAY CARS. ARTHUR E. SMALL, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Oct. 19, 1922, Serial No. 595,634. Divided and this application filed Jan. 3, 1927. Serial No. 158,595. 26 Claims. (Cl. 105—410.)



1. A metallic wall panel for railway cars having a reinforcement formed therein, comprising a plurality of stiffening ribs which merge into each other to form a relatively wider stiffening rib adjacent the center of said reinforcement, the height of said reinforcement being greatest adjacent its center and almost parallel to the first mentioned ribs.
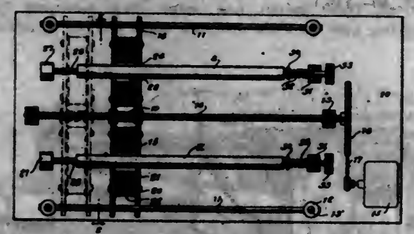
1,638,173. BREAD RACK. JOHN D. SPAULDING and BOHUMIL BOUDA, Clinton, Iowa, assignors to The Collis Company, Clinton, Iowa, a Corporation of Iowa. Filed July 20, 1925. Serial No. 44,661. 4 Claims. (Cl. 211—14.)



1. In a rack, the combination of front and rear supports, a shelf having a rectangular frame with one corner adjacent each support, a pair of links pivotally and swingingly connecting the rear corners of the shelf frame to the two rear supports, a rest projecting inwardly from one of the front supports, a second rest also projecting inwardly from one of the front supports but at a point of higher elevation, the shelf being movable to engage with either rest and means whereby the shelf when placed on either rest is prevented from sliding thereupon, substantially as described.

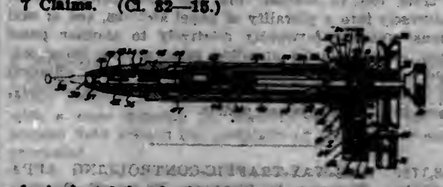
1,638,174. APPARATUS FOR TESTING MAGNETIZABLE OBJECTS. BRADLEY STOUGHTON, Bethlehem, Pa., assignor to Burrows Magnetic Equipment Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Jan. 19, 1924. Serial No. 687,354. 5 Claims. (Cl. 175—183.)

1. In apparatus of the class described, a pair of magnetic testing means connected for comparative testing of a pair of specimens, means for supporting a pair of specimens to be tested, means for producing relative movement of the testing means and specimens, said supporting means being constructed to position an end of



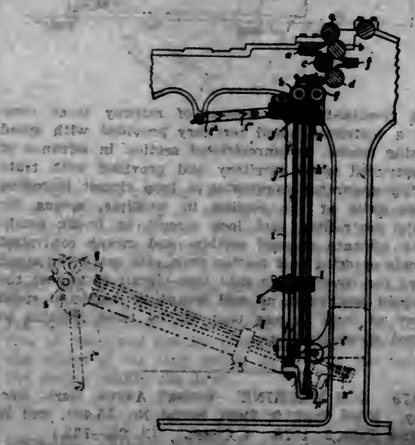
each specimen in a common plane normal to the plane of relative movement of the specimens and testing means, said supporting means being of a character to permit relative movement of the testing means to and beyond such aligned extremities of the specimens.

1,638,175. DENTAL HAND PIECE. GEORGE A. TRAY, Buffalo, N. Y. Filed Feb. 10, 1926. Serial No. 87,305. 7 Claims. (Cl. 32—15.)



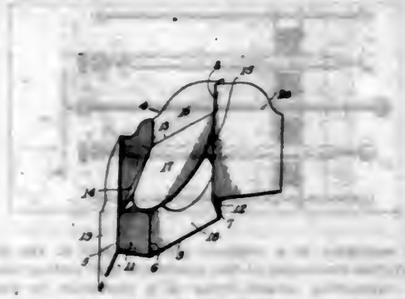
1. A dental hand piece comprising a frame provided with a bearing and a pocket concentric with said bearing, a shaft journaled in said bearing, a tubular sheath surrounding said shaft and having its rear end arranged in said pocket and provided with an annular groove forming a forwardly facing shoulder, and a catch guided on the frame and movable laterally thereon into and out of engagement with said shoulder.

1,638,176. PAPER-FOLDING MACHINE. JOHN H. SHIPLEY, Cleveland, Ohio, assignor to The Cleveland Folding Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 8, 1923. Serial No. 667,204. 2 Claims. (Cl. 270—68.)



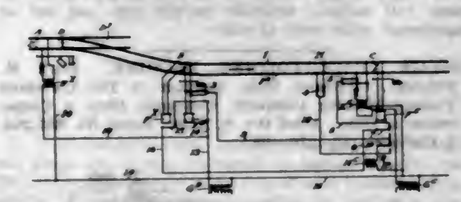
1. The combination with a paper-folding machine, of a transfer appliance having relatively movable members, and resilient means associated with said movable members for normally checking their relative movement, substantially as set forth.

1,638,177. DISPLAY DEVICE. JOSEPH L. VISCOUNT, New York, N. Y., assignor to Snyder & Black, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 27, 1926. Serial No. 151,033. 3 Claims. (Cl. 40—149.)



1. A display device formed from one piece of sheet material comprising five panels articulated on lines extending from top to bottom, the mid-panel being divided transversely into a plurality of panel sections, one of said sections standing forwardly relatively to another panel section, said forwardly standing panel section being connected at its lateral edges to those panels next adjacent said mid-panel by means of sub-panels respectively, formed from said adjacent panels.

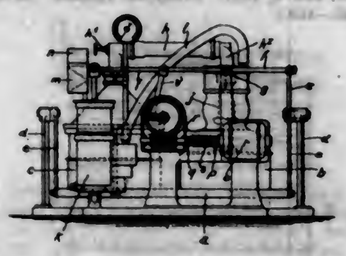
1,638,178. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 4, 1924. Serial No. 747,705. 11 Claims. (Cl. 246—34.)



7. In combination, a stretch of railway track comprising a restricted speed territory provided with speed restricting means, an unrestricted section in advance of said restricted speed territory and provided with train governing apparatus comprising a loop circuit including the two rails of the section in multiple, means for normally controlling said loop circuit by traffic conditions in advance of said section, and means controlled by a train entering said section from said restricted speed territory for conditioning said loop circuit to impose the same speed restriction as said means in restricted speed territory as long as any part of the train remains in restricted speed territory.

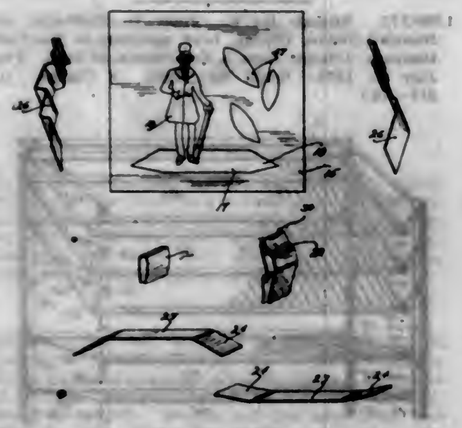
1,638,179. ICE MACHINE. ROBERT ARTUS, Gera, Germany. Filed Sept. 9, 1925, Serial No. 55,401, and in Austria June 2, 1925. 1 Claim. (Cl. 62—153.)

In an ice-machine of the class described comprising a plurality of standards, an oscillating frame suspended between said standards, a motor on said standards having a shaft, a worm, a shaft for said worm, and a spring coupling motor shaft and worm shaft, a worm wheel in mesh with said worm, a crank arm on the shaft for said worm wheel, a rod attached to said crank arm and to the frame for oscillating the same, a water bottle and an acid container removably suspended from said frame,



a vacuum pump, a connection between said acid container and said vacuum pump, a connection between said container and said bottle, and a compensating valve for compensating the vacuum in said bottle.

1,638,180. ASSEMBLY PLATE AND DIE-HOLDING CLAMP. EDWIN G. BATES and RAYMOND C. BATES, Minneapolis, Minn.; said Raymond C. Bates assignor to said Edwin G. Bates, Minneapolis, Minn. Filed Oct. 19, 1925. Serial No. 63,356. 8 Claims. (Cl. 113—99.)

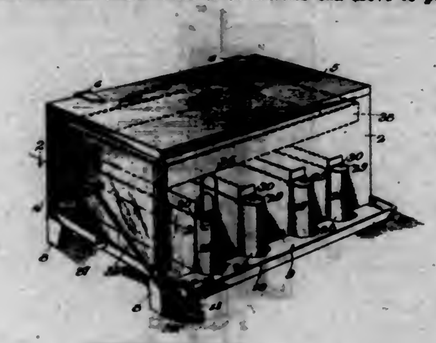


1. The combination with an assembly plate having a multiplicity of vertically and horisontally spaced rows of holes, of a rigid clamping finger having an intermediate longitudinal slot, an adjustable anchoring member extending through said slot and adapted to be secured in any one of said holes, said clamping finger having at one end a supporting foot and at its other end a notched gooseneck for engagement with a piece of work.

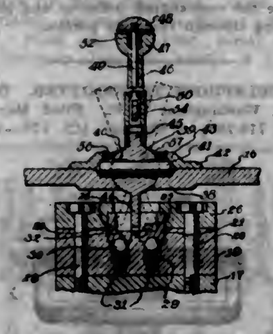
1,638,181. REFRIGERATOR AND DISPENSER. GILBERT C. BELL, Augusta, Ga. Filed May 5, 1925. Serial No. 28,207. 3 Claims. (Cl. 211—8.)

1. A device of the character described comprising a case having a lateral outlet opening, a delivery chamber at the outer end of the outlet opening in open communication with the latter, said delivery chamber extending above the level of the upper end of the outlet opening and said delivery chamber and said case being adapted to hold a liquid refrigerant to a level above that of the

upper end of said outlet opening, a supporting and guiding frame extending within the case from the inner end of the outlet opening, said frame comprising a bottom member and a pair of spaced apart upstanding side members between which a series of articles can move to position to pass one at a time through said outlet opening, said side members being apertured, a drainage shelf at the lower end of said delivery chamber, said drainage shelf having an upstanding marginal flange and a drain opening.



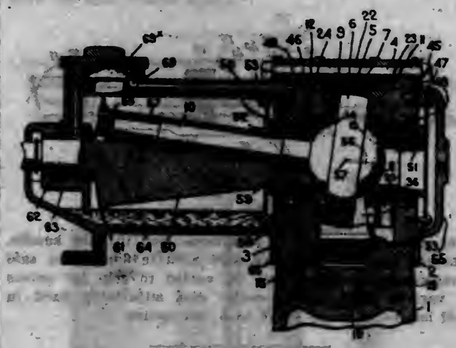
1,638,182. SHIFT LEVER. ADOLPHUS SHADE BUTELL, Durango, Colo. Original application filed Dec. 31, 1925, Serial No. 78,661. Divided and this application filed June 29, 1926. Serial No. 119,404. 3 Claims. (Cl. 74—89.)



1. In transmission mechanism, pivoted elements, a fixed guide block, shifter bars pivotally connected with said elements and movable on said block for swinging said elements, said bars being provided with recesses, a pivoted control lever having an arm, means mounting the lever for universal movement, the lever being adapted to be rocked laterally to engage the arm in the recess of either shifter bar and being movable forwardly or rearwardly for shifting either bar, a pivoted segment extending through the lever for movement laterally therewith, and a spring pressed latch rod carried by the lever to coact with said segment for locking the lever in set position when swung forwardly or rearwardly.

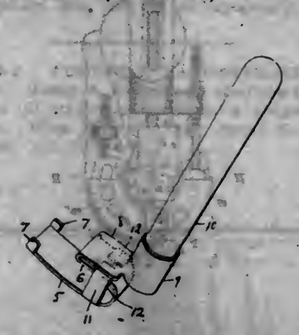
1,638,183. GYRATORY PUMP OR COMPRESSOR. FRANS IVAR L. BYLOMS, South Portland, Me. Filed Oct. 26, 1926. Serial No. 144,227. 19 Claims. (Cl. 230—30.)

1. In a machine of the class described comprising a gyratory impeller disk having a spheroidal periphery, means for actuating the same, a chambered casing having a partition radial to and intersecting said impeller and having a head complementary to one of the faces of said impeller to provide a progressively moving line of contact therewith during the gyratory movement thereof and provided with inlet and outlet ports in close proximity to and upon opposite sides of said partition;



a peripheral annular shell within said casing presenting a spherically concave surface complementary to the spheroidal surface of said impeller and engaging the same with a close running fit, whereby leakage of the compressed fluid around the periphery of the impeller will be prevented.

1,638,184. TRAP-PLACING TOOL. CLAUDE C. CURTIS, Silver Lake, N. Y. Filed Mar. 11, 1927. Serial No. 174,565. 6 Claims. (Cl. 294—19.)

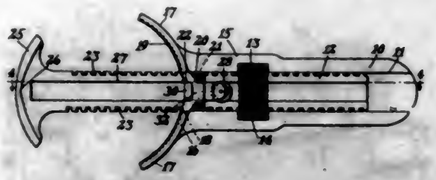


6. In a trap placing tool of the class described formed from a single strip of spring metal, as to form a pair of spaced jaws between which is received the bight portion of a jaw trap spring, the lower jaw being of greater length than the upper jaw, the free end portion of the upper jaw being sent back upon itself and so constructed as to provide a handle receiving socket, and lugs extending upwardly from the side edges of the outer end portion of the lower jaw for engagement with the respective side edges of the trap spring to prevent the turning of the spring within the jaws.

1,638,185. COVER WRENCH AND CAN OPENER. ANDREW CRAIG, Los Angeles, Calif. Filed Dec. 18, 1926. Serial No. 154,609. 3 Claims. (Cl. 7—1.)

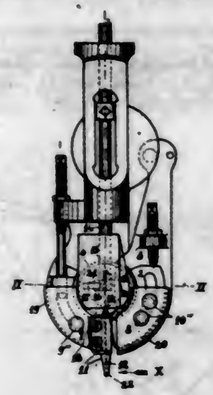
3. A combined can-opener and cover-wrench for use on cans and screw-top preserve jars, comprising a handle with an arcuate flange on one end thereof; a slide-bar

loosely mounted in a longitudinal groove in said handle, said slide-bar having notched edges to engage the threads of a nut; a complementary flange on the free end of said slide-bar, adapted to grip a jar cover cooperatively with the arcuate flange of said handle; a nut, turnable on



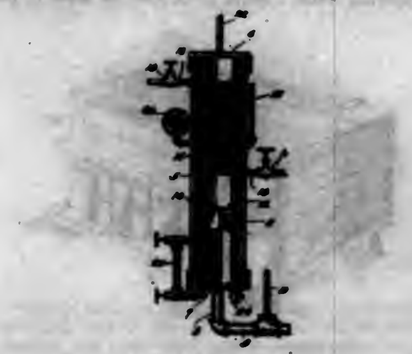
said slide-bar and in a transverse slot in said handle, whereby the space between said arcuate flange and said complementary flange may be varied to grip jar covers of various sizes, and a cutter disk adjustably fixed in said handle so as to serve as a can-opener.

1,638,186. MACHINE FOR THE MANUFACTURE OF FOOTWEAR. GUSTAVE DE VOOGHT, Herenthals, Belgium. Filed Mar. 6, 1925, Serial No. 13,562, and in Belgium Aug. 22, 1924. 1 Claim. (Cl. 1—22.)



In a machine of the type set forth for securing the soles of footwear to wooden Louis XV heels, the combination with a stationary and a movable knife for cutting conical tacks out of a steel band, a tack-cutting lever for operating the said movable knife, and a vertical reciprocatory plunger traversing diametrically the front face of a circular portion of said lever and fitted at its lower end with a driver, of a collar for fixing said driver to said plunger, having a threaded boss with set screw extending laterally of the plunger with their common axis in a plane parallel to the front face of the aforesaid lever, said tack cutting lever having a recessed portion to receive said boss and set-screw formed in the front face of the circular portion adjacent the stationary knife, cover-plates for the stationary and movable knives secured in position by means of bolts with countersunk heads flush with said coverplates, a protector-plate for the driver and the lower end of the plunger, fixed to the front face of the circular portion of the aforesaid lever, and a stationary nose for the driver-pin having its lower end bevelled upwardly from the front towards the rear, substantially as described.

1,638,187. AIR HEATER. JAMES R. DICKENS, ERNEST O. HARRIS, and THOMAS A. WARNER, Thomasville, N. C. Filed Jan. 22, 1926. Serial No. 82,157. 1 Claim. (Cl. 257—229.)



In a device of the character described, an elongated body portion, a feed pipe extending into the lower end of the body portion and having openings formed adjacent to the discharge end thereof, a cap fitted over the discharge end of the pipe and having its lower edge terminating in spaced relation with the openings, a cone-shaped deflector positioned over the cap, a plate contacting with the cone-shaped deflector, means for securing the cap, cone-shaped deflector and plate together, said cone-shaped deflector and plate having their edges spaced from the inner surface of the elongated body portion to permit air to pass upwardly through the body portion, and a heating coil positioned within the elongated body portion above the cone-shaped deflector and plate to heat the air passing through the body portion.

1,638,188. TELEPHONE TRANSMITTER. HENRY H. C. DUNWOODY, Washington, D. C. Filed May 29, 1924. Serial No. 716,766. 3 Claims. (Cl. 179—131.)

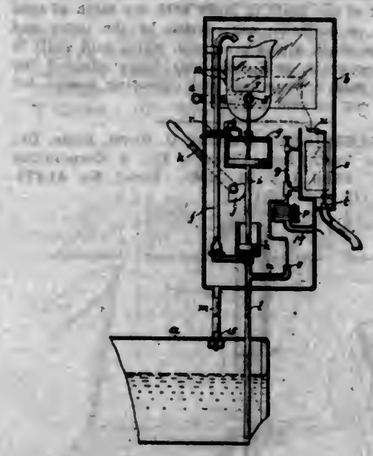


1. A telephone transmitter comprising in combination a pair of electrically conductive plates, means for conveying speech vibrations directly against one of said plates, a microphonic contact member, an insulating plate positioned between said conductive plates and apertured to provide a guide for said microphonic contact member within the apertured portion of said insulating plate and between said electrically conductive plates.

1,638,189. LIQUID-VENDING DEVICE. FRANCIS I. DU PONT, Wilmington, Del., assignor to Delaware Chemical Engineering Company, Wilmington, Del., a Corporation of Delaware. Filed Aug. 5, 1922. Serial No. 579,792. 9 Claims. (Cl. 221—98.)

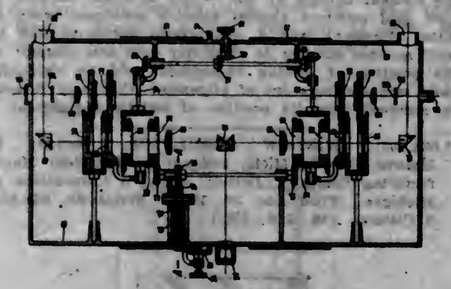
1. A fluid vending machine having means for elevating fluid from a supply reservoir to a measuring device,

means controlled by the elevating device for preventing discharge from the measuring device when the elevating device is delivering, means for discharging the fluid from



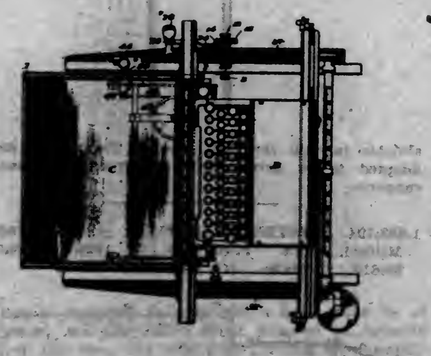
the measuring device, a locking device for the discharging mechanism, and coin-controlled means for the locking device.

1,638,190. DEVICE FOR THE MECHANICAL MULTIPLICATION OF TWO FACTORS. OTTO EPPENSTEIN, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Aug. 14, 1926, Serial No. 129,259, and in Germany June 12, 1925. 3 Claims. (Cl. 88—2.7.)



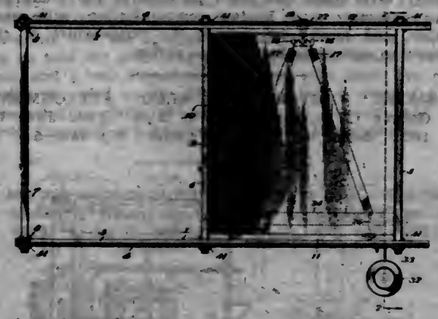
1. Telemeter comprising a casing, means for supporting the said casing and admitting of rotating the casing about a horizontal axis, in the casing being disposed two entrance prisms, two objectives located behind the entrance prisms and adapted to receive the rays having passed through the entrance prisms, an ocular, a prism system disposed between the objectives and the ocular and adapted to transmit to the ocular the rays having passed through the objectives, optical means interposed within the path of rays and adapted to displace relatively to each other the two images produced by the two objectives, two differential gears, each of which contains two members displaceably supported, and a third member displaceably supported, the third member coacting with the first and the second member and undergoing by these two members a displacement proportional to the algebraic sum of the displacements of these two members, two actuating devices, means for coupling the one actuating device to the first two members of the two differential gears so as to impart to these members like displacements in the same direction, means for coupling the other actuating device to the second two members of the two differential gears so as to impart to these members like displacements in the opposite direction, and means for coupling the one of the said actuating devices with the said optical means.

1,638,191. LINE-SPACING MECHANISM. HARRY A. FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed May 8, 1924. Serial No. 710,806. 14 Claims. (Cl. 197—124.)



1. The combination with a power returned platen having a line spacing rack of a shaft having a pinion thereon to drive the rack, means for driving the shaft to positively feed the platen and means for tilting the shaft to move the pinion into and out of engagement with the rack.

1,638,192. PORTABLE HAND-OPERATED FLAT PLATEN. HARRY A. FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed May 8, 1924. Serial No. 710,808. 14 Claims. (Cl. 197—148.)



1. The combination with a frame and movable platen, of three depressible platen supporting devices located in triangular arrangement, and operating springs each common to a plurality of said platen supporting devices to elevate the platen.

1,638,193. GRAVE MARKER. DAVID F. FOSWOOD, Taylor, Tex. Filed July 21, 1926. Serial No. 124,054. 1 Claim. (Cl. 40—125.)

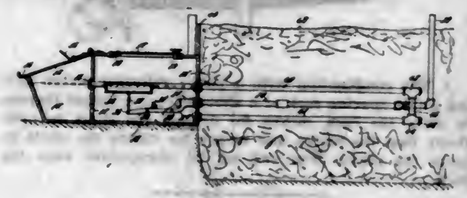
A grave marker, consisting of a tubular member having a longitudinal slot extending through its length, said

tube bent into substantially a U-shape, with its slot on the inner side of the legs and intermediate part, a plate



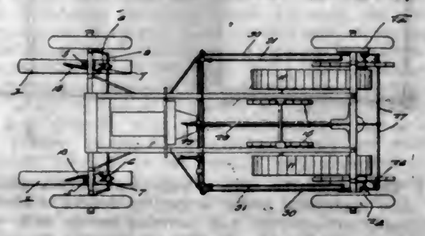
slidable in said slot, the legs of the tubular member adapted to be driven into the ground to constitute supports.

1,638,194. **WATERING DEVICE.** GEORGE FROENDT, Milford, Iowa. Filed Apr. 3, 1926. Serial No. 99,618. 1 Claim. (Cl. 119—73.)



In a device of the class described, a float chamber, a drinking fount in communication therewith, a water-inlet pipe extending into the float chamber, a valve casing connected with the end of the pipe, a valve movable angularly and outwardly beyond the end of the casing to permit the discharge of water from said pipe, a float controlling the valve, circulation pipes connected respectively with upper and lower portions of the fount and float chamber and having communication with each other, and means for raising the temperature of the water in said pipes by chemical action.

1,638,195. **AUTOMOBILE SLED ATTACHMENT.** GEORGE C. GRAVES, Rockford, Mich. Filed June 11, 1925. Serial No. 36,473. 1 Claim. (Cl. 180—5.)



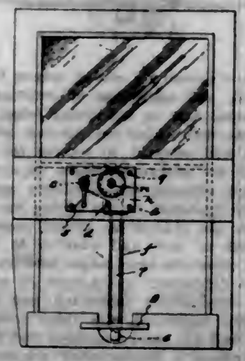
An auxiliary and booster drive means for use in connection with an ordinary drive wheel of an automobile, said means comprising an attachment adapted to propel a sled attachment and including a pair of spaced parallel arms provided at their rear ends with clamps adapted to be mounted upon the rear wheel axle housing, front and rear sprockets mounted for rotation between said arms, said rear sprockets being hollow and open at its outer end and provided at said outer end with an internal gear, an endless traction belt trained over said sprockets, a bearing adapted to be supported on said rear axle housing adjacent said internal gear, a shaft journaled for rotation in the bearing, a pinion on the inner end of the shaft in mesh with the teeth of said internal gear, a shiftable cog carried by the outer end portion of this shaft, a ring gear with which said shaft is adapted to cooperate, said ring gear being adapted for mounting on said drive wheel and operating means for shifting said cog on said shaft.

1,638,196. **EXERCISER.** HERBERT Q. GUTH, Elgin, Ill., assignor to Postl, Inc., Chicago, Ill., a Corporation of Illinois. Filed July 20, 1925. Serial No. 44,779. 5 Claims. (Cl. 272—68.)



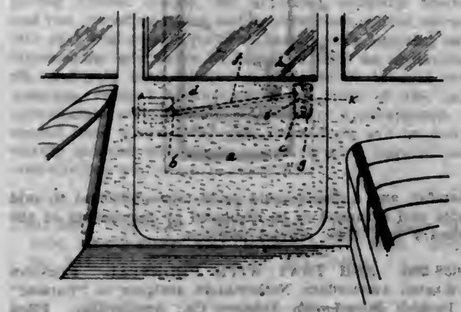
1. A device of the class described comprising a pair of pivotally connected normally aligned handle members, an element carried by one of the members adapted to lock said members against relative movement when in axial alignment, and a compression spring carried by said member adapted to yieldingly hold said element in its position of locking engagement and to yieldingly hold said members out of alignment when said element is removed from its position of locking engagement.

1,638,197. **WINDOW REGULATOR.** ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 27, 1923. Serial No. 659,449. 8 Claims. (Cl. 268—128.)



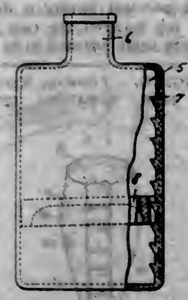
1. In a window regulator, the combination of a frame, three rotatable members supported on the frame, a cable running over the three rotatable members positively anchored to two of the same, a window lifting connection carried by the cable and arranged to run part way over one of the rotatable members, and means by which the other rotatable member may be turned to drive the parts.

1,638,198. **REMOTE CONTROL LATCH.** ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 10, 1925. Serial No. 22,016. 8 Claims. (Cl. 292—138.)



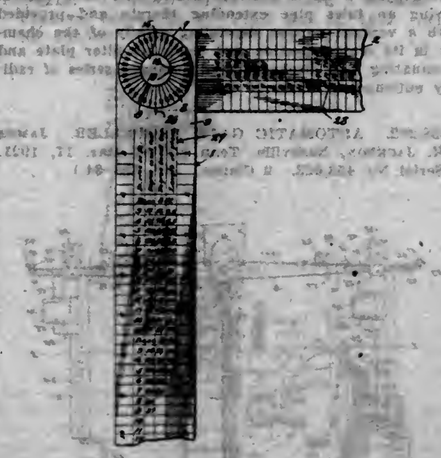
1. In a remote control latch for automobile bodies, the combination of a latching unit on the inside of the door and provided with a bolt retractable upon closing the door, and an actuator unit positioned on the inside of the door, remote from said latching unit, and provided with a vertical rotary spindle and connections between said two units including motion translating and reversing units.

1,638,199. **NONREFILLABLE BOTTLE.** MARYANNE HERMES, Fairmont, N. Dak. Filed Nov. 12, 1926. Serial No. 148,010. 2 Claims. (Cl. 215—8.)



1. In combination with a bottle, a plate-like member arranged horizontally within the bottle and being of a shape similar to the cross sectional shape of the bottle, said plate adapted for slidable and slightly tiltable movement, the plate being adapted to move toward the neck of the bottle when the contents thereof is being emptied, and cooperating means between the plate and the inner wall of the bottle to prevent the movement of the plate in a reverse direction.

1,638,200. **ADJUSTABLE FRAMING, DRAFTING, AND BEVEL SQUARE.** STEPHEN J. HASTIE, Raymond, Miss., assignor of one-half to James L. Carter, Mayfield, Ky. Filed Mar. 1, 1926. Serial No. 91,577. 1 Claim. (Cl. 33—117.)



A square including an arm, and a body made up of side plates, the side plates being disposed on opposite sides of the arm, one side plate having an inwardly tapered opening, a protractor disk tapered to fit in the opening, the arm and the protractor disk having registered tapered apertures, the other side plate and the arm being provided upon their inner contacting surfaces with positively interengaging socket and projection elements by which the body and the arm may be held at adjusted angles to each other when the arm is clamped between the side plates, a securing element connecting the arm with the protractor disk, whereby the tapered protractor disk will hold the first-specified side plate and the arm together, the securing element being extended laterally into the aperture in the protractor disk, a pivot and clamping member having a tapered head received in the aforesaid registering tapered openings and extended through the said other side plate, the periphery of the tapered head being provided with a notch receiving the part of the securing element that projects laterally into the aperture of the protractor disk, thereby to hold the pivot and clamping member against turning, and a nut engaging said other side plate, the nut being threaded on the pivot and clamping member and operating to clamp the side plates on the arm, and to hold the said interengaging elements interengaged.

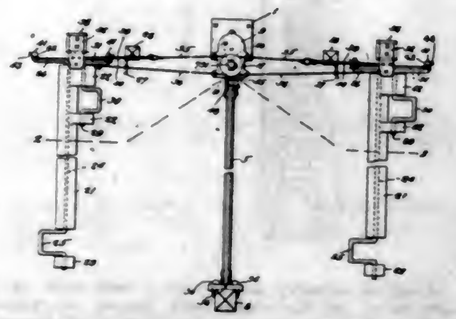
1,638,201. **CONTINUOUS BATTERY OIL FILTER.** HENRY A. HILLS, Grand Rapids, Mich. Filed Apr. 26, 1922. Serial No. 556,581. 1 Claim. (Cl. 210—125.)



A continuous oil filter, comprising a receiver for dirty oil, a plurality of filtering chambers connected to said receiver in series and having therein filtering means coo-

sisting of filter plates only for the purposes of catching heavy particles of dirt, and a battery of filtering chambers connected in parallel to the last of said first-mentioned chambers and having therein filter plates and filtering material above the plates, each of said chambers having a lower conical portion and each thereof having an inlet pipe extending therein and provided with a vertical portion depending axially of the chamber in its conical portion and below its filter plate and terminating in a discharge head having a series of radially outstanding discharge arms.

1,638,202. AUTOMATIC GATE PROPELLER. JAMES R. JACKSON, Nashville, Tenn. Filed Mar. 17, 1921. Serial No. 453,023. 2 Claims. (Cl. 39—34.)



1. In an apparatus of the class described, a rotatably mounted shaft, a gate; means for connecting the gate with the shaft, another shaft supported for rocking movement and having a vehicle engaging crank and an arm, a spool adjustably journaled on said arm and a flexible element connected operatively with the shaft and wound about the spool and secured thereto.

1,638,203. LAUNDRY-BAG HOLDER. OTTO JETKL, Chicago, Ill. Filed Mar. 24, 1926. Serial No. 97,029. 3 Claims. (Cl. 83—26.)



1. A bag holder comprising a skeleton framework in two parts, a hinge connecting one side, a latch on the other side, a clamping member adapted to be forced down over the top of said framework when closed, a cover for the top of said framework and a hinge attached to said framework and common to both said clamping member and said cover.

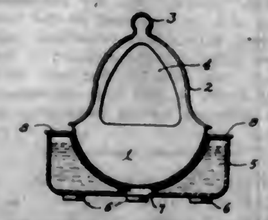
1,638,204. AUTOMATIC EMERGENCY LOCK FOR SAFES. EARLE M. JONES, Minneapolis, Minn., assignor to O. B. McClintock Company, Minneapolis, Minn., a Corporation of Minnesota. Filed July 17, 1922. Serial No. 575,493. 4 Claims. (Cl. 109—3.)

1. A safe having a door, a door-locking bolt and a primary lock mechanism, a secondary bolt lock, releasable means normally holding said secondary lock inoperative, means for causing said secondary lock when released to lock said bolt in a door-locking position, means operative from the exterior of the safe for manipulating said secondary lock to release said bolt, said releasable means including an anchored cable and guides



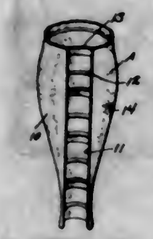
therefor, and a displaceable guide trip additional to said cable and arranged to be displaced by movements of the primary lock from normal position.

1,638,205. ASH TRAY WITH PEDESTAL. FERNAND KABUS, Amsterdam, Netherlands, assignor to "Turmac" Turkish Macedonian Tobacco Co., Amsterdam. Filed Apr. 23, 1925, Serial No. 25,419, and in the Netherlands May 7, 1924. 2 Claims. (Cl. 131—51.)



1. The combination of an ash bowl and pedestal, in which the ash bowl has a semispherical shape, and the pedestal has a similar shaped cavity in which the ash bowl fits, and an opening in said cavity extending through the bottom, said pedestal having a double jacket with arcuate slots on top between the two jackets, the space between the jackets being adapted to be filled with water.

1,638,206. LEGGING. THOMAS KELLY, Butte, Mont. Filed Aug. 4, 1926. Serial No. 127,127. 3 Claims. (Cl. 2—267.)



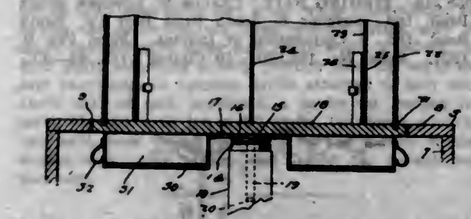
1. A legging form adapted to be worn under a stocking and comprising a shell shaped to conform to a full formed leg, the shell being slit longitudinally and adapted to engage the leg adjacent to the ankle, a plurality of resilient split rings secured to the inner face of the shell, and a plurality of split annular pads of sponge rubber secured to the inner face of the shell and of greater cross sectional dimension than the resilient rings.

1,638,207. BOTTLE STOPPER. VITALIS M. KLOSS, Minneapolis, Minn., assignor of one-half to Edward W. Tersh, Minneapolis, Minn. Filed Nov. 30, 1925. Serial No. 72,190. 1 Claim. (Cl. 215—51.)



A milk bottle stopper formed from a single piece of stiff material and comprising two semi-circular portions and an intermediate rib-forming portion, said portion having folding creases, one extending centrally thereof and two extending where said intermediate portion merges into said semicircular portions, said creases adapting said intermediate portion to be folded to form an upstanding rib, and said semi-circular portions to be brought into complete circular arrangement, the ends of the said intermediate portion being on reentrant approximately V shaped lines whereby the ends of said rib will be downwardly inclined and joined to the terminal lines of said semi-circular portions.

1,638,208. DISPLAY CONTAINER. RALPH EARL MYRICK, Montgomery, Ala. Filed Oct. 28, 1926. Serial No. 144,795. 2 Claims. (Cl. 221—145.)



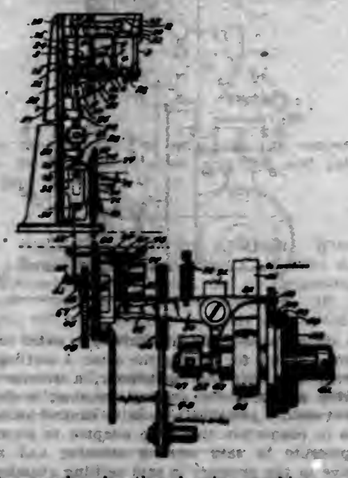
1. A device of the class described including a box-like stand having its rear open and its top provided with a circular opening, a standard rising in the box-like stand, a disk in the opening, a bearing between the disk and the top of the standard for rotatably mounting the disk and a transparent cylinder rising from the disk.

1,638,209. SEPARABLE RING. WILLIAM CHARLES NIEBUHR, St. James, Minn. Filed Oct. 1, 1925. Serial No. 59,852. 4 Claims. (Cl. 85—51.)



1. A ring comprising two separable members having spliced end portions in the peripheries of which are notch-like seats with reversely beveled sides, and block-like keys mounted in said seats by radial movement and having in their radial edges V-shaped grooves into which the reversely beveled sides of said seats extend.

1,638,210. THREAD-USING MACHINE. CHARLES M. PERKINS, Cohoes, N. Y. Filed May 22, 1922. Serial No. 562,799. 21 Claims. (Cl. 112—219.)



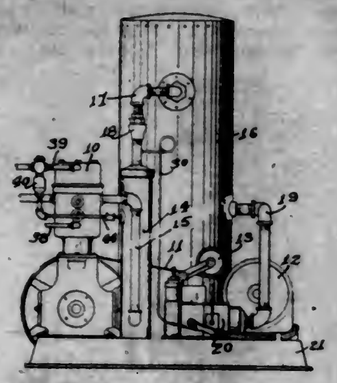
1. A stop member for thread using machines, a separate continuously operated power element, manually operable starting means, a connector between said starting means and stop element to actuate the stop element to release position in the movement of the starting means, a lever for operating the connector, and means carried by said lever and actuated by a defect in the thread of the machine to cause said lever to be operated by the separate continuously operated power element to move the connector to release the stop means.

1,638,211. TRANSMISSION OR BRAKE BAND. WILLIAM F. POLSON, Buffalo, N. Y. Filed Mar. 11, 1925. Serial No. 14,631. 2 Claims. (Cl. 188—249.)



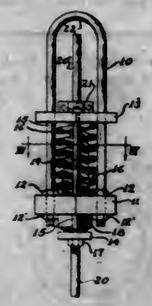
2. A transmission or brake band, comprising an open ring band having a lining riveted thereto, and a connector, said band having a transverse external bead and an opening through said bead, said connector having a longitudinal depression extending inwardly from its outer end to provide clearance space for one of the rivets of said lining and a pair of grooves arranged transversely, one at each side of said longitudinal depression, the under side of said ears serving as part of the walls of said grooves, and co-acting means on said band and connector spaced from the outer ends thereof for connecting said connector to said band and preventing movement away from said band, the outer end portion of said band serving as a spring and being flexed during the action of attaching the connector to said band to cause said transverse bead to enter said grooves, said bead and groove serving to prevent movement lengthwise relatively of said connector and band.

1,638,212. AUTOMATIC AIR-COMPRESSOR UNIT. FRED J. RAYFIELD, Chicago, Ill., assignor to Champion Pneumatic Machinery Co., a Corporation of Illinois. Filed Apr. 30, 1925. Serial No. 26,856. 1 Claim. (Cl. 230—24.)



An air compressor unit comprising a water cooled compressor, a motor for driving the same, a settling chamber receiving air from the compressor, a storage reservoir receiving air from the settling chamber, a check valve therebetween, a pressure responsive control for said motor, means in connection therewith adapted to slowly release the pressure in said settling chamber and means responsive to the pressure in said settling chamber adapted to shut off the cooling water circulation for said compressor after the release of the pressure in said settling chamber.

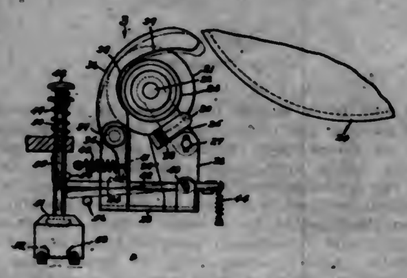
1,638,213. SHOCK ABSORBER FOR OIL-WELL PUMP RODS. WILLIAM F. RASCHKE, Wichita, Kans. Filed June 15, 1925. Serial No. 37,193. 4 Claims. (Cl. 267—70.)



1. In an oil well pump shock absorber, a block and U-shaped member adapted to be connected to a walking beam, a plate connected to a pump rod, springs between said plate and block, said pump rod slidably engaging through a centrally positioned aperture in said block and being carried by said plate, a bar connected to said pump rod, rods connecting said bar to said plate, a spring engaging between said bar and said block functioning as a rebound cushion.

1,638,214. ENGINE-STARTING APPARATUS. WALTER W. RINGER, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 24, 1925. Serial No. 71,242. 8 Claims. (Cl. 74—7.)

1. A starting device for an internal-combustion engine including a flywheel comprising, in combination, a pivotally-mounted motor having a power-transmitting member; a track adapted to engage with the said member, but normally locked out of engagement therewith; and a manually-operable means for unlocking the track so as



to permit it to engage the power-transmitting member and for causing the motor to rotate, whereby the motor will be moved radially about its pivot toward the engine, causing the power-transmitting member to engage the flywheel for cranking purposes.

1,638,215. FISHING BAIT. CLAUDE M. RODGERS, South Bend, Ind., assignor to South Bend Bait Co., South Bend, Ind., a Corporation of Indiana. Filed Feb. 9, 1927. Serial No. 166,969. 10 Claims. (Cl. 43—42.)



1. The combination with a bait body, a weight carried by said body, a hook receiving loop, of a single securing means for said loop and weight to the body, said weight forming a closure for the hook receiving loop.

1,638,216. MEANS FOR SECURING CASES TO CARRYING BOARDS. DAVID B. ROSS and KEELING G. PULLIAM, Jr., Los Angeles, and HARRY E. HOSSFELD, Lynwood, Calif., assignors to D. E. Rose Trunk Co. Inc., Los Angeles, Calif., a Corporation of California. Filed Jan. 4, 1927. Serial No. 158,988. 11 Claims. (Cl. 224—29.)



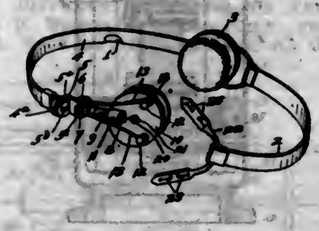
1. In combination with a case, a securing device mounted within the case to fold up therein when not in use and to unfold from the case and including means for engaging a carrying board when unfolded for securing the case on the carrying board.

1,638,217. RETORT FOR TREATING OIL SHALE. EDWARD B. ROTH, St. Louis, Mo. Filed Dec. 19, 1924. Serial No. 756,892. 5 Claims. (Cl. 202—14.)



1. A device of the character described comprising an outer casing wall, an inner casing wall within and spaced from the outer wall and having openings to the space between said walls, a number of horizontal partitions within said inner wall provided with openings therethrough respectively and forming compartments each communicating through said first named openings with the space between said walls, a pair of spaced top walls connected with said outer and inner walls respectively, and having the space between them communicating with the space between said outer and inner walls, a rotary vertical shaft extending axially through said top walls and said partitions, an agitator device attached to said shaft above each of said partitions, a device for feeding material through said top walls above the upper partition into said inner casing wall, and heating means enclosed within said inner casing wall below the lowest compartment.

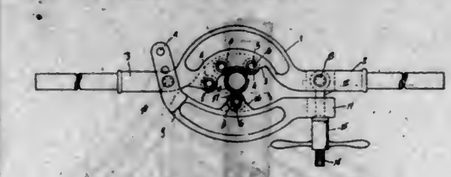
1,638,218. TRUSS. RUDOLPH SCHMIDT, Rosedale, Kans. Filed Mar. 15, 1926. Serial No. 94,769. 2 Claims. (Cl. 128—111.)



1. In a truss, a pad and a disk having a ball and socket relation, the disk at its outer or opposite side from the pad having a radially disposed lug and a pair of pins, the latter at opposite sides of and equal distances from the radial plane of the lug and at the opposite side from the lug of a plane intersecting the first-named plane at the axial center of the disk, a suitably-supported plate, a bolt carried thereby and extending through the said lug and forming a journal therefor, and a spring secured to the said plate and having diverging arms respectively attached at their free ends to said pins.

1,638,219. COUPLING LOOSENER. FLOYD L. SCOTT, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed May 25, 1922. Serial No. 563,471. 5 Claims. (Cl. 29—88.2.)

1. In a device of the character described, a segmental yoke having operating handles extending laterally therefrom, a curved jaw pivoted at one of its ends to one end of said yoke, the opposite end of said jaw being adjustably

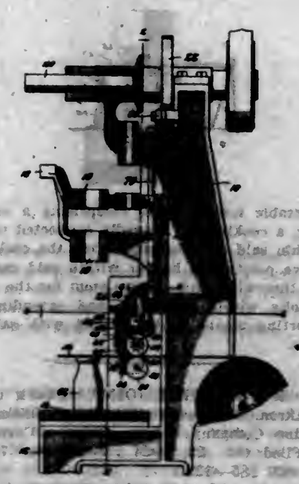


secured to the other end of said yoke and cooperating rollers on the concave faces of said jaw and yoke to engage a pipe coupling.

1,638,220. VULCANIZATION OF RUBBER. WINFIELD SCOTT, Akron, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Original application filed Dec. 19, 1922, Serial No. 607,883. Divided and this application filed Apr. 28, 1924. Serial No. 708,336. 11 Claims. (Cl. 18—53.)

19. The process of producing vulcanized rubber, which comprises heating a mixture of rubber, sulfur, with the polyaldehyde derivative of an aldehyde amine reaction product.

1,638,221. SHEET FEEDING AND CUTTING MECHANISM. RUSSELL J. SMITH, Menasha, Wis. Original application filed Apr. 15, 1925, Serial No. 23,227. Divided and this application filed Dec. 19, 1925. Serial No. 76,419. 4 Claims. (Cl. 164—49.)



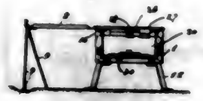
4. In a feeding and cutting mechanism, a shear member, a hammer normally spaced from and adapted to be moved into striking engagement with said shear member to operate it, a continuously rotatable drive shaft, and a geared connection including a ratchet mechanism between said drive shaft and said hammer effective to cause intermittent movement of said hammer with respect to said shaft during continuous rotation of said shaft.

1,638,222. MATCH RECEPTACLE. MARCUS T. SPRING, Pepperell, Mass. Filed Sept. 24, 1925. Serial No. 58,240. 9 Claims. (Cl. 206—21.)



1. In combination a tubular container for holding a plurality of matches end to end in a row, and a clutch adapted to be manipulated to grip and remove the match at one end of said container and to serve as a holder for said match while it is being used.

1,638,223. PORTABLE STOVE. THEODORE A. TAYLOR and ANTON J. YEAGER, Wisconsin Rapids, Wis., assignors to Prentiss-Wabers Stove Company, Wisconsin Rapids, Wis., a Corporation of Wisconsin. Filed Dec. 27, 1921. Serial No. 525,072. 6 Claims. (Cl. 126—38.)



1. A portable folding stove comprising a case having an opening, a cooking top hingedly connected to the case, means within said case for supporting the cooking top in an operative position, a burner within said case, a valve associated therewith, and a valve stem for the valve positioned wholly within said case and extending through said supporting means to be aligned with said opening in the case.

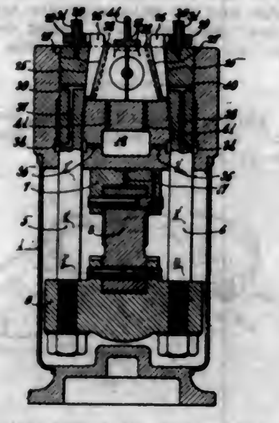
1,638,224. ROTARY PIPE JOINT. FRANK C. VANDERGRIFT, Akron, Ohio, assignor to The Williams Foundry & Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 23, 1924. Serial No. 745,314. 1 Claim. (Cl. 285—122.)

A rotary pipe joint comprising a receiving member which terminates at its receiving end in radially spaced apart and concentrically related cylindrical outer and inner imperforate flanges the former being externally threaded, an entering member having a cylindrical end fitting between the inner and outer flanges of the receiving member and being reduced in diameter outwardly of said cylindrical end thereby to provide an external annular abutment portion facing the same direction as the end of the receiving member, a clamping nut surrounding the interengaging ends of said members, the nut being internally threaded at one end for cooperation with the aforesaid threads of the receiving member and being reduced at the other end for cooperation with the shoulder of the entering member and serving as the sole means of securing said members together, the nut having a shoulder opposed to the end of the outer flange of the receiving member, and packing washers, one occupying



the channel between the inner and outer flanges of the receiving member and adapted to be compressed between the bottom wall thereof and the end of the entering member, and the other surrounding the entering member and adapted to be compressed between the end of the outer flange of the receiving member and the aforesaid shoulder of the nut.

1,638,225. FORGING MACHINE. WADE H. WINEMAN, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Jan. 15, 1921, Serial No. 437,544. Renewed Feb. 20, 1924. 35 Claims. (Cl. 76—8.)



15. The combination with a clamping member and a wedge for operating said member and a reciprocatory operating device for said wedge, of means whereby the reciprocatory device by its initial movement will move said wedge to operate said clamping member to yieldingly engage an object and by a subsequent movement will move said wedge to operate said member to unyieldingly engage said object.

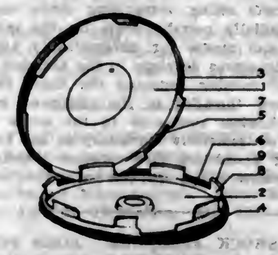
1,638,226. TAPE REEL. EUGENE J. WITCHGER, Saginaw, Mich., assignor to Lufkin Rule Co., Saginaw, Mich., a Corporation of Michigan. Filed Mar. 18, 1925. Serial No. 16,817. 4 Claims. (Cl. 242—84.8.)

4. In a double-bearing tape measure including a bottom wall and a drum provided with a top flange and a drum post having a flange thereon engaging an outer face of said bottom wall, a spring drum-frictioning member operatively interposed between the bottom wall and the drum and adapted to urge the drum away from the



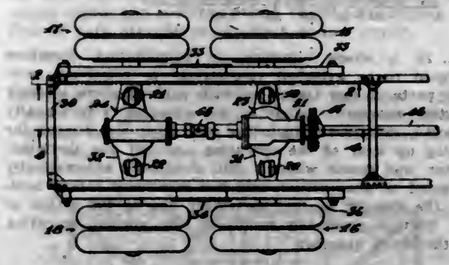
bottom wall and to yieldingly hold said drum post flange in contact with the outer face of said bottom wall, whereby to prevent wear of the top flange of the drum.

1,638,227. CASE FOR TAPE MEASURES. EUGENE J. WITCHGER, Saginaw, Mich., assignor to Lufkin Rule Co., Saginaw, Mich., a Corporation of Michigan. Filed Nov. 8, 1926. Serial No. 147,034. 2 Claims. (Cl. 220—1.)



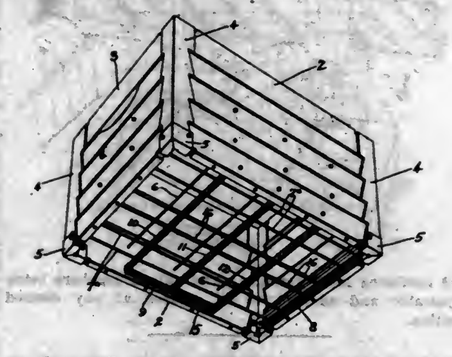
2. A case for tape measures comprising flanged top and bottom members, fabric covers for said members, said flanges formed with tongues spaced apart and in alternate interlocking relation, said tongues formed with peripheral grooves, the edges of said tongues flanged outwardly, and a clamping band received in said groove and engaging the meeting edges of said fabric cover, to lock said top and bottom members together.

1,638,228. DIFFERENTIAL DRIVE FOR VEHICLES. MAHLON H. WOLFF, Los Angeles, Calif. Filed Nov. 23, 1925. Serial No. 70,915. 2 Claims. (Cl. 180—22.)



1. In a vehicle drive, at least two pairs of driving wheels, a differential gear for each pair of said wheels, axles carrying said wheels connected to said differential gears, housings for said gears and axles, substantially aligned shafts, gears connecting each of said shafts to said differential gears, a universal joint connecting said shafts intermediate said differential gears, sleeves fixed on said housing encompassing said shafts terminating at the opposite sides of the universal joint, a hanger fixed on one of said sleeves, a hanger turnable on the other of said sleeves, said hangers having overlapping extensions projecting to one side of the universal joint, and a pivot pin connecting said extensions.

1,638,229. CRATE. CHARLES A. WOOLSEY, Minneapolis, Minn., assignor to Northwestern Collapsible Carrier Co., St. Paul, Minn., a Corporation of Minnesota. Filed Dec. 7, 1923, Serial No. 679,122. Renewed June 15, 1925. 10 Claims. (Cl. 217—19.)



6. A container comprising side and end walls, members extending horizontally between opposite lower walls of said container, and an intermediate reinforcing frame comprising a strap member secured to the inner faces of said walls and extending back and forth between them and reinforcing said members against vertical pressure.

1,638,230. CLAMPING MEANS. ALFRED ALSAKER, Chicago, Ill., assignor to The Delta-Star Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 28, 1925. Serial No. 77,965. 20 Claims. (Cl. 85—1.)

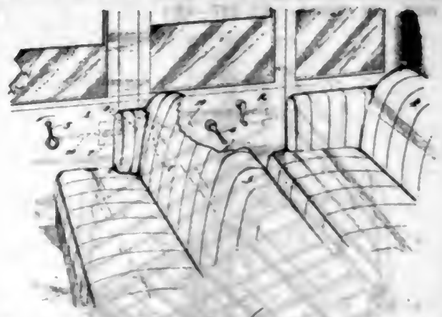


1. A set screw for forcing its way through the wall of a pipe comprising a head, a threaded shank, and a working face, said working face having discontinuous circumferentially extending cutting edges at the junction of the lateral surface and the end surface.

1,638,231. COMBINATION REMOTE CONTROL AND PULL-TO HANDLE ASSEMBLY. THOMAS P. ARCHER and FRANK M. EDGAR, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 11, 1926. Serial No. 87,571. 7 Claims. (Cl. 296—44.)

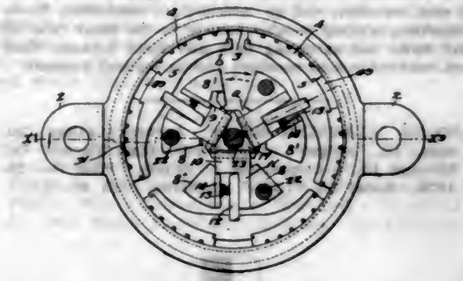
5. In combination with an automobile body construction of the closed type having front and rear doors each hinged to a post and closing by a latch against another post, and seats positioned adjacent to said door or doors, a control fixture secured to the inside of each respective door at a point remote from the latch fixture, means for operatively connecting said fixtures and latch units, combined latch actuating and pull-to levers secured to such control fixtures, one of said levers being normally positioned to be readily accessible as a latch operating and

pull-to handle to the occupant of one seat and another being secured to its control fixture in a position to permit easy accessibility to the occupant of the adjacent seat,



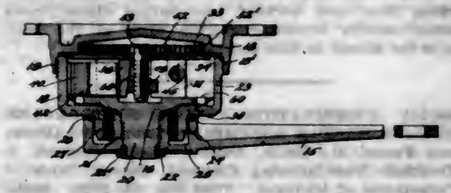
said combined latch actuating and pull-to members being adjustable and adapted to be secured at any desired position.

1,638,232. SHOCK ABSORBER. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed Dec. 27, 1921. Serial No. 525,082. 26 Claims. (Cl. 188—130.)



1. In a shock absorber having adjustable friction producing mechanism; a screw adapted and arranged to adjust such mechanism to produce a predetermined friction; and resilient means for automatically turning said screw to maintain such adjustment.

1,638,233. SHOCK ABSORBER. JAMES PIERCE BALDWIN and RICHARD A. KEESE, Los Angeles, Calif.; said Keese assignor to said Baldwin. Filed Mar. 24, 1925. Serial No. 18,043. 23 Claims. (Cl. 188—130.)



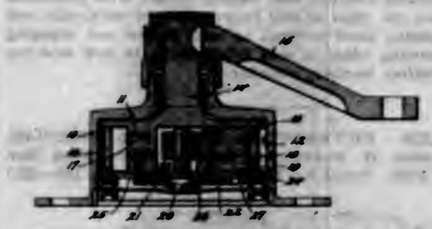
1. A device for adjusting the strut seats of a shock absorber of the moving strut friction shoe type and having relatively movable base and frame members, including in combination, a rotatable threaded member having an inner end rotatably engaging and supported by the frame, and an outer end by which it may be rotated, and a nut on said member engaging the strut seats, rotation of the threaded member in one direction resulting in adjustment of the strut seats to compensate for wear of the mechanism and said seats being rigidly held in such adjusted position by said member and nut.

1,638,234. SHOCK ABSORBER. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed July 28, 1925. Serial No. 46,669. 17 Claims. (Cl. 188—130.)



1. A shock absorber of the kind described comprising, in combination, a cylindrical casing and a core rotatable therein, brake shoes in the casing engaging the cylindrical walls thereof, means mounted on the core for causing frictional engagement of the shoes with the casing in one swing of the core and for relieving such engagement in the opposite swing, comprising struts engaging the shoes and radially movable seats for the inner ends of the struts, and means for automatically adjusting the seats when looseness develope in the absorber comprising an abutment member engaging the inner faces of the seats, a screw threaded in the abutment member and friction mechanism connected to the screw tending to hold the screw relatively stationary in one swing of the absorber but permitting free rotation thereof with the abutment member in the opposite swing.

1,638,235. SHOCK ABSORBER. JAMES PIERCE BALDWIN, Los Angeles, Calif. Original application filed Dec. 27, 1921, Serial No. 525,082. Divided and this application filed May 6, 1926. Serial No. 107,253. 6 Claims. (Cl. 188—130.)

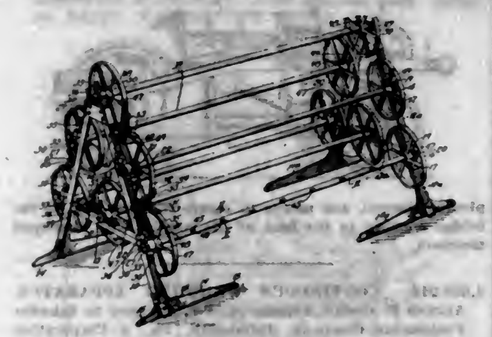


1. In a shock absorber, in combination, members adapted to be attached respectively to relatively movable parts, means associated with said members whereby relative movement thereof in one direction is frictionally opposed, said means including an adjustable element for taking up wear of the operating parts of the shock absorber, and means whereby said element is automatically adjusted as wear occurs, said last mentioned means holding the element against movement due to the action of the friction producing means in the normal operation of the shock absorber.

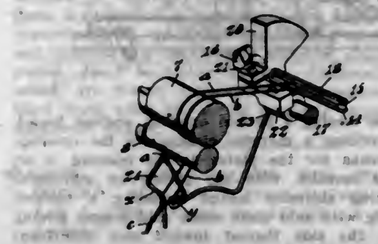
1,638,236. DISPLAY RACK. HARRY SUMNER BEST, Galva, Ill., assignor to Charlotte S. Best, Galva, Ill., executrix of the estate of John H. Best, deceased; said Charlotte S. Best assignor to John H. Best & Sons, a Firm composed of Charlotte S. Best, Don J. Best, Leon H. Best, and Harry S. Best, Galva, Ill. Filed Apr. 20, 1923. Serial No. 633,465. 6 Claims. (Cl. 211—18.)

1. In a device for displaying carpets and goods of a like character comprising a frame, a revoluble member thereon and upon which the goods may be wound, a ratchet associated with said member, the combination with such ratchet member, of selective means comprising

a single shouldered pawl with tapered end and a co-operating member with rectangular aperture, shoulder and slot for locking the revoluble member against rotation in one direction only, the opposite direction only or in both directions, and means formed independent of said member for clamping one end of the goods to such member.

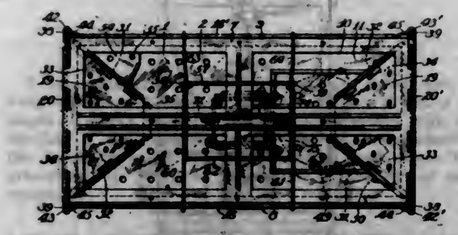


1,638,237. TRAP MOTION FOR TEXTILE MACHINES. SAMUEL BONOVOY and WINTHROP L. PERRY, Lowell, Mass., assignors to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1925. Serial No. 13,102. 13 Claims. (Cl. 117—33.)



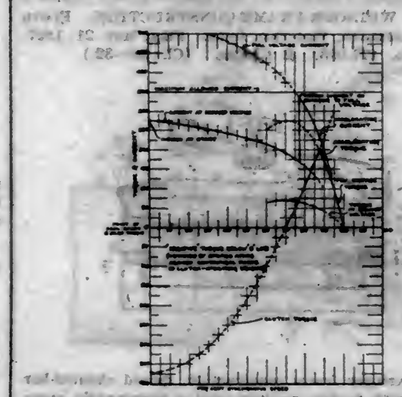
1. In a machine for twisting together two strands of thread, the combination of a feeler for engaging the separate strands and holding them spaced apart, and means under the control of said feeler for stopping the feed of both strands when either strand breaks.

1,638,238. SECTIONAL FOLDING MINNOW TRAP. JOHN M. BEAUTIGAM and MARTIN C. BRIGHT, Indianapolis, Ind. Filed July 24, 1925. Serial No. 45,832. 11 Claims. (Cl. 43—105.)



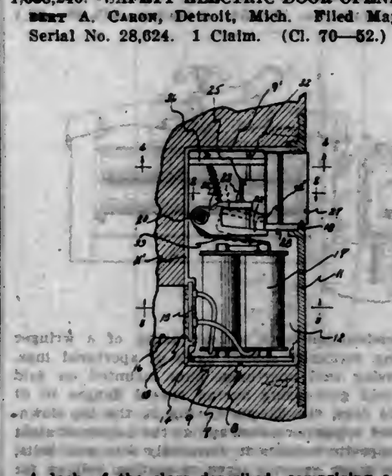
2. A sectional folding minnow trap including a bottom, a top having a clasp member centrally on the inner side thereof, two sectional folding sides and also sectional folding ends hingedly connected to the bottom and the top, and a folding bait holder removably connected with the top and the clasp member.

1,638,239. DRIVING MECHANISM AND METHOD. TANDY A. BERSON, Troy, N. Y., assignor to Tolhurst Machine Works, a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,444. 10 Claims. (Cl. 172—274.)



1. The combination of an induction motor, an alternating current supply of constant frequency arranged to supply the motor at various voltages, and a speed responsive clutch for connecting the motor to its load, the torque transmitting power of the clutch being less than the torque producing power of the motor until the motor has at least attained a speed corresponding to its maximum torque for a given voltage.

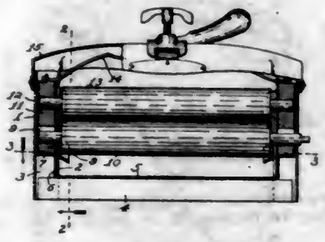
1,638,240. SAFETY ELECTRIC DOOR OPENER. PHILBERT A. CARON, Detroit, Mich. Filed May 7, 1925. Serial No. 28,624. 1 Claim. (Cl. 70—52.)



A lock of the class described, comprising a swingably mounted latch member; a heel projecting from the rearward portion substantially centrally thereof; resilient means for normally retaining said latch forming member in operative position; a swingably mounted abutment member adapted to swing in a plane parallel to the axis of said latch member, having a pair of spaced legs projecting therefrom, one leg being shorter than the other, the shorter of said legs being provided with a cut-away portion adapted to engage the heel of the latch member, to prevent said latch member from moving into inoperative position; means engageable by the longer of said legs to limit the movement of the abutment member in moving from inoperative to operative position; resilient means for normally retaining said abutment mem-

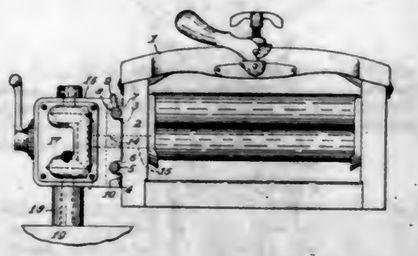
ber in operative engagement with said latch member and means electrically operated, for moving the abutment member to inoperative position, in order to release said latch member.

1,638,241. WRINGER-FRAME CONSTRUCTION. FLOYD L. CHAMBERLAIN, Waterloo, Iowa. Filed Mar. 21, 1927. Serial No. 177,053. 2 Claims. (Cl. 68—32.)



1. In a wringer frame construction, spaced channel-bar standards with facing openings, and a downwardly opening channel-bar base connection therefor and rigidly connected thereto having its ends split longitudinally to provide web parts bent upwardly then outwardly terminally, said web parts and the separated portions of the flanges of the base connection being inserted into the openings of said standards, the horizontal terminations of the base connection serving as supports for bearings positioned within the hollows of the standards.

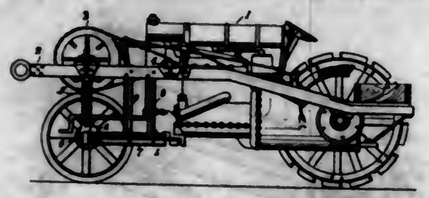
1,638,242. SUPPORTING DEVICE FOR WRINGERS. FLOYD L. CHAMBERLAIN, Waterloo, Iowa. Filed Mar. 21, 1927. Serial No. 177,054. 2 Claims. (Cl. 68—32.)



1. The combination with a gear-casing, of a wringer frame having vertically spaced pairs of apertured lugs, bolts traversing said apertures, nuts mounted on said bolts, and said gear-casing having spaced flanges to fit between said lugs, the flanges having at the top downwardly curved opposite recesses and at the bottom straight horizontal opposite recesses to removably seat said bolts, whereby the upper recesses serve as seating hollows for the upper bolt as a pintle, and the lower bolt is retained in the lower recesses by the weight of the overhanging wringer.

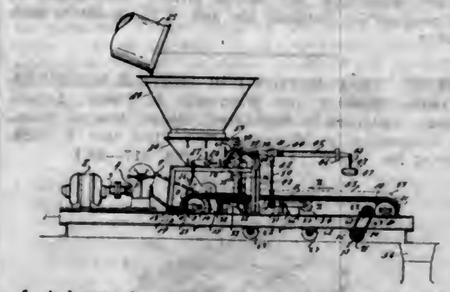
1,638,243. FRAME CONSTRUCTION FOR TRACTOR-DRIVEN WINCHES. HARRY A. CLARK, Wichita Falls, Tex. Filed July 6, 1925. Serial No. 41,583. 1 Claim. (Cl. 180—1.)

In a tractor, a frame having a pair of winch supporting side beams, a pair of spaced U-shaped members having their upper ends secured to the side beams, means to pivotally connect the front one of said members to the front axle of the tractor, the rear of said members embracing the tractor radiator so as to support same, a rearwardly projecting tongue on the base of said front member, a horizontal bridge member having a front part which engages on opposite sides of the tongue and is



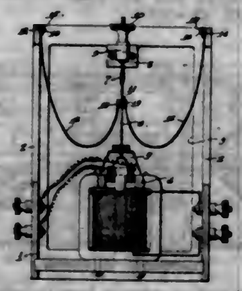
pivoted thereto, and means to secure the rear end of the bridge member to the base of the rear of said U-shaped members.

1,638,244. CONTINUOUS WEIGHING APPARATUS. ALFRED F. COOKE, Pittsburgh, Pa., assignor to Schaffer Poidometer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 5, 1926. Serial No. 92,410. 3 Claims. (Cl. 83—44.)



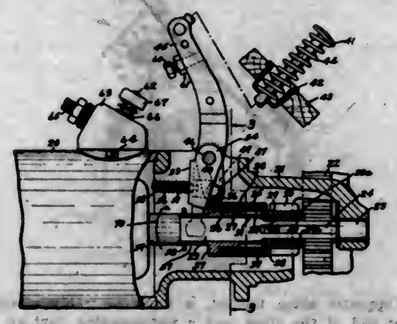
1. A hopper having a bottom opening, endless traveling plate providing a movable closure for the opening, sustaining means for the plates at the opening, a series of seats movable with the plates, an additional plate sustaining shiftable means including a toothed wheel coacting with said plate seats, said hopper having clearance on the side thereof toward said additional sustaining means, a gate for varying said clearance and connected to said additional sustaining means to be adjusted thereby, and a toothed wheel drive positively interlocked with the plate seats for driving the series of plates from the hopper toward said additional sustaining means.

1,638,245. LOUD SPEAKER. CHARLES CRAWFORD DAVIS, Fenton, Mich. Filed July 17, 1925. Serial No. 44,207. 1 Claim. (Cl. 181—31.)



In a sound reproducing device, a diaphragm support, a vibratory member, means resiliently supporting said vibratory member, means for effecting the vibration of said member, and a diaphragm suspended from opposite ends from said support and said vibratory rod.

1,638,246. ENGINE-STARTING APPARATUS. LEWIS H. DAVIS, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 12, 1926. Serial No. 80,757. 4 Claims. (Cl. 74—7.)



1. Engine starting apparatus comprising, in combination, a motor; a pinion driven by the motor and movable into mesh with a gear of the engine to be started; and a one-way clutch for connecting the pinion and motor and comprising aligned clutch drums connected respectively with the motor and pinion, a helical coil spring normally in light frictional engagement with said drums and adapted to drivingly connect the drums when either drum is rotated in a certain direction, and a third drum connected with the motor and located concentrically to and substantially coextensive with the pinion drum, the pinion drum including radially displacable segments which are forced into driving engagement with the third drum when the spring drivingly connects the first mentioned drums.

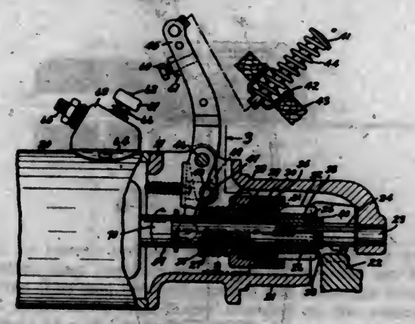
1,638,247. PAPER HOLDER FOR TOILET-SEAT COVERS. ELIZABETH J. DOUGLAS, Crete, Nebr. Filed Aug. 5, 1926. Serial No. 127,325. 4 Claims. (Cl. 4—246)



1. In combination, a cover hinged to a toilet seat, a receptacle in said cover for the storage of a plurality of sheets of paper, said receptacle being provided with an opening at the hinged extremity of said cover whereby the sheets of paper may be withdrawn, and means for preventing the sheets of paper from falling out of said receptacle.

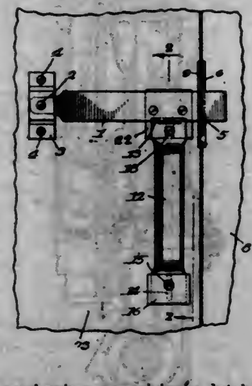
1,638,248. ENGINE-STARTING APPARATUS. GEORGE W. ELSEY, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 12, 1926. Serial No. 80,761. 6 Claims. (Cl. 74—7.)

1. Engine starting apparatus comprising, in combination, a motor; a pinion movable endwise into mesh with a gear of an engine to be started; a clutch for automatically connecting the motor with the pinion when the motor is the driving member and including aligned clutch drums connected respectively with the motor and pinion, a helical spring having its convolutions normally out of



power transmitting engagement with the drums, and means responsive to the operation of the motor for causing the spring to be stressed axially so that its convolutions will engage the clutch drums; and means for moving the pinion endwise.

1,638,249. DOOR LATCH. WILLIAM D. FERRIS, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a Corporation of Illinois. Filed Mar. 26, 1926. Serial No. 97,570. 5 Claims. (Cl. 292—237.)

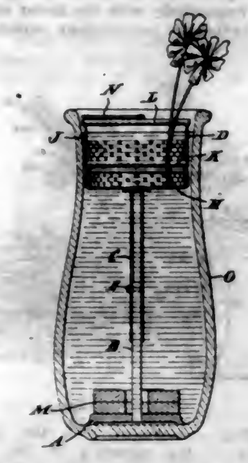


1. A latch mechanism comprising a latch bar, a strike piece for engaging said latch bar, to hold a swinging door in closed position, a handle movably mounted on the door, the handle being supported by means permitting up and down sliding movement of the handle relative to the door, said handle adapted for use in opening and closing the door, and means operated by said upward movement of the handle to automatically lift the latch when the door is opened, said bar being freely movable up and down independently of said handle, when the bar engages said strike piece.

1,638,250. FLOWER RECEPTACLE. MIMA K. FINLAYSON, Los Angeles, Calif. Filed Oct. 6, 1925. Serial No. 60,753. 1 Claim. (Cl. 47—41.)

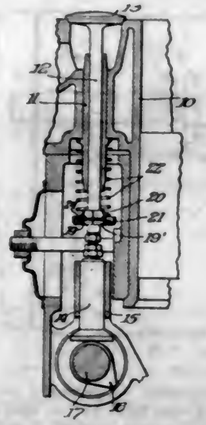
The combination with a receptacle of a shell adapted to be disposed in said receptacle, means for supporting said shell in spaced relation to the bottom of said

receptacle adapted to be adjusted to vary the spacing of said shell in relation to the bottom of the receptacle,



means carried by said shell for engaging and supporting the stems of flowers, and a variable weight stabilizing means for the supporting means for the shell.

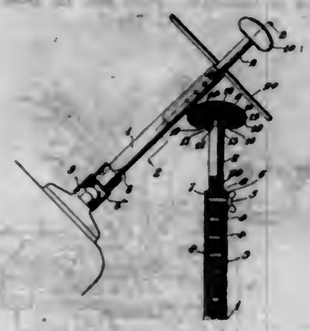
1,638,251. WASHER. James B. Fisher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1925. Serial No. 19,306. 2 Claims. (Cl. 251—144.)



2. In combination, a valve stem having a peripheral groove, a washer structure composed of two halves for engaging in said groove, said halves having registering peripheral grooves, and a split hoop engaging in said grooves, said hoop being of readily flexible but inelastic metal to be readily positioned to hold said halves together in said stem groove or to permit separation of said halves and removal thereof from the stem.

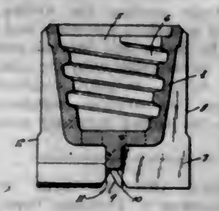
1,638,252. SOCKET WRENCH. Joseph N. Fitzgerald, Jr., Ridley Park, Pa. Filed Aug. 14, 1924. Serial No. 731,936. 5 Claims. (Cl. 81—177.)

1. A wrench including a stem comprising sections telescoping with one another, means for holding the stem sections in adjusted longitudinal positions relatively to one another, a hand-bar fixed to the stem and extending



from opposite sides thereof, a knob rotatably mounted on one end of the stem, and a nut-engaging part on the other end.

1,638,253. SOFT-FORMATION WELL DRILL. Harold W. Fletcher, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a Corporation of Texas. Filed Apr. 10, 1924. Serial No. 705,482. 1 Claim. (Cl. 255—61.)



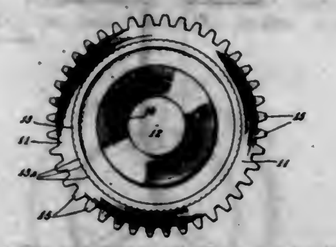
A cutter head for well drills comprising a comparatively thin shell of steel shaped like an inverted frustum of a cone, a coarsely threaded socket in said head, and radial scraping blades projecting in advance of said head, said head having openings in the flattened lower end thereof to direct the flushing fluid downwardly against the bottom of the hole.

1,638,254. BINDING STRIP. Aaron Freydberg and Jacob Marcus, New York, N. Y. Filed Jan. 15, 1926. Serial No. 81,409. 4 Claims. (Cl. 91—68.)



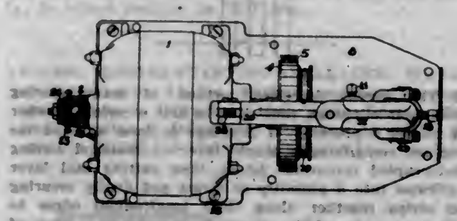
1. A bias cut binding strip having the fibers at the edges thereof cemented together, by a substance having incorporated therein an alimentary poison for moths and moth larvæ, and including a pigment to distinctively color the cemented edges.

1,638,255. SILENT GEAR AND METHOD OF MAKING THE SAME. John R. Gammeter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,577. 3 Claims. (Cl. 74—28.)



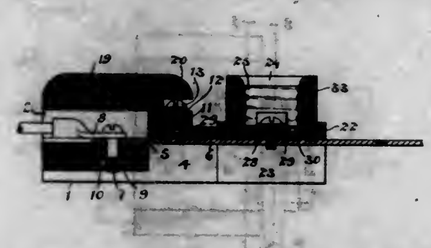
1. The method of making a gear which comprises weaving in helical form a unitary strip of thread-comprising sheet material with the strip radially disposed in the helix, forming an annulus of the strip by securing successive turns thereof together with a bonding material, and forming gear teeth on the annulus.

1,638,256. MOTOR ATTACHMENT FOR SEWING MACHINES. Barnet Grossbard, San Francisco, Calif. Filed Mar. 15, 1926. Serial No. 94,903. 6 Claims. (Cl. 192—17.)



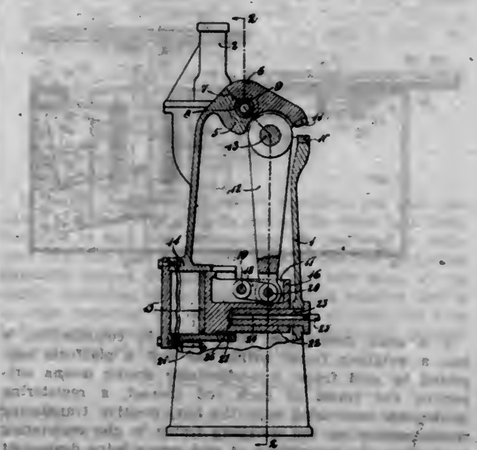
6. A motor attachment of the class described comprising, in combination with a motor having a driving shaft, a base, a wheel secured to the driving shaft having means thereon for adjustably securing it to the base, a fly wheel revolvably mounted on the support and rotatable therewith, a support located adjacent the first mentioned wheel, a shaft integrally secured to the fly wheel and revolvably mounted on a base, a disc having friction pads on its sides located between the first mentioned wheel and the fly wheel and attached on the fly wheel, a thrust bearing located at the end of the driving shaft of the motor, means for adjustably positioning the lever either closer to or farther from the base, a ball secured on the end of the fly wheel shaft, a lever mounted on the base and adapted to be operated against the ball on the fly wheel shaft, whereby the fly wheel shaft, the fly wheel and the disc may be moved inwardly to cause the friction pads of the disc to contact with the first mentioned wheel and the fly wheel, and a member secured to the lever for withdrawing the fly wheel and the disc, whereby the friction pads are released from contact with the first mentioned wheel, and means secured to the lever for preventing the fly wheel from revolving.

1,638,257. ELECTRIC TERMINAL FUSE BLOCK. John McClary Gunn, London, Ontario, Canada, assignor to The McClary Manufacturing Co., London, Canada. Filed July 14, 1925, Serial No. 43,652, and in Canada June 5, 1925. 4 Claims. (Cl. 175—371.)



1. An electric terminal fuse block, comprising a main terminal block having covered terminal recesses, bus bars leading from said terminal recesses and extending beyond said main block, fuse blocks mounted on the extended portions of said bus bars, and branch wire terminals arranged in said fuse blocks.

1,638,258. FORGING MACHINE. Frank A. Halleck, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 2, 1919. Serial No. 294,269. 43 Claims. (Cl. 76—5.)

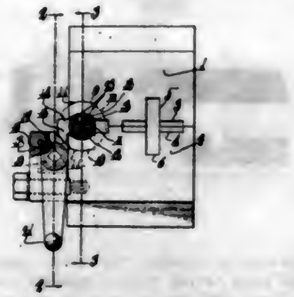


1. A drill sharpener comprising clamping means including an inclined stationary jaw and a cooperating pivoted jaw whereby a work piece may be received by lateral movement thereof, and work performing means adapted to perform work on a member held by said clamping means in a direction parallel to the engaging surfaces thereof, said clamping means being adapted to support said member in position independently of any clamping effect.

1,638,259. FORGING MECHANISM. Frank A. Halleck, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Apr. 5, 1922. Serial No. 549,897. 19 Claims. (Cl. 76—5.)

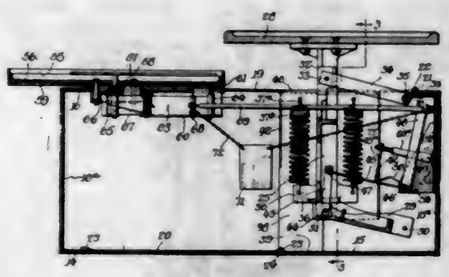
1. Gaging mechanism comprising cooperating oppositely disposed dies each having a gaging groove therein of curved section and of flatter transverse curvature at one end than at the other, stationary supporting means for

one of said dies, means for reciprocating the other of said dies, a stop member movable between said dies, and a



support for said stop member including a block secured thereto and a guide for said block secured to the side of one of said dies.

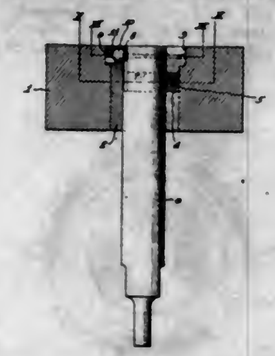
1,638,260. PLATFORM SCALE. MARIUS H. HANSEN, Chicago, Ill. Filed July 14, 1924. Serial No. 725,791. 15 Claims. (Cl. 265—68.)



1. A scale mechanism comprising, in combination, a box, a weighing frame within the box, a platform supported by said frame non-adjustable spring means supporting the frame at each end thereof, a registering mechanism associated with the box, positive translating means connecting the weighing frame to the registering mechanism, the translation of said means being dependent upon the weight on the platform and the tension of the springs, and means to vary the lever arm of application of the translating means to the registering mechanism.

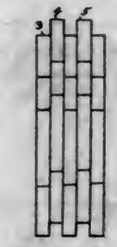
1,638,261. HOLDER FOR PUNCHES OR OTHER TOOLS. EDWIN HENRICSON, Detroit, Mich. Filed Aug. 8, 1925. Serial No. 49,145. 2 Claims. (Cl. 279—76.)

1. A device of the character described, comprising a tool carrying member provided with a bore, a bushing adapted to fit within a bore of said tool carrying member, said bushing being formed with a transverse bore opening at its inner end into the axial bore of the bushing and with an annular peripheral groove, a key carried by the bushing with one side of said key projecting into the axial bore of the bushing, a ball within the transverse bore of the bushing, a spring within the annular groove in the bushing to engage the ball and yieldingly hold the same projected from the end of its bore into the axial bore of the bushing, and a tool having a shank to fit within the axial bore of the bushing and formed with



an annular groove to receive the key and with a flattened side to pass the key in the removal of the shank from the bushing.

1,638,262. METHOD FOR THE RAPID PRODUCTION OF WOODEN PANELS FROM MILL CLIPPINGS AND THE LIKE. JOHN L. HERZOG, Saginaw, Mich. Filed Apr. 18, 1925. Serial No. 24,142. 3 Claims. (Cl. 144—309.)



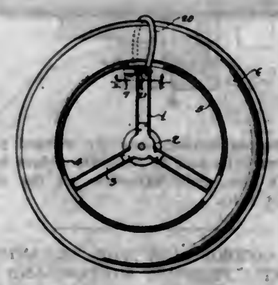
1. The herein described method of manufacturing panels from clippings, consisting in first securing together end to end a plurality of clippings to form a board-like structure comprising a single layer of material having uninterrupted transverse joints, then cutting said layer lengthwise into a plurality of strips and finally securing said strips together along their longitudinal edges to again form a board-like structure comprising a layer of material having interrupted transverse joints.

1,638,263. SHOE-TIP STIFFENER. JACOB F. JONAS, Bellevue, Ky. Filed July 1, 1925. Serial No. 40,889. 2 Claims. (Cl. 36—77.)



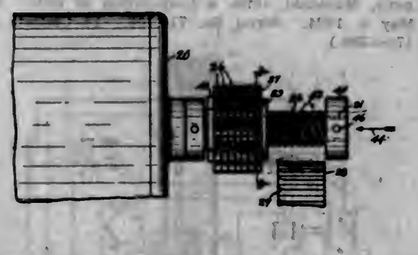
1. In a shoe, a tip stiffener of composite structure adapted to be interposed between the linings of a shoe vamp comprising, a plurality of superposed stiffener layers of flexible sheet material of appropriate tip pattern outline, a first layer thereof having a lateral end of convex outline and a second layer having a corresponding end of concave outline causing the first to over-lap the second, and a fibrous layer interposed between said stiffener layers corresponding in pattern outline to said first stiffener layer.

1,638,264. TIRE LOCK. JOHN JUNKUNC, Chicago, Ill. Filed Oct. 31, 1925. Serial No. 65,903. 2 Claims. (Cl. 70—90.)



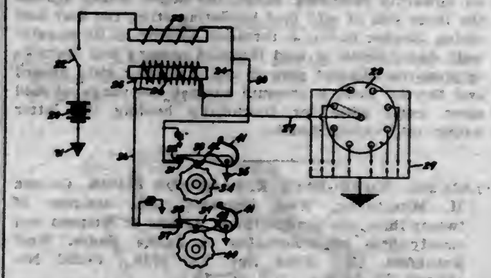
1. A lock for use with a chain for locking spare tires to a tire carrier of the type having a channel frame, comprising an elongated hasp having legs spaced apart by the depth of said channel frame, said legs having successive notches along their inner faces, the ends of said chain being adapted to be secured to one of the legs between the flanges of said channel frame, a member adapted to receive the ends of said legs and to be moved therealong into abutment with said channel frame and a revoluble bolt mounted in said member and adapted to be positively engaged with certain of said notches to hold said member in locked position on said hasp.

1,638,265. ENGINE-STARTING APPARATUS. WILLIAM O. KENNINGTON, London, England, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 14, 1925. Serial No. 69,032. 6 Claims. (Cl. 74—7.)



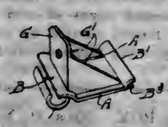
1. Engine starting apparatus comprising in combination, an electric motor, a screw-threaded shaft driven by the motor, a nut movable endwise along the shaft and rotated by the shaft, a motor driven gear comprising a plurality of gear elements of relatively small mass movable into mesh with the gear of an engine to be started, means connecting the gear elements with the nut to cause the gear elements to move endwise by endwise motion of the nut, and means connecting the gear elements with the nut for rotation of the gear elements by rotation of the nut, the last-mentioned connections providing for limited rotation of each gear element with respect to the other.

1,638,266. IGNITION SYSTEM. CARL H. KINDL, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 7, 1925. Serial No. 73,716. 2 Claims. (Cl. 123—148.)



1. An ignition system comprising an ignition coil having a primary and a secondary inductively related, an auxiliary coil non-inductively related to the ignition coil, a source of current, and means for connecting the auxiliary coil only with the current source, then for connecting the auxiliary coil and primary winding of the ignition coil in series with the current source without disconnecting the auxiliary coil, and then for disconnecting both coils from the current source.

1,638,267. STEEL CONVEYER CHAIN AND LINK. GEORGE L. MOREHEAD and FRANK S. O'NEIL, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill., a Corporation of Illinois. Filed May 8, 1925. Serial No. 28,778. 3 Claims. (Cl. 198—189.)



3. A link comprising a pair of relatively flat side bars joined at one end by a pintle and at the other by a hook, the hook of each link surrounding the pintle of an adjacent link, the hook and pintle ends of the link projecting upwardly beyond the plane of the flat side bars, an upwardly extending sheet metal attachment member having an edge engaging the flat face of one of said side bars and welded thereto, and engaging the upwardly projecting hook and pintle ends of the link.

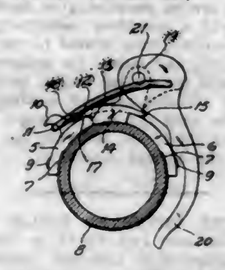
1,638,268. ELECTRICAL HEATING DEVICE FOR SMOOTHING AND DRYING HAIR ON A PERSON'S HEAD. CLIFTON ORICE MORGAN, Youngstown, Ohio. Filed Mar. 15, 1926. Serial No. 94,762. 2 Claims. (Cl. 132—31.)



1. In an electrical heating device for smoothing, drying and pressing hair on a person's head, the combination of a circular hollow casing member including an annular wall and having a plate closing its upper end, a heat insulating plate in said upper end, a heat insulating strip extending around the inner surface of said casing member and against the said heat insulating plate and under the margin of the latter, a second heat insulating plate under and against the first said heat insulating plate and having its periphery against the upper edge of said heat insulating strip, an electrical heating coil provided with

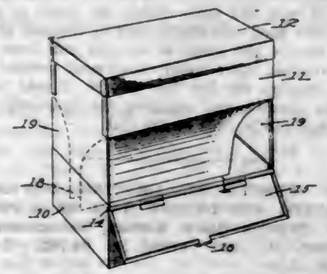
means securing it under the second said heat insulating plate, a heat insulating plate secured on the top of said casing member, a hand receiving loop extending over the last said heat insulating plate, a sheet metal plate provided with a downwardly facing concave surface and with an upwardly extending flange, the latter fitting against the inner side of said heat insulating strip, the first said casing member having a threaded opening in its annular wall, and a screw in said threaded opening and operable to press the adjacent part of said insulating strip inward and thereby exert a pressure against the flange of said sheet metal plate for frictionally holding the latter within said casing member.

1,638,269. EMERGENCY REPAIR FOR PIPES. GEORGE H. MULLINACK, West Frankfort, Ill., assignor of twenty-three one-hundredths to Arthur E. Simpson and twenty-three one-hundredths to James Isaacs, West Frankfort, Ill. Filed Apr. 28, 1926. Serial No. 105,088. 3 Claims. (Cl. 24—19.)



1. A device of the class described comprising a pair of members having recessed edges, a flexible non-elastic strip secured in the recessed edges of said members for uniting the same, and means carried by one member and engaging with the opposing member for drawing said members together.

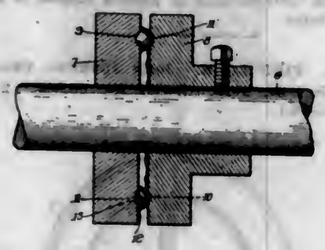
1,638,270. FEED BOX. NILS O. NILSSON, Worcester, Mass. Filed Mar. 16, 1926. Serial No. 95,053. 1 Claim. (Cl. 119—52.)



A feeder of the class described comprising a base, a hopper having a chamber for the grain, a chute having two end walls extending downward and engaging the ends of the base to support the hopper firmly, and a cover for the open top of said chamber, said cover having vertical end and side walls fitting both the bottom and the top of the hopper so as to be capable of being inverted and replacing the base as a support for the hopper for the purpose described.

1,638,271. ANTIFRICTION BEARING. GEORGE W. NORDSTRUM, Chicago, Ill. Filed Jan. 5, 1924. Serial No. 684,469. 1 Claim. (Cl. 308—235.)

In an anti-friction thrust bearing, the combination with a group of balls, of a retaining and spacing ring therefor comprising a flat annulus formed with spaced holes of smaller diameter than said balls and seating the latter, and flanges of flat transverse section continuous at their bases with the outer and inner edges of said annulus and extending inwardly toward each other at acute angles to the plane of said annulus and overhanging said



balls, said flanges having inwardly swaged portions between adjacent balls and at their free edges forming line contacts with the latter extending in the direction of travel of said balls.

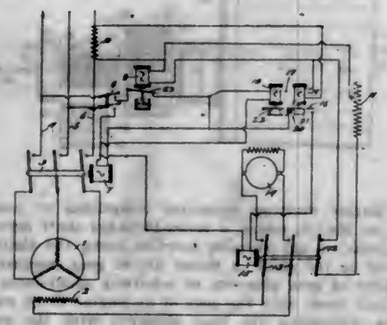
1,638,272. COMPOSITION FOR CLEANING GLASS WHICH WILL PREVENT MISTING AND THE COLLECTION OF GLOBULES OF MOISTURE THEREON. CLARENCE H. OHLWILER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Feb. 14, 1924. Serial No. 692,895. 2 Claims. (Cl. 134—27.)

1. A detergent and anti-dimming composition consisting of water, cocoanut oil, potash soap, Turkey red oil, alcohol and glycerine.

1,638,273. METHOD AND COMPOSITION OF MATTER FOR SURFACE-TREATING ALUMINUM. ALADAR PACZ, East Cleveland, Ohio. Filed Feb. 10, 1926. Serial No. 87,463. 5 Claims. (Cl. 148—7.)

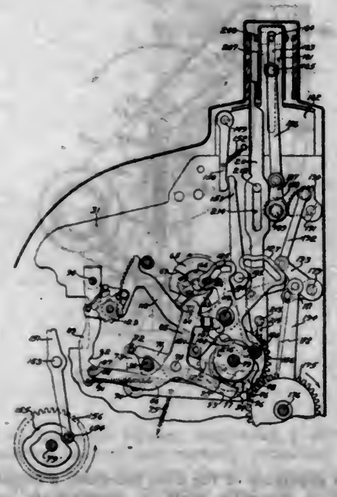
1. The process of surface treating metallic articles consisting at least superficially of aluminum which contains the step of immersing the article in a solution containing a soluble fino-silicate, a salt of a non-ferrous iron-group metal, and an alkali salt.

1,638,274. STARTING APPARATUS FOR SYNCHRONOUS MOTORS. HENRY V. PUTMAN, Mansfield, Ohio, assignor to The Ideal Electric & Manufacturing Company, Mansfield, Ohio, a Corporation of Ohio. Filed May 3, 1924. Serial No. 710,705. 14 Claims. (Cl. 172—289.)



1. The combination with a motor, of a switch for controlling the supply of current thereto, an overload relay for controlling said switch, a bypass shunt for said relay, and means for disconnecting said bypass shunt when said motor approaches normal operating speed.

1,638,275. CASH REGISTER. WILLIAM H. ROBERTSON, Dayton, Ohio, assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed June 7, 1923. Serial No. 643,920. 8 Claims. (Cl. 235—23.)



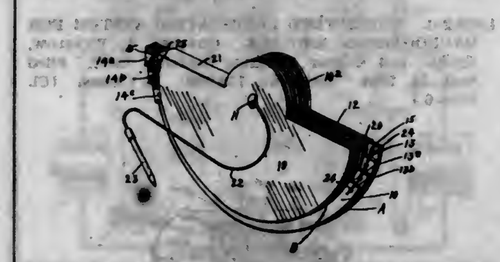
1. The combination of a movable tablet indicator supporting carriage, differentially movable means for controlling the movement of said carriage, manipulative means for controlling said differentially movable means, an operating means, means for normally locking said operating means, means for moving said locking means for releasing said operating means after the adjustment of said differentially movabl means has been effected, and means operated by said operating means for moving said carriage under control of said differentially movable means.

1,638,276. THERMOMETER. CHARLES H. SCHULTZ, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,208. 2 Claims. (Cl. 73—119.)



1. A thermometer comprising an apertured disk having a scale concentric with said aperture, a centrally apertured container, an eyelet co-operating with the apertures in said disk and container for securing the same pivotally with relation to each other, a coiled thermo sensitive element within said container and secured at its outer end to the peripheral wall of said container, a pin secured to the inner end of said thermo sensitive element and extending through the aperture in said container, and a pointer secured to the outer end of said pin in co-operative relation with the scale on said disk.

1,638,277. RADIORECORD. EDWARD C. SMITH, Des Moines, Iowa. Filed Apr. 7, 1926. Serial No. 100,863. 5 Claims. (Cl. 281—1.)



1. In a device of the class described, a series of superposed substantially semi-circular sheets having successively longer circumferential notches terminating at one straight edge, index matter on the portions of the lower sheets exposed through said notches, indicating matter on each sheet arranged in radial lines, a second series of similarly arranged sheets of less radius than the first sheets overlying the first series having successively longer circumferential tongues, terminating at the other straight edge, overlying the corresponding outer portions of the first sheets, and a common central pivot for the sheets.

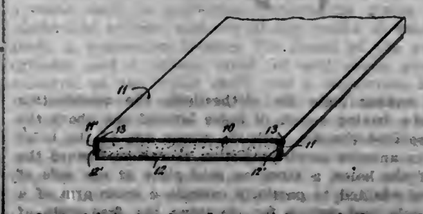
1,638,278. CONTACT-RECTIFYING DEVICE. WALTER O. SNELLING, Allentown, Pa. Filed Feb. 8, 1923. Serial No. 617,841. 4 Claims. (Cl. 250—31.)

1. The process which comprises applying pressure to a finely divided reaction product of a metal with an element of the sulfur group until a coherent mass results, and thereafter sintering the resulting coherent product.

1,638,279. CONCENTRATION OF TIN MINERALS. WALTER O. SNELLING, Allentown, Pa. Filed Oct. 31, 1925. Serial No. 66,105. 4 Claims. (Cl. 209—9.)

1. In the treatment of minerals, the process which comprises superficially reducing particles of cassiterite electrolytically to metallic tin, and thereafter separating such superficially reduced particles from associated mineral particles.

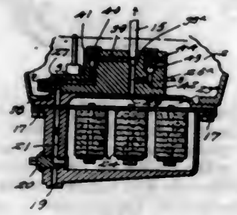
1,638,280. FABRICATED BOARD. CLARENCE W. UTZMAN, Buffalo, N. Y., assignor, by mesne assignments, to United States Gypsum Company. Filed Apr. 19, 1920, Serial No. 374,838. Renewed Jan. 5, 1923. 6 Claims. (Cl. 154—45.9.)



2. A fabricated board comprising a body portion containing hardened plaster, a covering sheet adhering to each of the flat surfaces of said body portion and of

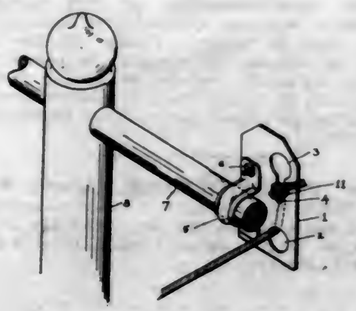
greater width than said surfaces, one of said covering sheets having each of its sides folded over a longitudinal edge of the surface to which it adheres so as to substantially cover the adjacent longitudinal edge surface of the body portion, the other of said covering sheets also having each of its sides folded over a longitudinal edge of the surface to which it adheres so as to overlap but not completely cover the folded over sides of the other covering sheet, and a waterproof adhesive cementing together the overlapping sides of said covering sheets.

1,638,281. FORCE-FEED LUBRICATING SYSTEM FOR HYDROCARBON ENGINES. CHARLES A. WINSLOW, Vallejo, and ELBERT J. HALL, Berkeley, Calif. Filed Sept. 25, 1924. Serial No. 739,963. 18 Claims. (Cl. 184—6.)



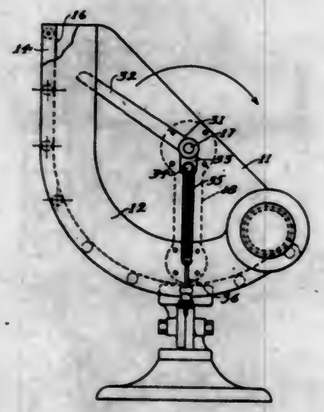
14. In an internal combustion engine, the combination with the engine bearings and the oil pump, of means for filtering the oil passing from the pump to the bearings, and means for reversing the flow of oil through the filtering means.

1,638,282. CLOTHESLINE LOCK. STANLEY WOOD, Rochester, N. Y. Filed Jan. 26, 1927. Serial No. 163,663. 1 Claim. (Cl. 24—130.)



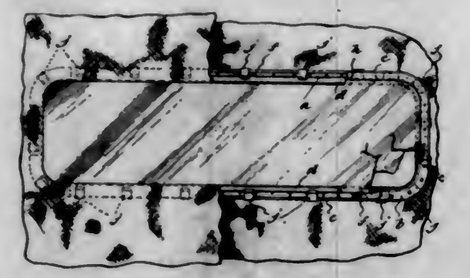
In a locking plate for clotheslines, the combination of a plate, having a pair of holes located one above the other provided therein, with the upper one of the holes having an angular notch projecting therefrom toward the lower of the holes, a strap on said plate at one side of the holes adapted to partially encircle a cross arm of a clothes pole and means for clamping the free ends of said strap against said plate to clamp said plate in place on the cross arm.

1,638,283. TARGET-THROWING APPARATUS. ERWIN F. BAHLMANN, Milwaukee, Wis. Filed Oct. 24, 1921. Serial No. 509,986. 16 Claims. (Cl. 124—4.)



5. In an apparatus of the class described, a target holding means, a throwing shaft, a continuously rotating drive shaft, a drive connection between said shafts, a target throwing arm carried by said throwing shaft and independent of the holding means, said arm being arranged to sweep the holding means and throw a target held thereby, and means operable upon rotation of the throwing shaft a part of a cycle by said drive shaft to accentuate the speed of rotation of the throwing shaft the remainder of the cycle whereby the target held by said holding means will be thrown into the air.

1,638,284. WINDOW-LIGHT FRAME. WILLIAM J. BOSSEMEYER, Detroit, Mich. Filed Oct. 24, 1923. Serial No. 670,430. 8 Claims. (Cl. 296—145.)



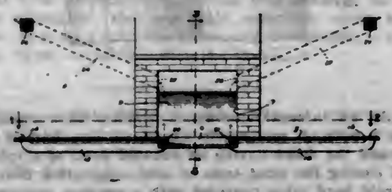
1. In a window light for automobile tops, a pair of frames provided each with means for impaling a separate piece of fabric thereto, and spring means for clamping the two frames together, the fabric being turned over the two frames for concealing the frames and the securing means.

1,638,285. LEG AND ANKLE SUPPORT. AUBREY AUGUSTUS BROOKS, Toronto, Ontario, Canada. Filed Oct. 27, 1923. Serial No. 671,235. 4 Claims. (Cl. 128—81.)



1. A leg and ankle support, comprising, a stirrup member extending beneath and securely embracing the foot, and telescopic brace members pivotally connected to said stirrup and extending upwardly past the sides thereof and secured to the leg.

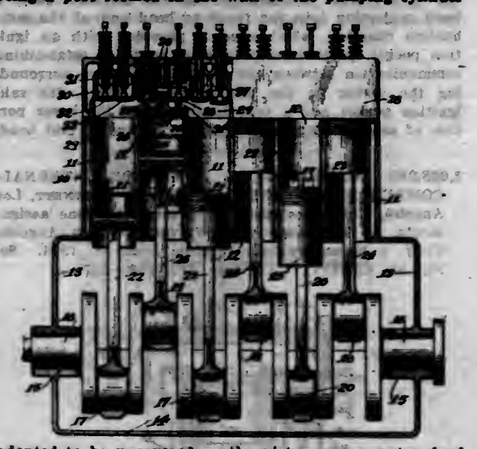
1,638,286. FIREPLACE. THOMAS BURLEY, Seattle, Wash. Filed Dec. 4, 1926. Serial No. 152,600. 1 Claim. (Cl. 126—121.)



A fireplace comprising a radiator plate that is arranged to form a back chamber, upwardly slanting deflector plates disposed in the chimney flue having associated draft openings, a fire well in the bottom of the fireplace, conduits for the entry of cool air connected with the bottom portion of the back chamber, auxiliary pipes connecting said conduits and fire well, conduits leading from the upper portion of said back chamber, and registers for the discharge of warm air at the ends of the last named conduits disposed above their connection with the chamber.

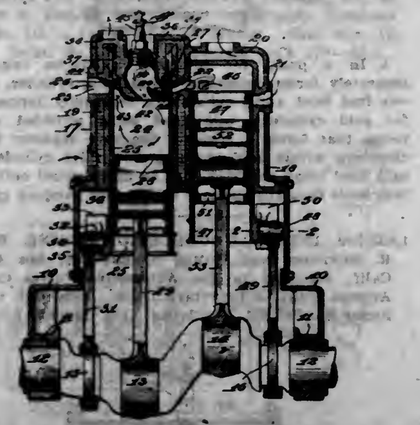
1,638,287. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Jan. 4, 1923. Serial No. 610,697. 3 Claims. (Cl. 123—80.)

1. An internal combustion engine having a combustion cylinder and a pumping cylinder, an exhaust valve adapted to open during the exhaust stroke of the engine, an inert volume inlet valve adapted to open during the suction stroke of the engine, a supercharge gaseous fuel transfer valve adapted to open during the first part of the compression stroke of the engine, all of said valves being arranged in the head of the combustion cylinder and disposed parallel with the crank shaft of the engine, there being a port formed in the wall of the pumping cylinder



adapted to be uncovered as the piston passes outer dead center, so as to admit gaseous fuel into said pumping cylinder.

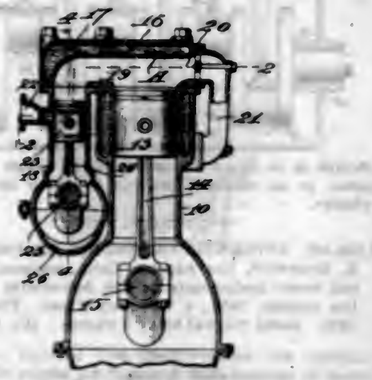
1,638,288. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed May 31, 1923. Serial No. 642,509. 3 Claims. (Cl. 123—70.)



1. In a two stroke cycle internal combustion engine, a combustion cylinder, a pumping cylinder, a sleeve arranged for reciprocation within said combustion cylinder, a sleeve arranged for reciprocation within the pumping cylinder, a piston arranged for reciprocation within the sleeve of the combustion cylinder, a piston arranged for reciprocation within the sleeve of the pumping cylinder, a crank shaft, a connection between the piston of the combustion cylinder and one of the cranks of said crank shaft, a connection between the piston of the pumping cylinder and a second crank of said crank shaft, an eccentric on the crank shaft, and a connection between the sleeve of the combustion cylinder and said eccentric, a second eccentric on the crank shaft, a connection between the sleeve of the pumping cylinder and said second eccentric, there being a gaseous fuel admission port formed near the top of the pumping cylinder, there being a duct leading from the compression clearance part of the pumping cylinder to the upper part of the combustion cylinder, there being a port in the sleeve of the combustion cylinder for registration with said duct, there being an

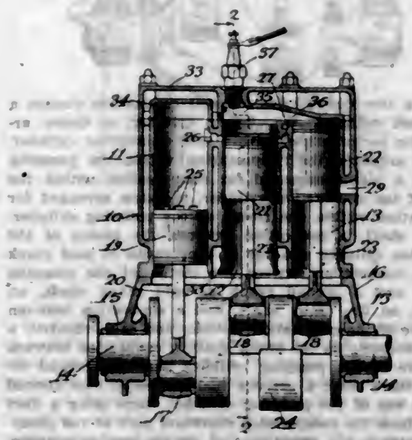
exhaust port formed in the wall of the combustion chamber at a point substantially opposite to said duct, a head projecting into the inner or head end of the combustion chamber, which head is provided with an ignition pocket, ports formed in said head for establishing communication between the port in the sleeve surrounding the piston in the combustion chamber with said ignition pocket and a port leading from the lower portion of said ignition pocket to the bottom of said head.

1,638,289. GASEOUS-FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Sept. 18, 1924. Serial No. 738,418. 6 Claims. (Cl. 103—227.)



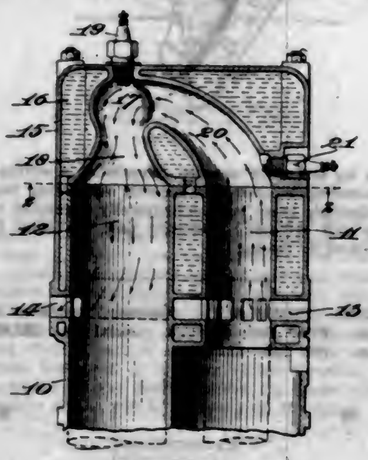
1. In a pump for internal combustion engines, a separately formed gaseous fuel pumping cylinder, a gaseous fuel inlet valve cylinder, a separately formed head for said cylinders, said head being provided with a recess that forms a common clearance chamber for the chambers within said pumping and valve cylinders and said head being provided with an unrestricted outlet duct that leads from the chamber within said pumping cylinder.

1,638,290. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT and HOMER A. BRUNELL, Los Angeles, Calif., assignors to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Oct. 8, 1924. Serial No. 742,891. 4 Claims. (Cl. 123—53.)



2. In a two stroke cycle internal combustion engine, a power unit comprising a pumping cylinder and a pair of combustion cylinders, the head ends of the latter being connected by a common clearance chamber, the pumping chamber being provided with a gaseous fuel inlet port, a gaseous fuel transfer port leading from the chamber in the pumping cylinder into the chamber of the adjacent combustion cylinder, the other combustion cylinder having an exhaust port, pistons arranged for operation within all of the cylinders, a sleeve arranged for operation within the combustion cylinder having the gaseous fuel transfer ports for controlling the passage of gaseous fuel therethrough, and means for reciprocating said sleeve so that the same is at the top center to close said transfer ports while the pistons within the combustion cylinders are at the upper or inner ends of their stroke.

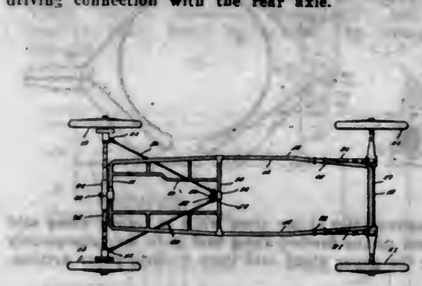
1,638,291. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed May 21, 1925. Serial No. 31,805. 3 Claims. (Cl. 123—53.)



3. In an internal combustion engine, the combination with a pair of combustion chambers, one having inlet port and the other having an exhaust port, of a cylinder head closing the head ends of said combustion chambers and said head being provided with a common compression and combustion clearance chamber that connects the head ends of said combustion chambers and which common clearance chamber comprises a substantially spherical chamber that is aligned with the axis of the combustion chamber having the exhaust port, a tapered throat leading from said spherical chamber to the head end of the combustion chamber having the exhaust port, a laterally disposed curved throat that connects the side of said spherical chamber with the head end of the combustion chamber having the inlet port, an ignition device seated in the head and projecting into the laterally disposed throat adjacent to the point where the same joins the combustion chamber having the inlet port and an ignition device seated in said head and projecting into said spherical chamber.

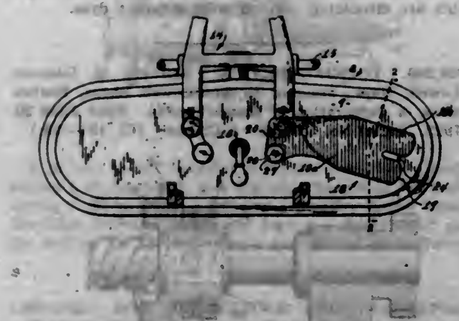
1,638,292. AUTOMOBILE CHASSIS. HARRY E. CROSS, Indianapolis, Ind., assignor to Cross Motor Corporation, Indianapolis, Ind., a Corporation of Delaware. Filed Oct. 27, 1923. Serial No. 671,093. 18 Claims. (Cl. 280—106.5.)

1. An automobile comprising, in combination, a frame, a front axle and its guiding wheels, an elliptic type leaf-spring connected to each side member of the frame and to the front axle, a rear axle assembly and its driving wheels, two quarter-elliptic leaf-springs arranged transversely of the frame at the rear thereof and attached at their outer ends to the rear axle assembly, a pivotal connection between the rear springs and the rear cross-member of the frame on a horisontal axis centrally on said rear member, said front and rear springs providing a three-point support for the frame, and an engine mounted in the rear portion of the frame and having a driving connection with the rear axle.



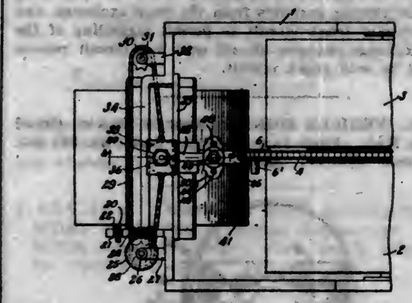
6. In an automobile, in combination, a frame, a rear axle assembly axle housing and differential, means pivotally supporting the rear end of the frame on the axle housing from a single point centrally between the sides of the frame whereby the rear axle assembly may tilt on said pivotal point, an engine mounted in the rear portion of the frame, a driving connection between the engine and differential permitting the rear axle assembly to move vertically with respect to the frame and to tilt about said point of support, and a thrust-rod between the rear axle assembly and the frame, the thrust-rod having a universal connection at its forward end with the frame and a pivotal connection at its rear end with the rear axle assembly, said pivotal connection being on a normally vertical axis perpendicular to the thrust-rod so as to permit tilting of the rear axle assembly about said pivotal connection with the frame and to establish a propelling thrust connection with the frame.

1,638,293. ATTACHMENT FOR STEAM PRESSING MACHINES. JOHN W. DE FORD, Los Angeles, Calif. Filed Sept. 14, 1926. Serial No. 135,315. 5 Claims. (Cl. 68—9.)



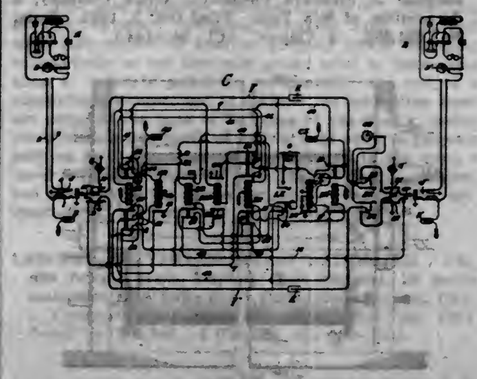
1. In a clothes press, an inclined head provided with a wall enclosing a steam space, a housing above said wall providing a pressing iron receiving space of which such wall forms a boundary; said housing so disposed that the longitudinal axis of said iron receiving space is disposed at an appreciable angle with regard to the longitudinal line of said head.

1,638,294. PAVING ROLLER AND STEERING MECHANISM. PHILIP W. DIETLY, Erie, Pa. Filed Aug. 23, 1924. Serial No. 733,709. 13 Claims. (Cl. 94—50.)



1. In a device of the class described, a frame, a driving roll supporting said frame, a steering roll, and means to move said steering roll transversely of said frame.

1,638,295. TELEPHONE SYSTEM. GEORGE R. EATON, Oak Park, and MICHAEL B. STAZAK, Chicago, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 13, 1922. Serial No. 600,554. 8 Claims. (Cl. 179—42.)



1. In a telephone system including a private branch exchange, subscribers' telephone lines terminating therein, a link circuit for interconnecting said telephone lines in conversational circuit, a main exchange, a trunk circuit between said private branch exchange and said main exchange, said link circuit adapted to be connected to said trunk circuit to connect a subscriber's line at the branch exchange with the main exchange, individual supervisory means at the main exchange and at the private branch exchange controlled over the said subscriber's telephone line on either incoming or outgoing calls, to notify the operators at the private branch exchange and main exchange respectively when conversation has terminated, means whereby the subscriber on said telephone line may communicate his wants to the operator at the main exchange, or whereby the operator at said branch exchange may communicate said subscriber's wants to the main

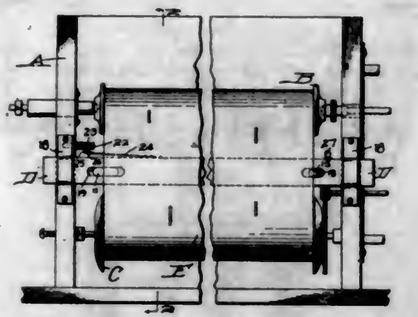
exchange operator, means operative when said branch exchange operator communicates the subscriber's wants to the main exchange operator to prevent the said supervisory means operating to signal a false disconnection signal upon the replacement of the calling subscriber's receiver upon its switchhook while said subscriber is waiting for his call to be completed, means for providing battery for talking purposes from the main exchange, and means for said trunk circuit to permit signalling of the branch exchange operator should said link circuit remain connected to said trunk circuit.

1,638,296. VEHICLE SIGNAL. ANDREW EKMAN, Grand Rapids, Mich. Filed Aug. 14, 1922. Serial No. 581,637. 15 Claims. (Cl. 177—327.)



2. In a device of the character described, a disk having the major portion thereof opaque and provided with transparent portions in the shape of arrows crossing each other at an acute angle to each other at the center of the disk, and with other transparent portions consisting of the letters S and T between one end of the arrows, and the letters O and P between the opposite ends of the arrows.

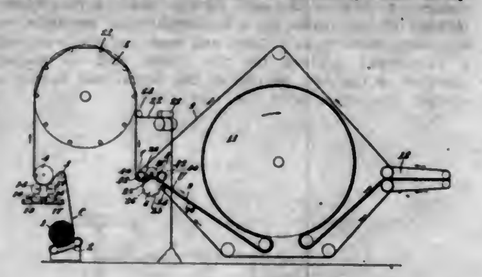
1,638,297. TRANSPOSING DEVICE FOR MUSICAL INSTRUMENTS. JOSEPH B. FIALA, New York, N. Y., assignor to Standard Pneumatic Action Company, a Corporation of New York. Filed Oct. 2, 1922. Serial No. 591,692. 3 Claims. (Cl. 84—144.)



1. A transposing device for musical instruments consisting of a spool box, a laterally movable tracker bar and means for adjusting and locking the tracker bar in different positions, consisting of a spring arm and a grooved screw adjustably threaded into the spool box with which the spring arm engages.

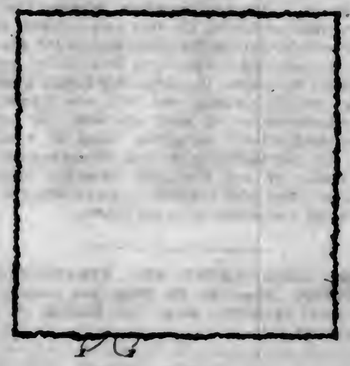
1,638,298. PAPER ARTICLE METHOD AND APPARATUS. CARL A. FLOOD and JOHN H. GIBBS, Framingham, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1926. Serial No. 128,078. 8 Claims. (Cl. 93—1.)

1. Apparatus for forming articles from sheet paper comprising means for feeding an elongate sheet of paper lengthwise along a predetermined path, means for wetting the paper along lines respectively extending transversely



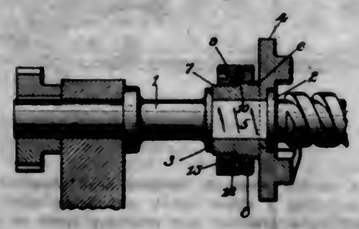
and longitudinally of the sheet while in transit along said path, and means farther along said path for subsequently tearing the paper along said lines to form paper articles.

1,638,299. CREPE-PAPER ARTICLES. CARL A. FLOOD and JOHN H. GIBBS, Framingham, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a Corporation of Massachusetts. Original application filed Aug. 9, 1926, Serial No. 128,078. Divided and this application filed Nov. 8, 1926. Serial No. 147,152. 3 Claims. (Cl. 41—26.)



2. A crepe paper article having irregular torn edges which are alternately colored with different dyes.

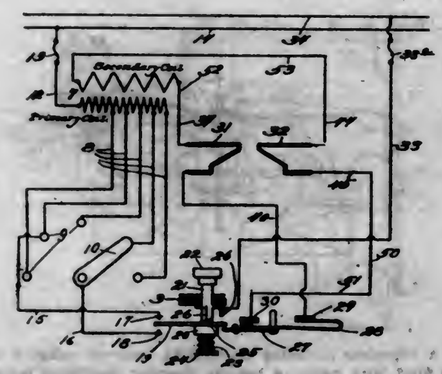
1,638,300. LOCKING DEVICE. SAMUELL M. GAGNON, Lowell, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed June 20, 1922. Serial No. 569,765. 8 Claims. (Cl. 151—19.)



1. A locking device of the character described comprising a nut, a collar positioned beside said nut, the bore of the collar beyond the end of the nut being tapered,

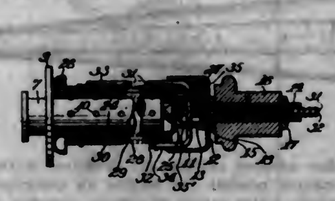
and means at the adjacent ends of the nut and collar connecting said nut and collar together and holding them against substantial relative axial displacement but permitting a relative rotative movement between them.

1,638,301. ELECTRIC WELDING OR SOLDERING DEVICE. ROY E. GRANHART, Kansas City, Mo. Filed Jan. 17, 1923. Serial No. 613,302. 12 Claims. (Cl. 219—12.)



1. In apparatus of the character described, a transformer and means for circulating electric current to energize the primary and induce current in the secondary of said transformer, a pair of spaced conducting terminals having opposed intermediate attenuated points, and connections establishing a circuit in series from the said secondary through said terminals to preheat the attenuated points thereof.

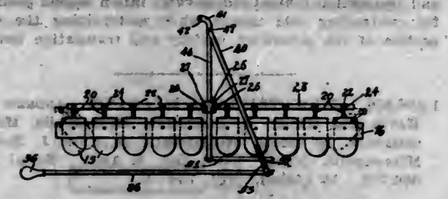
1,638,302. ELECTRICAL HAIR CURLER. ALBERT BARON GORDON, Indianapolis, Ind., assignor to August Henry Opperman and Theodore Allebrandi, Indianapolis, Ind. Filed Sept. 29, 1924. Serial No. 740,549. 11 Claims. (Cl. 132—36.)



1. A hair curler including a tubular imperforate casing having a flared mouth end, the opposite end of the casing having a closure, and a tubular protecting holder loosely insertible into the casing and having a flared outer end, the wall of the holder having a plurality of ducts therein.

1,638,303. EGG RECEPTACLE FOR INCUBATORS. HOLLAND C. GAROO, Ithaca, N. Y., assignor, by mesne assignments, to Annie S. Eveleth, Little Falls, N. Y. Filed Oct. 26, 1921. Serial No. 510,584. 3 Claims. (Cl. 199—44.)

1. In an egg receptacle for incubators, a plurality of vertically movable tray frames, rocking baskets carried by said tray-frames, means for actuating said tray frames, connecting bars attached to said baskets, a plate having means for connecting said bars, a rod adapted



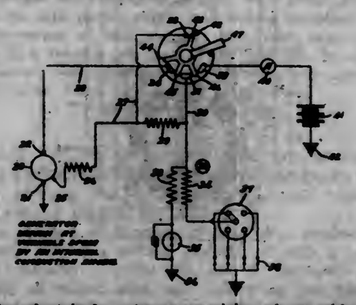
to pass under said plate, a lever to which said last named rod is connected, and means connecting said lever and rod, whereby to rock said baskets.

1,638,304. COMBINED HOSE SUPPORTER AND SHIRT ADJUSTER. CHARLES GEORGE GUY, Victoria, British Columbia, Canada. Filed June 5, 1924. Serial No. 718,133. 4 Claims. (Cl. 241—1.)



1. In a hose supporter, the combination of a connecting member, upwardly extending divergent arms connected with said connecting member, gripping means connected substantially at the free ends of the arms to fasten said arms at separate points to substantially the end of a supporting garment, and to suspend the connecting member adjacent the bend of the knee of the wearer, means for adjusting the length of each of said arms to properly position said connecting member relative to the knee, a lower extension suspended from said connecting member, and hose connecting means for said lower extension substantially at the lower end thereof.

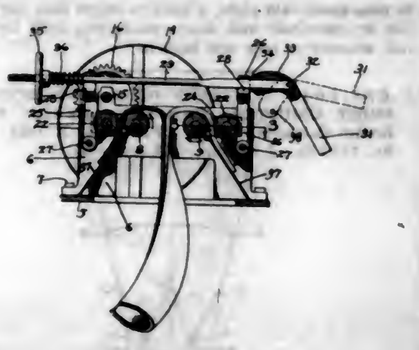
1,638,305. BATTERY-CHARGING APPARATUS. NELSON ROBERT HAAS, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Nov. 29, 1924. Serial No. 752,868. 4 Claims. (Cl. 290—41.)



4. An electrical system comprising, in combination, a generator, a battery charged thereby, an electrical translation device, means for regulating the generator, and

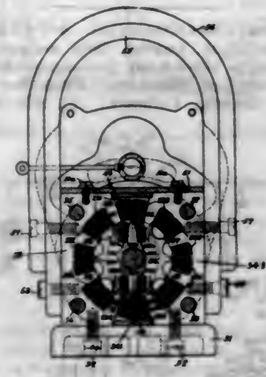
a switch having a manually operable member movable into one position for connecting the generator and battery and translation device, and movable into a second position for controlling said means while maintaining the connection of the generator, battery and translation device.

1,638,306. TIRE-STRIPPING MACHINE. ANDREW H. HAVIR and HENRY V. FLETCHER, Minneapolis, Minn., assignors, by mesne assignments, to Even J. Rohne, Minneapolis, Minn. Filed Oct. 5, 1923. Serial No. 666,772. 10 Claims. (Cl. 154—9.)



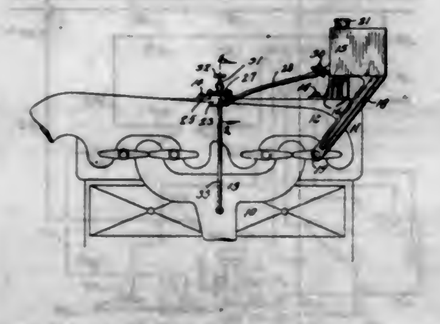
1. A device of the class described comprising a frame, feed and pressure rolls mounted thereon in parallel relation, the pressure rolls adapted for translation toward the feed rolls, pivoted levers engaging the pressure rolls, one at each end of each roll, link connections between each end pair of levers, holding the levers yieldably against the pressure rolls, each link connection having a lever controlled cam pivoted thereto engageable with a lever, to simultaneously hold each end pair in operative position, both cams being on the same side of the machine, and accessible for single or simultaneous operation.

1,638,307. LIGHTING AND IGNITION MAGNETO. JOHN H. HUNT, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 21, 1922. Serial No. 576,493. 3 Claims. (Cl. 171—252.)



1. In a magneto, the combination with a permanent magnet field including toothed poles, and pole face windings surrounding the pole teeth; of a toothed armature core carrying armature windings, the core being notched to provide equally spaced core teeth of equal width at the periphery, certain diametrically opposite groups of notches being relatively deep to provide winding space for groups of armature windings.

1,638,308. VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. PERRY D. INHOFF, Des Moines, Iowa, assignor to C. B. Hess, Des Moines, Iowa. Filed July 6, 1925. Serial No. 41,472. 1 Claim. (Cl. 123—25.)



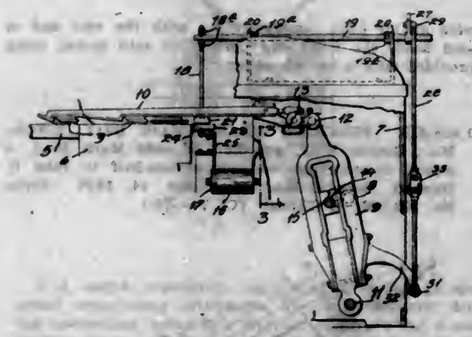
A vaporizer including an airtight reservoir adapted to be filled with water, a heating chamber positioned below the reservoir and adapted to rest upon an exhaust manifold of an engine, said heating chamber having a small opening in its top for admitting air, a means of communication between the heating chamber and the reservoir, said means entering the chamber near its bottom whereby the water will be maintained at a predetermined level, and a passage way for drawing steam from the heating chamber into an intake manifold of an engine.

1,638,309. MUFFLER CONSTRUCTION. THOMAS S. KEMBLE, Lakewood, Ohio. Filed Apr. 3, 1922. Serial No. 549,010. 1 Claim. (Cl. 137—160.)



A muffler adapted to form the discharge section of an engine exhaust conduit and having an elongated imperforate tubular outer casing of greater diameter than the exhaust conduit and having a conical end with an opening adapted to receive the exhaust conduit, the opposite end of said casing being conical and having an opening through which the gases are discharged, a tubular member within said casing in alignment with the exhaust conduit and extending from one conical end portion of the casing to the other, said tubular member being of substantially the same size at its inlet end as the exhaust conduit and forming a direct and unobstructed passageway for gases discharged from the exhaust conduit, the space between said tubular member and outer casing being in communication with the direct passageway adjacent the inlet and outlet ends of the muffler and forming an elongated unobstructed auxiliary passageway from the inlet to the outlet end of the muffler, the said passageways being of such length and relative cross-sectional areas that substantial portions of each discharge of exhaust gases may escape laterally to the auxiliary passageway to the inlet end, flow through the same toward the discharge end of the muffler and return into the direct passageway at the discharge end of the muffler.

1,638,310. BOARD KICKER FOR END-MATCHING MACHINES. CHARLIE A. KILLEBREW, Eastport, Fla., assignor to Willis S. Sherman, Minneapolis, Minn. Filed June 22, 1926. Serial No. 647,030. 15 Claims. (Cl. 198—24.)



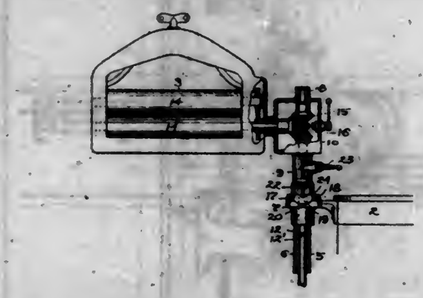
1. The combination with means for feeding boards laterally to a point of discharge, of an automatic board kicker operated by the machine itself and timed in respect to said board feeding means and operative to project the boards endwise as they are discharged from said feeding means.

1,638,311. METHOD FOR ORNAMENTATIONS. CHRISSY ANDREWS, New York, N. Y. Filed Mar. 11, 1926. Serial No. 94,007. 5 Claims. (Cl. 41—34.)



1. As a new article of manufacture, an ornamented fabric consisting of a fabric base having a design imprinted on its surface, a corrugated covering secured over a part of the design, a coating of cementitious size applied over the said covering and the balance of the design and flock applied over said cementitious size substantially as described.

1,638,312. WRINGER. PERCY E. BARKER, Cleveland, Ohio, assignor of one-half to Arthur B. Betz, Cleveland, Ohio. Filed Nov. 24, 1924. Serial No. 751,828. 3 Claims. (Cl. 68—32.)



1. A wringer having a rotatable supporting standard and a power-transmitting clutch, a device adapted to throw out said clutch, when the wringer and standard are jointly rotated, said standard being freely rotatable independently of said device, and means adapted to lock said device to rotate with said standard.

1,638,313. WRINGER. PERCY E. BARKER, Cleveland, Ohio, assignor of one-half to Arthur B. Betz, Cleveland, Ohio. Filed Oct. 14, 1925. Serial No. 62,421. 10 Claims. (Cl. 68—32.)

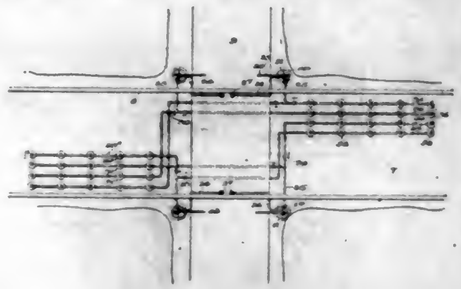


1. A wringer, comprising a power roller and a second roller yieldably engaged therewith, a movable support for said second roller adapted to shift said roller across the crown of said power roller, and means adapted to limit the movement of said support and place said yieldable roller in a feeding position at one side of the crown of said power roller but free to ride reversely across said crown at all times to separate said rollers.

1,638,314. FLUID FUEL AND METHOD OF PRODUCING THE SAME. EDWIN J. BARTH and FRANK HOVELL, San Antonio, Tex. Filed Mar. 25, 1927. Serial No. 178,496. 7 Claims. (Cl. 44—9.)

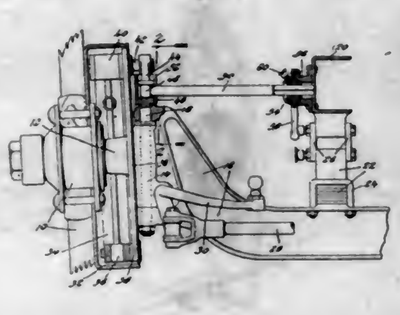
2. A method of forming a fluid fuel product which comprises mixing a cracked residual oil with a relatively larger quantity of fuel oil, and a relatively smaller quantity of rubber gum, and subjecting the mixture to heat and mechanical agitation to obtain a thorough blending of the gum rubber with the carbonaceous matter in the mixture.

1,638,315. PNEUMATICALLY-OPERATED RAILWAY GATE. FITZHUGH L. BECK, Barksdale, Tex. Filed Sept. 9, 1926. Serial No. 134,435. 5 Claims. (Cl. 246—261.)



1. A railway gate operating mechanism including gates mounted on both sides of the railroad, a series of air conduits and pumps carried thereby, arranged near each track on opposite sides of the highway, a locomotive carried means cooperable with said pumps to close the gates, said means being adjustable for coaction with the pumps of either series of conduits.

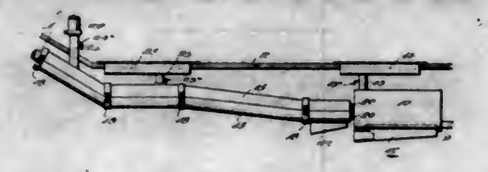
1,638,316. VEHICLE HAVING BRAKES. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 31, 1923. Serial No. 616,055. 4 Claims. (Cl. 188—194.)



2. A vehicle having an axle and a chassis frame, a spring connecting the axle and frame, a wheel having a brake drum, and a knuckle with a stub axle for the wheel and a brake band carried thereby, and which has, in combination, a cam arranged to operate said band, a shaft directly carrying the cam and mounted on the frame by sliding and oscillatable connection to compensate for the action of the spring, and a king pin connecting the axle and knuckle and formed to provide a bearing supporting said cam.

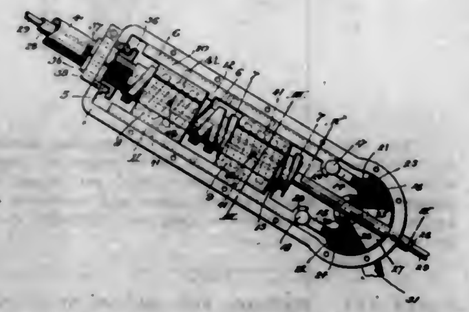
1,638,317. AUTOMOBILE HEATER. CHARLIE M. BOWERS, Bloomington, Ind. Filed June 12, 1924. Serial No. 719,623. 1 Claim. (Cl. 257—241.)

An automobile heating attachment adapted to surround an exhaust pipe, said attachment comprising an elongated cylindrical jacket formed of two abutting longitudinal jacket sections having sectional closures at their ends to surround the exhaust pipe, clamping collars surrounding the jacket sections at intervals to secure them together around the exhaust pipe, and a forwardly opening hood carried by the exterior of said jacket at its rear end, said hood being declined forwardly and having an open front end and the jacket being formed



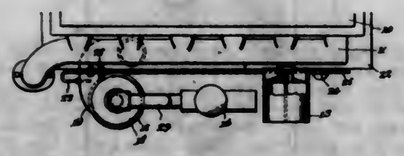
with an air inlet communicating with the rear end of said hood, the front end portion of said jacket being provided with a hot air outlet.

1,638,318. STEERING GEAR. MARK BRAY, Nevada, Mo.; Glessie Bray, guardian of said Mark Bray, a mental incompetent, assignor of one-half to John C. Howard, Nevada, Mo. Filed Apr. 14, 1926. Serial No. 102,006. 8 Claims. (Cl. 74—79.)



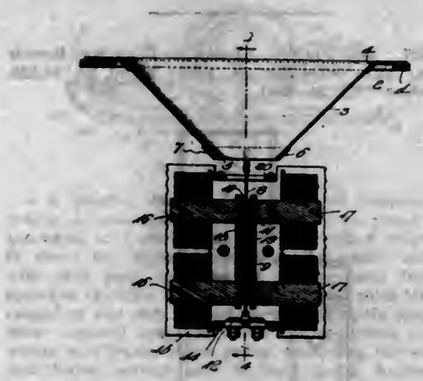
1. A steering gear mechanism comprising a steering shaft with oppositely threaded portions; a nut mounted on each of said portions; a pair of slides; a lug on each of said slides adapted to engage one of said nuts; a rocker actuator; means for transmitting the thrust of the slides to the actuator; and a steering arm connected to said actuator.

1,638,319. OIL-DILUENT SEPARATOR. SOUTHWICK W. BRIGGS, Glenmont, Md. Filed Nov. 4, 1926. Serial No. 146,222. 4 Claims. (Cl. 123—196.)



1. A diluent separator for removing lighter substances from oil comprising a cylindrical body portion having an inlet near its upper end and at a tangent to one side thereof for delivering a volume of air in a spiral stream to the upper end of the body portion, an outlet pipe arranged centrally in the body portion and opening into the same near the lower end of the body portion for carrying off the air, means for heating the air prior to delivering the same to the body portion, means for delivering a relatively small stream of oil to said inlet for admixture with the air as it enters the body portion, and means for carrying off the oil accumulating in the lower end of said body portion.

1,638,320. SOUND-REPRODUCING APPARATUS. CYRIL A. BRIGHAM, East Orange, N. J., assignor to Brandes Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Nov. 2, 1926. Serial No. 145,808. 4 Claims. (Cl. 179—115.)



1. A sound reproducer comprising a conical shaped sound reproducing diaphragm, an electromagnetic driving mechanism including a flat coil structure and a connection between said conical shaped sound reproducing diaphragm and said flat coil structure comprising a bridle encircling said conical shaped sound reproducing diaphragm and secured at diametrically opposite points to said flat coil structure.

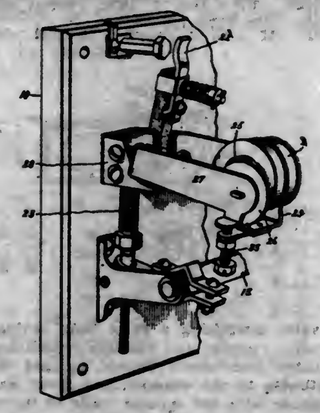
1,638,321. SEPARABLE FASTENER. DONALD M. BURMISTER, New York, N. Y. Filed Oct. 5, 1926. Serial No. 139,659. 3 Claims. (Cl. 24—211.)



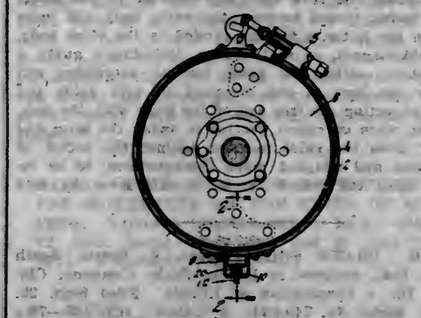
1. As a new article of manufacture, a stud retainer comprising a pair of interconnected spaced members, a tube disposed between said members and provided with diametrically opposite slots, a spring retaining device arranged between said members and including spaced parallel arms extending through said slots and terminating in flared extremities, and a manually manipulated release device carried by the peripheral portions of said members and including a wedge for disposition between said flared ends for spreading said arms apart.

1,638,322. ELECTROMAGNETIC TIME-ELEMENT DEVICE. CHARLES H. CHAPMAN, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 2, 1926. Serial No. 126,468. 4 Claims. (Cl. 200—97.)

2. In combination in a time element device, an electromagnet having a core of laminated magnetic material, a magnetic movable element associated with said core and arranged to be magnetically attracted and released when the winding of the electromagnet is energized by a periodically varying current, the said element being arranged to move step by step with reference to a position of minimum reluctance between said core and element as the element is released, and a member of magnetic material cooperating with said core and element to provide a low reluctance path for the magnetic flux set up by the winding, the said member having a part arranged to be adjusted to provide an adjustable air gap between said member and element to adjust the time interval of operation of the device.



1,638,323. ANCHORING DEVICE FOR BRAKES. HAROLD D. CHURCH, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 13, 1925. Serial No. 50,000. 6 Claims. (Cl. 188—77.)



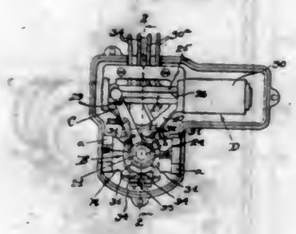
1. The combination of a brake drum, a brake member for engagement with said drum, an anchor for said brake member, an adjustable stop associated with said anchor and engaging said brake member, yieldable means for holding said brake member against said stop in one position of the brake, and means held in locking position by said last named means for locking said stop in adjusted position.

1,638,324. LOG RAFT. MATTHEW J. DAVIS, Portland, Oreg. Filed Dec. 22, 1925. Serial No. 77,110. 4 Claims. (Cl. 9—15.)



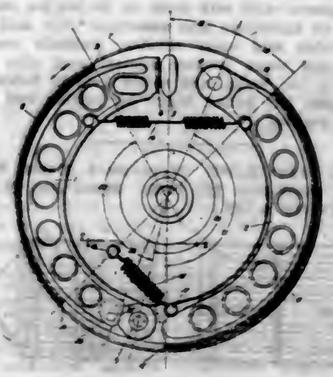
1. A log raft comprising a plurality of rows of longitudinally disposed logs, swifters disposed transversely thereon, means for securing the longitudinally disposed logs to the swifters, and lines connecting the swifters together.

1,638,325. ELECTRICALLY-ACTUATED VALVE. REX EARLE DAVIS, Minneapolis, Minn., assignor to Brenco Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 7, 1922. Serial No. 593,135. 3 Claims. (Cl. 137—139.)



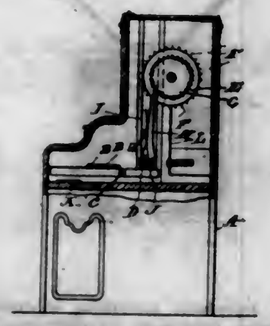
1. A valve comprising a valve body having an elongated central chamber and passages communicating with said chamber transversely thereof, opposed webs reaching lengthwise of the chamber, the inner walls of the webs together with the opposed walls of the valve body forming a seat within said chamber having four, equally spaced ports therein, one port of each pair communicating through said chamber with one of said passages, a movable, hollow valve member engaging said seat and formed with four, equally spaced, elongated ports adapted to be alternately registered with the valve seat ports and sealed by the valve seat walls, a ratchet wheel fixed to the valve member, a lever pivoted thereon, a spring pressed pawl on the lever arranged to engage the ratchet wheel and turn the valve member in one direction, a spring tensed between the valve body and lever to return the latter, a bracket carried by the valve body, a solenoid magnet, on said bracket, including a guide, a core slidable within the guide and an energizing coil to draw the core in one direction in said guide and means connecting the free end of the lever with the core, said core, when energized, serving to swing the lever and open or close the valve member against the action of said spring and adapted, when demagnetized, to be retracted upon the return throw of said lever by said spring.

1,638,326. BRAKE SHOE. ADIEL Y. DODGE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1924. Serial No. 740,534. 8 Claims. (Cl. 188—78.)



4. A brake comprising, in combination, a drum, a first shoe anchored at one end within the drum and extending less than 180°, a stop arranged at the opposite end of the shoe, a spring urging the shoe toward a position determined by the stop, a second shoe pivotally connected to the unanchored end of the first shoe, and means for swinging the second shoe against the drum while the anchored shoe is held by the spring in the position determined by the stop.

1,638,327. TOY PIANO. GEORGE H. ECKSTEIN, Beverly Hills, Calif. Filed Jan. 28, 1926. Serial No. 84,525. 5 Claims. (Cl. 84—95.)



2. In a toy piano, the combination with a multiple number of piano keys of a bar extending transverse thereof and engaged with all of said keys so that depression of any one will move said bar, a pawl operated by movement of said bar, a ratchet for advancement by said pawl, a rotatable member connected to said ratchet so as to be advanced thereby, projections on said rotatable member and tonal members arranged to be sounded by said projections.

1,638,328. CARD HOLDER. GEORGE BENJIMAN EDGAR and LAIGHTON R. MELVIN, Lawrence, Kans., assignors of fifty-eight per cent to said George B. Edgar, six per cent to Frank E. Melvin, and six per cent to Robert A. Melvin, Lawrence, Kans. Filed Dec. 1, 1925. Serial No. 72,521. 1 Claim. (Cl. 40—10.)



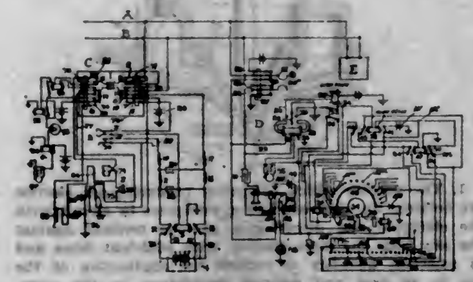
In a device of the character described, a supporting member, pins arranged in vertical spaced relation with each other, and disposed in the supporting member, a retaining bar having elongated openings disposed adjacent to the ends thereof, said openings accommodating the pins to permit the bar to be moved vertically, a portion of the bar adjacent to the lower end of one of the openings being cut away to provide a lateral passageway establishing communication with one of the openings to permit the bar to be swung laterally, and one end of the bar being turned upwardly to provide a finger piece.

1,638,329. TRACTION ATTACHMENT FOR AUTOMOBILES. FRIEDRICH FENNEL, Jersey City, N. J. Filed July 30, 1926. Serial No. 125,871. 4 Claims. (Cl. 305—3.)



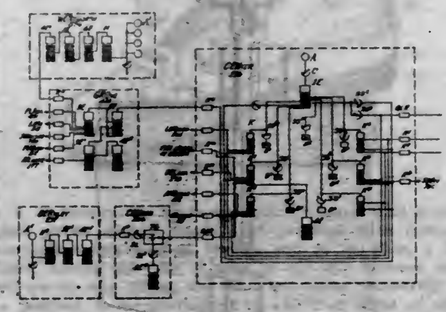
4. A traction attachment for wheeled vehicles, comprising a collapsible frame adapted to be placed about the wheel of a vheicle and provided with a hinge joint at about its center, an adjustable spreader connected with said joint and adapted to keep said frame in spread or operative position, a pair of fixed guide idlers arranged at the ends of said frame, resiliently suspended idlers disposed near the wheel, spring holders provided within said frame, roller guides connecting the walls of said frame, springs held by said spring holders and passing between said roller guides and supporting at their free ends said resiliently suspended idlers, an endless traction belt disposed within said frame and passing over the major portion of said wheel, below said resiliently suspended idlers over said fixed idlers and under said wheel, said resiliently suspended idlers disposed below the axis of said wheel adapted to keep said belt under constant tension.

1,638,330. SELECTIVE SIGNALING SYSTEM. GEORGE WILLIAM FLYNN, Blundellsands, near Liverpool, England. Filed Mar. 2, 1921, Serial No. 449,103, and in Great Britain July 4, 1919. 9 Claims. Cl. 177—343.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



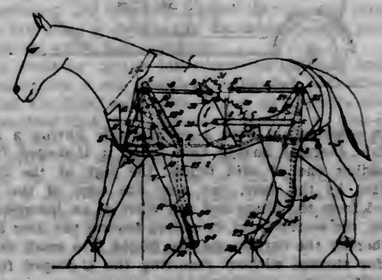
1. In a selective signaling system the combination of a central station, a plurality of outlying stations each having a designation number, a common line connecting said stations, means at said central station to transmit over said line a plurality of series of impulses, an indicating device at each of said outlying stations, a rotary selective switch at each of said outlying stations having a single rotary arm and a plurality of contacts, means to drive said arm in response to the first series of impulses received from said central station, an electrical circuit at each outlying station connected to a contact of said rotary switch corresponding to the first digit of said designation number, means controlled by current in said circuit to cause said driving means of said rotary arm to be re-actuated on the transmission of a subsequent series of impulses and a second electrical circuit connecting a contact of each of said rotary switches corresponding to the sum of the digits of said designation number to said indicating device.

1,638,331. MULTIOFFICE TELEPHONE SYSTEM. JOHN E. GARDNER, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 23, 1922, Serial No. 608,741. Renewed Dec. 15, 1926. 45 Claims. (Cl. 179—18.)



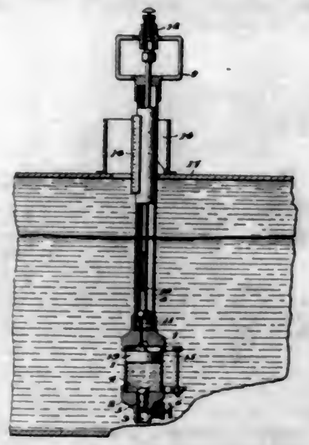
1. In a telephone system, a group of trunk lines, a plurality of registering devices common to said group, a plurality of other groups of trunk lines, means for seizing an idle trunk line in the first mentioned group and for associating one of said registering devices therewith, register switches in said registering device for setting up the digits of a called number, means controlled by said register switches for selecting a particular group of trunk lines of said plurality and for selecting an idle trunk in the selecetd group, a sender switch included in said registering device for sending out over the selected trunk line all the digits set up on said register switches, and means for preventing the initial starting of said sender switch until after said selecting means have operated.

1,638,332. MECHANISM FOR REPRODUCING ALL THE MOVEMENTS OF THE STEPS OF QUADRUPEDS. VITTORIO GOMBATO, Milan, Italy. Filed Mar. 12, 1925, Serial No. 15,014, and in Italy Mar. 22, 1924. 6 Claims. (Cl. 46—40.)



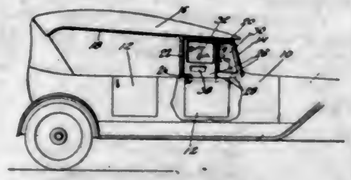
1. Mechanism for reproducing the step movements of quadrupeds, the combination with a body portion and articulated front and hind legs jointed thereto, of a rod connecting each hind leg to a front leg, a main rotary shaft having oppositely arranged cranks, rods connecting the cranks to the hind legs for imparting opposite oscillating movement thereto, two secondary rotary shafts, means on the main and secondary shafts for successively and intermittently rotating the secondary shafts, controlling mechanisms for the articulated members of the legs, and means operated by the secondary shafts for actuating the controlling mechanisms.

1,638,333. FLUID-TESTING DEVICE. JOSEPH J. GROETKEN, Aurora, Ill. Filed Mar. 27, 1925. Serial No. 18,837. 4 Claims. (Cl. 137—18.)



1. A fluid testing device including a receptacle having openings in substantially the opposite ends thereof, a normally closed valve in position to close one of said openings, a tube of constricted diameter extending upwardly from the other opening, and an enlarged tube extending upwardly from substantially the top of said receptacle about the first-mentioned tube.

1,638,334. VEHICLE SIDE CURTAIN. MARK B. HARRIS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 14, 1924. Serial No. 686,083. 2 Claims. (Cl. 298—139.)

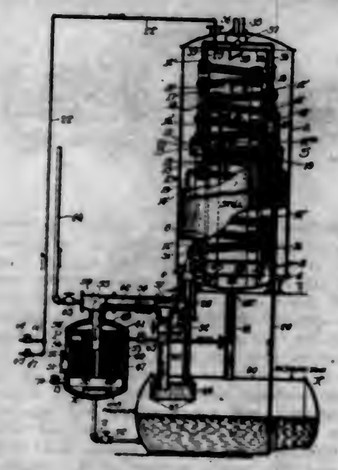


1. In combination with a vehicle body having a door, a curtain therefor having two lights, a U-shaped frame surrounding one of said lights, the legs of the frame supported by the door, one near the edge of the door removed from the hinge and the other at an intermediate position, the second light extending beyond the door hinge line whereby the curtain may be folded into small dimensions for storage without removing the U-shaped frame.

1,638,335. METHOD OF AND APPARATUS FOR CRACKING OIL. FRANCIS M. HUSE, Whiting, Ind. Filed Jan. 24, 1923. Serial No. 614,555. 22 Claims. (Cl. 196—62.)

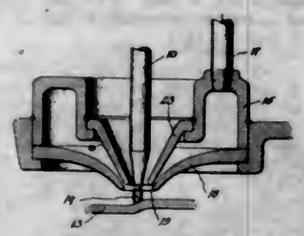
1. A process of cracking oil, which consists in distilling the oil in the form of a thin moving film under pressure in a still, simultaneously generating from the residual products of the distillation in a separate chamber a gas rich in hydrogen, and introducing said gas into the presence of the vapors of distillation.

9. In an apparatus for cracking oil, the combination of a pressure still, inclined heating plates in said still over which the oil flows progressively in a thin film a gas producer, means for supplying oil from said still to said producer for combustion in the latter, and means for



conducting the gas generated in said producer into said still and discharging it into the vapors of distillation in the latter.

1,638,336. ELECTRIC-ARC WELDING. HOWARD P. HIMES, Detroit, Mich., assignor of one-half to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 14, 1921. Serial No. 461,325. 9 Claims. (Cl. 219—8.)

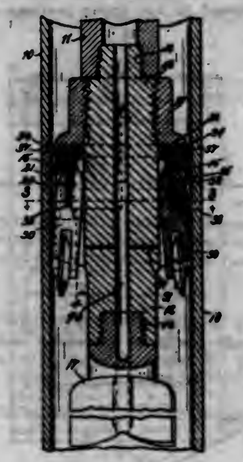


1. The process which comprises producing an electric arc between an electrode and a workpiece in circuit with the electrode and directing a gaseous medium against the arc from the sides thereof with sufficient force and in sufficient quantity to confine the application of the arc to an area and position determined by the movement of said medium.

1,638,337. ROTARY WELL DRILL. EDWARD S. HUTTON, Muskogee, Okla. Filed May 25, 1925. Serial No. 32,691. 3 Claims. (Cl. 255—74.)

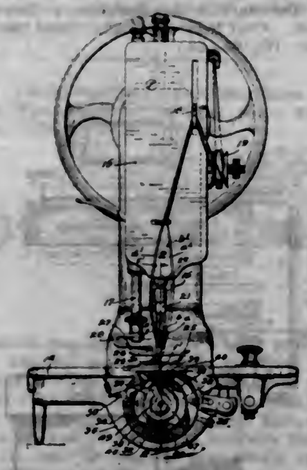
3. Rotary well drilling apparatus having a rotary body portion adapted to be introduced through a well pipe and having diametrically opposite vertical recesses with the upper portion of each recess enlarged at its sides so as to leave shoulders at the lower part thereof and a pair of vertical ribs at the outer portion thereof, a cutter holder in each recess with the uper end thereof provided with lateral extensions for fitting in the enlarged upper end of the recess and providing shoulders for engaging the shoulders and ribs in the walls of the recess to prevent the escape of the cutter holder and yet permit it to rock so that the lower end may move outwardly, a cutter on the lower end of the cutter holder, a contractile spring secured to the upper end of each cutter

holder and also secured in said body portion tending to withdraw the outer holder upward, the upper ends of the cutter holder and the adjacent wall of the body being



beveled so that they will cause the lower end of the cutter holder to move outward as the cutter holder is drawn upward, substantially as set forth.

1,638,338. MULTIPLE-NEEDLE HEMSTITCHING MECHANISM. HUGH A. JACOBS and CHARLES E. JACOBS, Minneapolis, Minn. Filed Jan. 27, 1923. Serial No. 615,229. 2 Claims. (Cl. 112—81.)



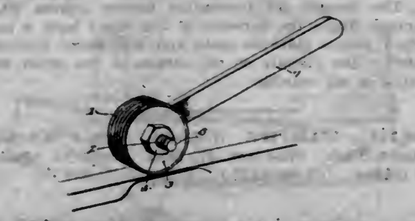
1. In a stitching mechanism, the combination with a multiple needle and means for reciprocating the same, said multiple needle including a piercer-acting member operative to produce openings for hemstitching, and needle-acting members operating to carry four threads and to throw two pairs of overlapping thread loops, of a pair of co-axial laterally spaced shuttles having hooks movable through the overlapped thread loops, lower thread-carrying bobbins associated with said shuttles and carrying lower threads around which the looped upper threads are arranged to be carried by the hooks of said shuttles.

1,638,339. SHOE. GEORGE F. JOHNSON, Endicott, N. Y. Filed Feb. 8, 1924. Serial No. 691,415. 3 Claims. (Cl. 36—30.)



1. A shoe of the character described comprising a sole, side pieces secured thereto and provided with forward extensions separated at the toe end of the shoe, a toe piece having one edge secured to the sole between said extensions and having a portion extending rearwardly in a position to be overlapped by the free edges of said side extensions, a tongue secured to the free end of said toe piece, and reenforcing leather strips secured to the lower edges of the side pieces and to the sole, and having their forward ends secured to said toe piece.

1,638,340. INKING ROLLER FOR TYPEWRITER RIBBONS. ALBERT H. KENNEDY, Rockport, Ind. Filed Feb. 21, 1924. Serial No. 694,361. 5 Claims. (Cl. 91—67.8.)



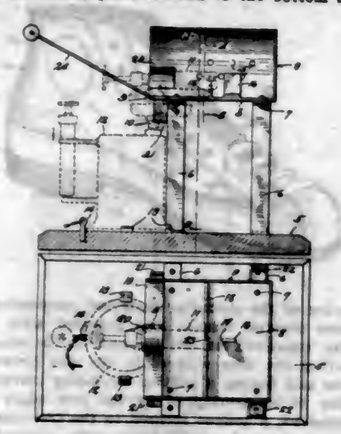
1. A re-inking device for typewriter ribbons and the like, comprising an inking roller of absorbent material, a self-contained ink reservoir formed therein, and clamping plates providing a closure for the reservoir and laterally adapted to expel ink therefrom.

5. A reinking device for typewriter ribbons and the like comprising a soft absorbent roller disk, a tubular hub carrying the disk, washer-like plates on opposite sides of the absorbent disk, an abutment on the hub for one of the plates, a nut on the other end of the hub abutting the other plate for squeezing the disk between the plates, thereby to regulate the flow of ink to the periphery thereof, a shaft projecting through the hub and a handle to which the shaft is secured substantially at right angles.

1,638,341. PORTABLE BLOWTORCH ATTACHMENT. CLELL S. KEPLER, Blairstown, Iowa, assignor of one-half to Rudolph D. Kimm, Blairstown, Iowa. Filed Aug. 2, 1926. Serial No. 126,781. 1 Claim. (Cl. 126—239.)

A heater including a base, supporting legs on the base, a burner housing secured to the supporting legs, said burner housing having a forward open end and having a plurality of openings formed therein to allow heat to pass therefrom, a transverse bar extending across the burner housing adjacent to the forward end thereof and in spaced relation with the bottom of the housing, said bar having a central offset portion curved to receive the burner of a blow torch, a rib within the housing and hav-

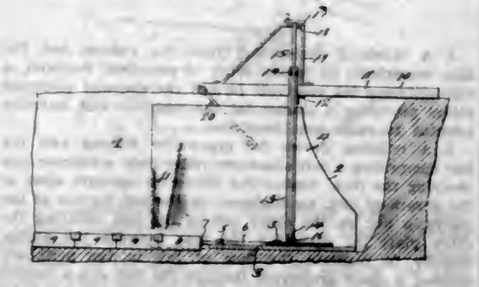
ing a cut out portion disposed centrally thereof and in alignment with the offset portion of the bar to receive the burner and hold the burner against lateral movement, a vertical dividing plate secured to the bottom and having one edge thereof arranged opposite to the cut out portion to divide the flame from the burner positioned in the housing, and means for securing a blow torch to the base.



1,638,342. PROCESS FOR INDURATING POROUS OBJECTS. JOHN J. KESSLER, St. Louis, Mo. Filed Aug. 28, 1925. Serial No. 53,212. 2 Claims. (Cl. 91—68.)

1. The process for indurating porous objects which comprises filling the porosity of the object with a polymerized phenol aldehyde resin and afterwards providing a surface film directly on the outside of the object with a spirit or oil varnish.

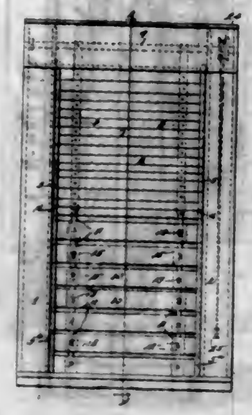
1,638,343. TILE-PIPE HOLDER. NIELS KNUDSEN, Ogden, Utah. Filed Apr. 27, 1926. Serial No. 104,940. 3 Claims. (Cl. 72—128.)



2. A pipe holding machine comprising a casing U-shaped in vertical transverse cross section and disposed within a ditch, a rack bar horizontally disposed and slidably mounted in the bottom of said casing, a pipe engaging member carried by one end of the rack bar, a horizontally disposed frame above the casing and connected thereto, an operating shaft extending downwardly into the casing and a pinion carried by the operating shaft and meshing with the rack bar.

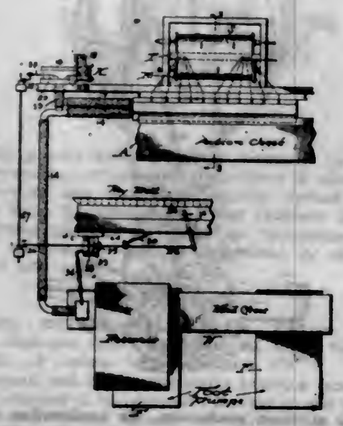
1,638,344. WINDOW SHUTTER. LOUIS KOCHER, Omaha, Nebr. Filed Apr. 23, 1923. Serial No. 633,999. 1 Claim. (Cl. 20—59.)

A slat window shutter comprising an upper section, a lower section, said upper section and lower section being slidably mounted in guides formed from channel members, said lower section having its slats linked together and maintained in the same plane, said guides having their lower ends hingedly mounted and movable to angular positions with the guides, said upper sections being normally disposed in the upper portions of the guides,



flexible connections between the slats of the upper section and the upper end of the lower section, a roller above the guides, said upper section being rollable onto the roller and limited in its upward movement by the upper end of the lower section.

1,638,345. PNEUMATIC ACTION FOR MUSICAL INSTRUMENTS. HUBERT J. LA JOIE, East Orange, N. J., and UBERT URQUHART, New York, N. Y., assignors to Auto Pneumatic Action Company, a Corporation of New York. Filed Sept. 14, 1922. Serial No. 588,254. 3 Claims. (Cl. 84—43.)



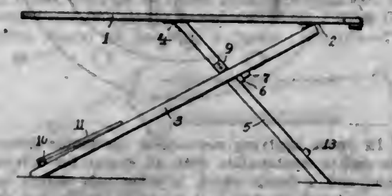
1. In a pneumatic action for musical instruments, the combination of the action operating pneumatics, tracker bar controlled valves for the pneumatics divided into sections, a high tension passage, an automatic governor consisting of a pneumatic, spring and valve, a governed tension passage, tracker bar controlled valves for connecting either the high tension or the governed tension to any section, a valve co-operating with the governor valve, and means operable by the player for adjusting this valve.

1,638,346. BATHTUB COVER. HARRY LEVY, Chicago, Ill. Filed May 4, 1927. Serial No. 188,784. 9 Claims. (Cl. 4—173.)



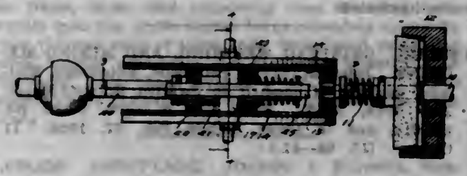
1. A cover for bathtubs comprising housings mounted on opposed sections of the bathtub rim, and sheets extensible from the respective housings to meet and cover the bathtub.

1,638,347. IRONING TABLE. GEORGE W. LEWIS, Berlin, Mass., assignor to George H. Blood, Marlboro, Mass. Filed May 28, 1924, Serial No. 716,374. Renewed Mar. 24, 1927. 3 Claims. (Cl. 68—10.)



1. An ironing table comprising a board, two pairs of legs hinged to said board, each pair having a cross bar disposed for engagement with the other when in operative position, one pair of legs being exterior to the other pair and a block attached to the outer surface of each of the inner legs and adapted to engage with an outer leg when the said cross bars are in engagement.

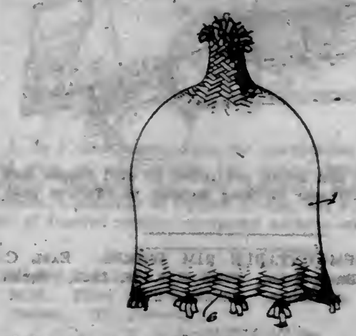
1,638,348. TRANSMISSION GEARING. LEON I. LEWIS, Midwest, Wyo. Filed Nov. 18, 1924. Serial No. 750,622. 1 Claim. (Cl. 74—58.)



Transmission gearing comprising a block provided with oppositely disposed bearings, disks journaled upon the bearings and provided upon their inner faces with concentric gear teeth, means for rotating the disks in reverse directions, a shaft, gear wheels mounted upon the shaft on opposite sides of the block and rotatable therewith, a sleeve on the shaft between the gear wheels, said sleeve being slidably mounted in said block, a spring normally holding one of the gear wheels in predetermined position and engaging one end of said sleeve, and means for positively moving the other gear wheel on the shaft in either direction.

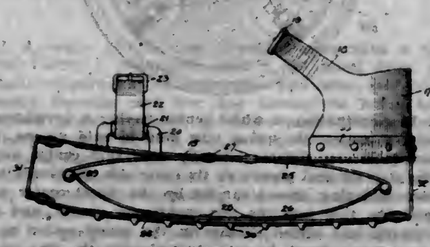
1,638,349. HAT. CLARENCE LIPPER, Philadelphia, Pa. Filed Sept. 3, 1925. Serial No. 54,359. 2 Claims. (Cl. 2—193.)

1. The process of making a lady's hat which comprises applying an adhesive coating on a stiffening hat frame while the latter fits a hat form, interlacing or braiding narrow fabric over the adhesive coating, applying pressure and heat simultaneously causing a binding of the fabric to the stiffening hat frame, tying the ends of the narrow fabric at circumferential spaced intervals about the rim, tucking said tied ends inwardly and securing them to the inner face of the rim, knotting together all



of the ends of the narrow fabric at the crown of the hat and drawing them inwardly through the stiffening hat frame and mashing them against its inner face, and then applying an inner lining adjacent the inner face of the stiffening hat frame.

1,638,350. JUMPING DEVICE. GEORGE H. LONG, Lankershim, Calif. Filed Aug. 23, 1926. Serial No. 130,999. 1 Claim. (Cl. 272—70.)

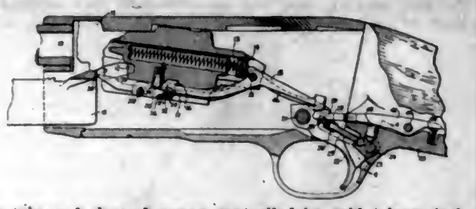


A jumping device comprising a foot receiving member constructed to provide a plate having the general outline of the foot and ribbed longitudinally to reinforce the plate against bending, an upstanding flange at the heel end of the plate, a heel saddle secured to the flange provided with forwardly extending straps adapted to embrace the instep of the foot, said straps provided with a buckle for securing the straps together, U shaped upstanding yokes at the sides of the plate adjacent its forward end, sleeves mounted on the yokes, straps secured to the sleeve, one of which is provided with a buckle by which the straps can be secured to each other in overlying relation to the toe portion of the foot, a base plate having depending protuberances on its under side, a full elliptical spring interposed between the plates and including an upper leaf secured to the medial portion of the first plate and a lower leaf secured to the medial portion of the lower leaf, the ends of the leaves having registering sleeves, bolts extending through the sleeves for securing the ends of the leaves to each other, and flexible straps secured to the ends of both plates for connecting the plates to each other and operating to limit the expansive movement of the spring yet yielding to permit contraction of the spring.

1,638,351. FIREARM. CRAWFORD C. LOOMIS, Ilion, N. Y., assignor to Remington Arms Company, Inc., a Corporation of Delaware. Filed Aug. 24, 1926. Serial No. 131,192. 18 Claims. (Cl. 42—70.)

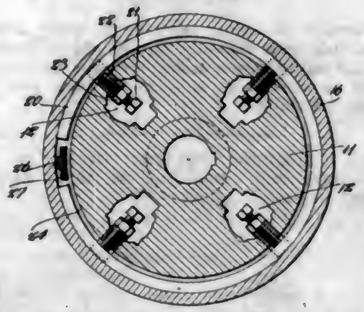
18. In a firearm comprising a firing mechanism, and a firing mechanism holding sear; a sear blocking member

adapted to prevent firing mechanism releasing movement of said sear, means tending to move said sear blocking member to ineffective position, a sear controlling trigger,



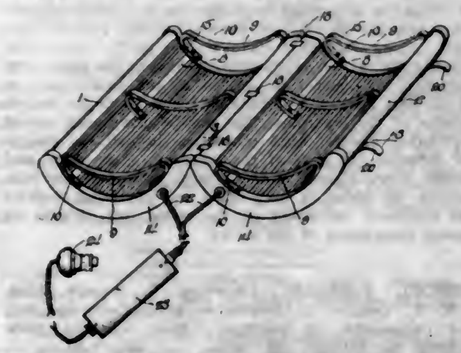
a trigger lock, and means controlled by said trigger lock for moving said sear blocking member to effective position.

1,638,352. DEMOUNTABLE-RIM WHEEL. EARL C. MALLETTE, Baskin, La. Filed Mar. 28, 1925. Serial No. 19,108. 3 Claims. (Cl. 301—27.)



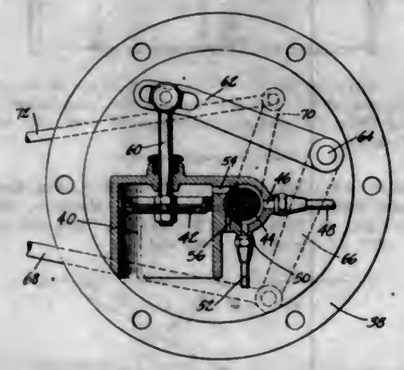
1. In combination, a wheel center having a peripheral groove, a contractile spring ring held in said groove, a demountable rim slidable laterally over said center and having a peripheral groove on its inner side positioned to receive said ring, means carried by the wheel center to expand the ring into the last mentioned groove, and a key fitting into alined notches in the wheel center and rim and into a break in said ring whereby the ring, the rim, and center are held against peripheral movement with respect to each other, said expansion ring and the peripheral groove in the rim co-acting throughout their extent to force the rim on the wheel center.

1,638,353. THERAPEUTIC APPLIANCE. ROLLAND H. MAXSON, Milton, Wis., assignor, by mesne assignments, to The Burdick Corporation, Milton, Wis., a Corporation of Delaware. Filed Jan. 19, 1923. Serial No. 613,608. 5 Claims. (Cl. 174—177.)



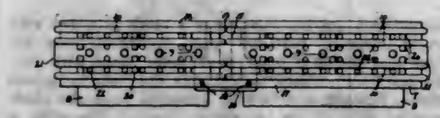
1. A therapeutic appliance comprising a pair of opaque reflecting surfaces arranged to form an acute angle between them, and means for heating the surfaces to cause them to emit and reflect radiant energy below the range of visibility.

1,638,354. MOTOR VEHICLE. MONTGOMERY W. MCCONERY, Ferndale, and FRED E. JONES, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 7, 1924. Serial No. 697,618. 4 Claims. (Cl. 188—152.)



2. In brake applying mechanism for motor driven vehicles and in combination with an engine for driving the vehicle, and a pump which is constantly driven by the engine and acts to force oil from the crank case thereof to various parts of the engine to be lubricated; a cylinder; a piston operating within said cylinder and which piston is operatively connected with brakes to be applied; a conduit leading from said pump to said cylinder; a passage leading from said cylinder to the crank case of the engine; and a manually operable valve adapted when in one position to place said conduit in communication with said cylinder and to interrupt flow through the passage aforesaid and to the parts of the engine to be lubricated, and when in another position to open said passage and to establish a communication between the conduit aforesaid and a second conduit leading to parts of the engine to be lubricated.

1,638,355. GRINDING, REFINING, AND MIXING MACHINE. JOHN MCINTYRE, Portobello, Edinburgh, Scotland, assignor of one-half to Swinfen Bramley-Moore, New York, N. Y. Filed Dec. 6, 1926, Serial No. 153,011, and in Great Britain Feb. 27, 1926. 11 Claims. (Cl. 83—11.)

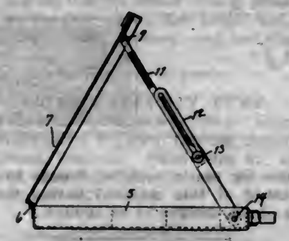


1. A grinding element comprising a blade, and spaced rods secured on the face thereof to contact with a grinding surface, said blade having apertures between said rods of the flow of material through said apertures.

1,638,356. ACTOR'S MAKE-UP KIT. CHARLES MCKASH, Hoquiam, Wash. Filed Oct. 21, 1925. Serial No. 63,953. 1 Claim. (Cl. 132—79.)

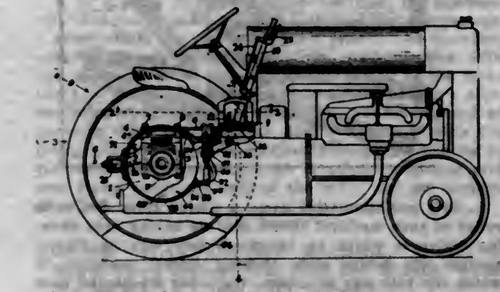
In a device of the character described, a box-like structure comprising a tray, a cover hingedly connected thereto, a mirror hinged to said cover, a brace pivotally secured at one end to said mirror and having its opposite

end pivotally mounted within said tray so that said mirror lies within said tray when the hinged cover is moved into contact with said tray, and a plurality of



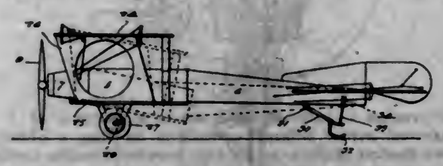
cosmetic holding compartments so positioned in said tray as to permit said mirror to lie within said tray without contacting the cosmetic holding compartments.

1,638,357. TRACTOR BRAKE. EMILE MEHLINE, Hollywood, Calif., assignor to Evans Brake & Supply Co., Los Angeles, Calif., a Corporation of California. Filed Oct. 20, 1924. Serial No. 744,760. 5 Claims. (Cl. 188—77.)



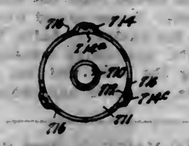
1. A tractor brake comprising blocks adapted to encircle and be clamped upon a rear axle housing having upper blocks connected to one of said blocks, extension arms extending forwardly from the tops of the upper blocks, means for rigidly connecting the arms to the tractor frame, brake band supporting arms extending backwardly from one of the blocks, horns extending outwardly from the rear ends of these arms, brake band supporting boxes loosely, adjustably and yieldingly mounted upon the horns, brake bands secured to the boxes, and means mounted upon the extension arms for operating the brake bands.

1,638,358. AEROPLANE. HERBERT J. MUNDELL, Summerville, Oreg. Filed Aug. 18, 1926. Serial No. 130,029. 3 Claims. (Cl. 244—30.)



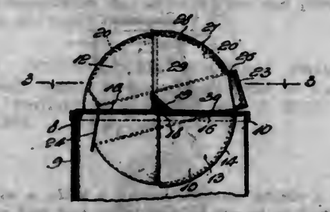
1. As a new article of manufacture for an aeroplane, a fuselage comprising an intermediate portion, a tail portion hingedly mounted at the lower rear portion of the intermediate portion, a nose portion hingedly mounted at the forward bottom portion of the intermediate portion, a link plate hingedly connected with the upper portions of the nose portion and tail portion, and means for swinging the tail portion in relation to the intermediate portion so that the nose portion simultaneously swings therewith.

1,638,359. FURNITURE LEG SLIDE. WILLIAM H. NOBLITING, Evansville, Ind., assignor to Faultless Caster Company, Evansville, Ind., a Corporation. Filed Aug. 15, 1925. Serial No. 50,429. 5 Claims. (Cl. 16—42.)



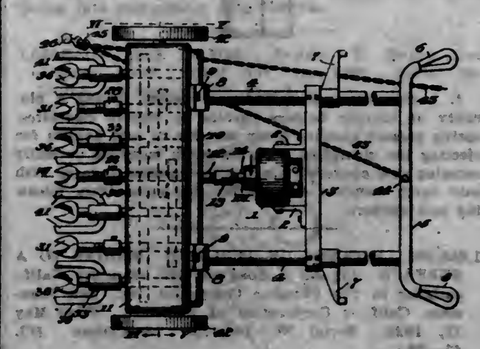
1. In a sheet metal slide, the combination of a marginal zone, a substantially flat central bearing zone of greater thickness than the marginal zone connected thereto, a plurality of tapered prongs, and a similar number of tapered wedges interposed between said prongs.

1,638,360. ASH-CAN COVER. CARL OLSON, Manistee, Mich. Filed Dec. 30, 1926. Serial No. 158,002. 2 Claims. (Cl. 220—32.)



1. A device of the class described comprising a can cover having a rectangular slot, a cylindrical drum rotatably supported at its center upon said cover, said drum passing through said slot and having its lower half disposed below the cover, an upper quadrant-shaped stationary hood secured to the cover over one end of the aforesaid slot, a lower quadrant-shaped stationary hood secured to the cover under the other end of said slot, each of said hoods comprising side walls contacting with the ends of the drum and a peripheral wall contacting with the periphery of said drum, a chute extending diametrically through said drum and declining from the upper to the lower side of the cover, and self-closing downwardly opening doors for the ends of said chute, said doors being carried by the chute.

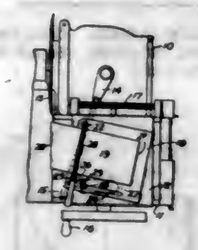
1,638,361. MINING MACHINE. NICOLA PEDULLA, Meyersdale, Pa. Filed July 18, 1923. Serial No. 652,342. 2 Claims. (Cl. 262—22.)



1. In a mining machine, the combination with a casing, of a main shaft journaled therein, auxiliary shafts arranged at opposite sides of said main shaft, gears on said shafts arranged in the casing and intermeshing with

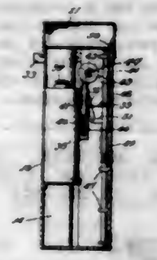
one another, whereby the rotation of the main shaft will cause the rotation of the auxiliary shafts alternately in opposite directions, a pair of sprockets on the main shaft within the casing, sprockets on the auxiliary shafts which are arranged second from the main shaft at each side thereof, sprocket chains passed over said sprockets to aid in driving the auxiliary shafts, boring tools carried by said shafts, and means connected to the main shaft for rotating the same and the auxiliary shafts through said gears, sprockets and chains.

1,638,362. SLICING MACHINE. IVOR GWYNNE PERRETT, Osterley, and FIENNES THOMAS LAMBERT, Clapham, London, England; said Perrett assignor to said Lambert. Filed Dec. 3, 1926, Serial No. 152,403, and in Great Britain Dec. 5, 1925. 12 Claims. (Cl. 146—102.)



1. In a slicing machine having a knife, a support for the product to be cut by said knife, and feed mechanism for advancing said support in relation to said knife, automatic means for varying periodically the angular position of the product in relation to said knife.

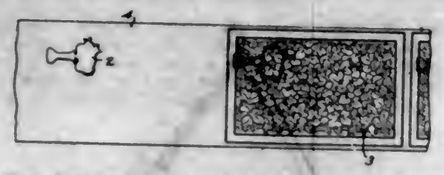
1,638,363. CIGARETTE CASE. THOMAS B. RISE and FRED W. WILLIAMS, Santa Maria, Calif. Filed Sept. 5, 1925. Serial No. 54,752. 9 Claims. (Cl. 211—8.)



1. A cigarette case including a casing having a plurality of tubular holders therein to receive cigarettes, spring pressed ejectors freely movable in said holders for ejecting the cigarettes, separate catch members normally securing said ejectors retracted, and means to coact with said catch members successively for successively releasing said ejectors.

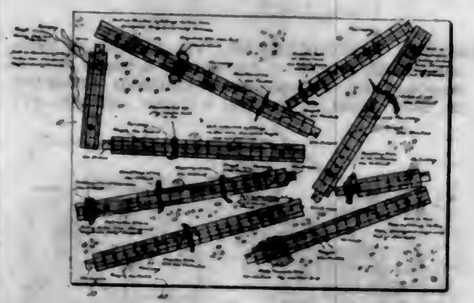
1,638,364. PROCESS OF APPLYING DESIGNS TO A SURFACE. LELAND S. ROSENBS, San Francisco, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed May 12, 1926. Serial No. 108,479. 13 Claims. (Cl. 41—29.)

1. The process of applying a design to the surface of a sheet, which comprises supporting the sheet in a continuous plane, placing a shield over an area on said surface, applying one portion of the design upon the surface and the shield, stripping the shield from the area, and applying another portion of the design to the area thus uncovered.



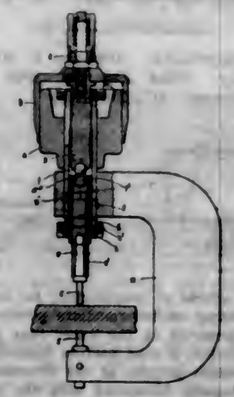
7. A device for use in applying designs to a rug comprising a shield of thin material having the configuration of one of the designs to be applied.

1,638,365. GOLF-SIMULATING GAME. THOMAS C. RYAN, Wilmington, Del. Filed Nov. 11, 1926. Serial No. 147,746. 3 Claims. (Cl. 273—87.)



1. In a golf simulating game, a course, three dice to be rolled at each mythical stroke, one die having data showing distances which an imaginary ball may be driven, another die having data showing lateral positions to which the ball may be driven, the other die having data showing premiums and penalties which may be given or exacted when the stroke has been made, said one die being one of a plurality of similar dice to be selected according to the point on the course from which the mythical stroke is to be made.

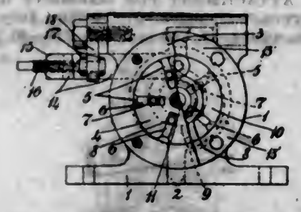
1,638,366. MICROMETER. HENRY SANDOZ, Tavannes, Switzerland. Filed Mar. 19, 1924, Serial No. 700,350, and in Switzerland Feb. 11, 1924. 1 Claim. (Cl. 33—164.)



In a micrometer gauge having a stationary and a movable jaw, in combination, a bracket, an internally threaded sleeve held fast thereby, a micrometer screw

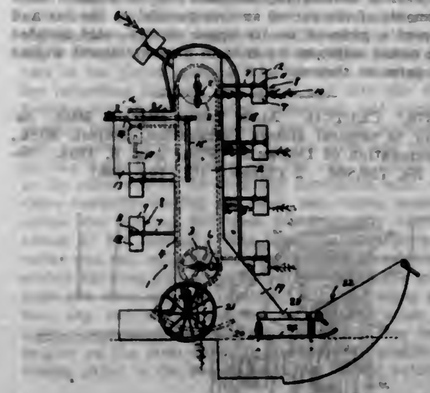
threaded in said sleeve, a graduated drum fixed to said screw, a jaw holder carrying said movable jaw and provided with a shoulder, said holder being fitted slidably into said sleeve, a ball interposed between the jaw holder and the micrometer screw and a pressure spring bearing on the shoulder of the jaw holder and capable of maintaining the contact between said ball and the jaw holder.

1,638,367. VARIABLE-CAPACITY PUMP. FRIEDRICH WILHELM SCHUBERT, Apperley Bridge, near Bradford, England, assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Filed June 21, 1926, Serial No. 117,534, and in Great Britain July 2, 1925. 3 Claims. (Cl. 103—38.)



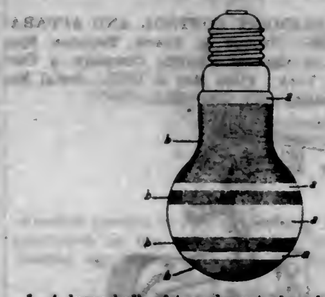
1. In a pump of the character described, the combination of a casing provided with inlet and outlet openings, a rotor within the casing having a plurality of chambers adapted to successively come into communication with the inlet and outlet openings of the casing as the rotor turns, a piston in each of said chambers having a stem extending radially of the rotor, cam plates arranged at opposite sides of the rotor and cooperating with the piston plungers to effect reciprocation of the pistons as the rotor turns, and means for rotatively adjusting said cam plates about the axis of the rotor, for the purpose described.

1,638,368. PLANT-SETTING MACHINE. GEORGE A. SHAW, Siloam Springs, Ark. Filed Aug. 3, 1926. Serial No. 126,870. 2 Claims. (Cl. 111—3.)



1. In a structure of the class described, a support including a pair of upstanding parallel plates, sprocket wheels mounted between said plates, a chain trained over said sprocket wheels, arms carried by and extending at right angles from said chain, plant-carrying devices mounted on the outer ends of the arms and including spring-closed jaws, wings extending outwardly from the side of said plates, spreaders between the wings cooperable with said spring closed jaws, additional spreaders between the lower portions of the plates, dirt packing wheels mounted on said lower portions, and a plow formed integral with said plates and located in advance of said wheels.

1,638,369. COLORED INCANDESCENT-LAMP BULB. FRANZ SKAUPY, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Apr. 7, 1925, Serial No. 21,329, and in Germany May 17, 1924. 3 Claims. (Cl. 176—16.)



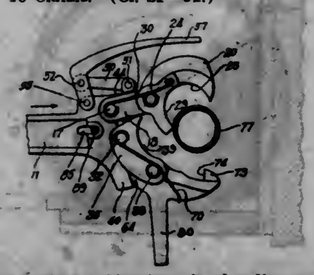
1. A lamp bulb of translucent glass having on a part of its surface a thin adherent coating of glass having a melting point lower than that of said glass and differing in color from the bulb.

1,638,370. CUSHION TIRE. WILLIAM J. SMALL, Port Townsend, Wash., assignor of one-half to Lucien E. Becker, Portland, Oreg. Filed June 1, 1925. Serial No. 34,090. 1 Claim. (Cl. 152—5.)



In a resilient tire, the combination with a tire casing, of an elastic core therefor, a rim receiving the extremities of said tire casing, means for mechanically applying pressure to the core to vary the resiliency thereof, said means comprising a transversely split circumferentially expanding ring of substantially W-shaped formation with its extremities fitting between the core material and said casing, the central portion of said ring being of tapering formation, a wedge-shaped ring element fitting within the confines of said central portion of the expanding ring, adjustable screws extending through said fully for engaging the wedge-shaped element and causing an outward deflection of the core expanding member, a tire engaging ring mounted on said adjusting devices and adapted to simultaneously urge the extremities of the tire casing into engagement with the rim.

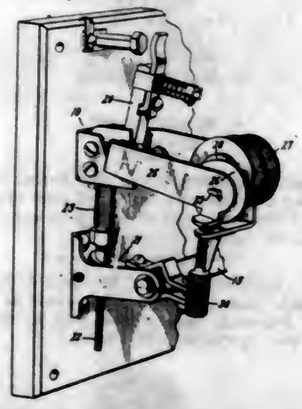
1,638,371. PIPE TONGS. SAMUEL T. SMITH, Los Angeles, Calif. Filed Nov. 19, 1925. Serial No. 70,011. 16 Claims. (Cl. 81—91.)



1. In tongs, the combination of a handle, a main jaw rigidly provided upon an end of said handle, a free jaw, link means connecting said free jaw to said main

jaw, a latch jaw, a latch-jaw support for connecting said latch jaw to said main jaw, and latching means whereby said latch jaw is latched to said free jaw when said jaws are in closed position.

1,638,372. TIME-ELEMENT CONTROL AND APPARATUS THEREFOR. GEORGE E. STACK, Ballston Spa, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 3, 1923. Serial No. 636,456. 11 Claims. (Cl. 200—97.)

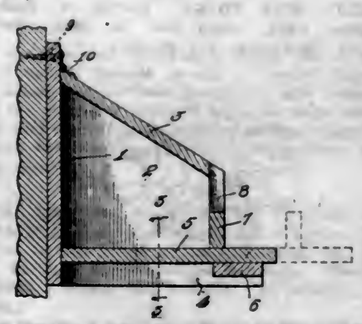


5. A time element device comprising a pivotally mounted control member which is urged to move in one direction about its pivot from one position to a second position, an electromagnet having an armature which is alternately attracted and released, and connection between the said armature and the said controlled member whereby the member and the armature move in a succession of step by step forward movements about the pivot of the member in accordance with the attraction and release of the armature to thereby introduce a substantial interval of time in the movement of the member to the said second position.

1,638,373. COMPOSITION FOR REMOVING SCALES FROM STEAM BOILERS. WILLIAM FRANKLIN STAFFORD, Hornersville, Mo. Filed July 20, 1926. Serial No. 123,804. 1 Claim. (Cl. 87—27.)

A composition for removing scales within a steam boiler consisting of lime, 1 qt., pulverized bluestone, ½ lb., cornstarch, ½ lb., and graphite, ½ lb.

1,638,374. NEST. OSCAR W. STRAWN, Forest, Ind. Filed May 5, 1926. Serial No. 106,936. 1 Claim. (Cl. 119—45.)



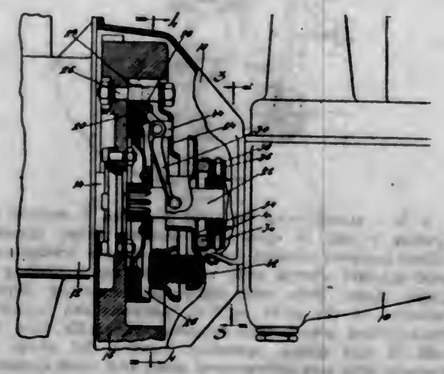
A nest of the class described comprising a back, a pair of side pieces connected with the back, said side pieces being of less length than the back and having their upper edges sloping downwardly and outwardly from the back, guiding pieces fastened to the inner faces of the side pieces at the lower edges thereof, a bottom piece resting upon the guiding pieces, a cross piece having its ends connected with the front ends of the guiding pieces and upon which the front of the bottom piece rests, said guiding pieces and the bottom piece being of greater length than the width of the side pieces so that the front end of the bottom piece forms a shelf, a front piece fastened to the bottom piece a distance from the front edge thereof, said front piece having an opening in its upper portion and a cover hinged to the projecting portion of the back and resting upon the sloping edges of the side pieces.

1,638,375. ATTACHMENT FOR GARMENT HANGERS. FRANK STUTZ, Washington, D. C. Filed July 27, 1925. Serial No. 46,434. 5 Claims. (Cl. 223—61.)



1. An attachment for garment hangers comprising an elongated member of sheet material having a weakened central area extending from end to end so that it may be bent about a line intermediate its longitudinal edges to provide a gently curved surface the elements of which are straight lines, said member being adapted to be positioned over a horizontally disposed bar or support with the elements of the curved surface parallel to the bar and to support a garment on its upper surface, said member having means adjacent its ends to prevent lateral sliding of the garment thereon.

1,638,376. CLUTCH. ALEX TAUB, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 8, 1924. Serial No. 730,866. 2 Claims. (Cl. 192—68.)



1. A clutch comprising, in combination, a flywheel, a support fixedly secured to the flywheel and axially spaced therefrom, a driven shaft coaxial with the flywheel, a clutch plate driving said shaft and arranged between the flywheel and support, a clutch ring between the plate and support which rotates with the flywheel but is axially movable, levers engaging the support and clutch ring to force the ring and clutch plate toward the flywheel to throw in the clutch, an axially-movable member operatively engaging the ends of the levers, a pedal-operated clutch release bearing engaging said member to force it in a direction to throw the clutch out when the pedal is depressed, and a plurality of symmetrically-arranged springs confined between the support and axially-movable member and urging them apart to throw the clutch in, said springs forming the driving connection between the support and said member.

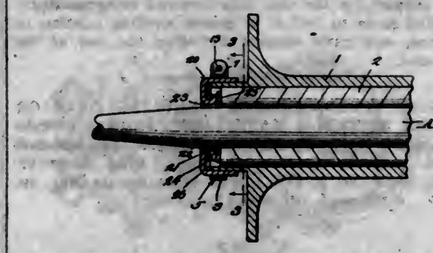
1,638,377. GREASE CUP. JOE JEWEL THORP, Breckwalker, Tex. Filed Jan. 18, 1926. Serial No. 82,100. 1 Claim. (Cl. 184—45.)



The combination with a grease cup having a valved outlet, and a cap detachably engaging the cup, of a tubular stem slidably and rotatably mounted within the cap, said stem having a longitudinal groove and superposed notches in its outer surface, the notches and groove being spaced, a piston mounted to slide within the cup having a recess for one end of the stem, there being an aperture in the piston opening into the stem, a tubular member extending through the piston and into the stem for holding the piston and stem assembled and providing a passage between the stem and the bottom portion of the cup, a coiled spring mounted on the stem and constantly bearing against the piston and the cap, a collar secured to the outer end of the stem and having an inlet, a check valve normally closing the inlet, said collar constituting means for shifting the stem longitudinally against the action of the spring, a ring upon the stem between the collar and cap, and a spring pressed key movable radially within the ring and normally seated within the groove to hold the stem against rotation, said key being movable into any one of the notches to hold the stem against sliding movement in either direction, the ring being rotatable on the stem to bring the key into position to be seated either in the groove or in one of the notches.

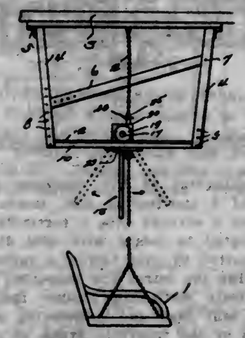
1,638,378. GREASE RETAINER. WILLIAM L. TRAUTNER, Milwaukee, Wis. Filed Apr. 16, 1925. Serial No. 23,597. 1 Claim. (Cl. 286—7.)

In combination with a vehicle axle, its housing and bearings supported within the housing, a bushing positioned on the axle and having a groove formed in its periphery, a cup member formed of flexible material fitted over one end of the housing and secured thereto, said cup member having an opening through which the axle and bushing extend, the portion of the cup member about the opening extending inwardly and radially outwardly defining a spring retainer, resting in the groove of the bushing, a washer positioned on the axle and engaging the bearings, said radially extended portion of the cup member contacting with the washer whereby the radially



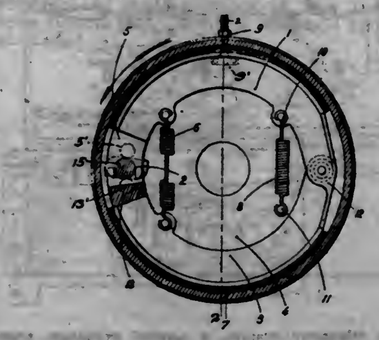
extended portion is held in position, and a coiled spring positioned in the spring retainer for holding the cup member into engagement with the bushing.

1,638,379. FAN. FREDRICK R. VORDERMARK and GEORGE VORDERMARK, Indianapolis, Ind. Filed Dec. 7, 1926. Serial No. 153,164. 9 Claims. (Cl. 230—1.)



1. A fan comprising a supporting frame, a shaft carrying the fan mounted for reciprocating movement in the frame, and means for translating the reciprocating movement of the shaft into rotating movement thereof to operate said fan.

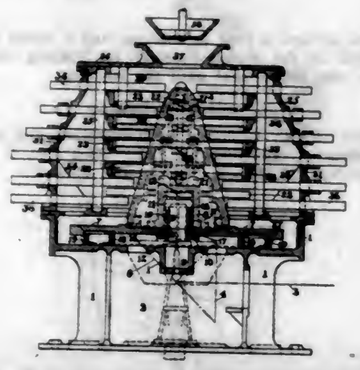
1,638,380. SHOE BRAKE. CHARLES WARNIER, Billancourt, France, assignor to Société des Aeroplanes Henri & Maurice Farman, Billancourt, France, a Corporation of France. Filed Feb. 9, 1921, Serial No. 443,556, and in France Feb. 19, 1920. 30 Claims. (Cl. 188—78.)



12. In a brake mechanism, including a rotatable member and a brake therefor, means for obtaining a self energizing action of the brake on said rotatable member,

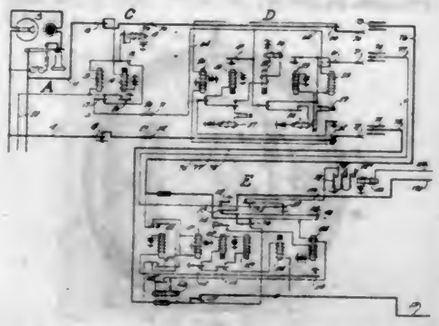
comprising at least two articulated brake shoes having at least one free end, a cam for acting on said free end to move the brake into engagement with said rotatable member, a support for the cam, said free end being guidingly supported so as to hold it in proper working relation to said cam, said guide support including the end of the other shoe.

1,638,381. APPARATUS FOR REDUCING ORES OR OTHER SUITABLE MATERIALS. FREDRIC EDWARD WHITHAM, deceased, Halifax, England, by Abraham Reed, executor, Halifax, England. Filed Mar. 17, 1926. Serial No. 95,481, and in Great Britain Mar. 19, 1925. 6 Claims. (Cl. 83—11.)



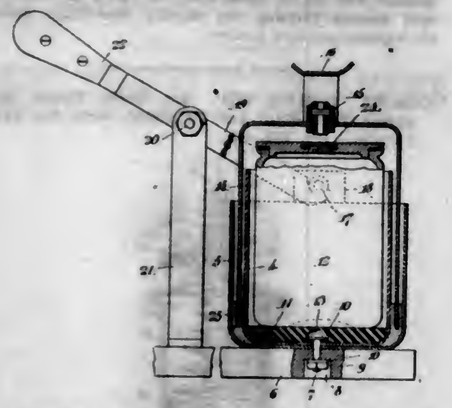
1. In an apparatus of the character described, the combination of a distributing disc, means for rotating said disc about a vertical axis, a turret-like body rising from and adapted to rotate with said disc, percussive members supported by said turret, a radially apertured cage surrounding the turret and supported independently thereof, relatively stationary breaker means extending radially into said cage and cooperating with the percussive means of the turret to break up pieces of material passing downward between the turret and cage onto the distributing disc, and means for delivering material to be treated into the upper end of the space between the turret and cage.

1,638,382. MULTIOFFICE TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 10, 1922. Serial No. 559,689. 21 Claims. (Cl. 179—27.)



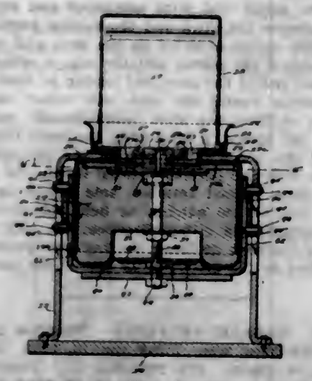
1. In a telephone system, a manual exchange, trunk lines terminating in cord circuits in said exchange, automatic subetations having access to said trunk lines for calling the subscribers in the manual exchange, a plurality of relay register sets for registering the telephone numbers of called manual stations, and an automatic switch for each of said cord circuits for connecting its associated cord circuit with an idle register set when the cord circuit is taken for use, and means for preselecting idle register sets ahead of the calls.

1,638,383. VACUUM-CREATING INSTRUMENT. FREDERICK V. WINTERS, New York, N. Y. Filed Feb. 9, 1925. Serial No. 8,073. 2 Claims. (Cl. 226—82.)



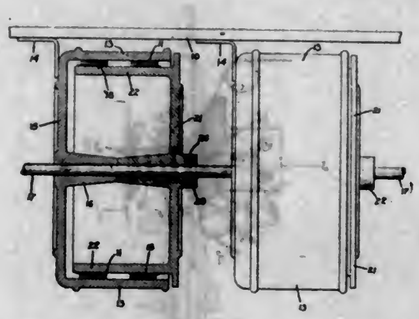
1. A vacuum creating device comprising an inner shell for enclosing a preserving jar, an outer shell surrounding said inner shell, defining a space therebetween adapted to be partly filled with a sealing fluid, and a dome inclosing said inner shell and adapted to be reciprocated in said space and normally having its lower edge submerged in said sealing fluid, the elevation of said dome operating to break the liquid seal when the bottom edge thereof is raised above the level of the fluid in the space between said dome and said outer shell.

1,638,384. VACUUM-CREATING DEVICE. FREDERICK V. WINTERS, New York, N. Y. Filed May 4, 1926. Serial No. 106,778. 6 Claims. (Cl. 226—82.)



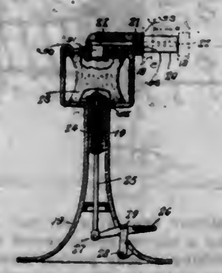
1. In a vacuum creating instrument, a supporting frame, a shell arranged within said frame, a reciprocatory member slidable within said shell, an elastic covering surrounding the sides of said shell, apertured means for clamping the upper portion of said shell and covering to said frame, a yoke embracing the bottom of said reciprocatory member, means for securing said yoke to said member and securing the lower end of said cylinder to said member and means for operating said member.

1,638,385. VARIABLE-INDUCTANCE COIL. STANFORD J. WOOD and HARRY A. GREENE, Jr., Monterey, Calif. Filed Nov. 22, 1924. Serial No. 751,494. 5 Claims. (Cl. 171—242.)



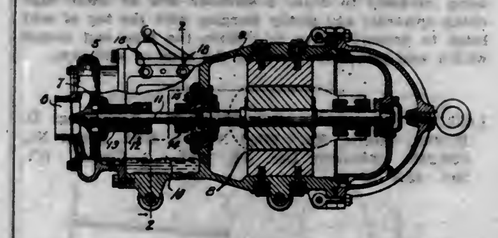
1. In combination, a pair of relatively movable coils, each of said coils being of loop form, two opposite sides of the loop corresponding to the periphery of a surface of revolution, these sides extending over a large angle of said surface, and displaced from each other along the axis of the surface so that the coils extend only a short axial distance as compared with the angular extent of the coil, the coils of the pair being placed on parallel surfaces of revolution so as to affect each other, and means for supporting the coils so that the coil axes form radii of the said surfaces of revolution.

1,638,386. METHOD FOR MAKING AND SETTING ONE-PIECE CAN LINERS. ARTHUR YANCEY, New Orleans, La. Original application filed Mar. 6, 1922, Serial No. 541,476. Divided and this application filed Oct. 13, 1922, Serial No. 594,394. Renewed Dec. 6, 1924. 2 Claims. (Cl. 93—36.)
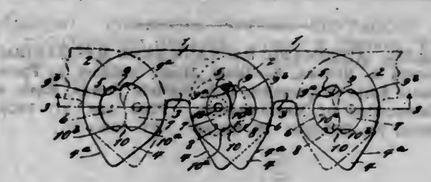


1. The method of making and setting one-piece liners in cans, comprising winding the liner around a form with the liner extending from the free end of the liner form towards the supported end thereof as far as the sum of the widths of those divisions of the said liner as required to line the top and cylindrical surface, or side, of a corresponding can, and extending from said free end thereof in opposite direction as far as the width of that division required to line the bottom of the said can, turning down a plurality of folds of the said liner upon the end of the liner form, telescoping the liner covered form with a corresponding can, jamming or crushing between the end of the liner form and the bottom of the can the ears or secondary flaps resulting from the curvilinear folds of the liner, thus molding the flaps and folds to the shape of the can, and then withdrawing the can with the liner set.

1,638,387. SUBMERSIBLE PUMP. JAMES EDWARD BALDWIN, Hempstead, N. Y. Filed Jan. 7, 1921, Serial No. 435,620. Renewed July 17, 1926. 3 Claims. (Cl. 103—87.)



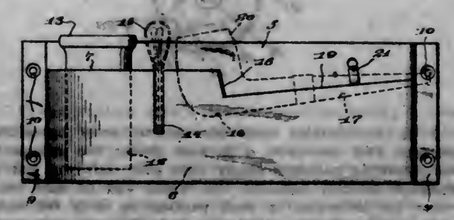
1. A submersible pump of the character described having a motor compartment and a pump casing in longitudinal alinement, a collection chamber located between the compartment and the casing, closed walls separating the chamber from the compartment and the casing, a packing mounted on each wall, a shaft extending through the packings, the collection chamber having a drainage opening leading therefrom, and a manually-operated closure for closing said opening and rendering the chamber completely closed before the pump is submerged.

1,638,388. POWER-TRANSMISSION CHAIN. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Company, Hartford, Conn., a Corporation of Connecticut. Original application filed Feb. 15, 1921, Serial No. 445,057. Divided and this application filed Jan. 28, 1924. Serial No. 688,944. 11 Claims. (Cl. 74—32.)



7. A transmission chain comprising link plates having overlapping ends with aligning openings, a single pin member extending through said openings, said pin and plates having cooperating ogee curves to form a joint.

1,638,389. SMOKER'S SET. RUDOLPH L. BLUMENTHAL, Flushing, and WILLIAM DUSCHNES, New York, N. Y. Filed July 25, 1925. Serial No. 46,028. 1 Claim. (Cl. 131—51.)



An article of the class described comprising a body portion having lateral extensions embodying means for securing said article in place, a horizontal ledge extend-

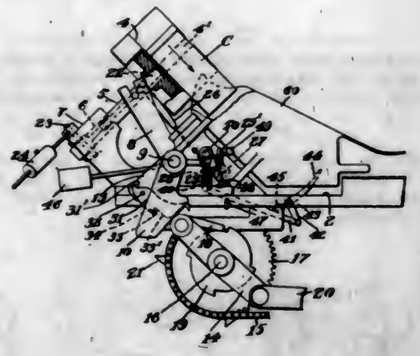
ing laterally from said body portion having its top surface cored to form a tapered rounded groove conforming substantially to the bowl and stem of a pipe, the side of the ledge adjacent the major diameter of said groove being cut-away to define a shoulder and an outer edge rising upwardly and finally merging with the top of said ledge to present access to remove the pipe and means within said groove for clasping the stem of said pipe.

1,638,390. HANDLE ATTACHMENT. FREDERICK D. BOWEN, Monett, Mo. Filed Nov. 1, 1922, Serial No. 598,283. Renewed Dec. 18, 1925. 1 Claim. (Cl. 306—25.)



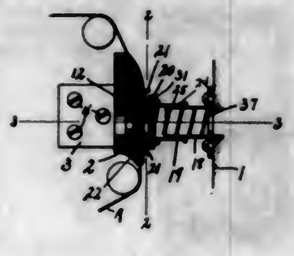
In a device of the character described, the combination with a shank, of a plate integral therewith and extending at right angles thereto, a plurality of studs projecting from one face of said plate, a lug integral with said shank and extending at right angles thereto and in spaced parallel relation to said plate, a tool element having apertures corresponding with and adapted to receive said studs, said tool element being received between said lug and plate and held in place by the said studs, and a set screw threaded thru said lug and engaging said tool element for holding the latter firmly in engagement with said plate.

1,638,391. AUTOMATIC PACKAGE-FEED MECHANISM. JAMES A. BUTLER, Needham, Mass., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1923. Serial No. 635,166. 20 Claims. (Cl. 198—21.)



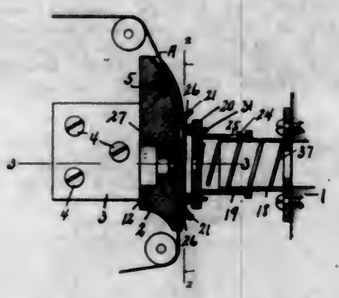
1. In combination with an intermittently operating package feed conveyor, a package feeder for automatically feeding packages singly onto said conveyor and a package detector adjacent the intake end of said conveyor for actuation by each package as it is fed onto said conveyor from said feeder and effective upon such actuation to prevent operation of said feeder until the package which actuated said detector has been advanced by said conveyor to a position of non-interference relative to said detector.

1,638,392. TALKING-MOVING-PICTURE MACHINE. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed Mar. 18, 1926. Serial No. 95,593. 10 Claims. (Cl. 179—100.1.)



1. A removable talking picture unit comprising a body portion, spaced longitudinally extending tracks elevated above the central portion of the body, one of said tracks formed with a recess, and a slit unit inset in said recess and having its contact surface substantially flush with the track.

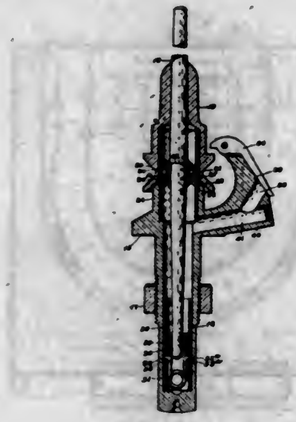
1,638,393. TALKING-PICTURE MACHINE. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory Incorporated, Auburn, N. Y., a Corporation of New York. Filed July 24, 1926. Serial No. 124,723. 2 Claims. (Cl. 179—100.1.)



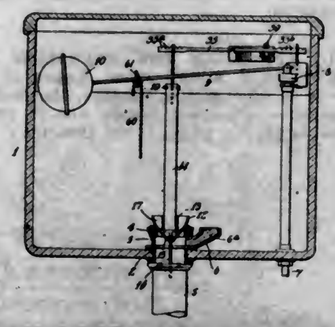
1. A talking picture apparatus for use in connection with a film having a narrow sound record near one edge of the film comprising a body portion having tracks at opposite sides upon which the film is adapted to ride, and a shoe for holding the film in contact with one of said tracks and having an elongated groove adapted to overlie the sound record portion of the film, a slit unit in the last-named track, and said shoe having an opening leading to the groove and registering with said slit unit.

1,638,394. SELF-OILING BALL-BEARING SPINDLE. FRED HILDRETH CHAPMAN, Pepperell, Mass., assignor to Acme Ball Bearing Spindle Company, Franklin, N. H., a Corporation of New Hampshire. Filed Nov. 15, 1924. Serial No. 750,212. 11 Claims. (Cl. 308—169.)

1. A spindle comprising a stationary supporting structure having a socket adapted to contain spindle oil, a rotatable spindle blade extending into said socket and supported therein, and a lateral ball bearing above the oil in the socket comprising a series of balls interposed between the blade and the supporting structure, the rotating and stationary parts above the balls being so close together and so constructed as to retain a sealing film of spindle oil in the space between them, preventing escape of oil from the chamber beneath when the spindle is in operation.

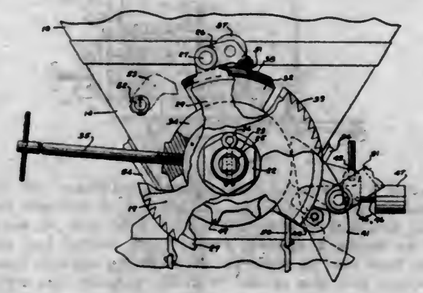


1,638,395. FLUSHING-VALVE MECHANISM. PHILIP HAAS, Dayton, Ohio. Filed Nov. 16, 1926. Serial No. 148,640. 9 Claims. (Cl. 4—67.)



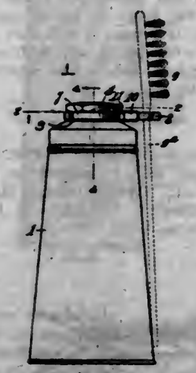
1. Flushing valve mechanism for a flush tank, provided with a flushing aperture and valve seat in its bottom wall, and an aperture in a vertical wall to receive a valve operating device, the combination with a sleeve supporting disc for engaging the outer face of the tank wall, provided with a recess extending into the aperture therein, and having an aperture in the bottom of the recess, a bearing sleeve adapted to extend through said aperture and having a head substantially fitting said recess, and means for securing said sleeve in fixed relation with the tank wall, a rock shaft extending through said sleeve, and provided at its outer end with an operating handle, having a hub portion engaging said disc in close proximity to the tank wall, and provided on its inner end with a lever engaging member, a pivoted lever supported within the tank in operative relation with said member, and a flushing valve suspended from said lever in operative relation with the valve seat.

1,638,396. FUEL-STOKING DEVICE. CORTICE H. HALL, Paterson, N. J., and WILLIAM LLOYD, Hazleton, Pa., assignors to Domestic Stoker Company, New York, N. Y., a Corporation of Delaware. Filed July 11, 1925. Serial No. 42,927. 8 Claims. (Cl. 74—54.)



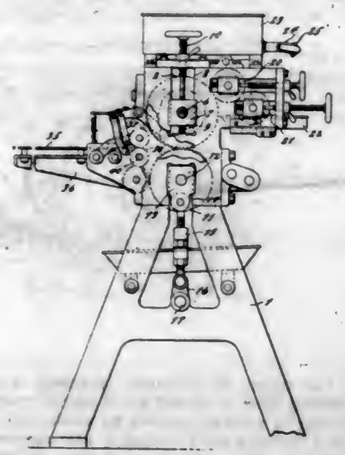
1. A fuel feeder for furnaces comprising, a fuel conveyor driving shaft, a ratchet wheel carried by the shaft, a pawl-carrying member mounted for oscillation about the shaft as a center, a pawl carried by said member for engagement with the teeth of the ratchet, means for oscillating said member to thereby intermittently rotate the ratchet and the shaft, a frangible connection between the ratchet wheel and the shaft and a sprocket wheel connected to the ratchet wheel for rotation therewith.

1,638,397. COMBINED POWDER CONTAINER AND TOOTHBRUSH HOLDER. ALBERT E. HENNEN, Wheeling, W. Va. Filed Mar. 17, 1926. Serial No. 95,503. 1 Claim. (Cl. 132—84.)



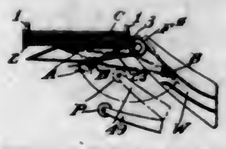
In combination with a powder container having a cover with a reduced neck and having a rotatable cap embracing said cover above said neck, said cover and said cap being provided with openings adapted to be brought into and out of registering relation by rotation of said cap, of a tooth brush support carried in fixed relation to said cap whereby rotation of the latter may be effected, said support projecting outward beyond the plane of a side wall of the container and comprising resilient clamping members between which a tooth brush handle is receivable.

1,638,398. MACHINE FOR FEEDING AND COATING METAL SHEETS. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed July 24, 1923. Serial No. 653,494. 1 Claim. (Cl. 271—53.)



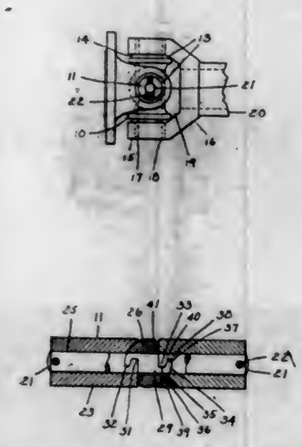
In a machine of the class described, a varnishing roll, an abutment roll, shafts supporting the rolls co-operating gears on the shafts, a feed roll mounted on a fixed axis, a co-operating movable feed roll, a movable frame rotatably supporting the movable feed roll, gears connecting the feed rolls to rotate in unison with the varnishing and abutment rolls, stops carried by arms connected to move simultaneously and arranged to be positioned in front of an advancing sheet at a point posterior to feed roll contact line, a lever, links connecting the lever to the movable feed roll frame and to the stops to simultaneously move the stops to active position when the movable feed roll is retracted and vice versa, and cam mechanism on the varnishing roll shaft arranged to actuate the lever in definite relation to movement of varnishing surfaces of the roll.

1,638,399. CARTON-FEEDING MACHINE. STANLEY R. HOWARD, Milton, Mass., assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1926. Serial No. 92,384. 19 Claims. (Cl. 93—53.)



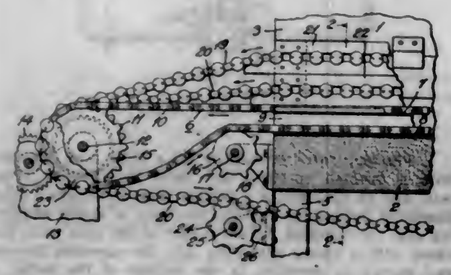
1. In combination, a support for a pack of collapsed cartons, and means constructed and arranged to enter the endmost carton of the pack and swing the front and side panels thereof into a position of opposite collapse, and a transfer member operating independently of said carton entering means and adapted to swing into engagement with said swinging carton to effect complete withdrawal thereof from the carton pack.

1,638,400. UNIVERSAL JOINT. GEORGE B. KIESLER, Hartford, Conn., assignor of one-third to Arthur J. Brodeur, West Hartford, Conn. Filed May 6, 1926. Serial No. 107,091. 8 Claims. (Cl. 64—102.)



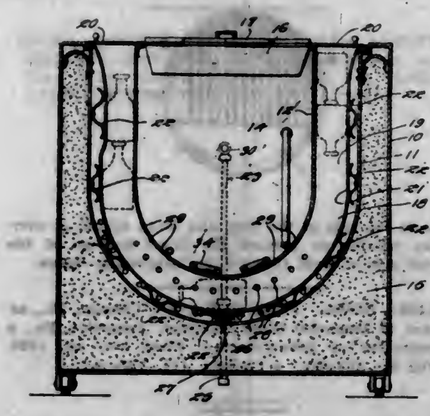
1. In a universal joint structure, a body having intersecting bores, bearing pin structures housed in said bores and projecting by their ends from said body, said pin structures comprising one long pin extending across the intersection of said bores and a pair of short pins that are opposed by their inner ends to said long pin, said inner ends and long pin being provided with interlocking means for preventing disconnection in the form of interengaging teeth, and means for locking said pins in the engaged position.

1,638,401. APPARATUS FOR ANNEALING GLASSWARE. OTTO C. KUHRT, Mount Vernon, N. Y., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Jan. 13, 1926. Serial No. 80,954. 2 Claims. (Cl. 198—162.)



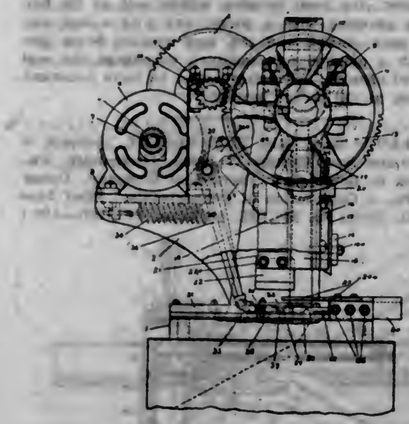
1. Apparatus for annealing glassware comprising a tunnel, a conveyor for transporting articles of glassware through said tunnel, a flexible metallic member extending along each side of said tunnel for preventing frictional engagement between the ware and the walls of the tunnel, guideways for providing lateral and vertical support for said members, and means for driving said conveyor and said members at the same linear speed.

1,638,402. SOFT-DRINK REFRIGERATOR. LANDO LOCKER and OSSIE M. FRAZIER, Hoisington, Kans. Filed Dec. 2, 1926. Serial No. 152,203. 3 Claims. (Cl. 62—34.)



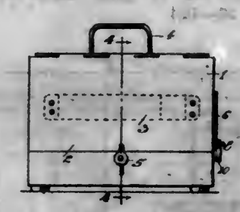
1. In a bottle refrigerator, a conduit through which the bottles may pass and means for refrigerating said conduit, said conduit including a flexible false wall and means yieldably urging said flexible false wall toward the opposite wall thereof.

1,638,403. SHEARING AND FORGING PRESS. JOHN LUCAS, Pittsburgh, Pa., assignor to Lewis Foundry & Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 22, 1925. Serial No. 45,203. 7 Claims. (Cl. 76—8.)



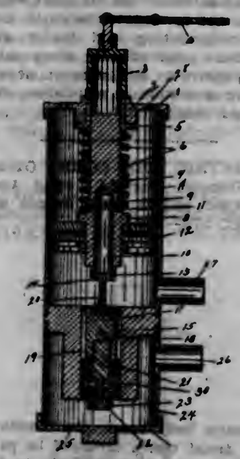
7. In a shearing and forging press the combination of cooperating pairs of shearing knives and forming dies, tongs for feeding blanks sheared by said knives to the forming dies, means arranged to project into the path of movement of the tongs for contacting a blank held thereby and discharging it therefrom; said tongs comprising a slidable jaw, a second pivotally mounted thereon, and yielding means for resisting movement of said pivoted jaw relative to said sliding jaw; movable means carrying the upper forming die and shearing knife of each pair, and means whereby the sliding jaw of said tongs is reciprocated by movement of the die and knife carrying means.

1,638,404. SAVINGS BANK. SAMUEL J. MIROSAV, Dallas, Tex. Filed Nov. 20, 1926. Serial No. 149,778. 4 Claims. (Cl. 232—4.)



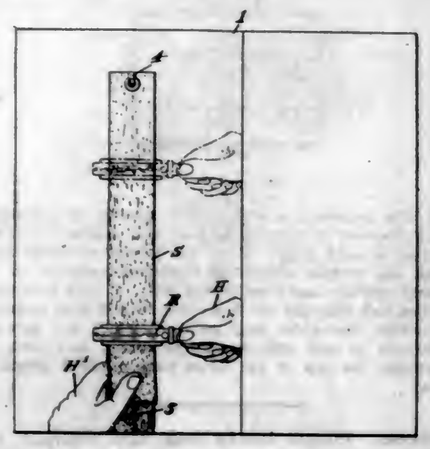
1. The combination with a wall member of a savings bank disposed in a recess in said wall member; a loose bottom in said bank; means for jointly retaining said bank and bottom comprising a member arranged to be passed through apertures in the walls of said bank and bottom and engaging the inner side of said wall member, a locking means for said member, and a key pivoted interiorly of said wall member to engage said bank to constrain the top of the latter from outward displacement.

1,638,405. PISTON VALVE FOR THE CONTROL OF FLUIDS. ROBERT E. MITTON, Salt Lake City, Utah. Filed July 3, 1926. Serial No. 120,346. 1 Claim. (Cl. 302—54.)



In a valve the combination of a casing, a cap on one end of said casing; a central opening in said cap and having a shoulder formed thereabout; a housing slidably operable in said opening; a shaft carried within said housing and connected with a piston carried in said casing; a spring around said shaft to regulate the movement of said piston; a central bore in said shaft and having ports in the side walls of said bore; a guide member in the other end of said casing; a guide carried in said guide member; a valve carried on one end of said guide and adapted to close the bore in said shaft when said piston is moved; a valve seat in the other end of said guide member; another valve secured to said guide and adapted to close the seat in the said guide member; a spring to hold the last mentioned valve normally seated; an air connection in said casing; another casing similar to the first mentioned casing having an air connection in one wall thereof; and a closure cap for the open end of said second mentioned casing.

1,638,406. DEMONSTRATING MACHINE. PRESTON W. MOWRY, Boston, Mass., assignor to The Nu-Idea Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Feb. 27, 1926. Serial No. 91,276. 6 Claims. (Cl. 35—16.)



1. In demonstrating apparatus, a relatively stationary strop, a razor blade holder spaced apart sufficiently from said strop so as not to contact therewith, and means for automatically reciprocating said holder alternately in opposite directions longitudinally along said strop and for rocking it relative to said strop at either extreme of its receprocating movement in simulation of the manual act of stropping a razor.

1,638,407. ELECTRIC BODY COMB. OTTO G. C. L. J. OVERBECK, Grimsby, England. Filed Apr. 30, 1925, Serial No. 26,981, and in Great Britain May 17, 1924. 2 Claims. (Cl. 174—173.)



1. In an electric body brush, the combination with a group of sheet metal combs arranged in parallel planes, of a handle projecting perpendicularly to the planes of the combs forming said group, said handle being provided with a longitudinal hole extending therethrough, a current-conducting rod extending through the longitudinal hole in said handle and electrically connected to said sheet metal combs, said current conducting rod being adapted at its outer end to be connected up with a source of electricity, and means carried by said current-conducting rod for binding said sheet metal combs together and uniting them to said handle.

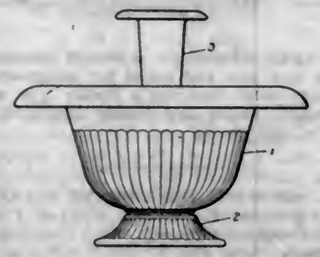
1,638,408. LIGHT-DEFLECTING ATTACHMENT FOR HEADLIGHTS OF MOTOR VEHICLES. WILLIAM H. RATNOUR, Sherrill, N. Y. Filed Mar. 18, 1926. Serial No. 95,592. 1 Claim. (Cl. 240—48.4.)

A light deflecting device for headlights comprising a ring adapted to fit into the open end of a lamp casing, a horizontal cross-member joining the edges of the ring in a plane below the axis of the ring and defining a substantial unobstructed circular segment of the ring, and a series of vertically disposed parallel vanes mounted on said cross member and extending upwardly to the periphery of the ring, said vanes being disposed at equal



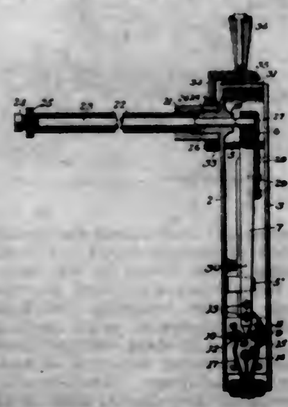
angles to the axis of the ring, and being spaced in overlapping relation to prevent the direct passage of the reflected rays of light through the intervening spaces.

1,638,409. BOWL. PETER G. RINKEN, Chicago, Ill., assignor to Jeannette Glass Company, Jeannette, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1926. Serial No. 154,935. 4 Claims. (Cl. 119—5.)



1. A bowl structure including a bowl member and a vase member, the bowl member within and at its bottom being provided with a pocket and with a seat surrounding such pocket, and the vase member being provided with a notched foot, adapted to engage the seat in the bowl member, and being seated to leave communication open to the pocket beneath.

1,638,410. ELECTRIC THERMOSTAT. GEORGE A. ROBERTSHAW and HOMER T. HOOD, Greensburg, Pa., assignors to Robertshaw Thermostat Company, Youngwood, Pa., a Corporation of Pennsylvania. Filed June 27, 1923. Serial No. 648,105. 4 Claims. (Cl. 200—139.)



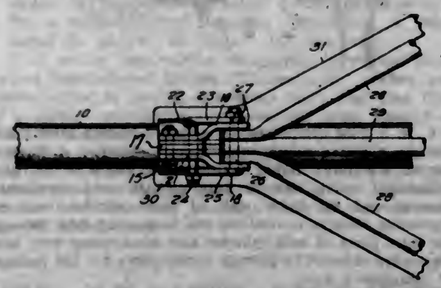
1. A thermostat, comprising electric switch means having a movable operating member, an expansible member, a revolving coupling member connecting one end of said expansible member to said switch means, a correcting device at the opposite end of said member, and a non-expansible member cooperating therewith for operating said movable operating member, substantially as described.

1,638,411. DEVICE FOR VERTICALLY ADJUSTING DRAPERY HANGERS. LULA H. ROBINSON, Dallas, Tex. Filed Nov. 28, 1925. Serial No. 71,903. 2 Claims. (Cl. 156—27.)



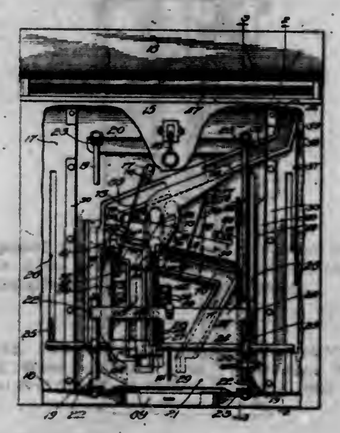
1. In a curtain and drapery hanger, a track having a roughened face, a slide on the track, a dog pivoted at one end to the slide and having a free end engageable with the roughened face of the track, a rod connected to the dog between the ends of the dog to operate same, a slidable hand-engaging catch connected to the rod and carried by the slide, a rigid projection on the slide adjacent to the catch and a coil spring between the projection and catch for tensioning the latter.

1,638,412. FLEXIBLE COUPLING. WILLIAM THOMAS SANDIFER, Jackson, Miss. Filed June 29, 1925. Serial No. 40,470. 4 Claims. (Cl. 280—33.15.)



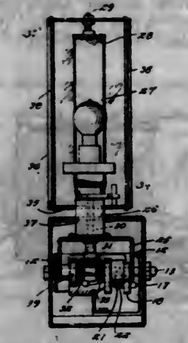
1. A flexible trailer coupling comprising a pair of side plates adapted to be secured on a coupling pole, flanges formed on the edges of said plates, spaced arms arranged on said flanges and extending in parallel relation from said plates, and a pivot member extending between the spaced ends of said arms for pivotal connection with the top brace bounds of a trailer.

1,638,413. COIN-OPERATED VENDING MACHINE. EDWARD SCHULTZ, Chicago, Ill., assignor to (Mrs.) E. A. Laughery, Chicago, Ill. Filed Dec. 6, 1924. Serial No. 754,249. 8 Claims. (Cl. 194—93.)



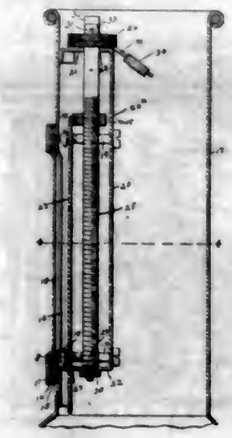
1. In a machine of the kind described, the combination of a downwardly inclined coin chute, means adjustable therein for stopping coins at a selected place within the chute, a swinging member to which the adjustable means is connected, a latch controlled carriage movably related to the coin chute, and spring actuated means extending from the swinging member to engage with the carriage when in its normal position of rest, said spring actuated means operating when the carriage is moved therefrom to shift the swinging member and adjustable means whereby the chute is cleared of coins, substantially as described.

1,638,414. AUTOMOBILE SIGNAL. EDWARD F. SEBESTA, Minneapolis, Minn. Filed June 16, 1926. Serial No. 116,420. 6 Claims. (Cl. 116—46.)



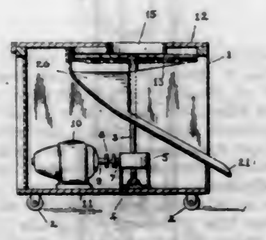
1. A signaling device comprising a signal arm capable of swinging in a vertical plane and axial rotative movements, and an operating means connected with the signal arm and movable in one direction to simultaneously rotate the arm, and to swing the arm from vertical to horizontal position, and movable in the other direction to swing the arm into a vertical position.

1,638,415. TEST MEASURE. GEORGE A. SEXTON, Winchester, Mass. Filed Nov. 26, 1926. Serial No. 150,831. 4 Claims. (Cl. 73—165.)



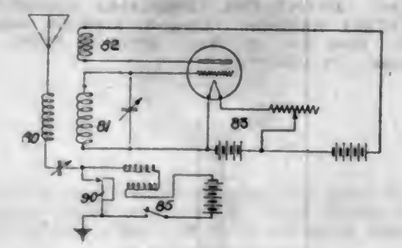
1. A test measure including a neck having a vertically elongated sight opening through which the surface of a charge of liquid in the measure is visible, a liquid-tight closure for said opening including a transparent pane covering the opening, and sealing means securing a marginal portion of the pane to the neck, and a registering structure within the neck, adapted to register the height of the charge, said structure including a guiding holder fixed to the neck, a gage guided in a vertical path by the holder and spaced by the latter from the sight opening, so that a portion of the surface of a charge of liquid in the measure is visible between the gage and the sight opening, and manually operable means adjustably supporting the gage on the holder and operable at the mouth of the neck to vary the height of the gage, means being provided for preventing unauthorized adjustment of the gage.

1,638,416. PORTABLE CABBAGE-CUTTING MACHINE. CHARLES E. SMITH, Geneva, and JACOB N. KARP, Farmingdale, N. Y. Filed Nov. 13, 1925. Serial No. 68,909. 9 Claims. (Cl. 146—124.)



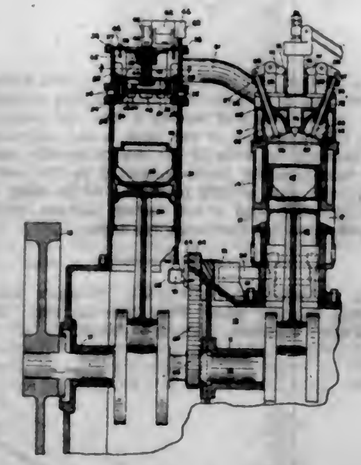
1. A kraut cutting machine, the combination of a casing, an upright shaft mounted therein, a top having one or more openings therein, a disc cutter mounted on said shaft and revolving under said openings, said openings being placed eccentric with the center of the disc, an inclined stationary delivery chute extending spirally under said openings and extending down to near the bottom of the casing and adapted to convey the cut cabbage by gravity from the cutter and discharge it outside the machine.

1,638,417. SHIP'S SIGNALING OR BROADCASTING DEVICE. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 6, 1923. Serial No. 673,210. 17 Claims. (Cl. 250—17.)



1. In combination, a dirigible craft having a course indicator, and automatic means governed thereby for periodically transmitting a wireless signal corresponding to the position of said indicator.

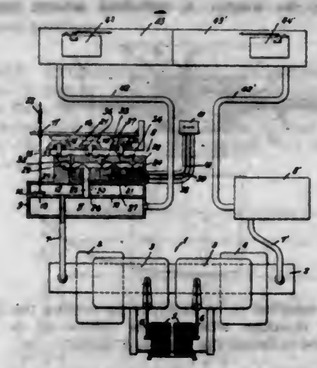
1,638,418. FLUID COMPRESSOR. FRANK B. STEARNS, Shaker Heights Village, Ohio. Filed May 24, 1924. Serial No. 715,538. 10 Claims. (Cl. 230—34.)



1. In a fluid compressor, a cylinder having inlet ports therein, a piston reciprocable in said cylinder, a stationary valve element within said cylinder, and a reciprocable cylindrical valve element intermediate said stationary element and the inner wall of said cylinder, said reciprocable element controlling the passage of fluid through the inlet ports in said cylinder and cooperating with said stationary element to provide outlet ports for the passage of compressed fluid.

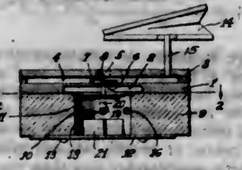
1,638,419. EQUALIZER FOR AUTOMATIC PLAYER PIANOS. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Filed June 1, 1923. Serial No. 642,746. 9 Claims. (Cl. 84—42.)

1. In an automatic musical instrument having the usual striker pneumatic and source of power, in combination, an action wind chest; a regulator; and equalizing means controlling the tension in said wind chest,



operative only when the tension therein falls below the lowest tension which the regulator is adjusted to maintain.

1,638,420. DUST-COLLECTING VALVE MECHANISM FOR PLAYER PIANOS. CHARLES F. STODDARD, New York, N. Y., assignor to American Piano Company, New York, N. Y., a Corporation of New Jersey. Filed June 1, 1923. Serial No. 642,747. 12 Claims. (Cl. 84—64.)



1. In a player piano, the combination with a tracker bar, tracker duct, and valve operated thereby, of a chamber interposed between said tracker bar and valve; means for admitting air thereto and imparting to the air thus admitted a circuitous motion in part of said chamber only.

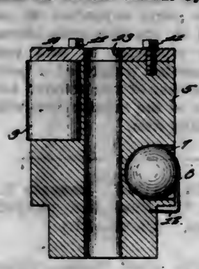
1,638,421. RUBBER COMPOSITION. ROY H. UHLINGER, Mount Lebanon Township, Allegheny County, Pa., assignor to Thermatomic Carbon Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 8, 1925. Serial No. 49,144. 19 Claims. (Cl. 106—23.)

5. A rubber composition comprising a rubber stock having incorporated therein "Thermatomic" carbon and characterized by having a stiffness much less than that of a rubber composition containing the same amount of common commercial carbon black.

19. The process of compounding rubber comprising the step of incorporating therein a finely divided carbon having rubber stiffening qualities and an oil absorption number both materially less than those of common commercial carbon black.

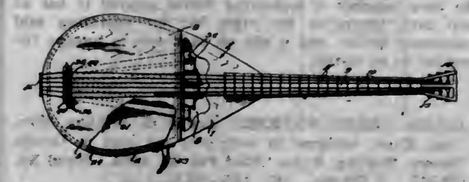
1,638,422. TUBE EXPANDER. JAMES WALKER, Elizabeth, N. J., assignor of one-fourth to Peter O. Donnell, Elizabeth, N. J. Filed Aug. 28, 1922. Serial No. 584,779. 1 Claim. (Cl. 153—81.)

In a tube expander, a body portion having elongated openings extending from one end thereof, the openings being circular in formation and having one of their respective walls cut away; rollers within the openings, a securing plate removably secured to one end of the body portion and contacting with the rollers to hold the rollers within the openings, said body portion having lateral openings, the lateral openings having cut away portions, balls positioned in the lateral openings, said balls



being passed through the cut away portions, the inner surfaces of the lateral openings being curved, and means for holding balls within the lateral openings.

1,638,423. STRINGED MUSICAL INSTRUMENT. JOHN NOAH WARD, Jackson, Tenn. Filed June 24, 1925. Serial No. 39,316. 4 Claims. (Cl. 84—296.)



1. A stringed musical instrument comprising a body including spaced front and back walls and a partition wall, a plurality of horns enclosed within the body and having their bell ends opening through the partition wall and the neck ends curving laterally and opening through the front wall, a diaphragm fitted to and closing the projecting neck of each of the horns, and musical strings stretched over the front of the body and exercising a perpendicular pressure upon the diaphragms of the respective horns.
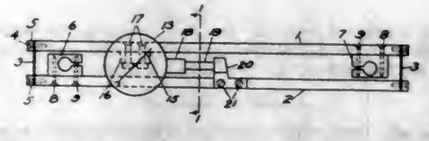
1,638,424. SOUND-RECORDING DEVICE. HARTWELL W. WEBB, Leonia, N. J. Filed Apr. 11, 1923. Serial No. 631,265. 3 Claims. (Cl. 274—13.)



1. In a sound recording device, a base member adapted to be placed in removable position adjacent the turntable of a phonograph, a vertical post carried by said base

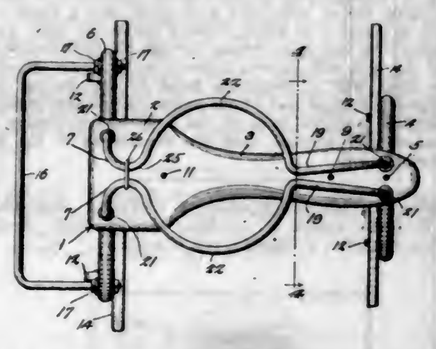
member, a tubular sound receiving arm pivotally supported at a point between its ends on said post, a sound box and a recording stylus carried by said tubular arm, the weight of the parts supported by said post being equally distributed on opposite sides thereof and a guiding arm pivotally supported by said post for vertical movement and connected thereto at a point spaced from the point of connection of the tubular arm to the post, whereby vibrations of the tubular arm will not be transmitted to the guiding arm.

1,638,425. STRAIN GAUGE. HERBERT L. WHITTEMORE, Washington, D. C. Filed Dec. 10, 1925. Serial No. 74,516. 4 Claims. (Cl. 73—51.)



1. A strain gauge comprising a rectangular frame formed of two parallel bars, spring means for securing the bars together, a measuring device secured to one of said bars, means on the other bar for operating said measuring device, and a pin on each bar to engage the member to be tested.

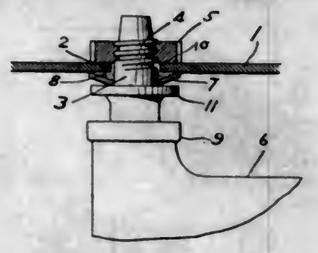
1,638,426. BABY WALKER. JAMES O. WILSON, Sterling, Kans., assignor of forty-nine per cent to George Brown, Sterling, Kans. Filed Feb. 15, 1926. Serial No. 88,377. 2 Claims. (Cl. 155—22.)



2. A vehicle of the class described, comprising a seat, front and rear members carried by the seat, a retaining device comprising oppositely bowed frames disposed above the seat and having depending ends extended downwardly through the seat and through the front and rear members, securing devices on the depending ends of the frames, casters on the front and rear members, and transverse supports secured to the front and rear members, the ends of the supports being located outwardly of the front and rear members, and above the plane defined by the casters, but closely adjacent to that plane, to prevent the vehicle from tipping over.

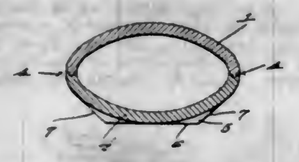
1,638,427. ELECTRIC STORAGE BATTERY. JOSEPH LESTER WOODBRIDGE, Philadelphia, Pa. Filed Nov. 4, 1926. Serial No. 146,109. 3 Claims. (Cl. 136—168.)

1. In combination a battery terminal post having a shoulder, a closure perforated to receive the terminal post above the shoulder, a cupped washer surrounding the post between the shoulder and the under side of the closure with its concave side towards the closure, and contained in the washer, a semi-fluid sealing material,



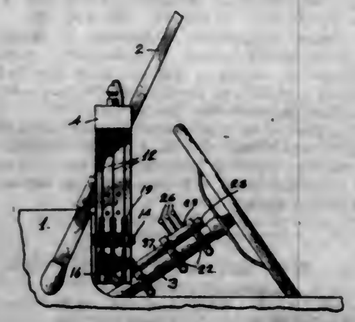
said washer adapted to be flattened by forcing the closure against the shoulder whereby the compound is forced into the space between the post and cover.

1,638,428. HIGHWAY CULVERT. HENRY LOUIS ZANDER, New Orleans, La. Filed Apr. 25, 1925. Serial No. 25,840. 1 Claim. (Cl. 72—52.)



In a culvert structure of substantially elliptical cross section having a horizontal major axis and formed of top and bottom half-sections, longitudinally spaced reinforcing ribs on the external surface of the bottom section, said ribs functioning additionally as weight elements to lower the center of gravity of said lower section and being of a length considerably less than the width of said lower section, the ends of the ribs being inclined downwardly and inwardly and the bottom edges being flat, and cooperating means between the meeting edges of said top and bottom half-sections to prevent relative transverse shifting of the top section on the bottom section.

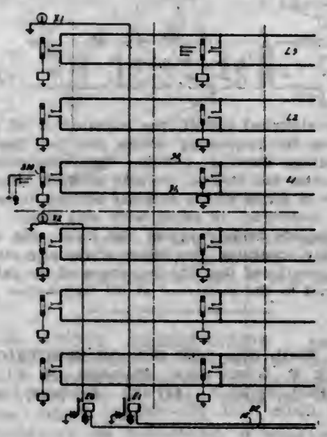
1,638,429. MOTOR-VEHICLE DIRECTION INDICATOR. ALFRED J. ALLARD, Eldridge, Calif. Filed July 2, 1924. Serial No. 723,797. 8 Claims. (Cl. 116—53.)



1. In a vehicle direction indicator, a plurality of nested actuating sleeves, each connected to a corresponding signal for actuating the same; a locking sleeve mounted around the actuating sleeves; operating levers connected to each sleeve and extending outwardly through slots formed in the surrounding sleeves for independently

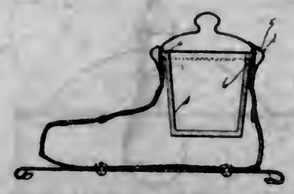
rotating said sleeves to actuate a desired signal; and means formed upon the locking sleeve to engage the operating levers, whereby the signal may be held in signaling position.

1,638,430. STRAIGHTFORWARD TRUNKING SYSTEM. RAND S. BAILEY, Montclair, N. J., and EDGAR P. BROE, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 18, 1924. Serial No. 738,488. 13 Claims. (Cl. 179—41.)



7. In a telephone system, a group of trunks, an operator's position at the incoming ends of said trunks, means responsive to the occupation of said operator's position for rendering said trunks available for use and a signal common to said trunks at the outgoing ends thereof responsive to said means.

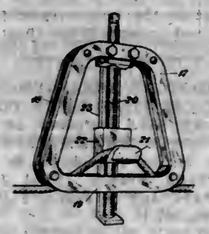
1,638,431. BABY-SHOE KEEPSAKE. FREDERICK T. BROSI, San Francisco, Calif., assignor, by direct and mesne assignments, to A. W. Higgins, trustee. Filed Jan. 20, 1925, Serial No. 3,587. Renewed Apr. 18, 1927. 1 Claim. (Cl. 206—20.)



A metallized baby shoe provided with means for incorporating therewith an element which will convert the shoe into a useful article, which means comprises a member adapted to be joined with and extended over the upper edge of the top of the shoe.

1,638,432. STRAND TIGHTENER. NEILSON D. CONNORS, Highland Park, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 26, 1922. Serial No. 597,185. 2 Claims. (Cl. 254—67.)

1. A tool of the class described, comprising a framework consisting of two side members, fixed in separated relation, each of said side members being of the shape of an inverted V with the bottom closed by a cross-bar; a roller at each of the lower corners of said framework designed to bear downward against a given length of strand; a threaded rod passing through the upper portion of said framework between the two side members and extending between the two cross-bars to a point below said cross-bars; and an internally threaded block designed to travel vertically on the threaded rod and carrying an upwardly pointed hook, said hook being designed to grip and pull upward and out of line a given length of strand upon actuation of said rod.

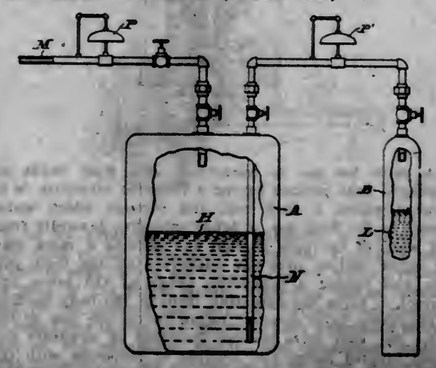


1,638,433. CARD GAME. ASA B. COPELAND, Denver, Colo. Filed Aug. 9, 1926. Serial No. 128,185. 2 Claims. (Cl. 273—152.)



1. A set of playing cards comprising a series of cards, each containing a number and a question, a card containing the answers to the questions and a challenge card.

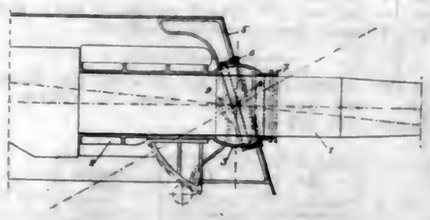
1,638,434. GAS APPARATUS. GEORGE O. CURME, Jr., and HAROLD E. THOMPSON, Clendenin, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed June 15, 1922. Serial No. 568,580. 2 Claims. (Cl. 48—190.)



1. In apparatus for producing fuel gas, in combination, a main; a receptacle; a passage joining the main with the receptacle; a valve arranged to open the pas-

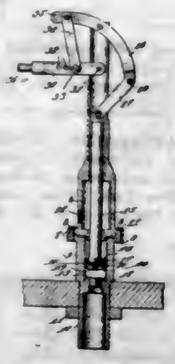
sage when the pressure in the main falls below a predetermined value; a second receptacle; a second passage joining the second receptacle with the first receptacle; and a second valve arranged to open the second passage when the pressure in the first receptacle falls below a second predetermined pressure lower than the first.

1,638,435. FLUID-TIGHT ARRANGEMENT FOR CANNON MOUNTED IN FLUID-TIGHT TURRETS UPON SUBMARINE VESSELS. ROBERT DE COURSKULLES, Paris, France, assignor to Societe Schneider & Cie., and Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Filed July 14, 1926, Serial No. 122,474, and in France July 15, 1925. 2 Claims. (Cl. 89—37.)



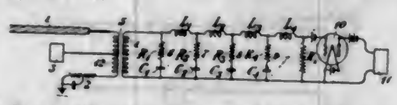
1. In an artillery installation for submarine vessels, a cannon tube, a cradle in which said tube is slidable, a turret and a circular socket in the said turret, a ball which is connected with the said cradle, trunnions for the cradle which are disposed externally to the ball according to a diameter of the latter, bearings for these trunnions internally projecting from the wall of the turret.

1,638,436. CLOSET VALVE. FRED C. DIEDRICH, Tacoma, Wash. Filed June 6, 1922. Serial No. 566,354. 1 Claim. (Cl. 137—104.)



A valve for use in connection with flush tanks including a body portion having a threaded extremity to be secured within a flush box, and through which water passes to the flush box, a flange extending inwardly from the walls of the body portion and defining a valve seat, an upper section normally supported on the body portion and having a depending flange at the lower end thereof, a valve rod operating through the body portion, a removable valve member supported on one end of the valve rod, said valve member including an upwardly disposed tapered flange and adapted to cooperate with the first mentioned tapered flange to prevent the passage of fluid through the body portion, and a downwardly disposed flange forming a part of the valve member, a cushioning member positioned within the downwardly disposed flange to move into engagement with the valve seat to restrict the passage of fluid through the body portion of the valve, and means for operating the valve.

1,638,437. ELECTRICAL NETWORK. DANFORTH K. GANNETT, Arverne, N. Y., and MACLEAN KIRKWOOD, East Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 27, 1920. Serial No. 376,996. 8 Claims. (Cl. 178—44.)



1. In an electrical circuit, the combination of a network, means for impressing across one end thereof a variable voltage wave, a receiving apparatus connected across the other end thereof, the said network comprising a resistance in series with a capacity bridged across said circuit, an inductance in series with said circuit and a second resistance bridged across the input side of the said receiving apparatus, the values of the said elements being so proportioned that the impedance of the said network is equal to the resistance at all frequencies.

1,638,438. TOOL FOR THE USE OF ELECTRICIANS. FREDERICK P. GOTTSCHALK, Plainfield, N. J. Filed Dec. 1, 1920, Serial No. 427,487. Renewed June 22, 1927. 1 Claim. (Cl. 175—183.)

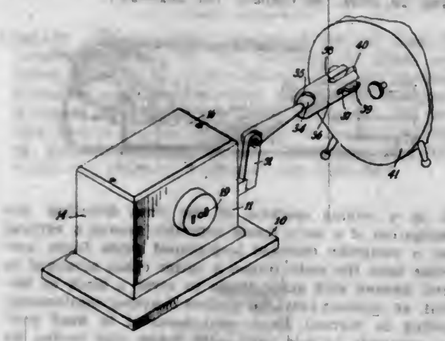


A hand-tool of the character described for the use of electricians, comprising a pair of pivoted together crossed bars affording handles at one end and jaws at the other end, forwardly projecting testing conductors mounted on said jaws and an electric lamp in circuit with said conductors, said conductors having laterally extending pins on their rear portions, and said jaws having sockets to detachably receive said pins.

1,638,439. CIRCUIT CLOSER. ARNO H. HOFFNER, Carlstadt, N. J. Filed June 8, 1926. Serial No. 114,390. 2 Claims. (Cl. 200—41.)

2. In the combination of an alarm clock and a circuit closer having a lever extending from said circuit closer, a balled head at the free end of said lever, means mounted on the alarm mechanism of said clock engageable with said balled head for holding said lever in raised position

comprising a slotted block, a hemispherical socket in said block normally receiving said balled end of said lever, said block when rotated 180 degrees being adapted to



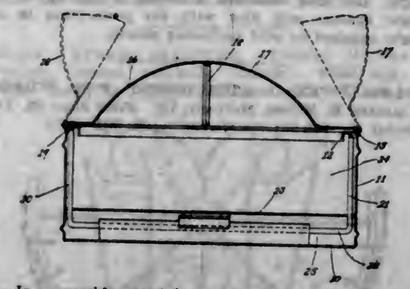
reverse the open portion of said socket and permit falling of said balled end of said lever to close a circuit, and means for adjusting the alignment of said lever.

1,638,440. WOOD PRESERVATION. ARTHUR M. HOWALD, Pittsburgh, Pa., assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 23, 1924. Serial No. 688,099. 9 Claims. (Cl. 99—12.)

1. Process for the preservation of wood which comprises impregnating the same with a super-emulsified liquid containing an oily preservative agent and an aqueous preservative agent.

9. As a new product a super-emulsified liquid containing an oily wood preserving agent dispersed in an aqueous wood preserving agent.

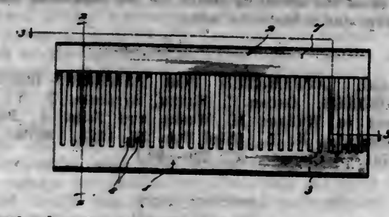
1,638,441. CUSPIDOR CONTAINER. FRANK HUSS, Elizabeth, N. J. Filed Nov. 5, 1926. Serial No. 146,300. 3 Claims. (Cl. 4—273.)



1. In a cuspidor container, a bottom and an encircling wall, a false bottom above the first-named bottom, hinged covers normally closing said container, a U-shaped member having a cross bar and vertical arms, said vertical arms being pivotally connected to said covers, and foot operated means for raising said connecting bar and opening said covers.

1,638,442. HAIR-WAVING DEVICE. IRVING JAYNE and ELLA R. RINKER, Davenport, Wash. Filed Sept. 30, 1926. Serial No. 138,730. 2 Claims. (Cl. 132—33.)

1. A device of the class described comprising a pair of separate companion comb members one including a back having a channel extending across its outer face and open at its bottom, the said comb members being over-



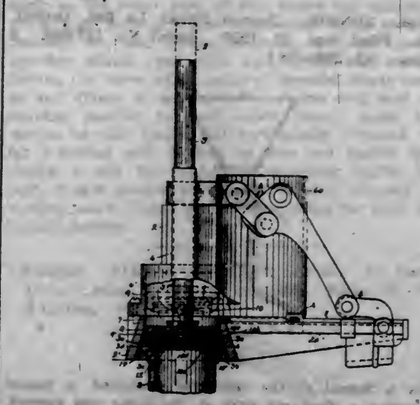
lapped when in use with their teeth extending in opposite directions and the ends of the teeth of one member fitting in the channel of the other member.

1,638,443. PERMANENT-WAVE DEVICE. CORA KADANE and ADA JOYCE, Wichita Falls, Tex. Filed May 27, 1926. Serial No. 111,976. 6 Claims. (Cl. 132—33.)



1. A hair waving unit including a substantially U shaped member one of the arms of which is smaller and shorter than its companion arm; a shell slidable over said smaller arm so as to be movable laterally with respect to said longer arm; a shaft interposed between said small arm and shell having means for engaging said shell; and means for rotating said shaft to force the shell outward to tighten the hair intwined about said arms.

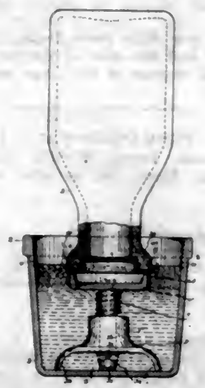
1,638,444. EXPANDER FOR BOTTLE CLOSURES. OSCAR C. KAYLE, Syracuse, N. Y., assignor to Wallace M. Weeks and John A. Pease, Skaneateles, N. Y. Filed Feb. 25, 1926. Serial No. 90,710. 3 Claims. (Cl. 226—86.)



1. In an expander for bottle closures, a plunger, a head fixed to the plunger for movement therewith and formed to seat on the part of the closure which overlies the head of the bottle mouth, expanding means, means fixed to the plunger and movable therewith to operate the expanding means, and means to limit downward movement of the expanding means, said expanding means being mounted on the plunger so as to move lengthwise of the plunger whereby upon operative movement of the plunger the expanding means is engaged with the bottle

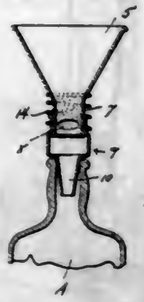
closure and supported thereby while the plunger is permitted to move independent of the expanding means so as to cause the operating means for the expanding means to engage and actuate the latter.

1,638,445. APPARATUS FOR SEALING BOTTLE CLOSURES. OSCAR C. KAVLE, Syracuse, N. Y., assignor to Wallace M. Weeks and John A. Pease, Skaneateles, N. Y. Filed Feb. 25, 1926. Serial No. 90,711. 6 Claims. (Cl. 226—80.)



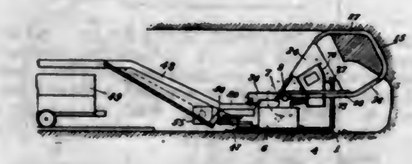
4. In an apparatus for sealing bottle closures, container means for holding liquid adhesive, means in the container means to engage the closure and cover the part of the closure which registers with the mouth of the bottle, and means for mounting one of said two first named means for movement relative to the other whereby to cause the bottle and its closure to engage with the adhesive below the surface of the latter so as to apply adhesive to the bottle and its closure.

1,638,446. FUNNEL. JOSEPH HENRY LE BEL, Detroit, Mich. Filed Sept. 25, 1926. Serial No. 137,680. 3 Claims. (Cl. 226—36.)



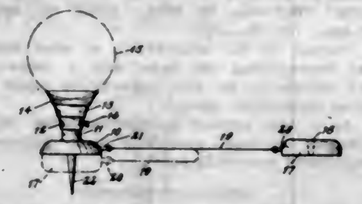
1. In a funnel of the character described, a funnel body having a discharge neck at the lower end thereof, said discharge neck being closed at its lower end and being provided with an opening at its side, a nipple for association with the neck of the funnel, said nipple being provided with a nozzle and an enlarged central area, the upper end of which is reduced for providing a neck, the neck of said funnel adapted for relatively tight fitting relation within the neck of the nipple and to close the opening in the neck of the funnel, when the funnel is raised with respect to said nipple, said enlarged area opening the funnel to the nipple, so that the material may discharge through the said nipple nozzle.

1,638,447. COAL-MINING APPARATUS. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Jan. 5, 1917, Serial No. 140,749. Renewed Aug. 29, 1924. 40 Claims. (Cl. 262—28.)



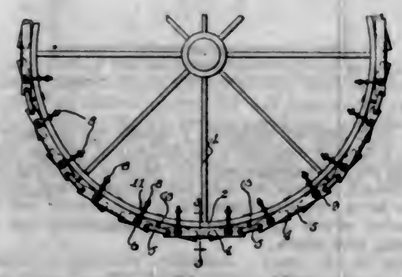
1. In a mining machine of the class described, the combination of a main frame, rotatable around a vertical axis, a vertically disposed loop-shaped guide frame projecting from the main frame, a cutter chain arranged to travel around said guide frame to sever a block of material, an outward extended endless conveyer continuously rotating in vertical planes and mounted in fixed position relatively to said loop guide frame, and having its inner end arranged behind the active part of the loop cutters, and means to rotate the main frame and cause engagement of the cutters with the coal.

1,638,448. GOLF TEE. DONALD L. MANSON, New York, N. Y., assignor to Mary A. Manson, New York, N. Y. Filed July 8, 1926. Serial No. 121,141. 4 Claims. (Cl. 273—33.)



1. Golf tee comprising a metal base-disk, a tee, a means for varying the distance of said tee from the ground, a perforated weight, a means for anchoring said tee in the ground, and a flexible connection between said weight and said base-disk allowing a folding of said weight against said disk with the perforation in said weight engaged by said anchoring means.

1,638,449. TREAD ATTACHMENT FOR WHEELS. CHARLES B. MOORE, Mattoon, Ill. Filed June 25, 1926. Serial No. 118,531. 3 Claims. (Cl. 301—40.)



2. A tread attachment for wheels comprising parallel series of flat blocks, links pivotally coupling the opposed ends of adjacent blocks in the respective series, the blocks and links being arranged to break joint, pivot members inserted transversely through the blocks near the ends thereof whereby to connect the blocks side by

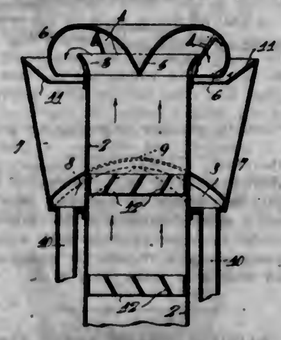
side, spacing elements disposed between the opposed edges of adjacent blocks, carrying devices pivotally engaged at their outer ends with the several blocks, and means for loosely retaining the said elements upon a wheel rim.

1,638,450. HEADLIGHT. SAMUEL MOORE and FRED O. SHEETS, Fairmont, W. Va., assignors, by direct and mesne assignments, of part interest to Daniel Scruggs, Clyde Morgan, Joseph Gorham, and Robert Thompson, Fairmont, W. Va., H. L. Kuhn, Shinnston, W. Va., said Fred O. Sheets, said Samuel Moore, and William M. Keener, Fairmont, W. Va. Filed July 30, 1926. Serial No. 125,993. 3 Claims. (Cl. 240—62.)



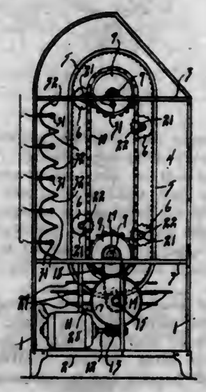
1. In a vehicle headlight, a pivotally mounted lamp, a sleeve forming part of the lamp stem and having slots in opposite sides opening downwardly through its lower end, a tubular standard pivotally mounted upon the chassis and having slots in opposite sides opening through its upper end, a rod having balls at opposite ends fitted within the said sleeve and standard and having trunnions entering the slots in the sides thereof, and an open helical spring within the standard yieldably supporting the rod and maintaining it in operative position.

1,638,451. SPARK ARRESTER. THOMAS M. NIXON, Victoria, British Columbia, Canada. Filed Apr. 2, 1926. Serial No. 99,828. 1 Claim. (Cl. 183—69.)



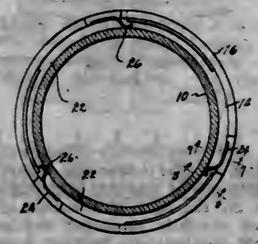
A spark arrester comprising the combination with the upper part of a smokestack having an outwardly flared mouth ring, a spark receiving vessel concentrically surrounding the upper part of the smokestack, the upper end of said vessel being at approximately the same level as the upper edge of the mouth ring and having a flange turned inwardly downwardly toward the smokestack to provide a restricted annular passage surrounding the mouth ring a distance below its upper edge, said receiving vessel having a bottom, spark take-off tubes entering said bottom at diametrically opposite sides thereof, said bottom having high points at diametrically opposite sides and sloping downwardly to each take-off tube, and a cap carried by the mouth ring, the central part of which cap is conical and projects downwardly into the center of the mouth ring and the outer part of which cap curves outwardly and then recurves downwardly and inwardly, the terminating edge being located in the restricted annular passage surrounding the mouth ring, the upper edge of said mouth ring being positioned approximately at the center of recurvature of the cap.

1,638,452. SELF-BASTING ROTARY ROASTER. ATHANASIOS PANAJIOTAROS and MORTIMER JONES, Fort Worth, Tex.; said Panajiotaros now by judicial change of name Tom Peters. Filed Dec. 7, 1925. Serial No. 73,649. 4 Claims. (Cl. 126—41.)



1. A roaster comprising a frame provided with cross-bars, a shaft in the upper part of said frame and a shaft in the lower part of said frame for causing relatively long vertical travel of material to be cooked and bearings for said shafts mounted on said cross-bars, sprocket wheels rigid with said shafts and means for driving the lower shaft, pairs of sprocket chains mounted on and driven by said sprocket wheels with said chains running parallel to each other, rotary meat holders carried by said chains and horizontally disposed, means for revolving said holders as they are moved by said chains, a pan for containing seasoning liquids in the path of said holders, and means disposed adjacent to the vertical travel of said holders for cooking the meat carried by said holders.

1,638,453. PISTON PACKING. JOHN F. PANYARD, Detroit, Mich. Filed Oct. 19, 1925. Serial No. 63,330. 3 Claims. (Cl. 74—109.)



1. In piston packing, a piston having a groove for packing, packing in said groove comprising a pair of ring

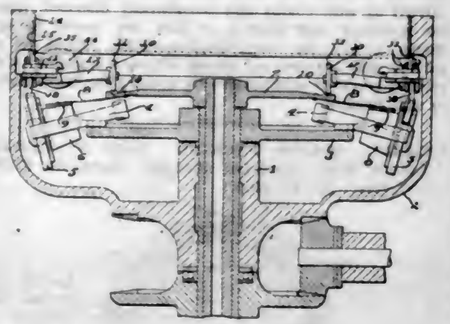
sections having helical meeting faces, one of said sections having a base flange extending underneath the second ring section, said base flange cut away at intervals, and spring members secured to the second ring section extending through the intervals in the base flange of the first ring section to engage the bottom of the groove in the piston.

1,638,454. GRIP. HENRY J. PAPIN, Grand Rapids, Mich. Filed June 28, 1926. Serial No. 118,989. 5 Claims. (Cl. 273—81.)



2. A grip for a hand implement having two series of grooves, one series being for the right hand and the other series being of uniform contour and for the left hand, said grooves being inclined relative to the longitudinal axis of the handle, and in opposite directions.

1,638,455. BRAIDING CARRIER. ANKER PETERSEN, Winthrop, Mass., assignor, by mesne assignments, to Zenith Thread Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 16, 1922. Serial No. 582,160. 10 Claims. (Cl. 96—13.)



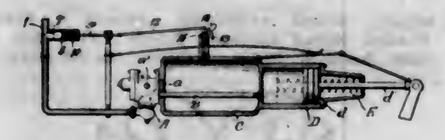
1. A braiding machine comprising a carrier having a frame, said frame being provided with vertically elongate bearing slots for the ends of a bobbin spindle, and a resiliently and pivotally supported member carried by the frame, said member being inclined to the horizontal and having its lower end disposed below the bobbin thereby constituting the sole support for the latter.

1,638,456. DISPENSING DEVICE. NORMAN C. PIKE, Seattle, Wash. Filed Jan. 31, 1927. Serial No. 165,008. 6 Claims. (Cl. 221—51.)



1. In apparatus of the character described, a vessel having an aperture in one end thereof and a tubular neck at its other end, means for closing said aperture, said means including a piston having a screw threaded stem adapted to extend through said aperture, and a nut taking upon said stem and bearing against the vessel, said stem being provided with a screw threaded socket, and a rod engageable within said socket for coupling the rod to the piston for operating the piston in said neck and for conveying the piston into and from its operative relation with respect to the apertured end of the vessel.

1,638,457. AUTOMATIC RELEASING VALVE FOR AIR-BRAKE SYSTEMS. LEONARD S. QUATES, Montgomery, Ala. Filed Sept. 19, 1923. Serial No. 663,605. 4 Claims. (Cl. 303—70.)

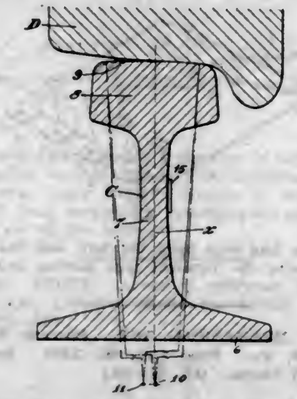


1. An automatic releasing valve for air brake systems comprising a reservoir and cylinder, a cross over pipe connected therewith, a triple valve connected with said pipe, a piston slidable in said cylinder, a brake beam connected with said piston, an extension pipe attached to said reservoir, a valve positioned at the outer end thereof, a relief cylinder in communication with said cross over pipe and means operable therein for opening said valve when desired when said brake beam is set.

1,638,458. RAILWAY-TRACK RAIL. ALBERT REESOR RAYNER, Beaver, Pa. Filed Nov. 21, 1925. Serial No. 70,494. 3 Claims. (Cl. 238—125.)

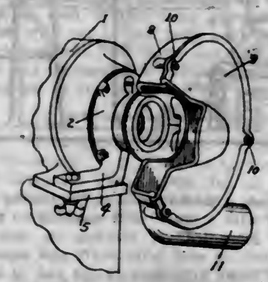
1. A T-head rail comprising a base flange and web, both of which are symmetrical about the vertical axis of the rail, and a head portion having its top surface curved on a radius struck from a point offset toward the outer

side of the rail from the vertical axis of the rail so as to locate the crown of the top surface of the rail to the outer side of the vertical axis and increase the vertical



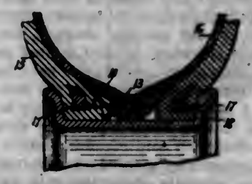
thickness of the rail head to the outer side of the vertical axis and also provide a greater bearing area between the car-wheels and the rail head.

1,638,459. GRINDING-WHEEL GUARD. EMIL RITZ, Mount Healthy, Ohio, assignor to The Hisey-Wolf Machine Company, a Partnership consisting of Walter J. Friedlander and Joseph A. Friedlander, Cincinnati, Ohio. Filed Oct. 23, 1924. Serial No. 745,506. 2 Claims. (Cl. 51—268.)



1. A safety guard the combination with a casing, with a shaft projecting therethrough and a grinding wheel mounted thereon, of a safety guard to enclose the wheel, comprising a back plate with a peripheral flange and an outer cover plate, and an attaching plate with means for securing same to the casing around the shaft, with the plate provided with parallel slots and bolts engaging in the slots to secure the guard thereto for adjustment of the guard with relation to the wheel.

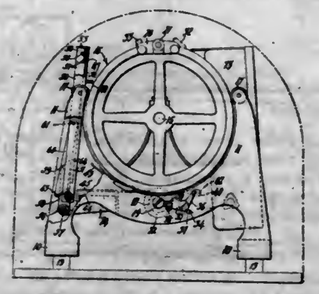
1,638,460. TIRE FLAP. GEORGE J. ROSSWORM and SAMSON HODGE SMITH, Cumberland, Md. Filed July 27, 1926. Serial No. 125,195. 7 Claims. (Cl. 152—20.)



6. A tire flap comprising a strip of relativley non-elastic material, and a strip of elastic contractile material fas-

tened near one end of the strip and to the strip at a point remote from the other end thereof so that the ends of the strip may overlap.

1,638,461. STENCILING MACHINE. EDWARD G. ROWLEY, Belleville, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed June 24, 1924, Serial No. 721,982. Divided and this application filed Dec. 26, 1925. Serial No. 77,867. 11 Claims. (Cl. 101—116.)



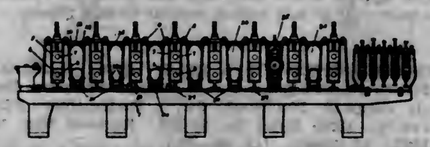
1. In a duplicating machine, the combination with a frame, a stencil cylinder revoluble therein, a pressure roll, and a paper-apron fixed in the frame to deliver sheets between the cylinder and roll, of a paper-table hinged in the frame to swing from the level of the apron to rest on the cylinder, and a toggle bracket to support the table when in its operative position, said bracket operating automatically when the table is raised or lowered.

1,638,462. BILL FOLD. FREDERICK E. RYAN, Danbury, Conn. Filed July 17, 1926. Serial No. 123,103. 1 Claim. (Cl. 150—38.)



A bill fold comprising a body member, a division tab secured to one side of said body in a position intermediate the ends thereof and extending transversely of said body whereby the bills may be folded at their mid length over the free edge of the tab, extend downwardly on opposite sides thereof and folded upon themselves at the base of said tab, the opposite portions of said body being foldable toward the opposite sides of said tab and one of said portions being of a length to fold over the free edge of said tab and the other free end of the body and the free ends of the bills, and coacting securing means carried by the opposite ends of the body.

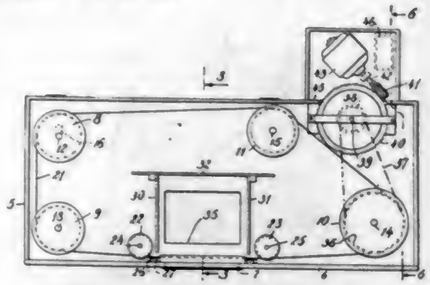
1,638,463. ROLLING MILL. THEODORE A. SCHRAISHUHN, Coraopolis, Pa., assignor to Lewis Foundry & Machine Company, a Corporation of Pennsylvania. Filed July 28, 1926. Serial No. 124,349. 11 Claims. (Cl. 153—54.)



1. In a forming mill the combination of a base, a pair of housings on said base, a pair of spindles, in said

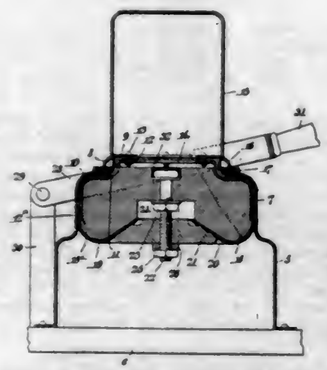
housings, a line shaft, a driving shaft connected with said line shaft, a double helical gear on said driving shaft, a gear on one spindle meshing with one section of the double helical gear, and gear connections for the other spindle comprising a member meshing with the other section of the double helical gear.

1,638,464. EXHIBITOR. HARRY V. VAN NUYS, Chicago, Ill. Filed June 11, 1925. Serial No. 36,434. 4 Claims. (Cl. 40—32.)



2. In an exhibitor, the combination of a cabinet having an aperture, means for advancing a translucent film bearing pictures to be exhibited past the aperture and means for resiliently supporting said film at the aperture, said means comprising a sheet of flexible material placed over said aperture and having an opening in alignment with said aperture, and having its ends turned back upon itself and said ends being secured to the wall of said cabinet whereby the sheet of flexible material is spaced from the wall of said cabinet.

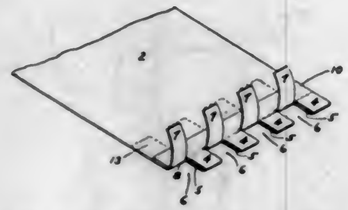
1,638,465. VACUUM-CREATING DEVICE. FREDERICK V. WINTERS, New York, N. Y. Filed Feb. 6, 1925. Serial No. 7,431. 6 Claims. (Cl. 226—82.)



1. In a vacuum creating instrument, a cylinder, a shell arranged within said cylinder, a sealing member having one end clamped between said cylinder and said shell, a piston slidable within said shell, and means for securing the other end of said sealing member to said piston.

1,638,466. SHEET-METAL BELT. REEVE H. BANKS, Pittsburgh, Pa., assignor to Pittsburgh Producers Supply Company, Pittsburgh, Pa., a Partnership. Filed Jan. 11, 1926. Serial No. 80,599. Renewed Mar. 17, 1927. 11 Claims. (Cl. 24—31.)

1. A sheet metal belt having its end slitted to provide a continuous terminal edge portion and alternating connecting loop members and free holding tongues, with the loop members bent back upon themselves and the terminal



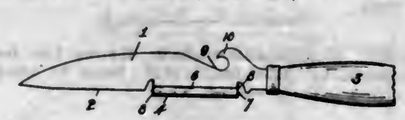
edge portion laid over upon the belt, and the tongues bent back over the terminal edge portion and secured to the belt.

1,638,467. MECHANICAL TOY. PHILLIP P. BARIE, Pittsburgh, Pa. Filed Oct. 30, 1925. Serial No. 65,753. 1 Claim. (Cl. 46—40.)



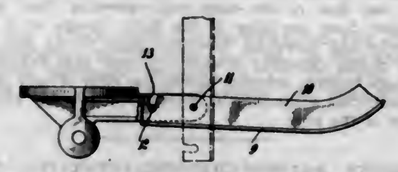
In combination, a mechanical toy comprising a base, a motor provided with a pinion and mounted on said base; a drive shaft journaled for rotation on said base; a driving gear fixed on said drive shaft and meshing with said pinion; a crank arm fixed to one end of said drive shaft; a derrick including a walking beam supported on said base; a connecting rod pivotally connected with said crank arm and with said walking beam for imparting an oscillatory movement to the latter; a small gear journaled for rotation and disposed at the top of the driving gear and meshing with the latter; a pulley fixed to said small gear to rotate therewith; a tower supporting a wind mill and mounted on said base; said windmill provided with a pulley; a belt operating on said first and last mentioned pulleys for imparting rotatory motion to said windmill; a pair of diametrically disposed, laterally extending pins fixed in said driving gear; a manikin chopper, including a jointed portion supported on said base; a pivotally mounted operating rod connecting with said manikin chopper and engaging with said pair of pins for intermittently imparting an upward movement to the jointed portion of said manikin chopper, and permitting of the downward movement of said jointed portion of the said manikin chopper by gravity; a gear suitably journaled for rotation and meshing with the rear end of said driving gear; a manikin sawyer, including a jointed portion, supported on said base; a pivotally mounted operating rod connecting with said manikin sawyer; and a connecting rod eccentrically pivoted to said rearwardly disposed gear and pivotally connected with said last mentioned operating rod for imparting a reciprocating movement to the said jointed portion of said manikin sawyer.

1,638,468. PARING AND SLICING KNIFE. JOSEPH BATTAINI, Toledo, Ohio. Filed Mar. 31, 1926. Serial No. 98,635. 2 Claims. (Cl. 30—20.)



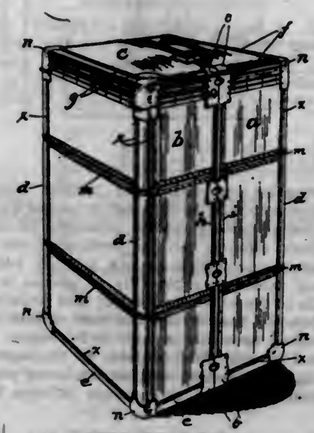
1. A paring knife having a plurality of rollers, one enclosed within another, adjacent to its cutting edge, said rollers being freely rotatable relative to the associated knife and being separable to determine the extent of permissible cut by the knife.

1,638,469. TRUCK. ANSON J. BENTLEY, Niles, Ohio. Filed Apr. 2, 1926. Serial No. 99,222. 4 Claims. (Cl. 280—114.)



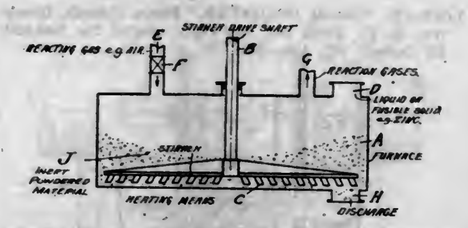
1. In a truck having a bolster and hounds, in combination, a tongue, and means to pivotally secure said tongue to said hounds comprising a pair of bolts passing therethrough, said tongue being provided with a slot cooperating with one of said bolts and a hole cooperating with the other bolt, said bolts and slot and hole being so spaced and arranged that pulling strain on said tongue is transmitted to the truck through both of said bolts.

1,638,470. WARDROBE TRUNK. CHARLES C. CALDWELL, Woodbury, N. J., assignor to The Belber Trunk & Bag Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1925. Serial No. 66,885. 1 Claim. (Cl. 190—37.)



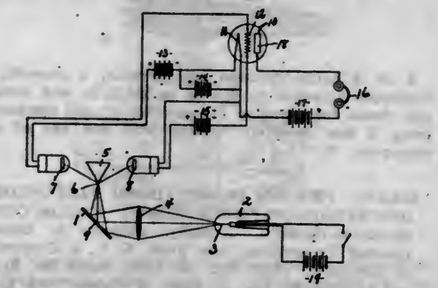
A trunk body having angularly disposed walls, an angular protective strip at the meeting edges of such walls, and a narrow metal reinforcing strip extending over and along each edge of the protective strip.

1,638,471. PROCESS OF REACTING METALS WITH GASES. HECTOR RUSSELL CARVETH, Niagara Falls, N. Y., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 9, 1923. Serial No. 623,901. 13 Claims. (Cl. 23—148.)



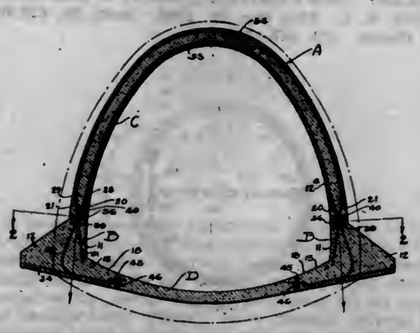
6. The process of oxidizing a metal which consists in mixing the molten metal with sufficient inert pulverulent material to maintain the mixture in a powdered condition at the reaction temperature and adding oxygen at such rate as to maintain a reaction temperature below the fusion point of said inert material.

1,638,472. TRANSLATING DEVICE. THEODORE WILLARD CASE, Auburn, N. Y., assignor to Case Research Laboratory, Inc., Auburn, N. Y., a Corporation of New York. Filed July 24, 1924. Serial No. 727,949. 16 Claims. (Cl. 178—88.)



1. In an apparatus of the class described, a source of light, a mirror for reflecting rays from said source, a prism in the path of said reflecting rays, means for receiving and translating rays reflected by the prism into signals including two light reactive cells, a space discharge device, and a translating device.

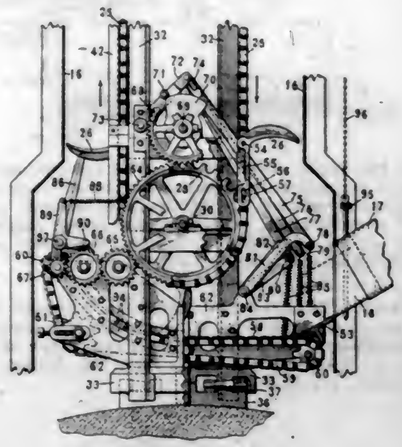
1,638,473. SEWER CONSTRUCTION. VICTOR H. COCHRANE, Tulsa, Okla. Filed June 18, 1925. Serial No. 38,045. 9 Claims. (Cl. 72—51.)



3. In a sewer construction the combination of abutments, an arch, reinforcing members embedded in said abutments and in said arch to hingedly connect the arch

to said abutments, and diaphragm members longitudinally extending along said abutments and arch embedded therein at opposite sides of each of the joint connections provided by said reinforcing members.

1,638,474. CARGO UNLOADER. SIMON COOPER, Brooklyn, N. Y. Filed Oct. 10, 1922. Serial No. 593,522. 21 Claims. (Cl. 198—26.)

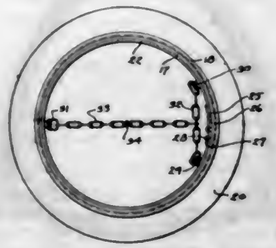


1. In a cargo unloader, an elevator, a plurality of conveyors arranged to deliver material to said elevator and means for changing the position of said elevator to bring it into receptive relation with any one of such conveyors.

1,638,475. PROCESS OF OBTAINING FAST-COLORED DISCHARGES ON FAST DYEINGS. WILLIAM COTTON, Hochst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 16, 1926, Serial No. 81,831, and in Germany Jan. 19, 1925. 2 Claims. (Cl. 8—5.)

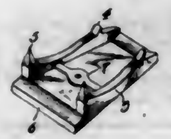
1. Process of obtaining fast colored discharges on fast dyeings by using such vat dyestuffs for the dyeings to be discharged as are destroyed by reducing agents with the addition of the calcium salt of the disulfonic acid obtained by sulfonating dimethylphenyl benzyl ammonium chloride, and by using for the colored discharges such vat dyestuffs as sufficiently withstand the said discharging agents.

1,638,476. TIRE REMOVER. CHARLES J. DALTON, New York, N. Y. Filed Mar. 29, 1923. Serial No. 628,474. 3 Claims. (Cl. 157—11.)



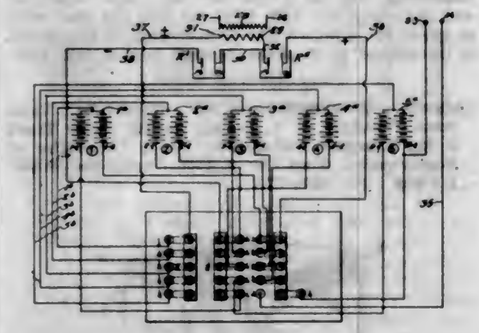
1. In a device for removing tires from wheels, in combination, two metallic rings of unequal circumference one of said rings being split, said split ring provided with a plurality of brackets, cables attached to said brackets, means for applying a lifting force to one of said cables, whereby said split ring may be simultaneously contracted and lifted.

1,638,477. GANGBOARD CLEAT. GROVER LEE DYER, Richmond, Va. Filed Apr. 7, 1926. Serial No. 100,416. 2 Claims. (Cl. 85—18.)



1. In a gang plank cleat, a flat body, spaced flanges on one face of the body and extending from points spaced from one edge of the body, prongs at a rearwardly and forwardly extending angle to the flat body, the prongs extending downwardly from said flanges, the prongs forming gripping means, the ends of said flanges constituting abutments in conjunction with the adjacent part of the body.

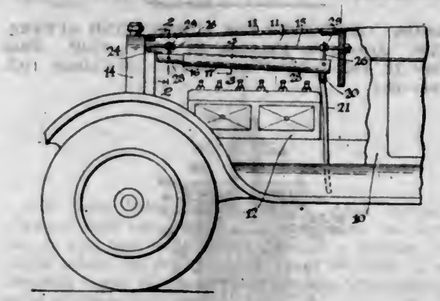
1,638,478. BATTERY-CHARGING APPARATUS. EDGAR W. ENGLE, Lake Forest, Ill., assignor to Fansteel Products Company, Inc., North Chicago, Ill., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,701. 1 Claim. (Cl. 171—314.)



In combination, an alternating current transformer having a primary and secondary coil, a pair of electrolytic rectifiers, means joining unlike terminals of said rectifiers to one terminal of the secondary coil of the transformer, and a switch in one position adapted to join the mid points of a plurality of groups of storage battery cells to the other terminal of said secondary coil, and also join the free terminal of one of said rectifiers to the positive terminals of said cell groups, and the free terminal of said other rectifier to the negative terminals of said cell groups, said switch being adapted in another position to join said groups of cells in series relation.

1,638,479. WATER DRAIN FOR AUTOMOBILE HOODS. RALPH C. FARR, Santa Barbara, Calif. Filed Feb. 25, 1926. Serial No. 90,500. 1 Claim. (Cl. 180—69.01.)

A water drain for automobile hoods comprising a pair of telescopically connected trough shaped members, a hanger pivotally and detachably connected to each trough shaped member, one end of one of the trough shaped members being provided with an outlet opening and an



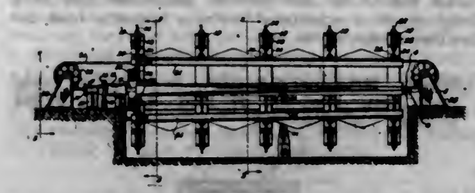
extension drip plate extending outwardly from the upper portion of the outer end of the other one of said telescopic members.

1,638,480. CONTAINER OR RECEPTACLE FOR THE DISPENSING OF ICE CREAM, ICES, OR THE LIKE. MARTIN PETZUSCH, Brooklyn, N. Y. Filed Feb. 18, 1926. Serial No. 89,084. 8 Claims. (Cl. 206—46.)



1. The combination with an ice cream cone, of a container adapted to contain confections or the like, said cone and container being provided with co-operating interlocking means to hold them in secure engagement.

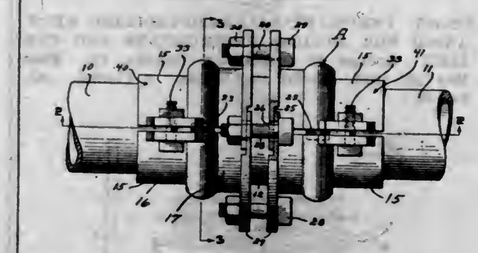
1,638,481. FLUTING MACHINE. CARL A. FRAHM, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Sept. 9, 1926. Serial No. 134,394. 13 Claims. (Cl. 153—70.)



1. A fluting machine including a mandrel, tracks parallel to the mandrel, a movable head, plungers slidably mounted in the head and engaging said tracks, and forming rollers upon the plungers arranged to cooperate with the mandrel.

1,638,482. COLLAR LEAK CLAMP. JOHN W. FRENCH and EDWARD D. CHABASOL, Wilson, Okla. Filed Feb. 4, 1926. Serial No. 86,016. 2 Claims. (Cl. 285—152.)

2. In a collar leak clamp, the combination of a pair of cooperating sleeve sections each embodying a semi-circular shaped section having an outer pipe engaging portion and an inner collar engaging portion of greater internal diameter than the pipe engaging portion, an arcuate shaped packing groove provided inwardly of the section at the juncture of the pipe and collar engaging portions, an arcuate shaped recess formed at one end of the packing groove, a segmental shaped lip provided at the opposite end of the packing groove for fitting in the recess of its companion section, means connecting the semi-circular sections for providing sleeve sections, and means for drawing the sleeve sections toward one another when positioned about collar connected pipe sections.

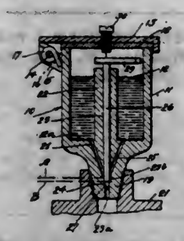


1,638,483. BOLT-CUTTING DEVICE. NICOLA GIANDONATO, Philadelphia, Pa. Filed Jan. 25, 1927. Serial No. 163,383. 2 Claims. (Cl. 164—41.)



1. A shearing attachment comprising positioning means, shearing means, shear operated ejecting means for the cut material, and means for adjusting the ejecting means.

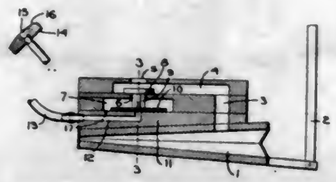
1,638,484. AUTOMATIC OIL CUP. BENJAMIN G. GILBOUGH, Los Angeles, Calif. Continuation in part of application Serial No. 537,700, filed Feb. 20, 1922. This application filed May 24, 1926. Serial No. 111,145. 2 Claims. (Cl. 184—69.)



1. In an oil cup, the combination of a body with an oil chamber and an oil feed passage therein with an oil outlet at its end, a relatively heavy valve pin longitudinally movable in the passage, an oil inlet opening leading to the passage at a distance from the oil outlet, the passage being cylindric for a distance between the inlet and outlet openings and the valve pin fitting the cylindric passage closely so that when the pin moves longitudinally it has plunger action to force oil through

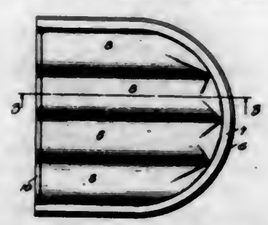
the outlet; the valve pin being free to be moved longitudinally without rotation by agitation of the cup longitudinally and free to rotate without moving longitudinally, and means to cause rotation of the pin by virtue of transverse agitation of the cup.

1,638,485. PNEUMATIC-VALVE-CONTROLLING MECHANISM FOR MUSICAL INSTRUMENTS AND THE LIKE. ADOLPH P. GUSTAFSON, Chicago, Ill. Filed May 29, 1925. Serial No. 33,643. 6 Claims. (Cl. 84—60.)



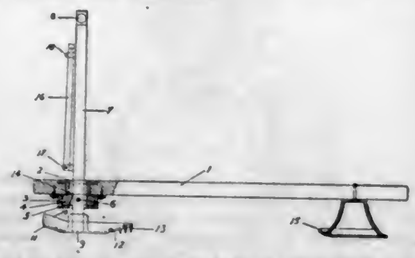
1. An inflatable valve-actuating pouch comprising two juxtaposed substantially flat sheets of flexible rubberized material, peripherally united, a base of relatively small area secured to the central portion of one of said sheets permitting flexure of substantially the full areas of said sheets and a port in said base and sheet for admitting air into said pouch.

1,638,486. CULINARY IMPLEMENT. NORA PHILLIPS HAYES, Porterwood, W. Va. Filed July 2, 1925. Serial No. 41,195. 2 Claims. (Cl. 15—236.)



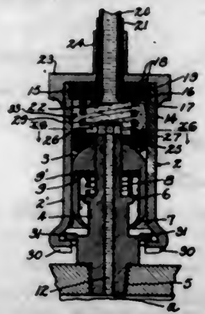
1. A culinary scraper including a flat rigid face plate, and a back plate having its side and outer end marginal portions secured to the corresponding portions of the face plate, said back plate being formed with a plurality of longitudinal corrugations cooperating with the face plate to form finger-receiving sockets open at the inner end of the scraper, said face plate having its outer end beveled to form a sharpened scraping edge.

1,638,487. COASTER VEHICLE. ELWOOD F. HESCH, Newport, Ky. Filed Aug. 27, 1926. Serial No. 132,025. 7 Claims. (Cl. 208—182.)



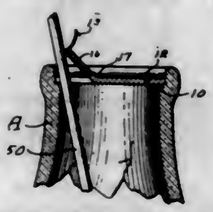
1. A coaster vehicle, comprising in combination with a body and a rear runner, a steering runner, means for mounting said steering runner so that the same will tilt along its axis, a plate removably mounted on the rear portion of said steering runner, and calks on said plate arranged to engage in the surface over which the runner is operating.

1,638,488. CONNECTER FOR LUBRICATING APPARATUS. ALFRED E. KELLOGG, El Centro, Calif. Filed June 12, 1922. Serial No. 567,591. 10 Claims. (Cl. 284—19.)



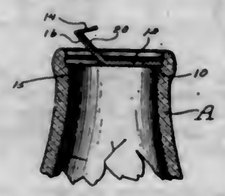
1. A connecter for lubricating apparatus, having in combination, an adapter having a shell; a tip adapted to be received in the shell of said adapter and comprising a core provided with a longitudinal bore, said core having transverse holes communicating with said longitudinal bore, and a sleeve slidable on said core and adapted to close said transverse holes when the adapter is removed from the tip, said sleeve and core having their upper ends rounded.

1,638,489. MILK-BOTTLE CAP. BEAT KUHNE, Lewistown, Mont. Filed Mar. 10, 1926. Serial No. 93,729. 5 Claims. (Cl. 215—51.)



1. A bottle cap comprising a closure disc having score lines provided at its under side and extending in diverging relation from the periphery of the disc, and a triangular shaped tab secured by its base portion to the under side of the disc between said score lines at a point spaced a substantial distance inwardly from the peripheral edge of the disc.

1,638,490. MILK-BOTTLE CAP. BEAT KUHNE, Lewistown, Mont. Filed Mar. 27, 1926. Serial No. 97,884. 3 Claims. (Cl. 215—51.)



1. A bottle cap comprising a closure disc having slits extending inwardly from the peripheral edge thereof and extending in upwardly converging relation and defining a lip, and a pull tab connected with the outer edge of the lip.

1,638,491. COLLAR BUTTON. WARREN R. LARTER, Newark, N. J., assignor to Larter & Sons, Newark, N. J., a Firm. Filed Feb. 1, 1926. Serial No. 85,341. 2 Claims. (Cl. 24—101.)



1. A collar button comprising a shank having a polygonal base and a head at opposite ends, the bottom face of said base being in the form of a segment of a hollow sphere the length of the chord of which is substantially equal to the distance between diagonally opposite angles of said base.

1,638,492. METHOD FOR THE PRODUCTION OF ANHYDROUS SODIUM BISULPHITE. NAPOLEON ARTHUR LAURY, Rockville Center, N. Y. Filed Aug. 16, 1923. Serial No. 657,801. 5 Claims. (Cl. 23—114.)

1. The method of producing commercial anhydrous sodium bi-sulphite, which consists in subjecting commercial sodium carbonate to the action of substantially pure sulphur dioxide in the presence of a trace of moisture.

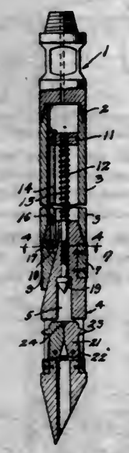
1,638,493. CORN POPPER. JOHN G. LE PERE, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a Corporation of Illinois. Filed Jan. 6, 1925. Serial No. 822. 10 Clams. (Cl. 53—21.)



1. A device of the character described, including in combination, a main frame member having one part formed with a loop, and a basket or receptacle secured to and carried by said loop, the latter forming a marginal frame for the basket or receptacle, said main frame member also having a pair of members extending parallel from the loop and arranged close to each other to form a handle and a gripping member at the end of the handle, a frame for a lid or cover and an operating handle formed with an open loop, and material secured thereto to form a lid or cover said last mentioned frame having a portion extending along said handle and provided with means for guiding the same relative to said handle.

1,638,494. CASING PULLER AND CUTTER. RUSH C. LEWIS and FRANK S. HARRIS, Abilene, Tex. Filed Feb. 11, 1925. Serial No. 8,488. 1 Claim. (Cl. 294—86.)

In a casing puller of the class described, a head, a body, a cylinder interposed between and connected at its ends with said head and body respectively, said head and said body being provided with alined longitudinally disposed bores, a piston slidable in said cylinder, a stem connected with said piston and slidable in the bore in said body, a spring surrounding said stem and interposed between the body and piston, said body being provided on one side and adjacent its point of connection to the cylinder in a tapered groove and on its diametrically opposite side is a pocket, a toothed slip slidable in said tapered groove, a toothed block secured rigidly in said



pocket, and a link slidably connected at its upper end to said position and pivotally connected at its lower end to said slidable slip for operating the latter, said body being provided with an opening for passage of the lower end portion of said link.

1,638,495. MUSICAL INSTRUMENT. CHARLES H. R. LONGBOTTOM, Brooklyn, N. Y. Filed Dec. 11, 1925. Serial No. 74,757. 3 Claims. (Cl. 84—285.)

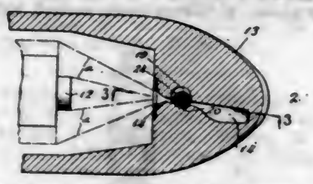


1. A musical instrument comprising a sound box having a base extending beyond the box at one end and provided at each side edge with a grip for enabling the box to be grasped in the hands and to be swung during playing, said box and base supporting a set of strings adjacent to each grip and so positioned and spaced as to be within reach of the player's thumbs when grasping the grips.

1,638,496. TENSION DEVICE FOR LOOM SHUTTLES. JONATHAN LUCAS, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1926. Serial No. 138,874. 3 Claims. (Cl. 139—212.)

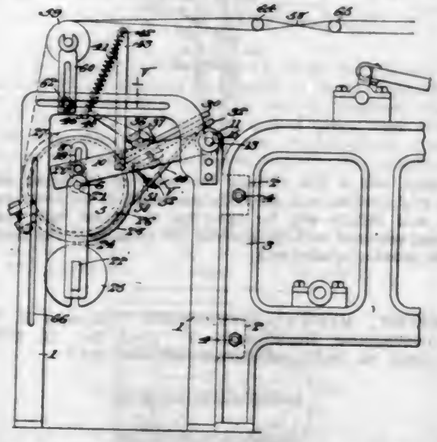
1. In a loom shuttle having an exit channel for the shuttle thread and provided with a transverse chamber intermediate of the ends of said channel, said chamber extending below said channel to form a transverse depression therein, a cylindrical weight freely movable in

said chamber and arranged in rolling contact with said thread and adapted to bear with its circumferential sur-



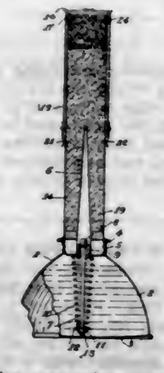
face upon said thread and by its weight thereon to maintain said thread under a tension and to clamp the thread in said depression when pull thereon is released.

1,638,497. LET-OFF MECHANISM FOR LOOMS. WILLIAM J. LUTTON, Paterson, N. J. Filed Mar. 5, 1926. Serial No. 92,571. 10 Claims. (Cl. 139—100.)



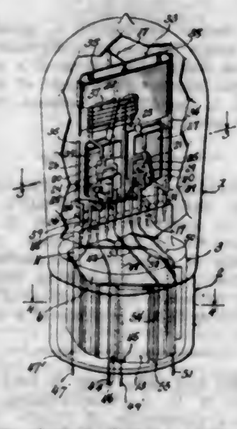
1. In a loom, a frame, a warp beam vertically movable in said frame, mechanism frictionally engaging said beam for arresting the rotary movement thereof, and means for releasing said mechanism, said means normally engaging the mechanism for holding the beam and arranged to be brought into contact with the frame for actuating it by the vertical movement of the beam.

1,638,498. TORCH. WILLIAM H. MCNUTT, New York, N. Y. Filed Oct. 18, 1926. Serial No. 142,243. 3 Claims. (Cl. 158—94.)



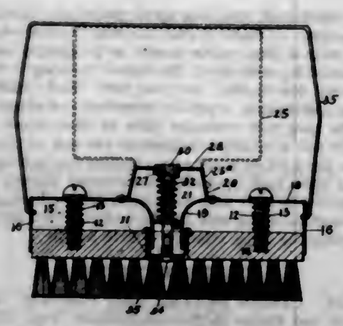
1. A torch device comprising a torch tube perforated for a portion of its length, a mass of refractory porous material in the tube, a sleeve slidable outside of the tube to entirely expose the perforations in one position, and to slide to enclose more or less of the perforated portion, and restrict the flame, said sleeve being slightly larger than the tube to provide a free endwise passage for the air through the sleeve between the tube and sleeve, in all intermediate positions to form a Bunsen burner flame, and means to hold the sleeve in adjusted positions.

1,638,499. ELECTRON-DISCHARGE DEVICE. ARISTOTE MAVROGENIS, Milwaukee, Wis. Filed Jan. 2, 1926. Serial No. 78,876. 11 Claims. (Cl. 250—27.5.)



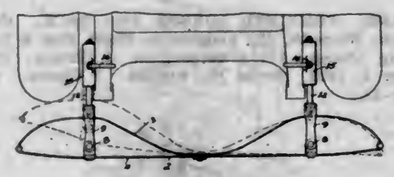
1. A unitary electron discharge device including an evacuated vessel having a relatively large hollow neck, said device including an audion, a thermionic rectifier, and a thermionic current limiting device all mounted within the evacuated portion of said vessel, and a condenser cooperating with said rectifier and current limiting device and mounted within the hollow neck of said vessel.

1,638,500. FLOOR WAXER. JAMES H. MILLHOLLAND, Philadelphia, Pa., assignor to John S. Clement Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1925. Serial No. 48,744. 2 Claims. (Cl. 91—39.)



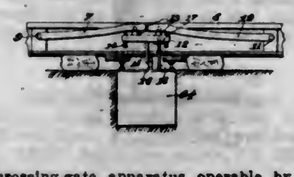
1. In a floor waxer comprising a brush having an apertured back; a relatively movable casing having a yielding connection to the brush back and said casing being provided with a valved discharge chamber forming a tapered reservoir-attaching upward projection thereon and a depending aperture-communicating funnel slidable in said aperture; and a valve spring-seated in the top closure plate of said reservoir-attaching projection and having a depending stem in said chamber supported by the brush back below said depending funnel.

1,638,501. BUFFER OR BUMPER FOR AUTOMOBILES. FRANK MISCHE and KARL ROSCHITSCH, Cleveland, Ohio. Filed Mar. 26, 1927. Serial No. 178,550. 10 Claims. (Cl. 293—55.)



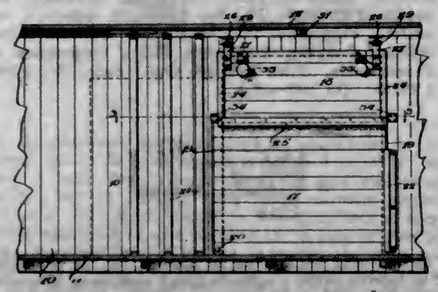
1. A buffer or bumper for automobiles, comprising means for supporting the main bumper elements, including spring controlled rack and gear mechanism adapted to yieldingly resist rearward movement of the bumper.

1,638,502. RAILWAY CROSSING GATE. IRA A. MOORE and THOMAS M. ELY, Cedar Rapids, Iowa. Filed Dec. 3, 1924. Serial No. 753,694. 3 Claims. (Cl. 246—126.)



1. In crossing-gate apparatus operable by an electric motor, switches in the motor circuit operable by rails depressed by a wheel-flange, a pair of such rails, a coupling therefor provided with a fixed switch-operating lever, an oscillating switch engaging said lever on one side and a fixed terminal engaged by said switch as moved in one direction only, whereby the tilt of the coupler closes the switch by the depression of one rail, but not the other.

1,638,503. GRAIN DOOR. CHARLES F. MORGAN, Jackson, Tenn. Filed Jan. 19, 1926. Serial No. 82,847. 1 Claim. (Cl. 20—29.)



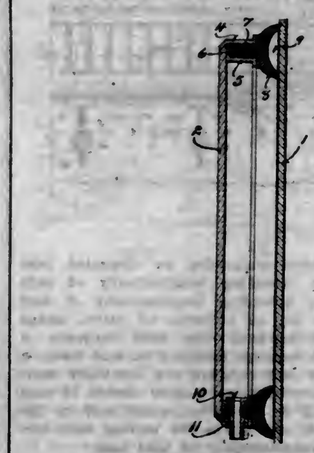
A car door including in combination with a box car having a side wall provided with a door opening, mating door sections, means swingingly mounting one of said sections for movement to open position in a plane parallel to said side wall, means mounting the other of said sections to swing inwardly and upwardly to open position and including removable hinge pins, the latter section being provided with hand openings through which said hinge pins may be removed for detaching the latter section, and means for securing the sections in closed position overlying said opening.

1,638,504. WATERPROOFED INSOLE. CHARLES A. MORIN, Boston, Mass. Filed Aug. 31, 1925. Serial No. 53,511. 4 Claims. (Cl. 36—44.)



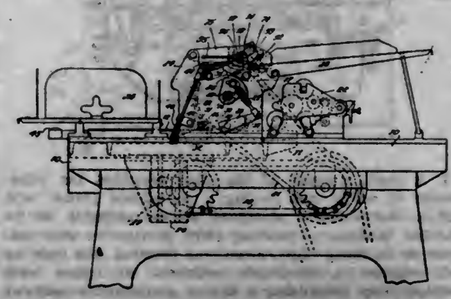
1. An insole comprising a base layer and a layer of waterproofing material superimposed thereon, said layers being channeled to provide an out-turned stitch-anchoring lip adapted to be subsequently turned down and cemented back in place after the shoe has been lasted with the waterproofing material sealing the opening formed by the channel cut so as to present a smoothly closed joint.

1,638,505. ANTIFROST VISION GLASS. WILLIAM C. NASH, Neenah, Wis. Filed July 13, 1925. Serial No. 43,240. 3 Claims. (Cl. 20—40.5.)



1. A removable attachment for a windshield comprising a glass disc, a ring carrying said disc, a rubber annular member carried by said ring and projecting therefrom, said member having suction means at its outer end adapted to engage the windshield and space said disk from said windshield, and pipes leading into and out of said device through said ring and adapted to conduct a heating fluid to and from the space between said disk and said windshield.

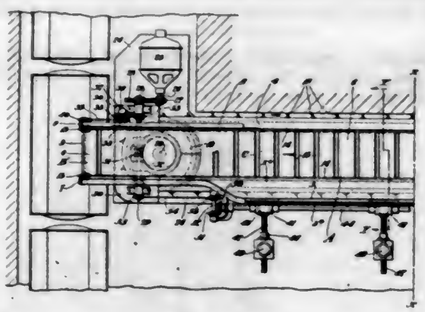
1,638,506. PLATEN RELEASE FOR PRINTING PRESSES. HENRY C. OSBORN, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 5, 1923. Serial No. 616,924. 17 Claims. (Cl. 101—284.)



1. The combination of two cooperating members adapted to act on interposed material, means for drawing such material between the members, a shiftable ro-

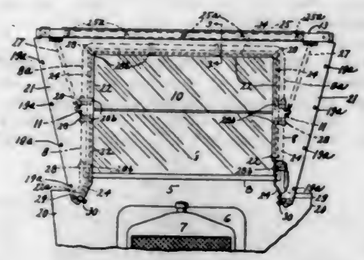
tative testing device, means for shifting it into engagement with the material, and mechanism axially connected with said device and driven by its rotation while in such engagement to control the mutual presentation of said members to each other.

1,638,507. MINING AND LOADING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Oct. 10, 1925. Serial No. 61,796. 8 Claims. (Cl. 262—9.)



1. A mining machine comprising an elongated base member, a conveyer extending longitudinally of said base, a cutter chain extending longitudinally of said base and adapted to cut on a horizontal plane, means for directing mined material onto said conveyer, a track on said base, a carriage mounted on said track, a platform mounted on said carriage and vertically movable relative thereto, cutting mechanism carried by said platform and adapted to cut a horizontal kerf in the material to be mined, and means for moving said carriage and platform longitudinally of said base.

1,638,508. STORM SHIELD FOR AUTOMOBILES. CLARK M. PAULSON, Montevideo, Minn. Filed Sept. 25, 1925. Serial No. 58,526. 2 Claims. (Cl. 296—93.)



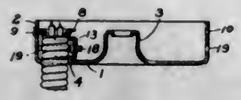
1. A shield curtain of the class described for windshields of motor cars having a windshield frame, said curtain comprising a shield of flexible material cut in inverted U-shape, a padding strip secured to said material at its inner edges, means for pressing said padding strip against a windshield adjacent its frame, said padding strip comprising a fibrous compressible material and said means for pressing the same against the windshield consists of a number of spaced spring clamps each frictionally engaging the windshield frame, a sectional metal bar secured in the shield externally of said strip, each said spring clamp having an arm arranged to engage said bar and press it and the padding strip against the windshield.

1,638,509. COMBINED MIRROR AND RACK. HUGO PICK, Winnetka, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1923. Serial No. 648,989. 3 Claims. (Cl. 45—18.)



1. In a device of the character described, the combination of a mirror, an outer frame composed of sheet metal bars, each bar having a side and a front flange, an inner frame composed of sheet metal strips, each strip comprising a front and side flange, the front flanges of said inner frame being secured to the front flanges of the outer frame, reinforcing tongues between the rear margins of the side flanges of the bars and the rear margins of the side flanges of the strips, and means connected to said last mentioned side flanges for holding the mirror.

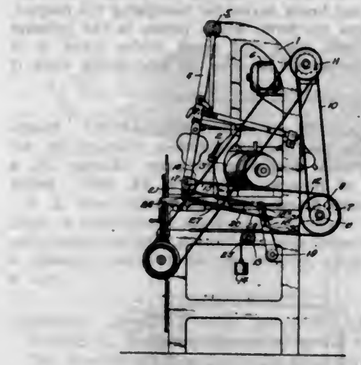
1,638,510. OUTLET BOX. CLARENCE RENSHAW, deceased, Pittsburgh, Pa., by Maidee B. Renshaw, executrix, Pittsburgh, Pa., assignor to National Metal Molding Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1925. Serial No. 9,560. 1 Claim. (Cl. 247—25.)



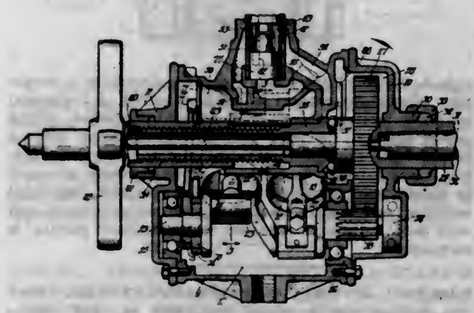
In an outlet box having an opening for the admission of an electric cable, a cable-clamping member of channeled cross-sectional form having a web portion and projecting parallel wing portions being adapted to bear against the surface of the cable, and means projecting through the wall of the box and connected to said web portion for adjusting the clamping-member.

1,638,511. COPYING LATHE. HERMAN A. SCHULTZ, Chicago, Ill., assignor to Charles E. Reed. Filed Nov. 30, 1925. Serial No. 72,220. 4 Claims. (Cl. 142—15.)

1. A copying lathe comprising, in combination, cutting mechanism and a pattern follower, a swing-frame for the pattern and work, a toggle pivotally connected at one arm with the stationary frame of the machine and at its other arm with said swing-frame, and a spring yieldingly resisting movement of the arms of said toggle in one direction about the pivotal connection between said arms.

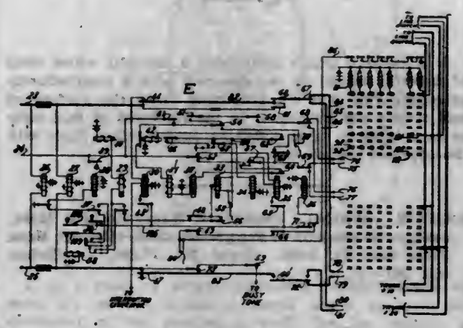


1,638,512. PNEUMATIC MOTOR. ERNEST H. SHAFF, Grand Haven, Mich., assignor to Wm. H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed July 30, 1925. Serial No. 46,964. 4 Claims. (Cl. 121—33.)



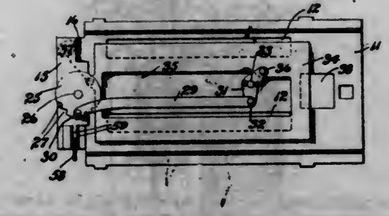
1. A pneumatic motor having, in combination, a V-shaped casing, a plurality of cylinders formed in the sides of said casing, the cylinders in each side being parallel, and in opposite sides being mutually perpendicular, a crank shaft, pistons in said cylinders and operatively connected to said crank shaft, a pair of parallel valve chambers formed in said casing in the angle between said cylinders and extending perpendicularly thereto, two pairs of passages, the passages of each pair opening side by side into one of said chambers and centrally thereof and connecting same respectively with the adjacent parallel cylinders, two sleeves, one in each chamber and each sleeve having ports registering with said passages, a pair of valve members, one rotatable in each sleeve and each member having a longitudinal bore in one end opening into a central longitudinal slot and having a peripheral recess opposite said slot, said slot and said recess being adapted to be moved alternately and successively into communication with said ports, means connecting said valve members to said crank shaft to drive the former in synchronism with said pistons, a central valve chamber in said casing, a forked passage connecting said central chamber with the interior of said sleeves opposite said first mentioned passages for continuous communication with said recesses, a second forked passage connecting said central chamber with the ends of said sleeves, and valve means in said central chamber for selectively controlling the passage of pressure fluid through said forked passages.

1,638,513. AUTOMATIC TELEPHONE SYSTEM. RUDOLPH F. STEHLIK, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 3, 1925. Serial No. 54,182. 9 Claims. (Cl. 179—18.)



1. In a telephone system, a connector switch having two sets of wipers, a plurality of levels of bank contacts accessible to said wiper sets, means for directively operating said switch to cause each of said wiper sets to be positioned opposite a different level of bank contacts, means for causing said wipers to successivley engage all the contacts in the level opposite which they have been positioned, lines terminating in said bank contacts, means for making said lines busy, means normally causing only one set of wipers to test for an idle line as it successively engages its bank contacts, and means for causing only the other wiper set to test if all lines available to the first wiper are busy.

1,638,514. SHUTTER FOR COMPUTING MACHINES. ANTHONY VANDERVELD, Grand Rapids, Mich. Filed Apr. 3, 1922. Serial No. 549,150. 11 Claims. (Cl. 33—133.)



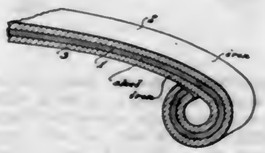
1. In a measuring and computing machine, means for measuring a length of fabric material, means for indicating the cost thereof, a plate having openings through which said cost indications are visible, a shutter for covering said openings, means for manually operating the shutter, and means automatically locking the shutter operating means against movement when the machine is moved away from zero position.

1,638,515. HOLLOW POLE. HENRY KERSHAW WALKER, London, England. Filed Apr. 27, 1925, Serial No. 25,990, and in Australia June 11, 1924. 3 Claims. (Cl. 189—23.)



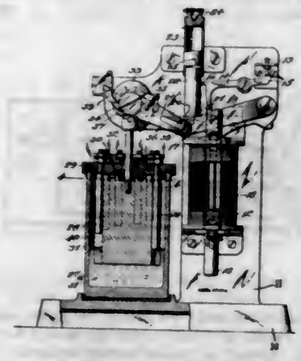
1. A tubular article comprising a helically coiled strip of material formed on one side only with a longitudinally extending rib, said rib projecting from the surface of said strip a distance equal to the thickness of said strip so as to present when coiled an outer surface flush with the adjacent convolution.

1,638,516. SPRING. CHARLES I. WARE, Holyoke, Mass., assignor of one-half to Fred E. Maxfield, Holyoke, Mass. Filed Dec. 26, 1925. Serial No. 77,864. 5 Claims. (Cl. 267—47.)



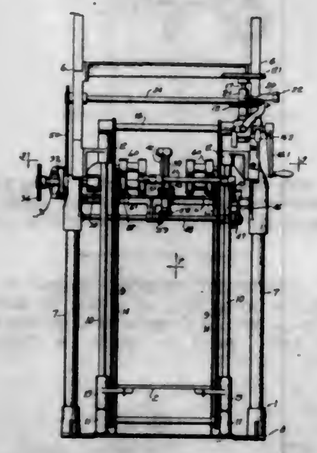
1. As an article of manufacture, a unit for a leaf spring comprising an integral mass of layers of iron and steel.

1,638,517. CONTACT-MAKING DEVICE. FRED C. BAUER, Irvington, N. J., assignor to Bauer Devices Inc., a Corporation of New York. Filed Aug. 13, 1925. Serial No. 49,944. 2 Claims. (Cl. 200—105.)



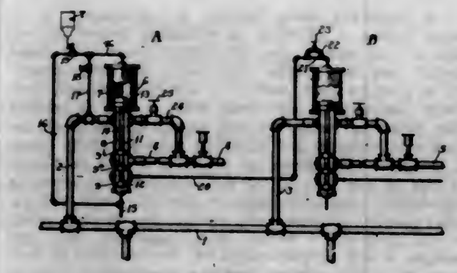
2. A contact making device comprising a support, a receptacle and a magnet placed side by side on the support, a lever and an arm opposed thereto, both pivoted to the support and in pivotal connection, a rod in the magnet and secured to the lever, a set of contacts in the receptacle and near the edge, a plunger in the receptacle with grooves to receive the contacts, mercury in the receptacle, a connection for moving the plunger from the arm; a make and break device for energizing the magnet, a cylinder above the lever, and a piston in the cylinder to open the said make and break device when it is raised by the lever and to close the said device when it descends.

1,638,518. CARTON-BLANK SEPARATOR. HAZEN KIRKE BECKER and EMIL G. JURGENS, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1925. Serial No. 50,260. 10 Claims. (Cl. 271—18.)



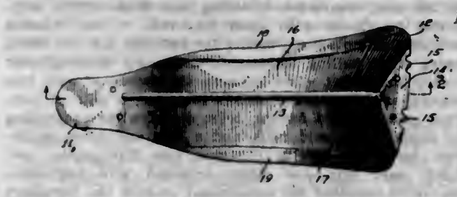
1. A device of the class described comprising a magazine adapted to support a stack of cards, a horizontal conveyer located at one side of said magazine, lifting means adjacent the upper end of said magazine adapted to penetrate the uppermost card and to separate a portion thereof from the stack, a second conveyer arranged to elevate said separated card portion to said horizontal conveyer, and means arranged to push the uppermost card onto said horizontal conveyer while its said portion is elevated.

1,638,519. AUTOMATIC SPRINKLING SYSTEM. JOHN A. BROOKS, Detroit, Mich. Filed Nov. 18, 1926. Serial No. 149,028. 6 Claims. (Cl. 137—78.)



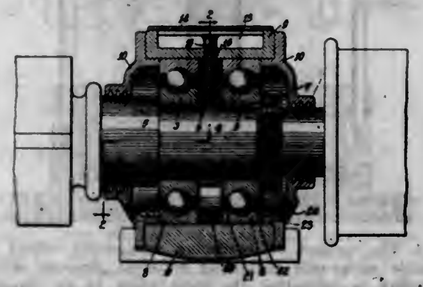
6. In an automatic sprinkling system, having a plurality of control units, a separate supply duct for each unit, a separate discharge duct for each unit, and means controlled by fluid pressure from a preceding unit to operate a succeeding unit after the former has approached the end of its spraying period.

1,638,520. METAL SHOE SHANK. CHARLES H. BROWN, Flushing, N. Y. Filed Apr. 22, 1924. Serial No. 708,237. 5 Claims. (Cl. 36—76.)



1. A shoe shank as described comprising an arched plate, a longitudinal rib centrally disposed on said plate, and flanges extending from the side edges of said plate a distance requisite for engagement under the welt of a shoe.

1,638,521. ANTIFRICTION-BEARING LUBRICATION. HAROLD E. BRUNNER, Mamaroneck, N. Y., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1925. Serial No. 56,462. 5 Claims. (Cl. 308—187.)



1. The combination with a housing, a rotary shaft mounted therein by a pair of spaced apart anti-friction bearings, of means to supply lubricant between the anti-friction bearings, the bearings being so mounted in the housing that there is a lubricant space afforded at the lower portion between the bearings, and there being a space afforded at the lower portion outwardly of each of the bearings for receiving used and surplus lubricant.

1,638,522. PROCESS OF CONVERTING A CYANIDE COMPOUND INTO AMMONIA. GUY H. BUCHANAN, Westfield, and JOHN L. OSBORNE, Elisabeth, N. J., assignors to American Cynamid Company, New York, N. Y., a Corporation of Maine. Filed Dec. 18, 1923. Serial No. 681,445. 5 Claims. (Cl. 23—195.)

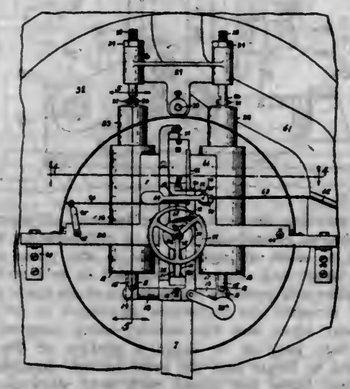
1. A method of forming ammonia which comprises digesting a composition containing calcium cyanide with water at a super-atmospheric pressure and at elevated temperatures, maintaining said pressure by venting the ammonia produced, and then expelling the remainder of the ammonia.

1,638,523. FOUNTAIN HAIR COMB. JOHN W. BUROWITZ, Detroit, Mich. Filed Feb. 2, 1927. Serial No. 165,276. 4 Claims. (Cl. 132—13.)



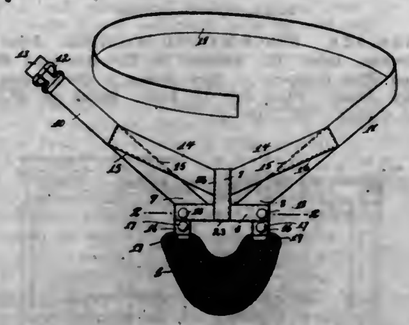
1. A device of the class described comprising a tubular handle; a tubular holder carried by said handle, having on one of its faces an axially extending groove and provided at opposite sides of said groove with a plurality of perforations and a comb detachably positioned in said groove.

1,638,524. WEIGHT INDICATOR. ADOLPH A. CAILLE, Detroit, Mich. Filed Sept. 23, 1921. Serial No. 502,675. 2 Claims. (Cl. 194—47.)



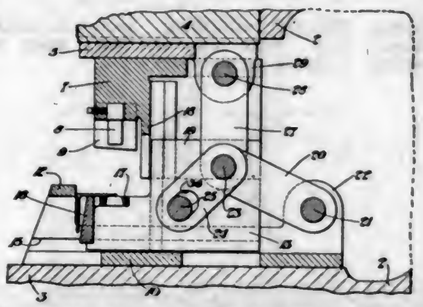
1. In a scale, a weight indicating pointer, means to move the pointer, a load actuated device to limit the movement of the pointer, a shaft for the pointer, a ratchet wheel on the shaft, a pawl adapted to engage the ratchet wheel and prevent rotation of the pointer shaft, a lever to lift the pawl, check operated means connected to the lever to swing the same and lift the pawl, a latch to hold the lever elevated, a bar connected to the load actuated device to release the pawl from the latch, and means connected to the pointer operating means to release said bar from said latch.

1,638,525. SUSPENSORY BANDAGE. ARRON R. CHISHOLM, East Orange, N. J. Filed Apr. 30, 1926. Serial No. 105,654. 1 Claim. (Cl. 128—158.)



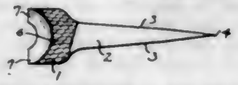
A device of the character described comprising a sack, a cross-member having means for supporting the sack, a relatively short upright member secured to said cross-member, belt members secured to opposite ends of said cross-member, and inclined brace members having their adjacent ends secured to the upper end of said upright member, said brace members being fixedly connected with the belt members and disposed at an acute angle to the belt members and overlapping the latter for a greater portion of their length, all of said members being of flexible inelastic webbing.

1,638,526. COPING AND PUNCHING MACHINE. HANS L. CHRISTIE, Los Angeles, Calif. Filed Feb. 2, 1927. Serial No. 165,409. 8 Claims. (Cl. 164—11.)



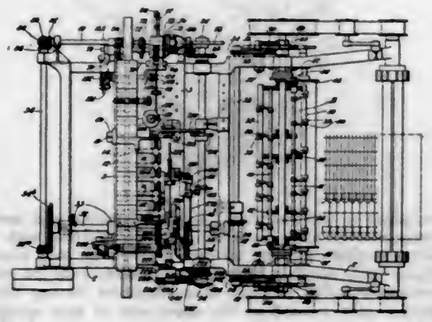
3. A machine for coping, punching and clipping rolled metal shapes, comprising a base, a reciprocating member adapted to move at right angles to the plane of said base, a punch and shear blade carried by said reciprocating member and movable therewith, a shear blade and die member mounted for transverse movement on said base, said shear blade and die member being adapted to be moved into position to shear a portion of the work-piece and to locate said die prior to the engagement of said shear blade and punch with said work-piece, and means for moving said shear blade and die transversely of said base.

1,638,527. GOLF TEE. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Mar. 19, 1927. Serial No. 176,810. 2 Claims. (Cl. 273—33.)



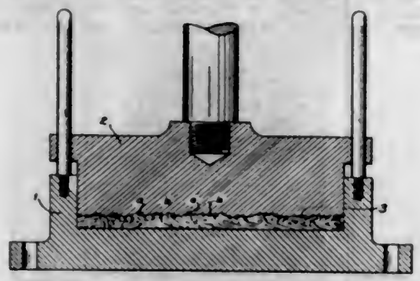
1. In a golf tee, a head having a semi-circular depressed upper surface, and a plurality of semi-circular upstanding golf ball engaging edges, said depressed surface and golf ball engaging edges being laid out on the surface of the semi-circular head, and a depending ground engaging member for supporting the head.

1,638,528. FENCE-MAKING MACHINE. JOHN A. COCKER, Joliet, Ill., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed July 13, 1925. Serial No. 43,170. 11 Claims. (Cl. 140—5.)



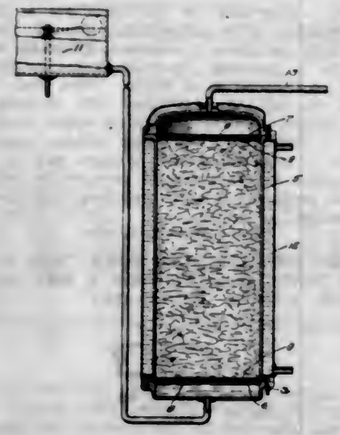
1. A machine for making lawn fence having a plurality of spaced line or cable strands, each of which is composed of a plurality of wires twisted together, and spaced picket wires arranged transversely of the line strands and held between the twists thereof, said machine comprising a suitable frame, a pull-out drum on said frame adapted to pull the line or cable strands through the machine, means for revolving said drum with a step-by-step movement with short intervals of rest between each step of movement, means for twisting the line wires during their pulling movement, means for automatically feeding the picket wires between the twists of said line strands, said last-named means including a pair of combined crimping and feeding rolls, a clutch for controlling the operation of said rolls, and a cam and lever mechanism for automatically engaging and disengaging said clutch, said cam disk being provided with adjustable cam faces mounted for adjustment around the periphery of said cam disk so as to vary the length of the cam faces and thereby vary the engagement time of said clutch and thus vary the length of said picket wires.

1,638,529. LUSTROUS, VARIEGATED, PLASTIC PRODUCT AND METHOD OF MAKING SAME. HERBERT A. COOK, Bloomfield, N. J. Filed Jan. 29, 1927. Serial No. 164,527. 11 Claims. (Cl. 18—51.)



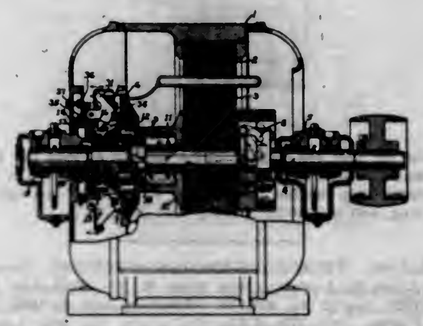
1. The method of producing ornamental effects in plastic compounds containing scale-like pigments which consists in subjecting the same while at an elevated temperature to the action of a die having a highly uneven impression surface, and then removing the principal portion of the superficial pattern impressed on the plastic and polishing the resultant surface of the plastic.

1,638,530. REMOVING OIL FROM OIL-BEARING MATERIALS. WILLIAM HOSKINS, Chicago, Ill. Filed Mar. 1, 1922. Serial No. 540,346. 3 Claims. (Cl. 87—6.)



1. The process of removing oil from comminuted oil-bearing material which consists in packing said material in a confined body between two porous septums, providing between the particles adjacent one septum a continuous phase of the oil therefrom, and passing a liquid other than the oil of said material through the last-named septum and the oil-bearing material, thereby displacing the oil and forcing it through the oil-bearing material and the opposite septum without substantial admixture with the liquid.

1,638,531. ELECTRIC MOTOR. HARRY W. JEANNIN, Toledo, Ohio, assignor to The Jeannin Electric Company, Toledo, Ohio, a Corporation of Ohio. Filed May 11, 1925. Serial No. 29,295. 6 Claims. (Cl. 172—279.)



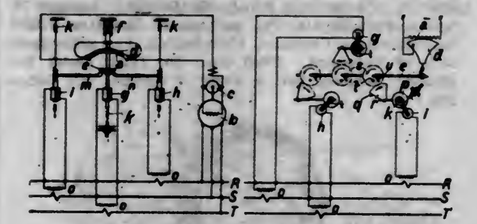
1. In an electric motor, a motor shaft, a commutator, brushes in contact with said commutator, pivoted brush carrying arms, the axes of whose pivots are mounted in planes at right angles to the axis of the motor shaft, said arms being disposed in tangential relation to said motor shaft, a speed responsive device, and connections between said speed responsive device and said brush carrying arms for moving said brushes from said commutator after the motor speed has attained a predetermined maximum.

1,638,532. SYRINGE HEAD. ERNST KALLMEYER, New York, N. Y. Filed Feb. 2, 1924. Serial No. 690,135. 5 Claims. (Cl. 128—239.)



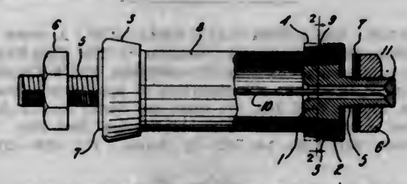
1. A head for syringes comprising: a chamber-forming elongated body-member of wave-like extending cross section so as to form alternative ribs and channels on its outer circumference; in combination with an inwardly domed end wall having fluid outlet openings directed substantially perpendicularly to the axis of the body-member, so that the fluid jets do not strike directly against the epidermis but mingle within the cavity of the domed wall, to exude gradually over the crest of the domed part.

1,638,533. PROTECTIVE DEVICE FOR USE IN POLYPHASE-CURRENT INSTALLATIONS. ROBERT KELLER, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Filed Nov. 3, 1925, Serial No. 66,617, and in Germany Nov. 17, 1924. 12 Claims. (Cl. 171—229.)



1. Means for controlling overloads in polyphase installations comprising a single regulating member to control the current supplied by the generator, a plurality of electrically separate electromagnetic devices connected one in each phase and an operative connection between each electromagnetic device and the regulating member.

1,638,534. CARTRIDGE FUSE. LE ROY W. KELSAY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 5, 1924. Serial No. 724,372. 3 Claims. (Cl. 200—132.)

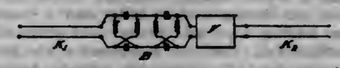


1. In an electrical cartridge fuse, a hollow cylindrical casing, a fusible link, frustro-conical contact plugs in the ends of said casing and supporting said fusible link, said plugs being cone-shaped and their largest diameter being greater than the inside diameter of said casing and having external longitudinal ribs to engage the inside of said casing, and cup-shaped ferrules secured over the distorted ends of said casing and including said plugs.

1,638,535. PLASTIC MATERIAL. ARCHIE R. KEMP, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 12, 1924. Serial No. 725,691. 14 Claims. (Cl. 18—53.)

1. A material having the thermoplastic properties of gutta percha comprising a rubber mixed with 8 to 16% sulphur and subjected to a temperature sufficiently high to render the material thus thermoplastic.

1,638,536. DISTORTION COMPENSATOR. KARL KÜPFMÜLLER, Berlin-Friedenau, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Feb. 1, 1924, Serial No. 689,972, and in Germany Oct. 5, 1923; Nov. 27, 1923. 6 Claims. (Cl. 178—44.)



1. The combination in a wave transmission system of a loaded line for the transmission of signals over long distances, with a localized compensating network, which pro-

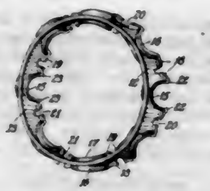
duces a phase displacement supplementary to that produced by the loaded line, so that the phase angle between the initial voltage and the terminal voltage increases substantially in proportion to the frequency of the transmitted waves.

1,638,537. CAGE FOR BALL BEARINGS. ANDREW H. LINDB, Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 20, 1926, Serial No. 82,568. Renewed Dec. 4, 1926. 7 Claims. (Cl. 308—201.)



1. A spacing cage for ball bearings consisting of a folded body portion presenting two plates disposed face to face and provided at intervals in their edges with open notches, and having flanges extending outwardly from the notches laterally beyond the outer faces of the plates and constituting conjointly ball holding sockets, the flange upon each plate being continuous and extending along the edge of such plate between sockets.

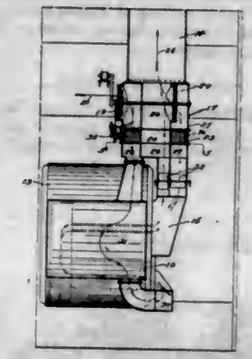
1,638,538. CAGE FOR BALL BEARINGS. ANDREW H. LINDB, Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa., a Corporation of Delaware. Continuation of applications Serial No. 82,569, filed Jan. 20, 1926, and Serial No. 121,511, filed July 10, 1926. This application filed Nov. 17, 1926. Serial No. 148,782. 6 Claims. (Cl. 308—201.)



1. A spacing cage for ball bearings comprising a flat body portion provided in its edge with open notches, and having flanges projecting outwardly from the edges of said notches laterally beyond the faces of the body portion and constituting conjointly sockets for holding the balls as an independent structure, the flanges being continued and extending along the edge of the body between sockets.

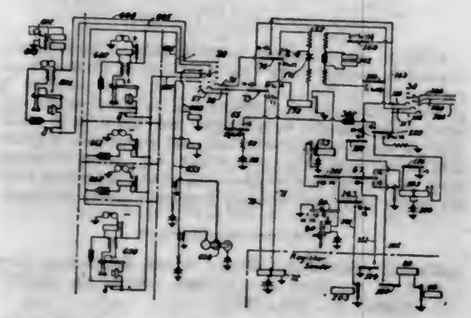
1,638,539. REGENERATIVE AIR AND GAS PREHEATER. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, and NILS FREDRIK FILEMON ANDERSSON, Stockholm, Sweden, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 3, 1922, Serial No. 579,528, and in Sweden Nov. 21, 1921. 10 Claims. (Cl. 110—56.)

1. In a marine boiler plant, the combination with a boiler and a stack leading vertically therefrom; of a channel for air leading to said boiler and a channel for flue gases leading from said boiler, said channels lying partly within said stack, a regenerative air preheater comprising a mass of regenerative material having passages through the same for air and flue gases, means for causing relative motion between said channels and said mass, a casing around said mass forming a section of said stack, a second casing forming a section of said stack above said preheater, said last named casing having an aperture therein and being divided to form the



inlet for said air channel and a portion of said flue gas channel, a fan located in said inlet aperture, a fan located within the flue gas channel within said last-named casing, and means for driving said fans.

1,638,540. TELEPHONE-EXCHANGE SYSTEM. GEORGE ALBEN E. LUNDELL, New York, N. Y. Filed Apr. 11, 1921, Serial No. 460,271. Renewed Jan. 8, 1927. 6 Claims. (Cl. 179—6.3.)



6. In a telephone exchange system, a selective party line, a direct line having a polarized device, a plurality of variously characterized sources of current adapted to signal a party of the line, a plurality of variously characterized sources of current adapted to control the polarized device selectively, and a single selecting means for selecting any one of said sources.

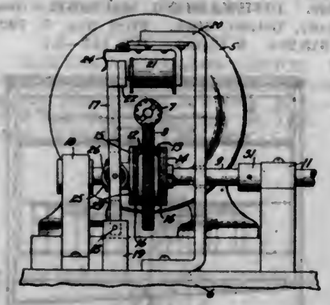
1,638,541. CUSHION MATERIAL FOR BOTTLE CLOSURES. CHARLES E. MCMANUS, New York, N. Y. Filed July 6, 1922. Serial No. 573,178. 5 Claims. (Cl. 154—45.5.)



1. Cushion material for bottle closures embodying therein, in a unitary structure and in strip form, a lamina of resilient material, a facing lamina consisting

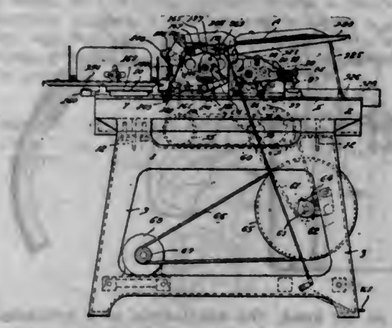
of liquid and gas impervious fibrous material, an intermediate lamina of fibrous material bonded to said resilient material, and a stratum of moisture resisting cement bonding said intermediate and said facing lamina.

1,638,542. CLUTCH. JOSEPH O. MESA, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 8, 1924. Serial No. 711,752. 2 Claims. (Cl. 192—84.)



1. In combination, a clutch comprising a driving shaft, a pinion fixedly mounted on said shaft, a gear interlocking with said pinion and having friction surfaces on opposite sides, a driven shaft arranged to rotatably support said gear, a pair of discs arranged adjacent to the opposite sides of said gear, friction members secured to said discs and in engageable relation with the friction surfaces of said gear, a pair of standards for supporting said driven shaft, a collar fixedly mounted on said driven shaft adjacent to one of said standards, an electromagnetic means for sliding first, one of said discs into engagement with one of said friction surfaces of said gear and secondly, both disc and gear into engagement with the other of said discs to effect the rotation of said driven shaft, said collar being provided for the purpose of preventing the longitudinal movement of said driven shaft when said gear engages the second mentioned disc.

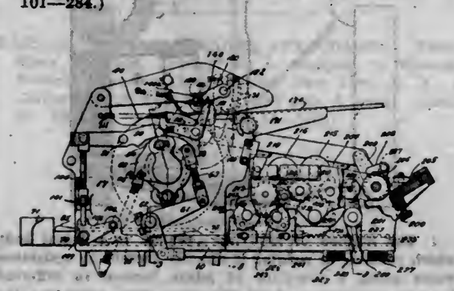
1,638,543. PRINTING PRESS. LAWRENCE H. MORSE, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 20, 1922. Serial No. 602,161. 18 Claims. (Cl. 101—280.)



1. In a printing press of the bed and cylinder type, the combination with a reciprocating bed, of a rotary platen eccentrically mounted, a spring tending to raise the

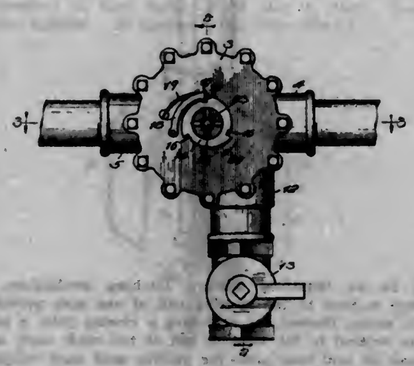
platen from the bed, a latch normally preventing such action, and a cam on the bed operating to release the latch.

1,638,544. PRINTING PRESS. LAWRENCE H. MORSE, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1925. Serial No. 14,013. 18 Claims. (Cl. 101—284.)



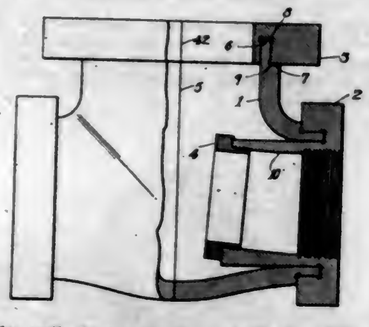
1. In a printing press, the combination of a printing couple, a variable cam on one member thereof, mechanism actuatable by the cam for causing the couple to coact and means controlled by the paper for varying said cam effect.

1,638,545. TRAP. RUDOLPH MUELLER and OTTO L. MUELLER, Chicago, Ill. Filed July 24, 1922. Serial No. 576,932. 1 Claim. (Cl. 210—165.)



In a trap of the kind described, a cylindrical chamber, an inlet therefor and an outlet arranged in the cylindrical wall and oppositely disposed, an axial shaft in the chamber, a plurality of radially arranged screens on the shaft, each extending from the shaft to the cylindrical wall, means for retaining the shaft against rotation in predetermined positions, a space at the lower part of the trap for receiving screened out material, a discharge valve for said space, one of said screens being adapted to be arranged in inclined relation to the direction of flow of water through the trap for deflecting solid and semi-solid materials into said space, the next successive screen below the inclined screen being substantially vertically disposed, the movement of the inclined screen downwardly to vertical position causing a reversed flow of the liquid through the screen as and for the purpose specified.

1,638,546. VALVE AND THE LIKE AND METHOD OF MANUFACTURE. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Feb. 28, 1923. Serial No. 621,730. 7 Claims. (Cl. 251—155.)



1. The method of applying a flange to a metal body which consists in welding it directly thereto by resistance welds along a plurality of joints located in different transverse planes and at the same time spreading the metal of one of the parts into an undercut recess in the other so as to lock them mechanically.

1,638,547. LOCKING MECHANISM FOR WINDOW SASHES. WINTER W. MYERS, Brooklyn, N. Y., assignor to Austral Window Company, New York, N. Y., a Corporation of Maine. Filed Sept. 23, 1922. Serial No. 590,012. 3 Claims. (Cl. 268—110.)



1. In an improved window latching mechanism, a keeper secured to the meeting rail of one sash provided with means thereon for attaching a closing cord, a base plate secured to the meeting rail of the other sash, and means on said base plate for guiding said cord comprising an outwardly projecting arm, and guide members on said arm over which the said cord passes.

1,638,548. CONFECTION AND PROCESS FOR MAKING CONFECTIONS. CHRISTIAN K. NELSON, Onawa, Iowa, assignor to Eskimo Pie Corporation, Chicago, Ill., a Corporation of Delaware. Filed Dec. 17, 1921. Serial No. 523,195. 23 Claims. (Cl. 99—11.)

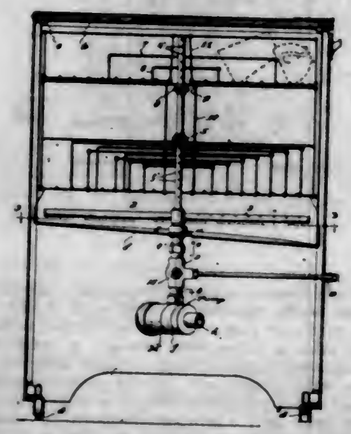
1. A process of manufacturing a confection which comprises freezing a normally liquid edible material to a substantially solid state and covering the frozen material with an edible form retaining and form sustaining casing.

5. A process of making a confection as described in claim 1, and wherein the material of the coating is selected so as to be capable of dissolving substantially simultaneously with the core material when taken with such core into the mouth of a consumer.

10. The method of coating frozen articles of the character referred to, which consists in first applying an edible insulator thereto, and then enrobing the article with a chocolate coating.

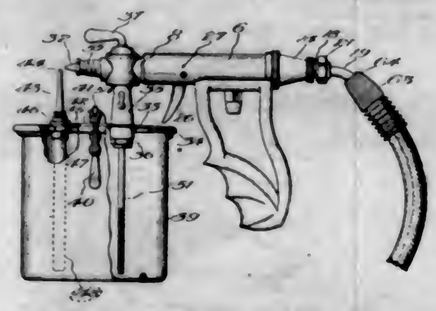
19. A confection comprising a body of normally liquid material frozen to a substantially solid state, and an edible enclosing envelope encasing the frozen material to sustain and retain its form, said envelope consisting of an outer layer of chocolate and an inner insulating coat surrounding the frozen material.

1,638,549. DISHWASHING MACHINE. GRAYSTON L. OHMART, Detroit, Mich. Filed Nov. 7, 1921. Serial No. 513,288. 8 Claims. (Cl. 141—9.)



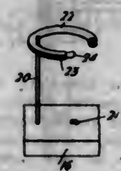
1. In a dish washing machine, the combination of a cabinet provided with a washing chamber and a revolving spray having horizontal arms at the bottom provided with lines of upwardly-directed jet openings on the rear sides of said arms, and a vertical spindle provided with rose heads having jet openings, the said spindle also having jet openings in its sides, the jet openings in the spindle and in rose heads arranged in vertical planes angularly with respect to the jet openings in the horizontal arms.

1,638,550. AIR BRUSH AND THE LIKE. JENS A. PAASCHE, Wilmette, Ill. Filed June 4, 1925. Serial No. 34,803. 3 Claims. (Cl. 91—45.)



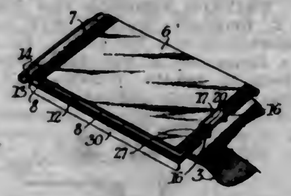
1. In an air brush, the combination of a cylindrical body member having a longitudinal bore in its rear portion communicating with a forwardly reaching passage at its front end, a partition across the front portion of said bore establishing a front chamber communicating with said passage, a partition across the rear end of the bore, an air tube reaching through the bore and through the partition, a cap member secured to the rear end of the cylindrical member and establishing a rear chamber in conjunction with the rear partition, a valve chamber in the rear portion of said cap member, a port in the cap member between the valve chamber and the rear chamber aforesaid, a spring seated tappet valve working in said port, a trigger pivotally mounted in the front portion of the bore of the cylindrical member, a rearwardly facing recess in said trigger, a link reaching between said recess and the valve aforesaid, and a suitable connection for the supply of compressed air to the cap member, substantially as described.

1,638,551. ELECTRON-DISCHARGE DEVICE. VICTOR L. RONCI, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 30, 1924. Serial No. 729,016. 1 Claim. (Cl. 250—27.5.)



An electron discharge device comprising an evacuated vessel, an electrode assembly, a hollow ring having an opening in its outermost circumference, said ring being supported from said assembly near the top of the vessel and a vaporizable reducing medium within said ring.

1,638,552. FILM-PACK CONSTRUCTION. ALFRED A. RUTTAN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 4, 1925. Serial No. 73,125. 16 Claims. (Cl. 95—22.)



1. In a photographic film pack, the combination with a casing, of a partition member therein, a flange on the partition member, a film element including a sheet of film and backing paper adapted to cooperate with the flange whereby the film element may be positioned on the partition.

1,638,553. DENTURE ATTACHMENT. ISIDOR STERN, New York, N. Y. Filed Nov. 24, 1924. Serial No. 751,742. 2 Claims. (Cl. 32—12.)



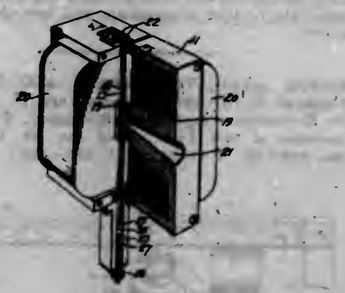
1. A denture attachment for removable bridge work comprising a support, T-shaped in horizontal cross section, whereof the head is adapted to be received in a pier tooth socket and the shank is adapted to be secured to a dental bridge, said head being formed with a plurality of horizontal slots extending, respectively, from the edges of the head inwardly to the vertical planes including the sides of the shank and defining a plurality of superimposed wings upon opposite sides of the shank adapted to be alternately offset in opposite directions from the vertical median plane of the head to alternately yieldingly engage each of the opposed walls of the pier tooth socket at a plurality of points.

1,638,554. VACUUM-CLEANER ATTACHMENT. FREDERICK A. VOOS, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 3, 1924. Serial No. 724,090. 1 Claim. (Cl. 15—158.)



A vacuum cleaner for cleaning slotted interrupter drums comprising a tube of insulating material for attachment to the hose of a vacuum cleaner, said tube having a contact edge curved to fit the curve of the drum to be cleaned, a brush axially mounted within said tube, projecting beyond said contact edge, and means comprising a screw projecting through the side of the tube and engaging the brush handle for determining the distance the brush projects beyond the contact edge.

1,638,555. TRANSLATING DEVICE. EDWARD C. WENTE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,886. 26 Claims. (Cl. 179—100.1.)

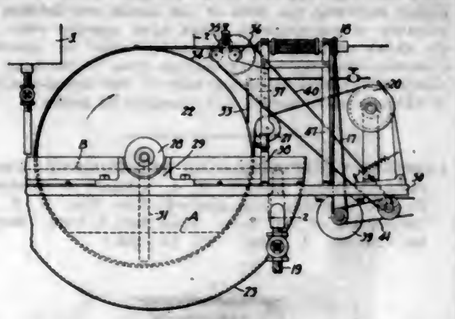


1. In combination, a pair of parallel electrical conductors arranged in a magnetic field to define a light transmitting slot, means to project a beam of light upon said slot, and means for supplying electric current to said conductors to effect a variation in their space relation whereby the intensity of the beam of light transmitted through said slot is varied.

1,638,556. PROCESS OF MAKING INSULATED CONDUCTORS. EDMUND B. WHEELER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1925. Serial No. 75,035. 3 Claims. (Cl. 92—41.)

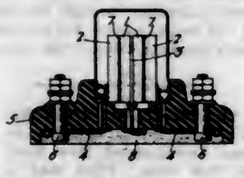
1. A method of coating a core in strand form having continuous fibrous threads adjacent thereto, consisting in subjecting the core and fibrous threads to a liquid

containing pulp in such a manner that pulp is applied thereto, and then forming the pulp on the core and



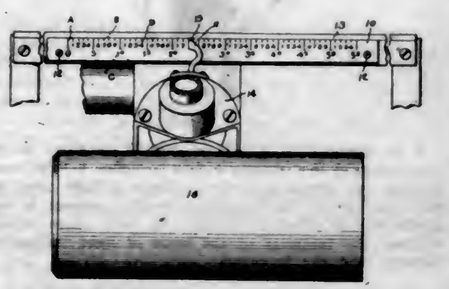
threads to constitute a coating conforming with the core and retained on the core by a felting of the pulp fibers.

1,638,557. INSULATING COMPOUND. JOHN M. WILSON, Bronx, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 30, 1924. Serial No. 729,041. 3 Claims. (Cl. 106—15.)



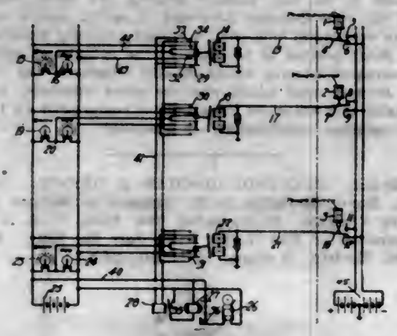
1. An insulating cement comprising by weight substantially 10 per cent alcohol, 10 per cent shellac, and 80 per cent pulverized filler having a degree of alkalinity comparable to that of porcelain and low electrical conductivity.

1,638,558. INDICATING MEANS AND THE LIKE. CHARLES K. WOODBRIDGE, New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,523. 1 Claim. (Cl. 197—194.)



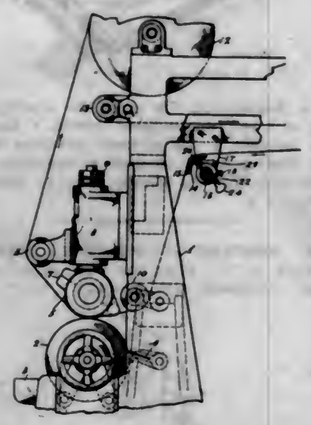
As a new article of manufacture, a scale having major and minor graduations, each of the minor graduations being provided with a numeral and each of the major-graduations being provided with a numeral having the tens digit larger than the units digit and larger than the minor-graduation numerals, the tens digit of the numeral for the major-graduation being adapted to be read with the relatively smaller numeral for the minor-graduation.

1,638,559. SIGNALING SYSTEM. FERDINAND ZOGBAUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 18, 1921. Serial No. 516,078. 2 Claims. (Cl. 177—311.)



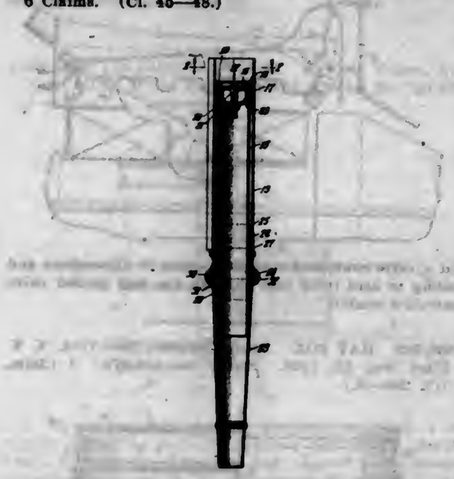
1. In a system for indicating the operation of electrical apparatus, a central station, a remote station, a power switch at said remote station, a polarized relay at said central station, a circuit including said polarized relay and controlled by said power switch, a pair of indicating devices, an energizing circuit for said indicating devices, means controlled by said polarized relay for selectively rendering one of said indicating devices inoperative, a relay at said central station, a circuit for normally energizing the same, a slow releasing relay, a circuit therefor including a back contact of said normally energized relay, an alarm device, means operated by said slow releasing relay for actuating the same, and means for momentarily de-energizing said normally energized relay upon the operation of said switch controlled relay to operate said alarm device.

1,638,560. WRINKLE REMOVER FOR WEB ROLLS. ERNEST G. BEVERIDGE, Brooklyn, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,419. 6 Claims. (Cl. 271—2.1.)



1. The combination with a printing couple to which a web is forwarded for printing, of a metal tensioning device having a smooth curved surface in contact with the web and over which the web runs, and means for independently adjusting the surface to and from the web at a plurality of points widthwise thereof.

1,638,561. LEG CONSTRUCTION. CHARLES H. BUSCH and WILLIAM A. VOLLMER, Kenosha, Wis., assignors to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed May 11, 1923. Serial No. 638,235. 6 Claims. (Cl. 45—48.)



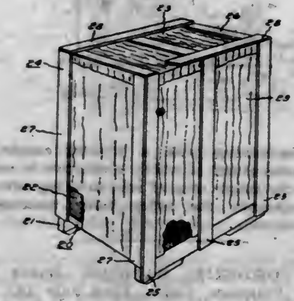
1. In an article of furniture, the combination of a frame, a tubular corner post integrally united to said frame, an annular ornamental trimming secured on the lower end of said corner post and apertured coaxially with said post, a leg having an upper parallel portion insertable through said trimming upwardly into said post and having a tapered portion into which the lower end of said parallel portion is secured at a point intermediate of the length of said tapered portion, said tapered portion terminating in an external shoulder above said point and threaded parts respectively provided in the post and on the upper end of said parallel portion and engageable by rotation of the leg in the post, said trimming being formed to conceal said shoulder.

1,638,562. PHOTOGRAPHIC MOUNT. JAMES A. CAMERON, Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1925. Serial No. 12,930. 5 Claims. (Cl. 40—148.)



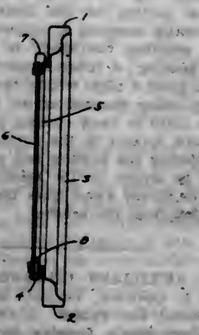
1. A mount for photographs comprising a supporting sheet having thereon embossed corner pocket members, the space within said members being an exhibiting area, and a second sheet separable from the first and comprising a central portion adapted to be engaged in said corner pockets and having an exhibiting area lying over said first exhibiting area, and having a flap adapted to be folded over said exhibiting areas or to be folded back to render the central portion visible, the flap being shaped so that, when folded down above said area, it will lie in the plane of the pockets and not interfere with the pockets.

1,638,563. APPARATUS AND METHOD FOR PACKAGING PAPER. HENRY P. CARRUTH and WILLIAM C. LUDWIG, Chillicothe, Ohio, assignors to The Mead Pulp & Paper Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 11, 1924. Serial No. 705,821. 4 Claims. (Cl. 217—36.)



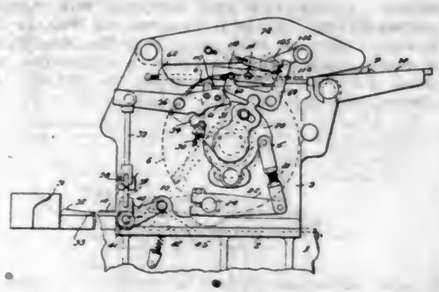
1. Apparatus of the character described adapted for packaging sheet paper, comprising a platform adapted to receive sheet paper in a stack thereon and having skids for supporting the platform at such a distance above the ground as to receive an elevating truck thereunder, and a confining structure secured to the platform for binding the stack of paper immovably thereon, said confining structure includes upright members securely fastened to the platform and lying along the side of the stack to closely confine the latter, and a top member lying over the top of the stack and connected with said upright members.

1,638,564. COMMERCIAL SIGN. EDWARD M. CLARK, Davenport, Iowa. Filed Apr. 26, 1926. Serial No. 104,851. 3 Claims. (Cl. 40—133.)



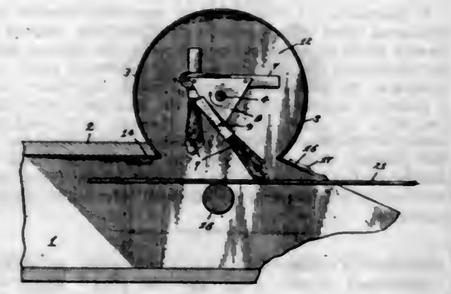
1. A sheet metal frame, comprising a back plate having its lower edge turned upwardly against itself, and a cornice formed integrally with said back plate, and having its lower edge rolled round the lower edge of said back plate.

1,638,565. SAFETY DEVICE FOR FLAT-BED PRINTING PRESSES. PETER COLQUHOUN, Cleveland, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1925. Serial No. 14,123. 13 Claims. (Cl. 101—284.)



1. The combination with a printing couple, of two latching devices either of which is effective to control the coaction of the couple, one of said latching devices being manually operable, the other being inaccessible for manual operation.

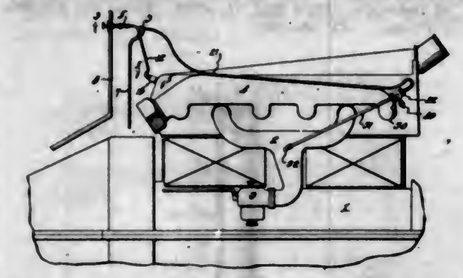
1,638,566. POWDERING MACHINE. HARRY R. CONGDON, San Francisco, Calif. Filed July 15, 1924. Serial No. 726,185. Renewed Apr. 22, 1927. 11 Claims. (Cl. 91—59.)



11. A machine for powdering plates, preparatory for etching, comprising a housing; a shaft mounted within the forward portion of the housing; a plurality of brushes pivotally mounted in connection with the shaft; means for rotating the shaft to revolve the brushes within the housing; a roller mounted below the shaft to support and guide a plate within the path of the brushes, said brushes being dragged at an angle across the surface of the plate to bank etching powder into the edges of depressions formed in the surface of the plate; and a cover enclosing the brushes and provided with an edge adapted to be struck by the bristles of the brushes as the same are moved away from the plate for displacing excess powder from the brushes.

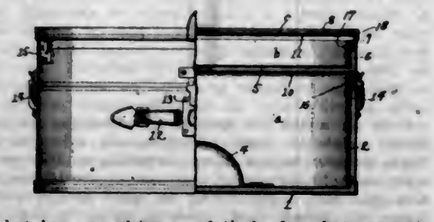
1,638,567. AUXILIARY CHARGE-FORMING DEVICE. ANDREW J. COPPOCK, Detroit, Mich. Filed Mar. 18, 1925. Serial No. 16,284. 1 Claim. (Cl. 123—25.)

An auxiliary charge forming device for internal combustion engines having a carburetor, an intake manifold and an exhaust manifold, consisting of a tube opening at one end to the intake manifold between the carburetor and cylinders, a second tube extending into the exhaust manifold longitudinally thereof from one end and having a closed end adjacent the discharge end of the manifold and the first tube opening to the second tube outside the exhaust manifold, a third tube extending into the second tube and having an open end adjacent the closed end of the second tube, a valve controlled conduit connecting the third tube to the water jacket of the engine,



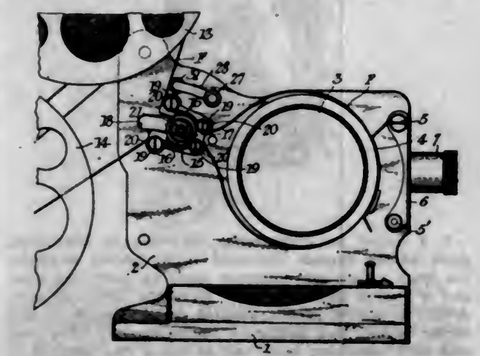
and a valve controlled conduit opening to atmosphere and leading to said third tube through the first named valve controlled conduit.

1,638,568. HAT BOX. JESSE DREYFUS, New York, N. Y. Filed May 10, 1926. Serial No. 108,070. 1 Claim. (Cl. 206—8.)



A hat box comprising a relatively deep hat compartment, the upper edge of the side wall of said compartment having an inner flange forming a shoulder for receiving the lower edge of the side wall of a tray positioned above the hat compartment, the tray having a permanently secured bottom closing the top of the hat compartment, the side wall of the tray having an inner flange forming a shoulder at its upper edge, a cover having a short flange fitting in the shoulder formed by the upper flange of the tray, said cover co-operating with said tray to form a shallow compartment for wearing apparel and accessories, and separate, independent locking means for retaining the hat compartment and the tray in closed position.

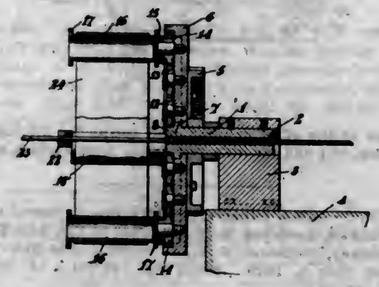
1,638,569. MOTION-PICTURE PROJECTOR. EDWIN C. FRITTS, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 20, 1925. Serial No. 10,599. 24 Claims. (Cl. 88—18.)



1. In motion picture apparatus, an exposure window, a film guide at a distance from the window, a sprocket

movable toward and from said guide at an acute angle thereto and thereby adapted when moved toward said guide to engage a film threaded past said window and guide and to move said film to form a loop therein between the window and guide.

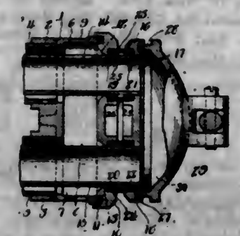
1,638,570. POLISHING DEVICE. EDWARD FULDA, New York, N. Y. Filed Sept. 13, 1924. Serial No. 737,520. 4 Claims. (Cl. 51—148.)



1. In an apparatus of the character described, a rotatable member, a travelling endless belt carried thereby and a belt tightener for said belt adapted to be thrown into operative position by the centrifugal action of said rotatable member.

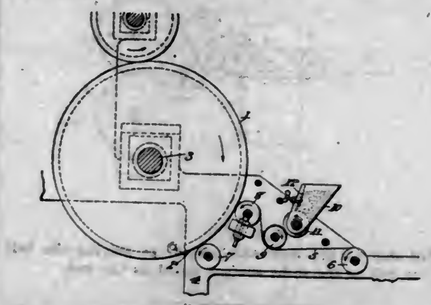
4. In an apparatus of the character described, a stationary shaft provided with an opening extending longitudinally therethrough, a rotatable disk mounted upon said shaft, rotatabe pulleys mounted on said disk, means for causing one of said pulleys to be rotated by rotation of said disk, a flexible member encircling said pulleys and a guide secured to and projecting from said disk, said guide having a guideway in alignment with the opening in said shaft.

1,638,571. LIQUID-COOLING DEVICE. GRANDON D. GATES, Derby, Conn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 29, 1926. Serial No. 138,367. 6 Claims. (Cl. 257—247.)



1. A device of the class described, comprising a base having a pair of flanged openings adapted to receive the ends of a pair of outer tubes in sealed relation to said base and having an opposite peripheral flange forming a chamber in communication with said openings, an inner plate abutting said latter flange and forming a closure for said chamber, said inner plate having a pair of openings adapted to receive a pair of inner tubes in slidable relation thereto, an outer plate having a pair of openings adapted to receive said pair of inner tubes, recesses in the proximate faces of each of said plates about said inner tube openings adapted to receive a compressible material, a ring positioned in each pair of said recesses between said plates, a cap abutting said outer plate and forming a chamber communicating with each of said inner tube openings therein, and means for securing said base, plates, rings and cap in abutting relation.

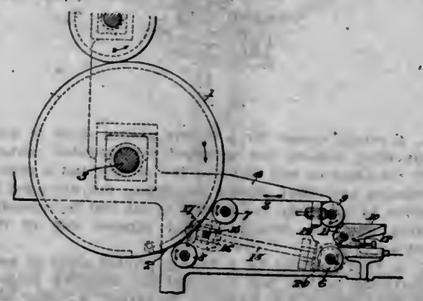
1,638,572. ANTIOFFSET MECHANISM FOR PRINTING PRESSES. RICHARD J. GREENWAY, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn., a Corporation of Delaware. Filed Mar. 3, 1925. Serial No. 12,842. 8 Claims. (Cl. 91—54.)



1. A rotary carrier for a freshly printed sheet or web, a traveling endless belt arranged for contact with the sheet or web while on the carrier, and a fabric covered roll for applying anti-offset powder to the belt for transfer thereby onto the freshly printed outer side of the sheet or web.

8. A rotary carrier for a freshly printed sheet or web, a traveling endless belt arranged for extended contact with the sheet or web while on the carrier, an anti-offset powder supply fountain, a fountain roll, and a fabric covered roll engaged thereby for applying the anti-offset powder to the belt for transfer thereby onto the freshly printed outer side of the sheet or web, the carrier, belt and rolls being driven at the same surface speed.

1,638,573. ANTIOFFSET MECHANISM FOR PRINTING PRESSES. RICHARD J. GREENWAY, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn., a Corporation of Delaware. Filed Mar. 3, 1925. Serial No. 12,843. 4 Claims. (Cl. 91—54.)

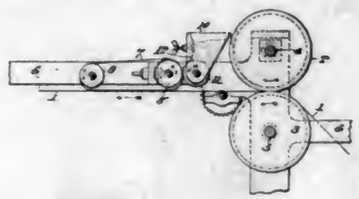


4. A rotary carrier for a freshly printed sheet or web, a traveling endless belt arranged for extended contact with the sheet or web while on the carrier, an anti-offset powder supply fountain, and a fountain roll to apply the powder directly to the belt for transfer thereby onto the freshly printed outer side of the sheet or web, the carrier, belt and roll being driven at the same surface speed.

1,638,574. ANTIOFFSET MECHANISM FOR PRINTING PRESSES. RICHARD J. GREENWAY, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn., a Corporation of Delaware. Filed Mar. 3, 1925. Serial No. 12,844. 4 Claims. (Cl. 91—54.)

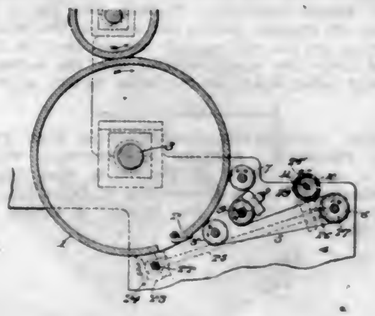
4. A traveling endless belt, means for passing a web beneath the belt with the freshly printed side of the web in extended contact therewith, an anti-offset powder sup-

ply fountain, a fountain roll arranged to apply the powder to the belt for transfer thereby onto the freshly



printed side of the web, and means for driving the belt and the roll at the same surface speed as the web.

1,638,575. ANTIOFFSET MECHANISM FOR PRINTING PRESSES. RICHARD J. GREENWAY, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn., a Corporation of Delaware. Filed Mar. 3, 1925. Serial No. 12,845. 7 Claims. (Cl. 91—54.)

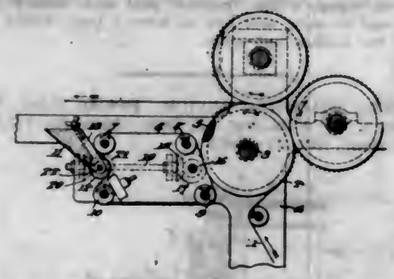


1. A rotary carrier for a freshly printed sheet or web, a traveling endless belt arranged for extended contact with the sheet or web while on the carrier, and a rotary perforated anti-offset powder containing roll arranged in position to distribute the powder to the belt for transfer thereby onto the freshly printed exposed side of the sheet or web.

7. A rotary carrier for a freshly printed sheet or web, a traveling endless belt arranged for extended contact with the sheet or web while on the carrier, a rotary perforated anti-offset powder containing roll arranged in position to distribute the powder onto the belt for transfer thereby onto the freshly printed exposed side of the sheet or web, means for driving the carrier and belt at the same surface speed and the powder containing roll at a lesser surface speed, and means for vibrating the said roll.

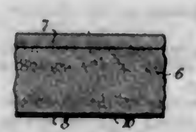
1,638,576. ANTIOFFSET MECHANISM FOR PRINTING PRESSES. RICHARD J. GREENWAY, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn., a Corporation of Delaware. Filed Mar. 3, 1925. Serial No. 12,847. 2 Claims. (Cl. 91—54.)

2. A rotary offset cylinder around which a traveling web is passed with a freshly printed side in contact therewith, a traveling endless belt arranged for contact with said cylinder, an anti-offset powder supply fountain, a fountain roll for supplying anti-offset powder to the said belt for application thereby to the web contacting



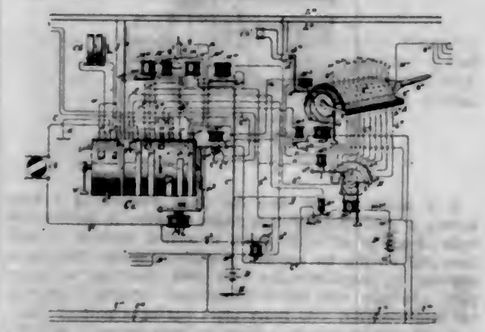
surface of the offset cylinder, and means for driving the cylinder, belt and fountain roll at the same surface speed.

1,638,577. ROLL FILM CARTRIDGE. KENNETH C. D. HICKMAN, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 4, 1926. Serial No. 146,251. 18 Claims. (Cl. 95—9.)



1. A daylight loading cartridge of photographic film including a coiled film band, said film band comprising a support of light transmitting cellulosic material carrying upon one surface a sensitive photographic layer and directly upon the other surface a dye layer having the characteristics that it absorbs actinic light, is insoluble in water and is removable from the support by photographic baths.

1,638,578. AUTOMATIC TELEPHONE EXCHANGE. MYRON F. HILL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Reflied for abandoned application Serial No. 523,852, filed Sept. 22, 1894. This application filed Nov. 25, 1922. Serial No. 603,178. 14 Claims. (Cl. 179—18.)
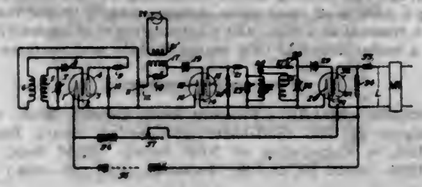


1. In a telephone exchange system, lines, automatic switches for establishing connections between said lines, a restoring switch for causing the restoration of said automatic switches, an operating magnet for said restoring switch, a retaining magnet effective to prevent the operating magnet from actuating the restoring switch, and inductively controlled means for rendering said retaining magnet ineffective, permitting the operation of the restoring switch by said operating magnet.

1,638,579. COATING COMPOSITIONS. CARL D. HOCKER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1923. Serial No. 680,848. 6 Claims. (Cl. 134—26.)

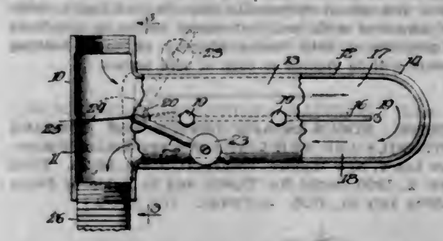
4. The process of forming a liquid coating composition which comprises heating a mixture of resin oil and gelatinizable vegetable oil, mixing therewith a substance to give a quick baking quality to said coating composition, and heating the mixture.

1,638,580. METHOD OF AND MEANS FOR TRANSMITTING SIGNALS. JOSEPH WARREN HORTON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1920. Serial No. 430,143. 13 Claims. (Cl. 179—171.)



1. The method of transmitting signals, which comprises modulating a carrier current by signaling current and equalizing the amplitudes of the current components, of carrier and side-band frequencies transmitted whereby maximum signaling effect may be produced at a receiving station.

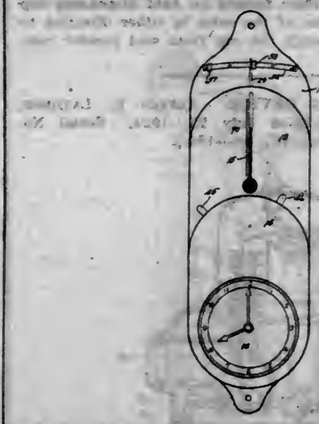
1,638,581. HEATER. HARRY L. HORNING, JAMES B. FISHER, and ARTHUR W. POPE, Jr., Waukesha, Wis., assignors to Waukesha Motor Company, Waukesha, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1925. Serial No. 19,282. 4 Claims. (Cl. 123—122.)



3. In a stove structure for tempering the intake air of a carburetor, the combination of a direct unheated air passageway, said direct passageway having an air inlet and having an air outlet adapted for connection with the air intake of a carburetor, a heated passageway extending between said inlet and said outlet, a valve structure for said passageways, means tending to hold said valve structure in position to close said direct passageway and open the unheated passageway to the flow of air, said valve structure being responsive to the pressure of the air flowing from said inlet to said outlet to increase the passageway through said direct passageway and to positively restrict the flow through said heated passageway.

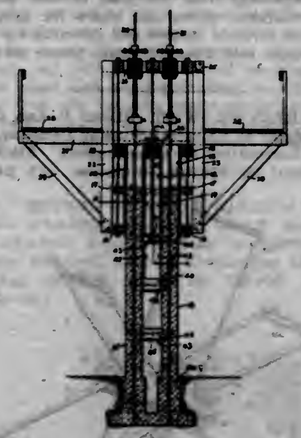
1,638,582. HEAT REGULATOR. JAY W. HOUCH, Minneapolis, Minn. Filed Feb. 1, 1926. Serial No. 85,175. 11 Claims. (Cl. 236—46.)

1. In a heat regulator, the combination with a thermostat, of a device for setting the thermostat for predetermined temperatures including an oscillatory indicator, a pair of adjustable stops in the path of movement of the indicator for setting the device for different temperatures, normally inactive automatic means for moving said device from one position to another at a predetermined time and



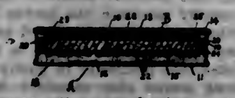
then returning the same at a predetermined time, and clock-actuated mechanism including an intermittently moved member for intermittently rendering said automatic means active.

1,638,583. CONCRETE WALL CONSTRUCTION. WILL E. KELLER, Los Angeles, Calif. Filed Aug. 7, 1926. Serial No. 127,739. 5 Claims. (Cl. 25—131.)



1. A concrete mold form comprising a movable mold form consisting of a plurality of walls spaced apart to form mold cavities adapted to be utilized in the formation of a pair of hollow wall members, and means connected to some of said mold form walls and removable therewith for forming a plurality of concrete bonding members adapted to connect or tie the wall members together as the same are poured.

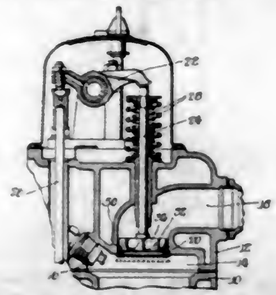
1,638,584. ADJUSTABLE POWDER DISPENSER. ALFRED J. KRANK, St. Paul, Minn. Filed Aug. 24, 1925. Serial No. 51,950. 2 Claims. (Cl. 132—83.)



1. An adjustable dispenser having, a top and bottom member, said bottom member being adapted to form a

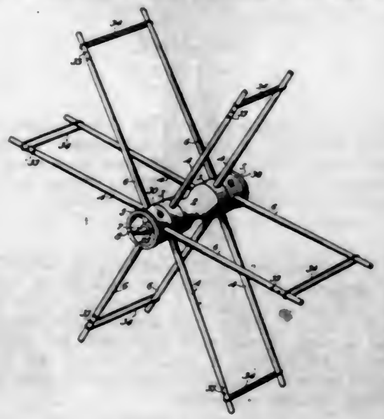
compartment for loose powder, means formed in the bottom member to prevent the powder from slipping therein, a dispensing cup carried by said bottom member and an engaging surface formed on said dispensing cup to permit the rotation of the same in either direction to dispense powder through the cup from said powder compartment.

1,638,585. MIXING DEVICE. ALFRED L. LATHROP, Waukesha, Wis. Filed July 25, 1924. Serial No. 728,092. 2 Claims. (Cl. 48—180.)



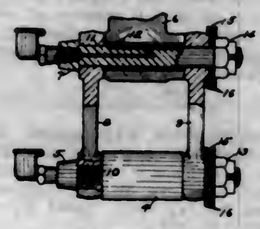
1. A mixing structure for internal combustion engines comprising a fluid inlet duct terminating in a cylindrical outlet passage, a valve disc, a spinner, said outlet passage having a seat for said valve disc, said spinner being cylindrical and located immediately back of the valve disc, said spinner being entirely within said outlet passage and separated from the sides of said passage by restricted clearance space, and vanes for said spinner causing rapid rotation thereof and directing all the fluid to flow through said clearance space before leaving said outlet.

1,638,586. REEL OR SWIFT. HARRY P. LEE, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 4, 1924. Serial No. 753,948. 9 Claims. (Cl. 242—111.)



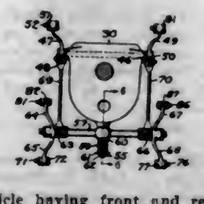
1. A reel or swift comprising two sets of alternating spokes with the spokes of one set adapted to be brought into closed relation with the spokes of the other set to contract the reel, and resilient means acting in opposite directions to normally maintain the spokes in open relation while allowing one set to be rotated on the axis of the reel in either direction with respect to the other set to bring the spokes into proximity to partly collapse the reel, said resilient means also operative to return the spokes to open relation after one set has been rotated with respect to the other set to contract the reel.

1,638,587. SPRING SHACKLE. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Jan. 5, 1924. Serial No. 684,588. 5 Claims. (Cl. 267—54.)



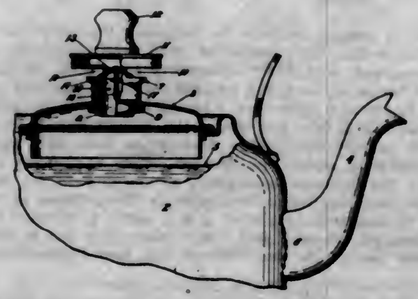
1. An anti-rattling device comprising two washers having a portion of their outer surfaces formed to the shape of a frustum of a cone, and a split spring ring contractible in a radial direction only seated against said surfaces.

1,638,588. BRAKE. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Sept. 5, 1925. Serial No. 54,709. 7 Claims. (Cl. 188—204.)



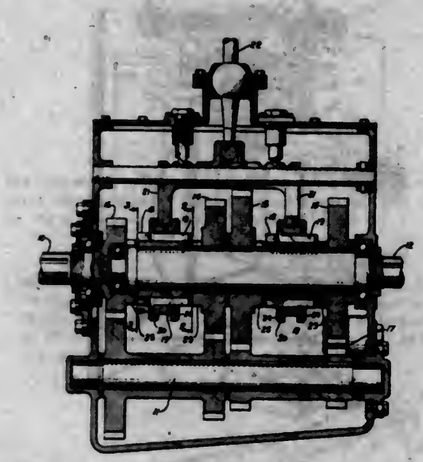
7. In a vehicle having front and rear wheel brakes, means for operating said brakes comprising a rotatable shaft, means operatively connected to said shaft and said brakes, and means universally movable and bodily shiftable connected with said last-named means to distribute the pressure on said brakes whereby an equal braking pressure will be applied to each of said brakes.

1,638,589. STEAM-ESCAPE DEVICE FOR COOKING UTENSILS AND THE LIKE. WOLSEY NELSON COLUMBUS LOUW, New Modder, Transvaal, South Africa. Filed Jan. 2, 1926. Serial No. 78,893, and in Union of South Africa July 31, 1925. 2 Claims. (Cl. 53—9.)



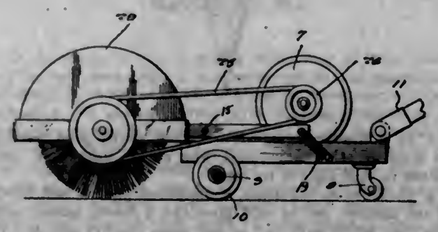
1. A steam escape device for cooking utensils comprising a hollow casing having an opening for communicating with the interior of the utensil and having also lateral steam escape apertures; and a casing top overhanging said escape apertures, said top including a detachable cover, removal of which gives access to the interior of the casing.

1,638,590. CLUTCH MECHANISM FOR A CONSTANT-MESH GEAR TRANSMISSION. PHILIP MACKENZIE, San Francisco, Calif. Filed Aug. 14, 1924. Serial No. 731,944. 4 Claims. (Cl. 192—67.)



1. A clutching mechanism for a constant mesh gear transmission having a gear rotatably mounted on a shaft and held against axial movement, a clutch collar secured on the shaft contiguous to the gear, a plurality of circumferentially spaced and axially extending clutch members carried by said clutch collar, a shifting collar arranged over said clutch collar and members and relatively associated with the latter, clutch jaws fixed to the adjacent face of the gear into engagement with which said members may be projected by axial movement of said shifting collar, the connection between said members and said shifting collar being yieldable whereby immediate and positive engagement between said members and said jaws may be effected to clutch said gear to said clutch collar.

1,638,591. FLOOR-POLISHING MACHINE. RILEY E. MERRILL, Austin, Tex. Filed Apr. 6, 1926. Serial No. 100,105. 1 Claim. (Cl. 15—49.)



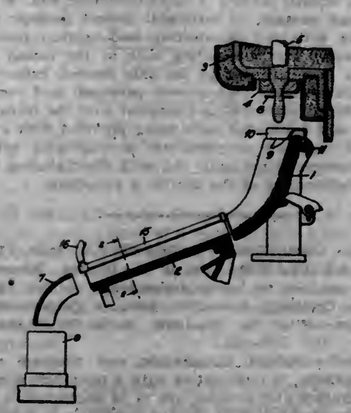
In a floor polishing device of the character described, a wheeled carriage, a motor anchored upon the carriage, a transversely extending block formed integrally with the carriage at the forward side thereof, said block being formed with a cross groove, a rod within said groove, a brush frame at the forward end of said carriage and pivotally secured to the opposite ends of the rod, springs secured to said carriage and brush frame normally holding said frame horizontal, a rotary brush within the frame and a driving connection between the brush and said motor.

1,638,592. UNION SUIT. HENRY F. MONHEIMER, New York, N. Y., assignor to Campe Corporation, New York, N. Y., a Corporation of New York. Filed July 9, 1926. Serial No. 121,411. 2 Claims. (Cl. 2—78.)



1. A union-suit comprising an upper body portion and a nether portion formed of woven substantially non-elastic fabric, an elastic waist band formed of knitted fabric extending across the back at the waist line with the upper body portion and nether portion permanently connected thereto along the upper and lower edges respectively so that the stretch of the elastic waist band will be transversely of its length and longitudinally of the garment, a centrally disposed reinforcing elastic insert of knitted fabric located at the back and superimposed upon the elastic waist band and secured at its upper and lower edges to the upper and nether portions of the garment respectively, but free and unattached between its upper and lower edges, and non-elastic stays connected to and extending from the opposite upper corners of the reinforcing insert towards the shoulders of the upper body portion of the garment and permanently secured thereto.

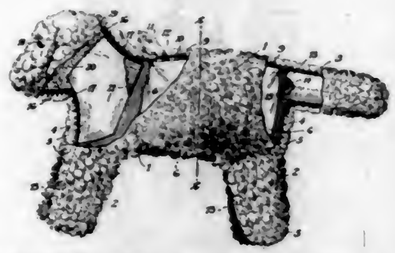
1,638,593. METHOD OF AND APPARATUS FOR CONVEYING PLASTIC GLASS. VERGIL MULHOLLAND, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Aug. 19, 1924. Serial No. 732,896. 22 Claims. (Cl. 49—55.)



1. The method of conveying molten glass from a feeder to a shaping machine, which comprises depositing the glass on a guideway and admitting gas under pressure

to the surface of the guideway to lubricate the same and exert a propelling force on the glass during its passage along the guideway.

1,638,594. PURSE. MARCUS ASH MYERS, Gloversville, N. Y., assignor to Myers' Woolly Animals, Inc., Gloversville, N. Y., a Corporation of New York. Filed May 10, 1927. Serial No. 190,181. 7 Claims. (Cl. 150—28.)



2. A hand bag comprising an animal shape made with a flexible outer covering, the extremities thereof being distended to simulate the contours of the body appendages of the animal and the central portion being hollow and pliant and provided with an article receiving pocket accessible through an opening in said outer covering.

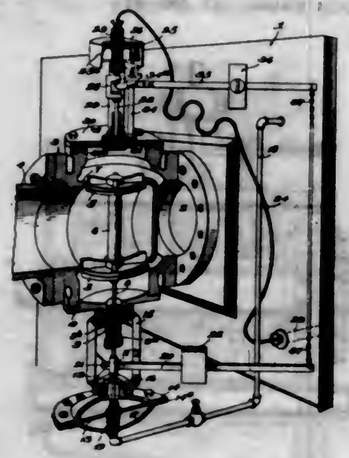
1,638,595. SELF-THREADING SHUTTLE. HENRY POIRIER, New Bedford, Mass. Filed Oct. 26, 1925. Serial No. 64,965. 6 Claims. (Cl. 139—222.)



1. In a shuttle having a hand-threading slot, a vertical thread passage, a horizontal thread passage communicating with and intersecting said vertical passage, said threading slot intersecting each of the thread passages in a plane parallel to the axis thereof, cylindrical thread guides, one in each of said passages, said vertical guide having a radial slot in alignment with the threading slot, and said horizontal guide being provided with a tortuous slot the ends of which are in alignment with a common element of the guide and with the threading slot, whereby dethreading of the shuttle is prevented.

1,638,596. COMBINED TEMPERATURE AND PRESSURE REGULATOR. FRANK C. REEDER, Knoxville, Tenn., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn., a Corporation of Delaware. Filed Feb. 20, 1926. Serial No. 89,812. 17 Claims. (Cl. 236—92.)

1. A self-contained temperature and pressure regulator comprising, in combination with a receptacle wherein the temperature and pressure are to be controlled, a conduit for supplying a fluid to said receptacle, a valve for controlling the flow of the fluid through said conduit, adjustable means for normally maintaining said valve in open position, means controlled by the pressure in said receptacle for counteracting the effect of said adjustable means, movable means actuated by changes of temperature in said receptacle, and flexible means for connecting said



last-named means with said adjustable means whereby said temperature-responsive means actuates said valve only through said adjustable means.

1,638,597. FIRE EXTINGUISHER. KARL SCHMIDT, Neuruppin, Germany. Filed Feb. 1, 1924, Serial No. 690,023, and in Germany Feb. 1, 1923. 5 Claims. (Cl. 299—95.)



1. In a fire extinguisher, a siphon outlet pipe having its bend at the charge level, and an air inlet tube connected to said pipe at its bend.

4. In a fire extinguisher, a discharge pipe, a ball valve at the influent end of said pipe, and a sleeve within said pipe into which said ball moves when the extinguisher is in operative position, said sleeve acting to prevent the inflowing fluid from moving the ball against its seat.

1,638,598. RHEOSTAT. JAMES C. SNELL, Oak Park, Ill., assignor to Premier Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 2, 1925. Serial No. 27,399. 9 Claims. (Cl. 201—55.)

4. In a rheostat, the combination of a substantially flat rectangular core plate, a resistance element wound around said plate, insulating plates against the resistance elements, and frame-plates having margins conforming

substantially to the core plate, terminal strips connected to the element and disposed along opposite margins of



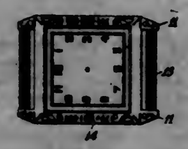
the plates, an arched supporting bracket secured to the cover plates, a shaft carried by said bracket, and means on the shaft to contact with the element.

1,638,599. COWL VENTILATOR FOR MOTOR VEHICLES. LYLE K. SNELL, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 27, 1919. Serial No. 333,806. 15 Claims. (Cl. 98—2.)



15. In combination with a wall having a ventilating opening, and a cover movably supported in operative relation thereto, a spring tending to move the cover to closed position, and a screw shaft supported in such manner as to be reciprocated when turned and serving to adjust the cover in opposition to the aforesaid spring.

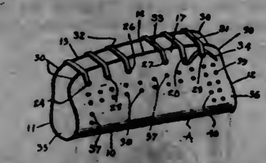
1,638,600. WATCHCASE. MAX SPIRO, Sea Gate, N. Y. Filed May 9, 1925. Serial No. 28,906. 1 Claim. (Cl. 58—88.)



In a watch having a casing consisting of two interlocking members, one of said members having oppositely disposed inwardly curved tongues, a movement carrier engaging the casing having said tongues comprising a flat plate square in outline, side walls on all four sides of said plate, flat-bottomed recesses formed in the walls of two opposing sides, said tongues registering in said recesses to retain the movement carrier in place in one of the casing members, said recesses being depressed inwardly and toward each other forming channels open on the outer surfaces of the walls, said movement carrier being open on one side, the casing members when interlocked engaging and releasably retaining the movement carrier in position.

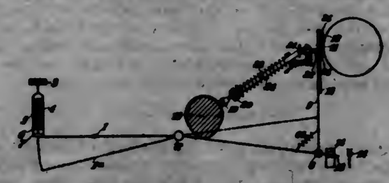
1,638,601. ARMLET FOR INFANTS. STEPHEN STANCIU, St. Paul, Minn. Filed Mar. 18, 1926. Serial No. 94,453. 8 Claims. (Cl. 128—134.)

1. An armlet for infants comprising an elongated body member of semi-pliable material adapted to be bent longitudinally thereof around the arm and elbow, said member being of sufficient stiffness to prevent the bending thereof transversely, the longitudinal marginal portions thereof terminating in spaced relation to one another, and a lacing between said marginal portions, adjacent reaches of said lacing being spaced sufficiently medially of said



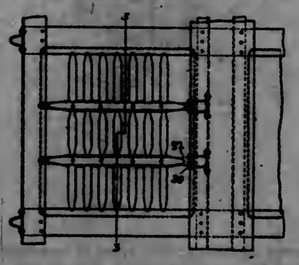
body member to provide a space for the protrusion of the elbow, said adjacent reaches of said lacing serving to engage the arm above and below the elbow to hold the armlet from sliding along the arm.

1,638,602. MECHANICALLY-DRIVEN TYPE-ROD TYPEWRITER. THEODOR STIEBEL, Berlin, Germany. Filed Nov. 19, 1926, Serial No. 149,403, and in Germany Apr. 12, 1923. 5 Claims. (Cl. 197—17.)



1. In a mechanically driven type-rod typewriter, a key lever fulcrumed at a point intermediate its ends, a type rod pivotally connected to said key lever, a push rod, a connecting rod to strike said push rod and thereby impart printing stroke to the type rod and a continuously revolving shaft having a cam to engage said key lever and to actuate said connecting rod.

1,638,603. HOPPER DOOR FOR RAILWAY CARS. JAMES S. SWANN, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed May 20, 1926, Serial No. 110,395. Divided and this application filed Oct. 21, 1926. Serial No. 143,186. 14 Claims. (Cl. 105—280.)

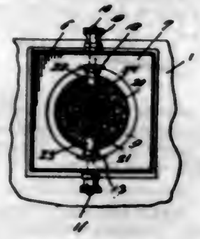


1. In combination with the other elements of a railway dump car, a door made of a metallic plate formed with a marginal portion surrounding a continuous web which surrounds a panel, said panel formed with corrugations which traverse the panel and merge into the opposite portions of the web, and other corrugations with their opposite ends merging into some of the first mentioned corrugations.

1,638,604. TIME-CONTROLLED LIGHTING SWITCH. BENNIE A. TARONINO, New Brunswick, N. J. Filed Jan. 19, 1925. Serial No. 2,472. 1 Claim. (Cl. 200—36.)

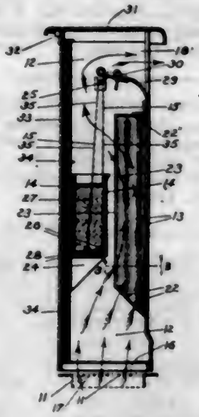
In a switch of the class described a casing, a stationary block of insulating material in said casing, the same being provided with an enlarged central opening, sta-

tionary contacts arranged at diametrically opposite points in the stationary block and extending into the opening, a rotatable disc arranged within the central opening of the stationary block, a pair of diametrically opposed contacts carried by the disc and adapted for cooperation with the stationary contacts, and means for effecting



the rotation of the disc, said means comprising a drive shaft, a conical head on the outer end thereof, the rear face of the disc having a conical recess formed therein for cooperation with the aforementioned conical head, and a coil spring associated with the shaft for holding conical head in engagement with the conical recess.

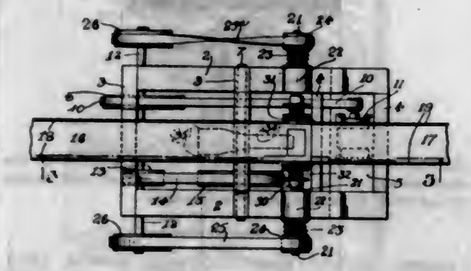
1,638,605. COMBINATION WARM-AIR CLEANER AND HEAT CONVERTER. LARS M. THORSON and KENNETH B. WARD, Chicago, Ill. Filed Oct. 28, 1926. Serial No. 144,825. 9 Claims. (Cl. 261—104.)



1. A device of the kind described comprising a duct body having an air inlet opening arranged to cover a warm air register, and an outlet opening arranged to discharge warm air in approximately horizontal directions; and a radiating element forming a wall of the duct body and provided with folds forming a series of air pockets between said openings.

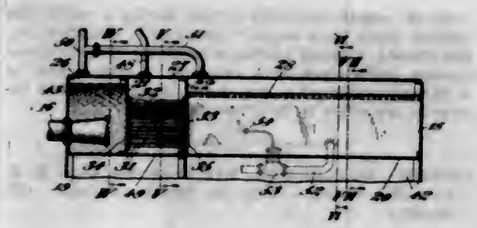
9. In combination, a duct body enclosing an air passageway containing a water pan, a perforated wick fabric and supporting means therefor; said duct body having an inlet opening adapted to cover the openings of a warm air register, and an outlet opening; said wick fabric having one edge held within said water pan and arranged to form a dust arresting screen across said passageway; and a radiating element having heat collecting projections extending into said passageway and constructed of folds constituting outside parts of said duct body.

1,638,606. CAN POLISHING AND SCOURING MACHINE. WILLIAM W. WADSWORTH, Tremonton, Utah. Filed Aug. 26, 1926. Serial No. 131,697. 12 Claims. (Cl. 15—70.)



1. A can scouring and polishing machine comprising means for feeding cans into the machine, ejecting means for the cans, means for scouring and polishing the can ends and means for alternately operating the ejecting and polishing means.

1,638,607. FEED TANK. ROBERT WARRINER, Braintree, Mass., assignor to Bethlehem Shipbuilding Corporation. Filed June 1, 1925. Serial No. 33,979. 20 Claims. (Cl. 257—24.)

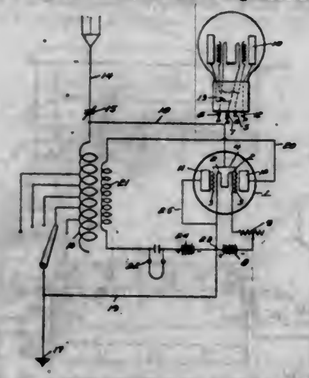


13. In a power plant, the combination with a condenser and its air ejector, of apparatus including a series of chambers, a tube bank for affording communication between the first and third chambers, means for conducting condensate from the condenser to the first chamber, outlet means for the last chamber of the series, means for admitting media discharged from the ejector to the second chamber, vent means for the noncondensible portion of said media communicating with the second chamber, outlet means for the condensible portion of said media communicating with the second chamber, a conduit connecting the main condenser with said apparatus at the downstream side of the tube bank, a valve in said conduit, and a thermostat in a chamber following the tube bank and connected to said valve.

1,638,608. WAVE FILTER RECEIVING CIRCUITS. PETER WELCH and AUDLEY MURPHY, Olean, N. Y. Filed Feb. 6, 1925. Serial No. 7,292. 1 Claim. (Cl. 250—27.)

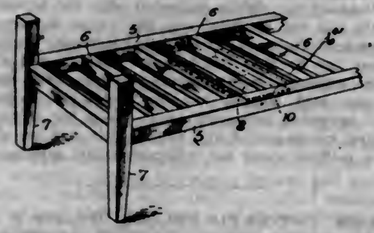
In a radiant energy receiving system, an electron discharge device having a filamentary cathode, a grid, a primary anode, an input circuit including the grid and cathode; an output circuit including the primary anode, cathode, a sound reproducer and a source of potential for applying a positive potential to said primary anode; a source of energy connected with said cathode, a secondary anode in said device having direct electrical connection with the positive terminal of said cathode and

energized with a positive potential by the source of energy connected with the cathode, the potential impressed on the secondary anode being substantially less



than that applied the the primary anode, said grid controlling the transfer of energy from each anode, and a ground connection with said secondary anode.

1,638,609. TRAY FOR SHOE RACKS. FREDERICK E. WILLIS, Brockton, Mass. Filed June 19, 1926. Serial No. 117,165. 1 Claim. (Cl. 211—14.)



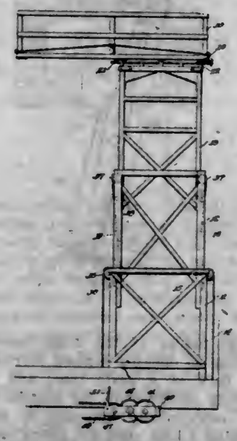
A tray for shoe racks comprising a bottom having a longitudinally extending opening therein, side flanges integral with the bottom, a flange at the end of the tray opposite the slotted end, and aprons projecting outwardly from the upper edges of said flanges.

1,638,610. VENTILATING SCREEN FOR AUTOMOBILES. CLAIR A. BAKER, Detroit, Minn. Filed Nov. 18, 1925. Serial No. 69,783. 1 Claim. (Cl. 296—44.)



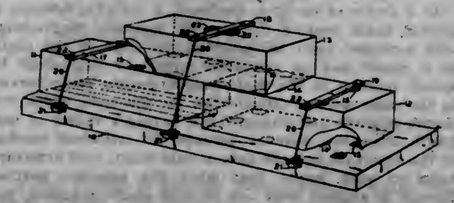
In combination with the window opening of an automobile provided with a slidable window, a spring-actuated roller mounted above said window openings, a fine mesh screen secured at its upper end to said roller, a horizontally extending tubular stiffening member to which the lower end of said screen is secured, spring-actuated clamping rods slidably mounted in said tubular member and having ends extending into the customary side grooves provided for the slidable window, and a flexible strip secured to the lower side of said tubular member for engagement with the upper edge of said slidable window when said screen is held in lowered position by said clamping rods.

1,638,611. EXTENSION TOWER. WILLIAM M. BALDWIN, Trenton, N. J., assignor to J. R. McCardell & Co., Trenton, N. J., a Corporation of New Jersey. Filed Nov. 3, 1922. Serial No. 598,889. 1 Claim. (Cl. 189—11.)



An extensible tower of the class described comprising three telescoping sections adapted to be positioned in nested relation when the tower is lowered, sheaves mounted at the top of the outer section on opposite sides thereof, and having their axes arranged below the top of the section whereby the sheave does not extend above the top thereof, sheaves at the base of the intermediate section on opposite sides thereof, and a pair of sheaves at the top of the intermediate section with axes arranged substantially below the top of said section, the outer section having cross bars at its top bowed downwardly adjacent said top sheaves substantially below the peripheries of the sheaves, a windlass associated with the tower and flexible hoisting means extending from opposite sides of said windlass over said sheaves and secured to the bottom of the innermost section, said innermost section having a revoluble platform thereon.

1,638,612. SHIPPING DEVICE. RICHARD E. BAUS, Detroit, Mich., assignor to The Studebaker Corporation, Detroit, Mich., a Corporation of New Jersey. Filed June 14, 1924. Serial No. 720,102. 5 Claims. (Cl. 280—179.)



1. Means for securing boxes to a floor during shipment, comprising anti-skid plates positioned between said boxes and said floor to prevent horizontal movement

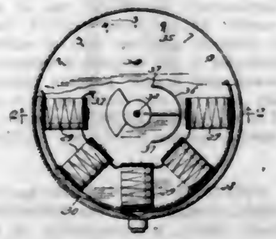
of said boxes, means for preventing vertical movement of said boxes relative to said floor comprising clamp bars overlying said boxes and drawn towards said floor by means of rods anchored adjacent said floor, and blocks secured to said boxes and engaging said clamping bars for preventing relative movement between said clamp bars and said boxes.

1,638,613. SUPPORT FOR COLLAPSIBLE CONTAINER TUBES. BEN CLIFFORD BLACKMON, Dallas, Tex. Filed Apr. 13, 1926. Serial No. 101,714. 1 Claim. (Cl. 221—60.)



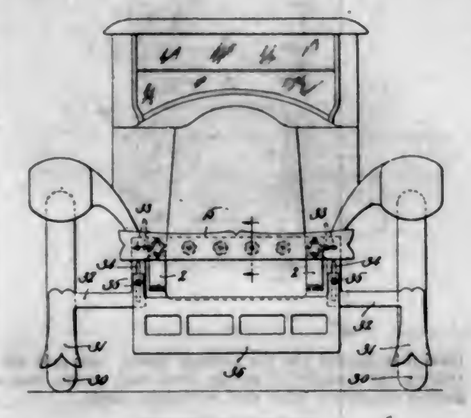
A paste tube holder of the class described including a bottom having an opening formed therein for receiving the threaded neck of a paste tube, and a non-yielding member pivotally mounted on the bottom and having an arcuate edge eccentrically disposed in relation to the pivot for forming a cam edge for biting engagement with the neck so that the same may be held against accidental displacement.

1,638,614. ELECTROMAGNETIC INDICATOR. FRANK G. BREWSTER, White River Junction, Vt. Filed Feb. 25, 1922. Serial No. 539,209. 1 Claim. (Cl. 172—239.)



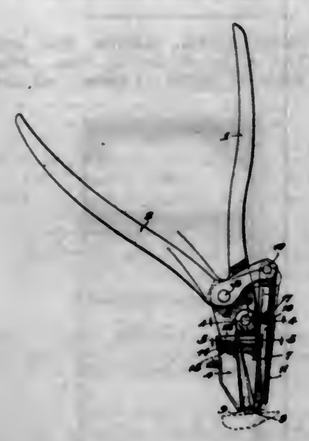
In a device of the type described, a movable member, a pivoted shaft bearing the movable member, electro-magnets arranged upon an arc with the axis of the shaft as a center and an armature carried by said shaft in spaced relation to the shaft, said armature being curved in the same general direction as the arc upon which the electro-magnets are arranged and having a radius of less length than the distance between the attached portion of the armature and the axis of said shaft, said armature being of such length that when the attached portion thereof is aligned with one of said electro-magnets, the end portions thereof are extended between adjacent electro-magnets and the shaft, said armature uniformly decreasing in size from its center to the ends thereof.

1,638,615. BUMPER AND FENDER. JULIUS BUNIS, Malden, Mass. Filed Feb. 16, 1927. Serial No. 168,584. 8 Claims. (Cl. 293—54.)



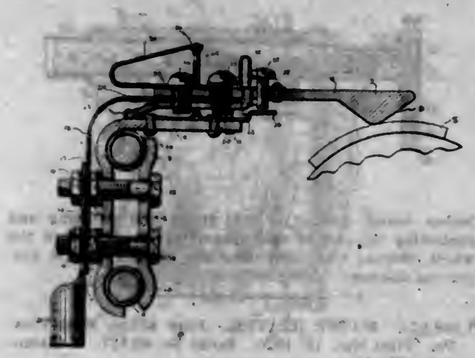
1. A bumper for automobiles comprising a pair of side bar sections adapted to be fixed to the chassis of the vehicle and each made tubular at its forward end; an abutment bar rigidly connected with the forward ends of said side bar sections; side bar piston sections fitting telescopically into said fixed side bar sections; a transverse bumper bar fixed to the forward ends of said side bar piston sections; metal springs between said abutment bar and said bumper bar for yieldingly holding the latter projected forwardly and stop for limiting the forward movement of the bumper bar and its side bar piston sections under the influence of said springs.

1,638,616. COTTER-PIN PULLER. WILLIAM H. BURKE, Winner, S. Dak., assignor, by direct and mesne assignments, to The Burgan Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1925. Serial No. 33,556. 24 Claims. (Cl. 29—86.2.)



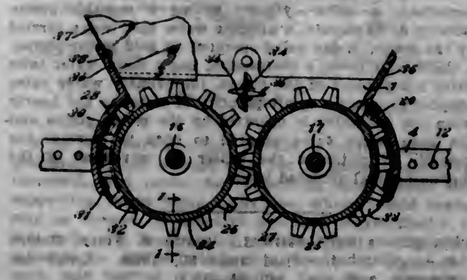
1. A pulling tool comprising pivoted cross handles, one end of one handle being formed with an integral jaw, a fulcrum member pivoted to the corresponding end of the companion handle, and a movable jaw closable against the integral jaw by the fulcrum member.

1,638,617. ELECTRIC SWITCH. HARRY E. CAMPBELL and EARL F. MEKELBURG, Milwaukee, Wis., assignors to Union Electric Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 3, 1925. Serial No. 47,809. 4 Claims. (Cl. 200—170.)



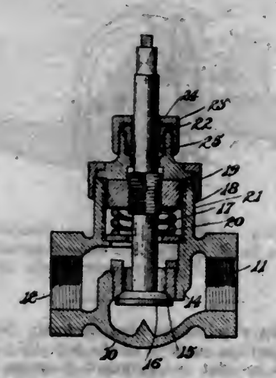
1. An electric switch comprising a supporting means having two contacting portions, a single right angular clamping arm engaging said two contacting portions and having an outwardly extending tongue at one end thereof, said tongue having recesses in the opposite side edges thereof, a single cooperating clamping arm also engaging said two contacting portions, a fulcrum strip mounted on said right angular clamping arm and having a stop portion at the outer end, a link member having one end portion pivotally carried between said fulcrum strip and the clamping arm, a lever arm also having one end portion pivotally carried between the fulcrum strip and the clamping arm, and provided with downwardly extending guide lugs engaging said recesses of said outwardly extending tongue to prevent lateral and endwise movement of the lever arm, yielding contact mechanism carried by said lever arm, and a U-shaped spring interposed between a portion of the link member and the contact mechanism for yieldingly holding the contact mechanism in its inner position.

1,638,618. VEGETABLE AND FRUIT CRUSHER. GIOVANNI R. CATOLDO, Boston, Mass. Filed June 2, 1925. Serial No. 34,362. 5 Claims. (Cl. 83—12.)



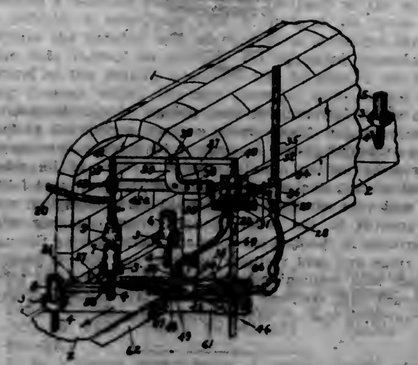
1. Apparatus of the class described comprising a substantially rectangular frame having vertical end walls, shafts journalled in said end walls, said shafts being provided with crushing rolls disposed inside of the frame, radially projecting teeth upon the peripheries of said rolls, said teeth being arranged in circumferentially extending axially spaced series, and ribs upon the inner surfaces of the side walls of the frame disposed between adjacent series of teeth upon the respective rolls.

1,638,619. PACKING-GLAND STRUCTURE. LLOYD D. COLLAR, Oakland, Calif., assignor to Collar Valve Corporation, Oakland, Calif., a Corporation of California. Filed Nov. 25, 1925. Serial No. 71,322. 1 Claim. (Cl. 286—34.)



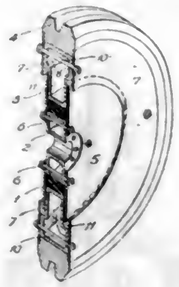
A packing gland structure for a rotatable or reciprocable member of circular cross section, said gland structure including an element through which said member extends, said element being counter-bored at one end, a packing gland member being formed with a bore considerably larger than the diameter of said member and through which said member extends, said gland adapted to be received by the counter-bore in said element, means adapted to engage with said element and force said gland inwardly with respect to the inner end of said counter-bore, said gland member being formed with an inwardly projecting thin annular lip at its inner end contacting with the sides of the member whereby the latter may pivot slightly with said lip as a pivot point.

1,638,620. METHOD AND APPARATUS FOR SHAPING ARTICLES OF GLASS. VIRGIL O. CORNWELL and ALBERT MOELLER, Columbus, Ohio, assignors to The Federal Glass Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 17, 1923. Serial No. 625,718. 41 Claims. (Cl. 49—7.)



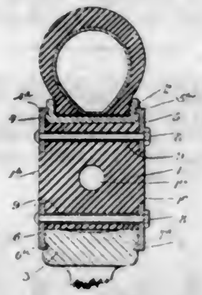
1. The method of treating glass containers which comprises heating their edges to plastic condition, applying an external annular forming device to such edges, and internally bracing such edges with fluid pressure.

1,638,621. VEHICLE WHEEL. OLAVO DE ARAUJO, London, England. Filed May 18, 1927. Serial No. 192,286, and in Great Britain Dec. 4, 1925. 3 Claims. (Cl. 152—36.)



1. A resilient wheel of the kind set forth, characterized in that the abutting surfaces of the hub, felly and interposed cushion are flat and arranged in prism formation to prevent their turning relatively to one another, and that the hub and felly are hollow, and that the felly is constituted by a hollow annular T-head provided with side plates secured to said T-head by bolts passed through the same, said plates extending inwardly of said T-head to form annular gaps therebetween and the leg of the T-headed felly, and said plates extending beyond said felly to embrace a solid rubber tyre thereon.

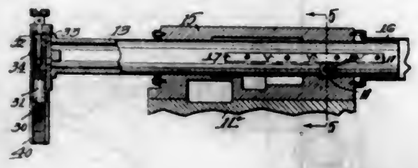
1,638,622. VEHICLE WHEEL. EDWARD DONAGHY, Lisburn, Ireland. Filed Nov. 10, 1925, Serial No. 68,223, and in Great Britain June 4, 1925. 1 Claim. (Cl. 152—36.)



A wheel for vehicles comprising, in combination, a felloe having a transversely concave peripheral surface and an annular groove in each of its sides, a tyre carrying rim having an annular groove in each of its sides, a resilient annular member interposed between said felloe and said tyre carrying rim, flanged rings engaging with the grooves in the felloe, flanged rings engaging with the grooves in the tyre carrying rim, bolts passing through said rings and said resilient member, and sleeves passing through said resilient member and surrounding the bolts, to secure said resilient member on said felloe and said tyre carrying rim on said resilient member.

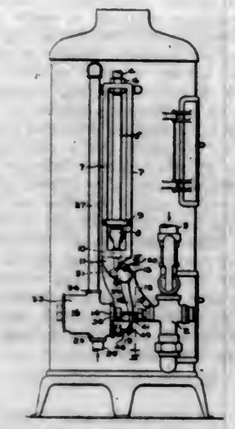
1,638,623. WHEEL-TRUING DEVICE. ALDEN M. DRAKE, Greenfield, Mass., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1926. Serial No. 93,001. 8 Claims. (Cl. 125—11.)

5. In a grinding machine, a frame, a wheel shaft rotatably mounted therein, a wheel dressing tool, a tubular supporting member for said dressing tool, said member being slidable in a bearing adjacent said wheel shaft and in a path parallel to and axial of said wheel shaft, and a



hollow casing secured to said frame and receiving and protecting the end of said supporting member when the wheel dressing tool approaches the bearing of said supporting member.

1,638,624. WATER HEATER. JOHN ELLIS, West View, Pa. Filed Mar. 11, 1926. Serial No. 93,837. 3 Claims. (Cl. 236—23.)

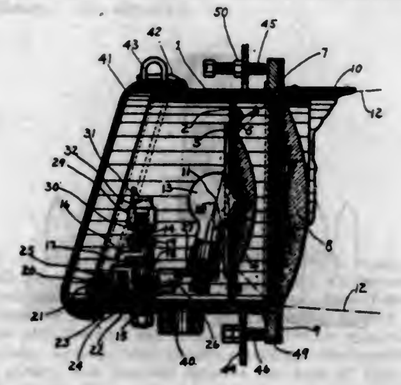


1. In a water heater, the combination of a water motor comprising a water cylinder having a movable piston slidably fitted therein, a primary water inlet valve carried by the piston, a gas valve operated by said motor piston, a thermostat lever, a thermostat, and a main water inlet valve independent of the piston, the primary water valve adapted to admit a small quantity of water to the heater when the gas valve is operated by the motor piston and the main water valve adapted to open to increase the quantity of water to the heater by movement of the thermostat and actuated lever.

1,638,625. LIGHT SIGNAL. OSCAR S. FIELD, Roselle Borough, N. J. Filed June 30, 1924. Serial No. 723,225. 5 Claims. (Cl. 24—44.)

1. A light signal comprising a case, a source of light in said case, optical means supported by said case for projecting a beam of light from said source, a first stud rigidly attached to said case, a carrier member provided with a hole freely receiving said stud, means for locking the carrier member in adjusted position with respect to said first stud, a second stud attached to said light source and mounted in said carrier member for movement relative thereto at right angles to said first stud, means for locking said second stud in adjusted position with

respect to said carrier member, and sighting means receiving light from said source whereby said source may



be accurately located at the focal point of said optical means, a portion of said sighting means being supported on said first stud.

1,638,626. HEATING MEANS FOR ROLLS. GORDON FOX, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 30, 1925. Serial No. 26,904. 8 Claims. (Cl. 80—41.)

8. In combination, a pair of rolls, a heater mounted in proximity to one of said rolls but in spaced reationship therewith, and means for supporting said heater, said supporting means being adjustable, whereby said heater may be secured at selective positions longitudinally of said rolls, said heater being provided with heating strips mounted in spaced relationship longitudinally of said rolls, said heating strips having their long dimensions arranged circumferentially of said rolls, said heating strips being provided with means for individually controlling the heating effects of said strips.

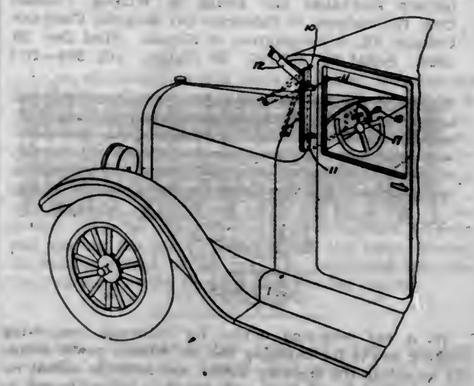
1,638,627. HINGED LAST. EDWARD W. GERRISH, West Lynn, Mass. Filed Oct. 16, 1926. Serial No. 141,923. 10 Claims. (Cl. 12—136.)

1. A last consisting of a fore part and a heel part having alined vertical slots and transverse semi-cylindrical depressions in their opposed faces; vertical plates secured one in each part and overlapping each other and one movable relatively to the other; and a pivot pin immov-



ably positioned in one of said plates with its opposite ends extending beyond the outer faces of said plates and disposed in said depressions.

1,638,628. AUTOMOBILE SIGNAL DEVICE. JACOB GRANTER and JACOB DAVIS, Oakland, Calif. Continuation of application filed Apr. 6, 1925, Serial No. 21,236. This application filed Dec. 1, 1926. Serial No. 151,848. 2 Claims. (Cl. 116—54.)

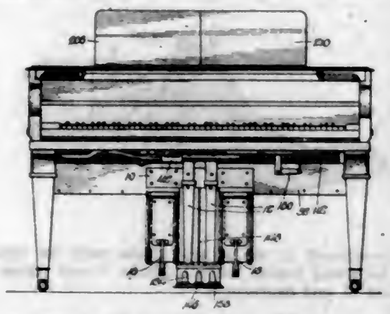


1. A direction indicator of the character described comprising a housing adapted to be arranged at the side of a vehicle, a semaphore arm pivoted at its upper end within the housing and adapted to be extended through one side thereof to indicate the intended direction of travel of the vehicle, a closure for the side of the housing through which the arm extends, said closure comprising an upper closure member pivoted at its upper end to the housing, and a lower closure member secured to said arm, said closure members being adapted to swing outwardly in unison with the arm and to unite when the arm is disposed within the housing to form a closure for the side of the housing through which said arm operates.

1,638,629. PLAYER GRAND PIANO. CHRISTIAN GULBRANSEN, Chicago, Ill., assignor to Gulbransen Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 26, 1923. Serial No. 670,875. 7 Claims. (Cl. 84—27.)

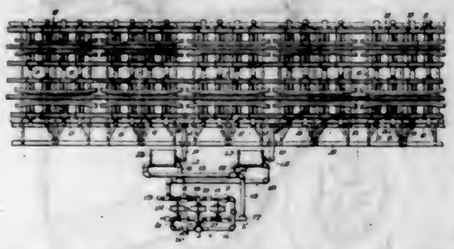
1. In a player grand piano, a casing, frame, strings, bed and piano action, a roll box on the top of the frame serving also as a music stand, a tracker bar in said roll box, a player action fastened to the bottom of the bed, and having striker rods, a cleat fastened to the bottom of the bed above the player action striker rods, vertically slidable extensions in said cleat riding on the player action striker rods and connecting them to the piano

keys, pneumatic tubes connected to said player action, connectors in said cleat receiving said tubes, tubes extending from said cleat connectors above the frame, tubes



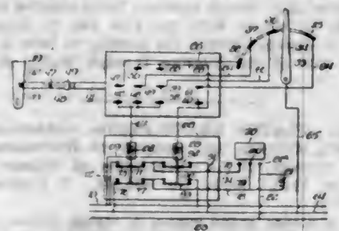
leading from the tracker bar out of said roll box, and detachable connecting means above the frame for connecting the tubes from the tracker bar with the tubes from the cleat.

1,638,630. CONTROL MECHANISM FOR BRAKES. GEORGE HANNAUER and EDGAR M. WILCOX, Calumet City, Ill., assignor to Hannauer Car Retarder Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 20, 1924. Serial No. 757,105. 33 Claims. (Cl. 303—20.)



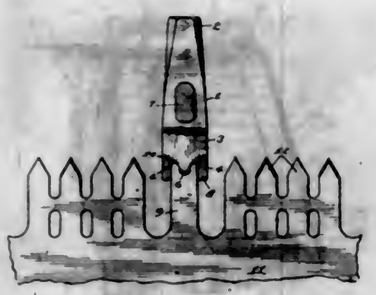
10. A car retarding device for railroads comprising braking means for engaging the car wheels, power means for actuating the breaking means, and multiple circuit remote control means for governing said power means to cause the braking means to engage the car wheels with any one of a plurality of predetermined pressures.

1,638,631. TRACK-BRAKE MECHANISM AND CONTROL MEANS THEREFOR. GEORGE HANNAUER, Calumet City, Ill., and EDGAR M. WILCOX, Hammond, Ind., assignors to Hannauer Car Retarder Company, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1925. Serial No. 30,433. 40 Claims. (Cl. 188—162.)



21. Track brake apparatus for railroads comprising retarding means coacting with the car wheels, a motor, a member through which said motor actuates said retarding means, and multiple circuit control means operatively associated with said member for controlling said motor, whereby said retarding means may exert graduated braking pressures.

1,638,632. SAW-SWAGING HAMMER. JENS HARSELBERG, Sacramento, Calif. Filed Dec. 14, 1925. Serial No. 75,348. 3 Claims. (Cl. 76—56.)



2. A saw swaging hammer comprising a body having an eye adapted to receive a handle, one end of said body being slightly tapered to form a striking element; a swaging portion formed upon the opposite end of the body said portion being of reduced thickness and having angularly disposed arcuate surfaces formed upon the outer end thereof, said surfaces intersecting at a central apex and being adapted to expand and shape the outer ends of raker teeth of saws; and a guide adjacent one side of the swaging portion to engage the back of a tooth.

1,638,633. INTERNAL MANDREL FOR SECTIONAL BOILER HEADERS. JOHN H. HINMAN, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 11, 1925. Serial No. 68,376. 8 Claims. (Cl. 153—73.)



1. A mandrel for internally supporting a tube that is being deformed to produce a sectional header, consisting of die bars provided with die elements, a collapsible means for rigidly supporting said die bars during the deforming operation comprising a pair of members arranged between said die bars and provided with oppositely-inclined contacting surfaces and means for moving one of said members longitudinally of the other member at the completion of the deforming operation so as to partially collapse the mandrel and thus prevent the header from gripping the die elements.

1,638,634. GIRDER. LAURENCE S. LACHMAN, New York, N. Y., assignor to Universal Electric Welding Company, a Corporation of New York. Filed Nov. 9, 1923, Serial No. 673,656. Renewed May 5, 1927. 7 Claims. (Cl. 189—37.)



4. An electrically welded girder comprising upper and lower pairs of bars disposed on edge and which are flat except for indented projecting portions, the projecting portions of the bars of each pair extending toward each other and diagonal bar members inclined in opposite directions, having their planes extending transversely of the girder, and disposed between the bars of each pair and electrically welded to the latter through the intermediary of the indented projecting portions.

1,638,635. GIRDER. LAURENCE S. LACHMAN, New York, N. Y., assignor to Universal Electric Welding Company, a Corporation of New York. Filed Nov. 9, 1923, Serial No. 673,657. Renewed May 5, 1927. 3 Claims. (Cl. 189—37.)



1. A skeleton girder comprising parallel angle members, the apices of which oppose each other, a zigzag member provided with projections spaced laterally to each other, the angle members being electrically welded to to the bends of the zigzag members at their apices so that the sides of an angle member seat upon the projections.

1,638,636. ELECTRICALLY-WELDED GIRDER. LAURENCE S. LACHMAN, New York, N. Y., assignor to Universal Electric Welding Company, a Corporation of New York. Filed Nov. 9, 1923, Serial No. 673,658. Renewed May 5, 1927. 3 Claims. (Cl. 189—37.)



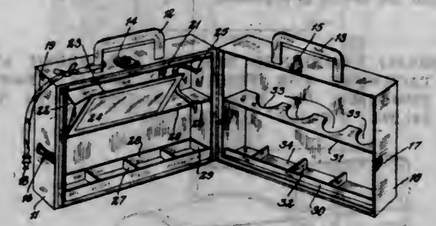
1. A structural beam comprising parallel angle members, the apices thereof opposed to each other, two zigzag bars each provided with parallel indented ribs, each of the zigzag members being electrically welded at its outer bends to the apex of an angle member so that the sides of the angle seat upon the ribs, and the inner bends of the angle members being electrically welded at their grooved surfaces.

1,638,637. GIRDER. LAURENCE S. LACHMAN, New York, N. Y., assignor to Universal Electric Welding Company, a Corporation of New York. Filed Nov. 9, 1923, Serial No. 673,660. Renewed May 5, 1927. 2 Claims. (Cl. 189—37.)



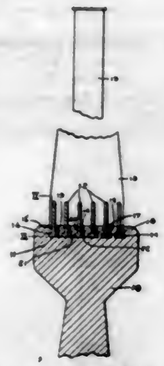
1. An electrically welded skeleton, girder, beam or the like the upper and lower members of which consist each of a pair of metal bars arranged parallel to one another each provided with a flange projecting toward one another, the general plane of each bar being substantially parallel to the general plane of the girder, and a zigzag member defining braces or struts and consisting of a plate disposed at all points in planes transverse to the general plane of the structure and interposed between and spacing the pairs of bars apart, the bends thereof electrically welded to the bars and contacting with the inner surfaces of the flanges and supported thereby.

1,638,638. COMBINATION DISPLAY AND VANITY CASE. THOMAS J. LEWIS, New York, N. Y. Filed Jan. 19, 1927. Serial No. 162,173. 3 Claims. (Cl. 182—79.)



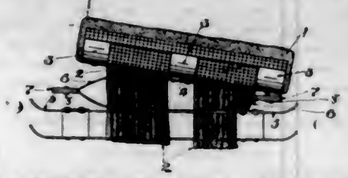
1. A case as described comprising a pair of endwise hingedly connected parts, flat, substantially U-shaped handles for the parts, partition walls for dividing each of said parts into a plurality of chambers for the reception of articles of personal wear and use, one of said chambers closed by a bellows-like structure, and means for locking and holding the parts together in the closed position of the case.

1,638,639. TURBINE BLADING. ROLAND MARSLAND, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 18, 1923. Serial No. 663,435. 8 Claims. (Cl. 253—77.)



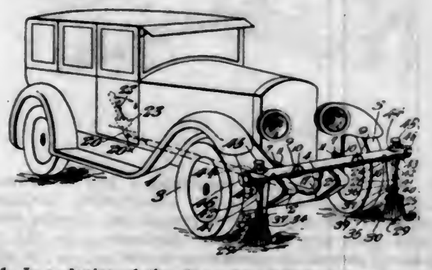
1. In a turbine, the combination of a rotor having a plurality of circumferential grooves which are L-shaped in cross section and blades each of which is provided with a plurality of L-shaped root portions fitting in the grooves.

1,638,640. LUBRICATING DEVICE FOR RAILWAY VEHICLE AXLES. ERNEST MOONEY, York, England. Filed Jan. 27, 1927, Serial No. 163,981, and in Great Britain Feb. 26, 1926. 4 Claims. (Cl. 308—88.)



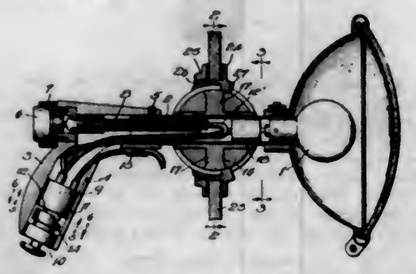
1. In a lubricating device of the class described, an absorbent pad, a yieldable frame supporting said pad, said frame comprising a cradle, side members, elliptical members connected to said cradle and said side members, and means extending transversely of the frame and connected to said elliptical members to prevent the wedging of the cradle between the elliptical members when the device is depressed.

1,638,641. COMBINED BUMPER AND BRUSH ATTACHMENT FOR VEHICLES. THOMAS O'BRIEN, Philadelphia, Pa. Filed Nov. 9, 1926. Serial No. 147,224. 7 Claims. (Cl. 293—55.)



1. In a device of the character stated, a front, tubular bumper adapted for installation transversely upon a vehicle, vertical sleeves secured to the outer ends of said bumper, rods carrying brushes at their lower ends and telescoping into said sleeves, pulleys in said bumper, cables extending over said pulleys and through said tubular bumper and having their outer ends connected to said rods and brushes, and means connected to the inner ends of said cables for actuating said cables, rods and brushes to raise and lower the latter.

1,638,642. COMBINED SPOTLIGHT AND CIGAR LIGHTER. RICHARD F. SCHIELE, Glen Ellyn, Ill. Filed May 17, 1923. Serial No. 639,660. 6 Claims. (Cl. 175—296.)



1. In combination, a lamp, a lighter removably secured thereto, an electrical contact for each of said members, and a movable contact carried by said lighter and operable to selectively engage said contacts.

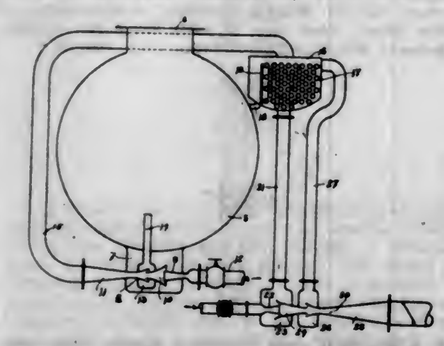
1,638,643. MEDIUM FOR TREATING OILS AND METHOD OF MAKING THE SAME. HANS SCHLOSSTEIN, Chicago, Ill. Filed Feb. 25, 1927. Serial No. 171,082. 5 Claims. (Cl. 252—1.)

1. A hydrous-alumino-silicate containing magnesium hypochlorite combined therewith and double salts of aluminum and magnesium hypochlorites.

1,638,644. MEDIUM FOR TREATING OILS AND METHOD OF MAKING THE SAME. HANS SCHLOSSTEIN, Chicago, Ill. Filed Apr. 21, 1927. Serial No. 185,664. 3 Claims. (Cl. 252—1.)

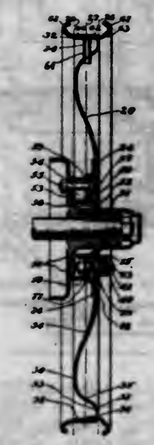
1. A hydrous-alumino-silicate admixed with calcium chloride, magnesium hydroxide and chlorine.

1,638,645. CONDENSER INSTALLATION. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 28, 1920. Serial No. 433,683. 7 Claims. (Cl. 162—1.)



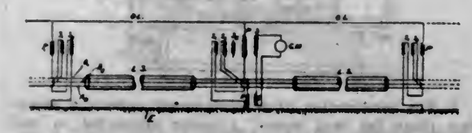
1. In combination with a condenser, first and second stage ejector apparatus for removing condensate from the condenser, a cooler interposed between the first and second stage ejectors, and overflow means associated with the second stage ejector and discharging into the cooler.

1,638,646. WHEEL. FRED C. SCHOENTHAL, Buffalo, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed June 29, 1922. Serial No. 571,811. 10 Claims. (Cl. 301—9.)



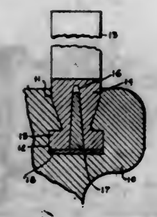
9. In a disk wheel, a hub, an adapter carried by and rigidly secured to said hub, said adapter having an annular shoulder and a conical face, a disk having a central opening of a diameter larger than that of the shoulder, a ring on said disk having a conical inner face engaging the face of said adapter when the wheel is assembled, means for securing said adapter to said hub, and means independent of said adapter securing means for securing said disk to said adapter.

1,638,647. ELECTRIC POWER-TRANSMISSION SYSTEM. ALFRED MILLS TAYLOR, Erdington, Birmingham, England. Filed Jan. 11, 1927, Serial No. 160,494, and in Great Britain July 11, 1925. 5 Claims. (Cl. 171—97.)



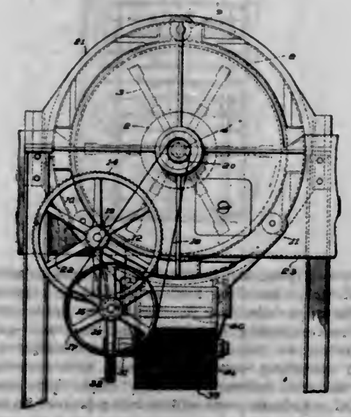
1. In a high-tension alternating-current transmission system, transmission conductors including the combination of overhead lines and intersheathed underground cables, means to transmit current through said overhead lines and underground cables at high voltages on the interstheathed cables and a relatively higher voltage on the overhead lines than the limits possible with the underground cables, and transformers with tappings connecting the overhead lines and cores of the cables for distributing the potentials and adjusting the loads on the individual cores of the cables.

1,638,648. TURBINE-BLADE FASTENING. HENRY R. TROTTER, Swarthmore, and HENRY F. SCHMIDT, Lansdowne, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,211. 5 Claims. (Cl. 253—77.)



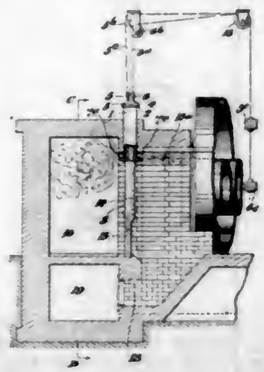
1. In a turbine, the combination of a blade-carrying element having a blade groove therein with lateral recesses, a blade having a root portion with lateral projections to fit the groove and being divided longitudinally so as to provide an intermediate recess having walls inclined longitudinally of the blade, wedge means fitting the inclined walls of said recess, and second wedge means for driving the first wedge means longitudinally of the blade.

1,638,649. HORIZONTAL OPENER AND CLEANER. JOHN K. WHITTIER, FELIX D. LANGEVIN, and ROBERT S. CURLEY, Lowell, Mass., assignors, by mesne assignments, to Kitson Machine Shop, a Corporation of Massachusetts. Filed Sept. 30, 1924. Serial No. 740,779. 6 Claims. (Cl. 19—90.)



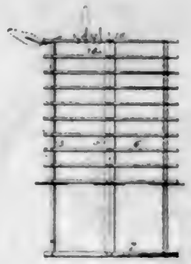
1. A cotton cleaning and opening machine comprising, in combination, a casing having inlet and outlet openings for the entrance and discharge of the cotton, mechanism within said casing for acting on the cotton to separate the dirt therefrom, and a belt conveyer for receiving the dirt so separated and discharging it from the casing, said conveyer having yieldingly faced lugs spaced thereon and extending transversely across the belt, and said casing having housings cooperating with said lugs to prevent any substantial leakage of air around the conveyer.

1,638,650. DAMPER FOR BOILER AND LIKE FURNACES. THOMAS WILLIS, Mumbles, Swansea, South Wales. Filed Nov. 10, 1926, Serial No. 147,532, and in Great Britain Feb. 10, 1926. 1 Claim. (Cl. 126—285.)



A device adapted to be positioned within a flue or other passage for controlling the draft therethrough comprising a frame, a pair of damper plates mounted in said frame for sliding movement into different overlapping and relatively separated positions, and means affording passage for gas through said frame in all positions of said plates with respect thereto.

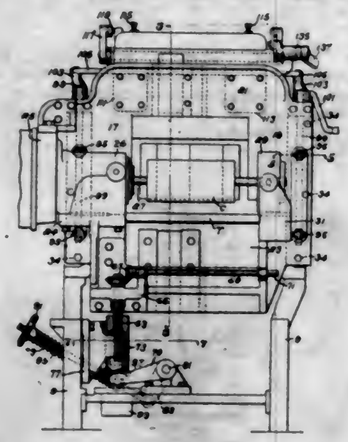
1,638,651. SEED-CORN DRYING RACK. BENJAMIN L. BAIN, Cedar Rapids, Iowa. Filed Dec. 1, 1926. Serial No. 152,038. 4 Claims. (Cl. 34—26.)



1. A corn-drying rack having parallel upright standards and uniform, connecting, horizontal rails, a supplemental rack adapted to abut on the top of the main rack, and having corresponding standards, the terminal standards being pierced for lateral connection with adjacent racks, laterally extending supplemental racks with corresponding standards, and splices to connect the main and supplemental standards, said splices being pierced to coincide with both the lateral extension holes and the rail connection holes of the standards.

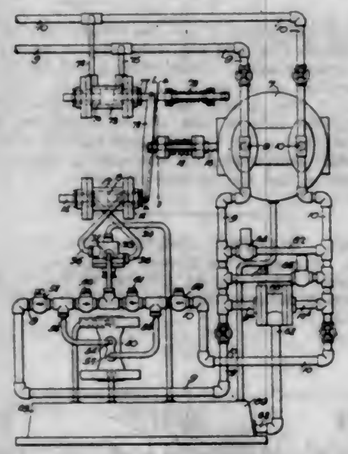
1,638,652. WOODWORKING MACHINE. LAURENCE E. BLOOD, Boston, Mass., assignor to S. A. Woods Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 16, 1926. Serial No. 155,189. 14 Claims. (Cl. 144—134.)

1. In a machine of the type described, in combination with the table over which the work is fed, a cutter head yoke freely reciprocable vertically and carrying a cutter head overlying the table, shoes carried by the yoke to ride on the work on the table whereby to position said yoke, a lever system on which the yoke rests and means projecting at the side of the machine for manipulation



for applying a variable counterbalancing pressure to said system for counterbalancing a desired portion of the weight of the yoke and parts thereon.

1,638,653. HYDRAULIC MECHANISM. EARL CANNON, Philadelphia, Pa., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 25, 1923. Serial No. 641,443. 19 Claims. (Cl. 60—52.)

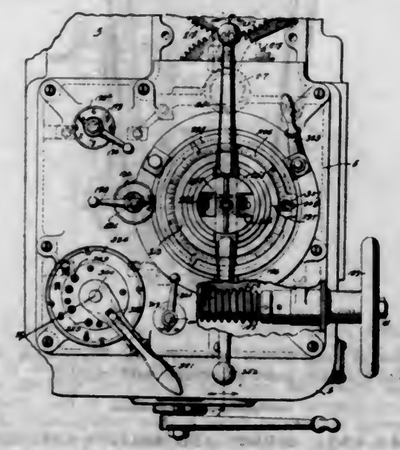


2. The combination of a continuously operating pump; two pipes for said pump; a motor connected to said pipes; and a device connected to be actuated by changes in pressure of liquid in said pipes for automatically reversing the direction of flow of liquid therein.

1,638,654. RADIAL DRILL. JACK C. CARLTON, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 12, 1924. Serial No. 698,686. 8 Claims. (Cl. 192—189.)

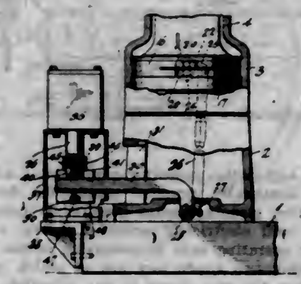
1. A driving element independently mounted, a journal, a driven element on said journal, friction discs for each element adapted when compressed to cause rotation of

the elements in unison, means for compressing said discs, and means for automatically releasing said compressing means, comprising a translatable member traversing said journal and attached at one end to said compressing means, and further adapted to be actuated by and to actuate said compressing means, a portion of said trans-



latable member engageable from an outside point, a lever independently mounted having one end engageable with said translatable member when the discs are compressed, and a lug upon said driven element engageable with the lever whereby when said lug engages said lever said translatable member is actuated to release said compressing means.

1,638,655. RADIAL-DRILL COLUMN-CLAMP CONTROL. JACK C. CARLTON, Cincinnati, Ohio, assignor to The Carlton Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 7, 1926. Serial No. 79,834. 1 Claim. (Cl. 77—28.)



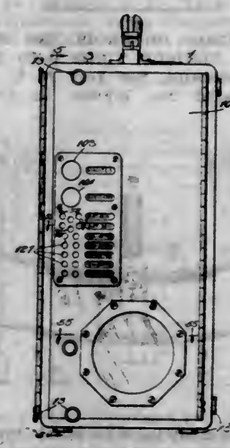
In a radial drill, a column, an arm carrying sleeve concentrically engaged about and rotatable upon the column, frictional clamping means interposed between the column and sleeve for rigidly binding said parts together, a rock shaft at the base of the column, connections between said rock shaft and clamping means for actuating said clamping means, a lever arm fixed to the rock shaft, a weight loosely engaged upon said lever arm for depressing said lever arm and maintaining said clamping means in active position for binding the column and sleeve, and an electromagnet having an armature engaging with said weight for operating said arm when the magnet is energized, releasing the binding engagement of the friction means with the column and sleeve.

1,638,656. METHOD OF AND MEANS FOR RECLAIMING LANDS AND FORMING BULKHEADS. ALEXANDER CRAWFORD CHENOWETH, New York, N. Y.; Catharine R. Chenoweth administratrix of said Alexander Crawford Chenoweth, deceased. Original application filed June 11, 1915, Serial No. 33,608. Divided and this application filed Oct. 16, 1920. Serial No. 417,309. 4 Claims. (Cl. 61—4.)



2. The combination of a vertical elevated structure arranged upon the ground, and protecting reinforced composition coverings or mats resting upon the said ground and at their upper ends engaging the said structure and forming a bulkhead or the like, and a filling back of said mats.

1,638,657. TESTING AND RECORDING DEVICE. CLAUDE E. COX, Detroit, Mich. Filed Aug. 22, 1921. Serial No. 494,205. 17 Claims. (Cl. 234—1.)

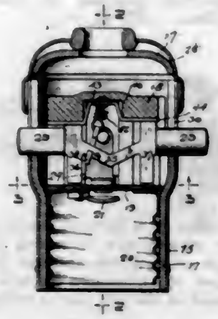


1. In an apparatus of the kind described and in combination, a movable chart having scale lines thereon, means operating in conjunction with said scale lines for indicating and recording desired information at definite intervals on said chart, said last-named means comprising a chronometer, a frame movable relatively to said chart, marking means pivotally carried by said frame, means engageable for intermittently actuating said marking means, and electromagnetic means controlled by said chronometer for periodically moving said frame in alternate directions to engage said marker actuating means.

1,638,658. ELECTRIC SWITCH. HENRY O. ENGSTROM, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 11, 1924. Serial No. 719,893. 3 Claims. (Cl. 173—335.)

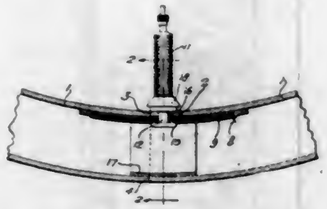
1. An electric switch comprising an insulating body recessed to afford a switch chamber with guideway opening thereto, a rectilinearly movable actuator accommodated in said guideway and movable across said switch

chamber, said actuator comprising a peaked cam, a switch piece movable across the switch chamber and riding said cam, a spring anchor to which one end of said



spring is attached, and a sliding engagement between said anchor and the actuator serving to hold said anchor against displacement under the stress of the spring.

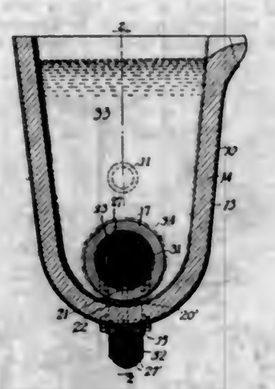
1,638,659. METHOD OF PRODUCING PNEUMATIC TUBES FOR VEHICLE TIRES AND THE LIKE. WALTER L. FAIRCHILD, New York, N. Y. Filed Sept. 11, 1924. Serial No. 737,088. 2 Claims. (Cl. 154—14.)



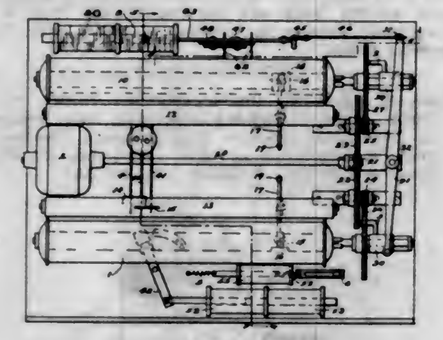
1. A method of producing a pneumatic tube for vehicle tires, which comprises providing a tube of unvulcanized rubber, providing a ring composed of two superimposed strips of unvulcanized rubber with interposed fabric reinforcing means, inserting a valve stem through said ring, positioning said ring into one of the free ends of said tube so that said valve stem extends therethrough, abutting the opposite end of said tube with the first mentioned end thereof, so that both ends of the tube embrace said ring, kneading the material of said tubes adjacent the ends thereof so that the free ends of said tube and said ring become substantially homogeneous, and then vulcanizing said tube and ring.

1,638,660. ELECTROTHERMIC CRUCIBLE. CHARLES B. FOLEY, Dayton, Ohio, assignor to Charles B. Foley, Inc., a Corporation of New York. Filed Nov. 17, 1913, Serial No. 801,474. Renewed Dec. 28, 1916. Serial No. 139,437. 23 Claims. (Cl. 204—64.)

1. An electric induction furnace, comprising a crucible provided with a refractory channel extending through the crucible from side to side and opening exteriorly thereof, said channel being so located as to produce the greatest heating effect at the bottom of the crucible and having its sides so arranged relatively to the sides of the crucible as to leave a passage between them which increases in cross-section upwardly, in combination with induction means passing through said channel.

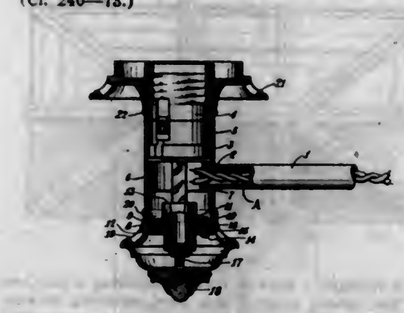


1,638,661. STREET AND STATION INDICATOR. THOMAS BRYAN FOTHERINGHAM and MAR MCINTYRE, Seattle, Wash. Filed June 1, 1926. Serial No. 112,863. 1 Claim. (Cl. 40—53.)



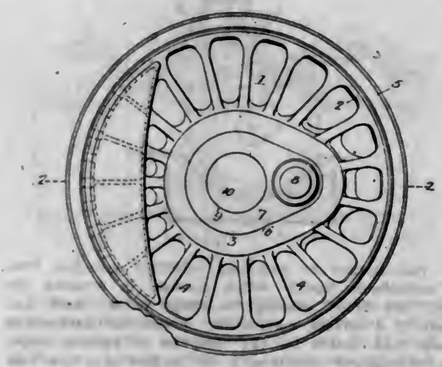
A street and station indicator comprising a name carrying web, electrically actuated means for feeding said web, and feed stopping means comprising means for de-energizing said electrically actuated means, an electric circuit for operating said de-energizing means, said circuit including two conductors one of which carries the current when the web moves in one direction, the other of which carries the current when the web moves in the other direction, an electrically operated reversing mechanism and a switch operated thereby for switching one or the other of said conductors into the circuit depending on the direction of movement of the web, each of said conductors having a contact finger, a third contact finger in said circuit, a roller turned by the feeding of the web, said roller having two bridge bars extending lengthwise of and at the surface of the roller, said bridge bars being angularly spaced and longitudinally overlapping towards one end, said third contact finger being arranged to engage both bridge bars, and each of the other contact fingers being arranged to engage its respective one of the bridge bars to thereby close the circuit of the feed stopping means.

1,638,662. ELECTRIC-SOCKET SUPPORT AND HOUSING. FREDERICK A. FERRICHS, Philadelphia, Pa., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 23, 1926. Serial No. 104,135. 8 Claims. (Cl. 240—73.)



1. A fixture stem, a standard electric socket shell, a hickey secured to the shell, a housing in which said shell is mounted, said housing having a thickened wall where the stem joins it, an apertured disc which closes the lower end of said housing, a plate secured to the disc, a threaded stem thereon which enters said aperture, said stem fitting the threaded part of the hickey of said socket shell, and means to prevent the rotation of said disc carrying the shell.

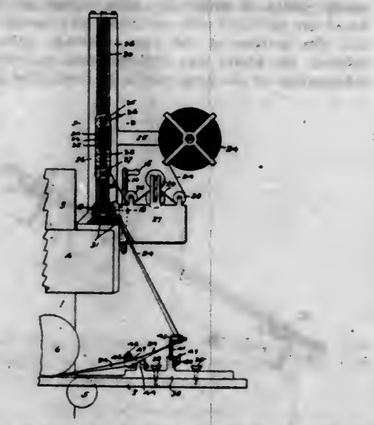
1,638,663. DRIVING WHEEL FOR LOCOMOTIVES, ETC. HARRY GLAENZER, Philadelphia, Pa. Filed June 22, 1927. Serial No. 200,688. 3 Claims. (Cl. 295—2.)



1. The combination in a driving wheel for locomotives, etc., of a wheel centre having a hub provided with an opening; and a supplemental hub driven into the opening and having a crank pin integral therewith.

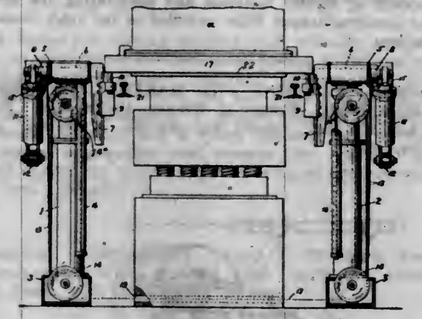
1,638,664. VENEER-TAPING MACHINE. HUGH G. GREENFIELD, Tacoma, Wash., assignor of one-half to Variety Machinery Company, Tacoma, Wash., a Corporation of Washington. Filed Oct. 11, 1926. Serial No. 140,774. 4 Claims. (Cl. 144—279.)

1. In a veneer taping machine, the combination with a veneer feed mechanism; a variable-speed drive mechanism; a variable-course tape-guiding mechanism; and manually-operated means connecting said variable-speed drive mechanism to said variable-course tape-guiding mechanism, whereby the length of exposed moist tape is



increased as the speed is increased to render the time of exposure of the moist tape substantially uniform.

1,638,665. MOLDING MACHINE. WILFRED LEWIS, Haverford, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 26, 1925. Serial No. 58,687. 7 Claims. (Cl. 22—29.)

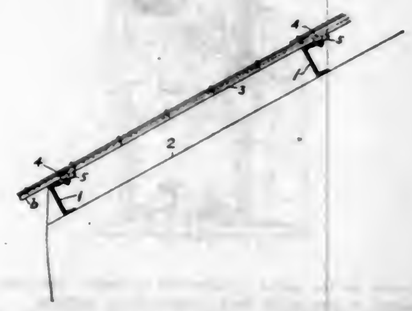


1. A molding machine including a pair of spaced lifting plungers arranged at each side of the machine, a lifting head for each pair of plungers, a double armed crank shaft mounted in each head and whereof one arm is a mold table carrier arm and whereof the other arm is a rollover arm, a rollover cylinder, a piston interposed between each lifting head and its rollover arm, parallel motion cable gear accommodated by the space provided between the lifting plungers of each pair of plungers and adapted to secure synchronous movement of said lifting heads, a mold table having detachable lift off pin connection with the table carrying arms, jar ramming and flask receiving mechanisms accommodated by the space provided between the pairs of plungers, and spring locking mechanism carried by the mold table for normally locking the mold table to the table carrying arms and adapted to be released by contact with the top face of the jar ramming mechanism.

1,638,666. ROOF OR SKYLIGHT CONSTRUCTION. ARNO SHUMAN, Philadelphia, Pa., assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Dec. 20, 1924. Serial No. 757,089. 1 Claim. (Cl. 108—16.)

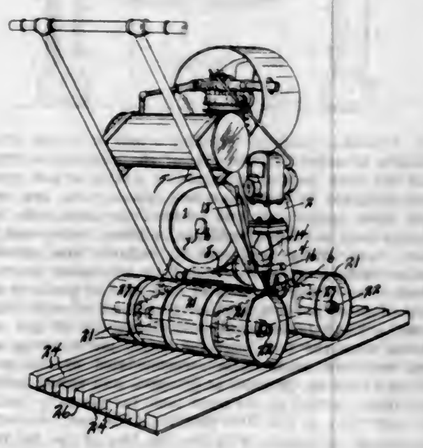
A skylight and roof construction including purlins, V-bars arranged on top and crosswise of the purlins with

their gutter-faces confronting the purlins, slip shackles embracing the free edges of the gutter walls of the bars, clamp plates of which the tails engage the purlins and which are provided with upturned blunt-wedge toes taking into the gutters of the bars, carriage bolts interposed between the plates and shackles and operative to cause deformation of the bars, sheets of corrugated glass resting



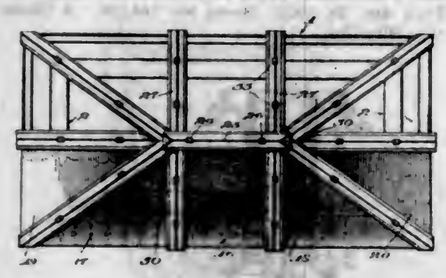
on the purlins with their margins spaced apart at the bars, metal strips overlying the adjoining margins of the sheets and covering the bars and provided with toes engaging the eave edges of the sheets, and pointed screws disposed at rigular intervals and penetrating the strips and engaging tapped holes provided in the ridge faces of the bars.

1,638,667. MACHINE FOR MAKING COMPRESSED CONCRETE. ROBERT C. STUBBS, Dallas, Tex. Filed Jan. 27, 1927. Serial No. 164,094. 4 Claims. (Cl. 94—48.)



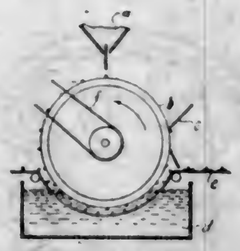
2. In a device for compressing concrete by means of vibrations; a plate adapted to be placed in contact with freshly laid plastic and provided with direction controlling openings for escape of air and surplus water and provided with direction controlling openings for escape of air and water.

1,638,668. SKYLIGHT. SIDNEY VOLK, Benton Harbor, Mich. Filed May 1, 1925. Serial No. 27,251. 2 Claims. (Cl. 108—16.)



1. In a skylight, a metallic frame comprising a base bar, a ridge bar, spaced inclined sash bars extending between the ridge bar and the base bar, and glass panels extending between the ridge bar and base bar and each having the lateral edge portions thereof supported upon adjacent sash bars, said sash bars having oppositely extending glass panel supporting flanges at their upper edges, said flanges having the outer edges thereof turned upward to retain putty on said flanges underneath the overlying edge portions of said glass panels.

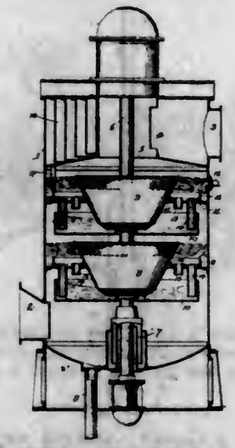
1,638,669. METHOD OF OBTAINING SOLIDIFIED GRANULES OR PEARLS FROM LIQUIDS. WILHELM WACHTEL, Berlin, Germany, assignor to the Firm Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Filed June 20, 1925. Serial No. 40,363, and in Germany Dec. 15, 1924. 4 Claims. (Cl. 83—91.)



1. The method of obtaining solidified granules from hot solidifiable liquids which consists in forming the liquid into drops, causing the drops to fall upon and adhere to a surface, moving the surface continuously to present new points for the reception of further drops, and continuously maintaining the surface at a low temperature to gradually solidify the drops, passing the drops while adhering to the surface through a cooling bath, and removing the solidified drops from the surface.

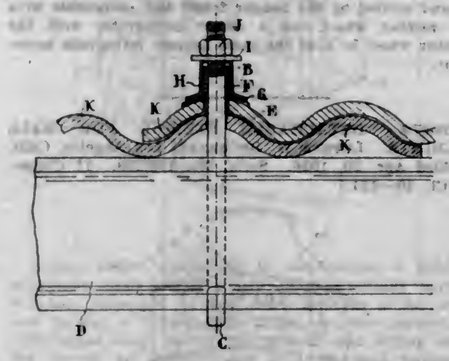
1,638,670. LIQUID AND GAS CONTACT APPARATUS. FREDERICK H. WAGNER, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed June 17, 1925. Serial No. 37,794. 6 Claims. (Cl. 261—91.)

1. In an apparatus of the character specified, the combination of a casing; a receptacle located therein with its edges in spaced relation to the wall of the casing; means extending into said receptacle for withdrawing a liquid therefrom and spraying the same outwardly; a diaphragm extending inwardly from the wall of the casing at a point above the receptacle, said diaphragm receiving the liquid flowing from the spray; and a series of tubular members extending through the diaphragm through which



the liquid passes from the diaphragm and through which the gas undergoing treatment also passes in counterflow to the liquid.

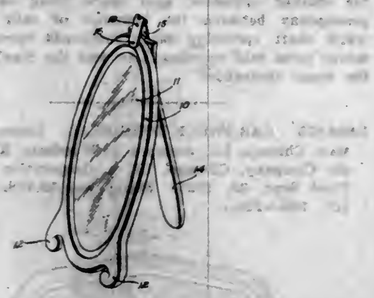
1,638,671. ROOFING FASTENING. MARCEL WAGNER, Mulhouse, France. Filed Apr. 22, 1926, Serial No. 103,914, and in France Apr. 28, 1925. 6 Claims. (Cl. 189—35.)



1. Means for fastening overlapping roofing plates to a supporting framework, comprising a fastening rod which projects upwardly through a perforation in at least one of the overlapping plates and which has its lower end rigidly engaged with the adjacent member of the framework; a rigid strengthening member through which said rod extends having its entire upper face fitting flush against the inner surface of the perforated plate; a malleable metal washer mounted on the projecting portion of the rod and disposed against the external surface of said perforated plate; and a clamping member threaded on said projecting rod portion and anchored in the external surface of said washer.

1,638,672. COMBINED HAND MIRROR AND TABLE MIRROR. JOHN J. WALSH, Yonkers, N. Y. Filed Jan. 20, 1927. Serial No. 162,846. 3 Claims. (Cl. 45—98.)

1. A mirror, a handle pivoted thereto, means for locking the handle against pivotal movement when it is axially aligned with the mirror, or when it is disposed at an acute angle relatively to the mirror whereby the handle may selectively serve as an easel, the locking means including a stiff strip fixedly attached to the handle and normally overlying and latched to the mirror,



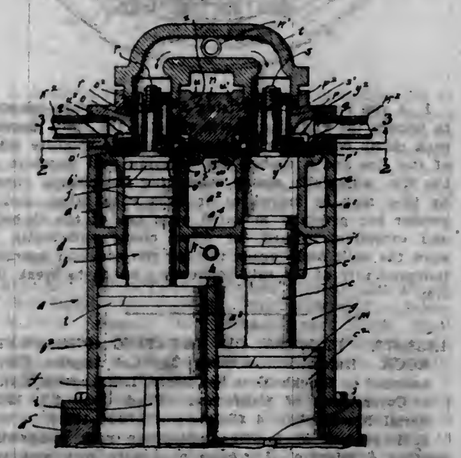
and a second strip pivoted to the free end of the first strip and adapted to be latched to the mirror when the mirror and handle define an acute angle.

1,638,673. UTENSIL FOR COOKING ANNULAR FOOD PRODUCTS. HENRY M. WILCOX, Chicago, Ill. Filed May 13, 1926. Serial No. 108,722. 1 Claim. (Cl. 53—10.)



A device for cooking annular food products, comprising an imperforate two-part mold having at the top and bottom central tubular reentrant portions that abut against each other when the two parts are placed together, thus producing a central passage extending through the mold and a closed annular molding compartment surrounding said passage, the walls of the mold and of the tubular portions being of approximately uniform thickness.

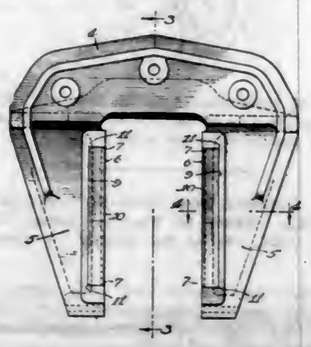
1,638,674. COMPRESSOR. JOHN P. WILDMAN, Portland, Oreg. Filed Mar. 26, 1925. Serial No. 18,480. 1 Claim. (Cl. 230—27.)



In a compressor; two pairs of aligned and connected pistons and crossheads, the pistons of each pair being smaller than the crosshead of the same pair; parallel

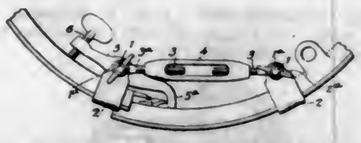
pairs of cylinders for each of said pistons and crossheads; a wall common to both of the larger cylinders and extending upwards to terminate in a space between the smaller cylinders, said space being an equalising passageway between the housings of said pistons; a crank shaft operating said crossheads oppositely; and means upon said crossheads to seal the crank case from the space thereabove.

1,638,675. CAR-TRUCK PEDESTAL. GEORGE A. WOODMAN, Chicago, Ill., assignor to Woodman Railway Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 30, 1925. Serial No. 59,488. 5 Claims. (Cl. 105—225.)



1. A car truck pedestal comprising jaws adapted to receive a journal box therebetween, and a liner on the surface of each jaw next to the journal box and made of channel form embracing the jaw, said liner being made of spring material and held in position by the resiliency thereof and by means arranged on the side of the jaws for restricting lateral movement of the liners.

1,638,676. RIM TOOL. JOHN H. BANKA, Battle Creek, Mich. Filed Apr. 13, 1927. Serial No. 183,393. 4 Claims. (Cl. 157—1.)



1. A rim breaker, comprising a pair of clamps adapted to engage the rim at opposite sides of the split therein, each clamp comprising members to engage opposite sides of the rim and a tie-bolt for securing said members to the rim; adjustable means connecting the clamps whereby they may be moved to or from each other, and a presser bar pivotally mounted upon one of the tie-bolts and extending toward the other clamp sufficiently to span the split and engage the far rim end and operable independently of the said connecting means to break the rim.

1,638,677. PROCESS OF TREATING PHOSPHATE ROCK. HENRY BLUMENBERG, Jr., Los Angeles, Calif., assignor to Stockholders Syndicate, Los Angeles, Calif., a Corporation of California. Filed June 23, 1925. Serial No. 39,044. 4 Claims. (Cl. 23—106.)

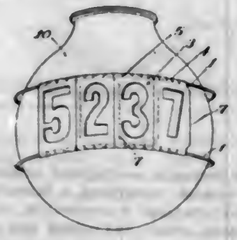
1. A process of treating phosphate rock comprising heating a mixture of ground phosphate rock and ammonium sulphate in a closed retort to a temperature not to exceed 300° C. to produce ammonium phosphates and calcium sulphate.

1,638,678. TORPEDO HOOK. OSCAR BOND, Sapulpa, Okla. Filed Jan. 23, 1926. Serial No. 83,378. 3 Claims. (Cl. 294—83.)



1. A torpedo hook comprising a hanger frame, a hook body slidably mounted on the hanger frame and having torpedo supporting means, spring means for pulling the hook body upwardly on the hanger frame, a locking bar for preventing disengagement of the torpedo and its supporting means, a release for said locking bar operable by the relative movement of the hanger frame and hook body and comprising a shaft rotatably mounted on the hook body, motion transmission means between the shaft and the bar, a ratchet wheel fixed on the shaft, a pawl carried by the hanger frame and cooperable with the ratchet wheel and a detent co-operable with the ratchet wheel to hold the same against retrograde movement.

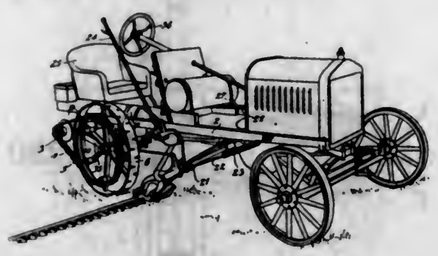
1,638,679. DETACHABLE STENCIL FOR BALL LIGHTS. LUTHER H. BUCHANAN, Los Angeles, Calif. Filed Apr. 20, 1926. Serial No. 103,239. 11 Claims. (Cl. 40—131.)



1. In combination with a globular structure, a pair of wires of a resilient nature partly encircling the structure, stencils having indicia thereon, the stencils having beads, the wires extending through the beads of the stencils, and clips secured to the wires at the opposite ends of the series of stencils, having frictional arrangement with the wires, and adapted to maintain the wires in position.

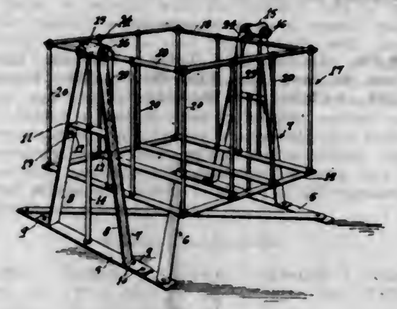
1,638,680. POWER ATTACHMENT FOR MOWERS. JOHN A. COOK, Franklin Furnace, N. J. Filed Sept. 8, 1926. Serial No. 134,288. 1 Claim. (Cl. 180—1.)

In a combined mowing machine and automobile, means for connecting the driving mechanism of the automobile with the traction wheels of the mowing machine whereby the automobile will drive the mowing machine, said means including a specially constructed traction wheel for the mowing machine, said traction wheel including



a member for gripping the ground, a plurality of spokes, each spoke having an enlarged tubular section, and means for clamping a sprocket wheel to said enlarged tubular section.

1,638,681. CAN HOLDER. THOMAS B. COOK, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,141. 1 Claim. (Cl. 248—58.)



A can holder comprising in combination a pair of standards, each having a pair of substantially upright members connected at their lower ends by a bed strap and having a cross-shaped fitting member secured to their upper ends, one of the bars of each fitting member having an aperture and each standard having a transverse member between the upright members below the fitting, a vertical member connecting the transverse member and the bed strap, a cross brace connecting the pair of bed straps, a cradle having an upper frame and a lower frame, said frames extending completely around the upper and lower periphery of the cradle, upright bars connecting said frames, and a pair of said bars at opposite sides of the cradle extending above the upper frame and each having a lateral bent portion journaled in each aperture in the cross-shaped fitting member.

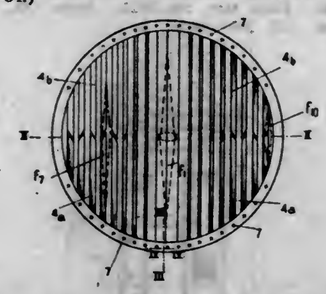
1,638,682. COIN-CONTROLLED DEVICE. WILLIAM C. DE ARMOND and WILLIAM RAY H. WATT, Philadelphia, Pa. Original application filed July 2, 1925, Serial No. 40,997. Divided and this application filed Sept. 10, 1925. Serial No. 55,429. 7 Claims. (Cl. 194—54.)

1. In a device of the character stated, a coin support, actuating means to displace said coin support in a fixed path, a stationary serrated element and yieldable means intermediate said coin support and said stationary serrated element, adapted normally to interlock with the serrations thereof, thereby to retain said coin support



fixedly and adapted to be withdrawn from engagement with said serrations by the insertion of a coin into said coin support and an opposed serrated element for engagement by the coin.

1,638,683. SHIELD FOR USE IN THE PRODUCTION OF RADIOSCOPES OR RADIOGRAPHS. MARIO DEMARCHI, Biella, Italy. Filed Jan. 12, 1926, Serial No. 80,826, and in Italy Jan. 17, 1925. 5 Claims. (Cl. 250—34.)

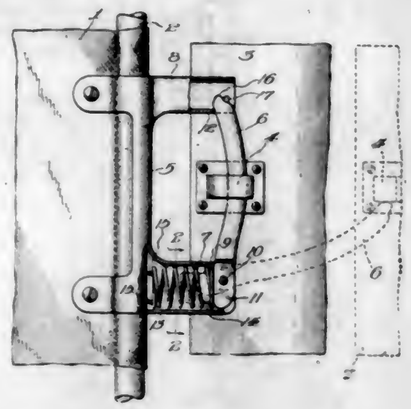


1. A shield for use in the production of radioscopes or radiographs, comprising a circular frame, strip-shaped blades of X-ray opaque material mounted in said frame with their longer sides parallel to one diameter thereof, each blade being formed in two halves, and each half being fixed at one end to the frame, and being free to vibrate at the opposite end upon a motion being imparted to the frame.

1,638,684. REDUCTION PROCESS USING CIRCULATING REDUCING GASES. EMIL EDWIN, Trondhjem, Norway, assignor to Aktieselskapet Norsk Staal Elektrisk-Gas-Reduktion, Oslo, Norway. Filed Oct. 15, 1925, Serial No. 62,654, and in Norway Sept. 27, 1922. 3 Claims. (Cl. 75—17.)

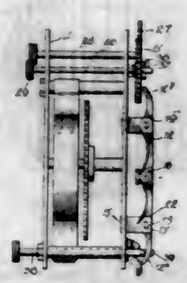
1. In reduction processes using circulating reducing gases the steps which consist in withdrawing part of the circulating gases, subjecting said part of the gases to treatment with steam, whereby carbon monoxid is transformed into carbon dioxid and hydrogen, removing the carbon dioxid formed and reintroducing the remaining gas into the circulation system.

1,638,685. VESTIBULE-CURTAIN HANDLE. PLATO G. EMERY, Chicago, Ill. Filed Nov. 26, 1926. Serial No. 150,852. 8 Claims. (Cl. 105—24.)



1. A curtain handle comprising a handle-forming member pivoted at one end, a stationary abutment with which the other end of said member engages, and a spring acting on said member in the vicinity of the pivoted end normally to hold said member against said abutment and permit it to swing away therefrom when a predetermined pull is exerted on said member.

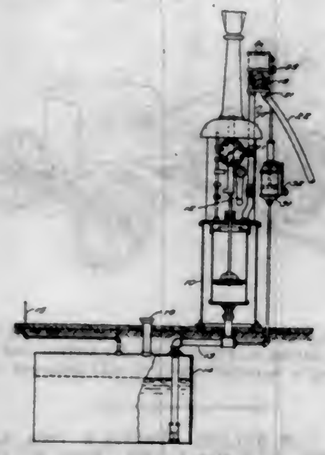
1,638,686. CIRCUIT BREAKER. FRANK J. FENCL, Chicago, Ill. Filed Mar. 26, 1925. Serial No. 18,353. 4 Claims. (Cl. 200—38.)



1. A circuit breaker comprising a pair of supporting members, a pair of arms pivoted to said members by pin and slot connections, a member pivotally connected to the inner ends of said arms, means for preventing the arms from moving in one direction past their substantially dead-center position, leaf springs between the supporting members and said member for shifting said arms and member in the opposite direction after the arms have been moved out of said position, and switch means controlled by one of said arms.

1,638,687. GASOLINE-DISPENSING APPARATUS. PAUL W. FENTON, New York, N. Y. Filed Aug. 5, 1925. Serial No. 48,203. 5 Claims. (Cl. 221—102.)

1. In dispensing apparatus of the character described including a liquid dispensing pump with dispensing chamber communicating therewith and provided with an outlet: means to maintain automatically in the dispensing chamber thereof and while the pump is at rest a predetermined level of the liquid; and supplementary means



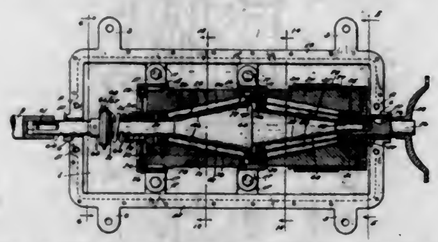
associated therewith for affording independently of the dispensing pump a supply of liquid to the said means for maintaining the predetermined level.

1,638,688. AUTOMOBILE LOCK. WILLIAM FREDRICK FIPPS, St. Louis, Mo. Filed Feb. 9, 1925. Serial No. 7,994. 1 Claim. (Cl. 70—132.)



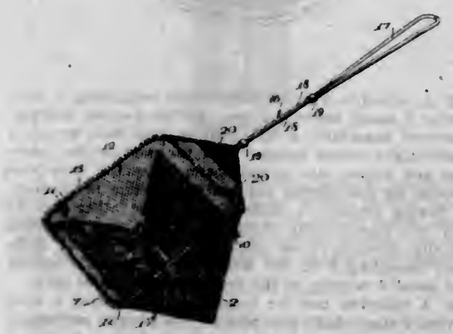
An automobile lock for use on hand brakes including a hand lever provided with a lengthwise bore enlarged at its upper end, a latch rod snugly though slidably fitted in said bore, and comprising a combined operating member and lock casing, the casing being threadedly connected to the latch rod and slidably and rotatably though snugly fitted in the enlarged upper end of the bore of the lever, a key operated lock in said casing having a radially sliding bolt, said hand lever having a radial opening communicating with the enlarged portion of its bore and in which the projected portion of the bolt is adapted to be snugly fitted to positively lock and hold the rod against both rotating and sliding movement and to prevent the rod from being sprung to disengage the bolt from said radial opening.

1,638,689. AUTOMATIC GEARLESS TRANSMISSION. THEODORE GENSMER and ROBERT Z. FARMER, Portland, Oreg., assignors to Automatic Transmission Company, a Corporation of Oregon. Filed Dec. 24, 1924. Serial No. 757,784. 19 Claims. (Cl. 74—34.)



1. Variable speed transmission apparatus, consisting in a housing, annular bearing straps rigidly mounted in spaced relation interiorly of said housing, a cylinder rotatably journaled in said bearing-straps having an interior, axially conical chamber, a fixed casing mounted in axial alignment with said cylinder formed with an interior, axially conical chamber oppositely disposed to said cylinder-chamber, a clutch device to prevent reverse rotation of said cylinder, a rotatable frame mounted in said chambers and operatively connected with a driven shaft, a plurality of cylindrical rollers rotatably supported in said frame in parallel with the inclined wall of said cylinder-chamber, a plurality of pairs of tapered rollers rotatively supported in said frame within said casing-chamber, said pairs of rollers being arranged in radial, superposed relation, a driving-member journaled in said housing and slidably connected to a power-driven shaft and including a pair of cones in integral opposed relation disposed in said chambers, respectively, and slidable to selectively engage either of said sets of rollers, means to resiliently engage said driving-member with said cylindrical rollers, and means to shift said driving-member to engage said tapered rollers.

1,638,690. INSECT CATCHER. CHARLES Y. HAKE, York, Pa. Filed Mar. 8, 1927. Serial No. 173,717. 1 Claim. (Cl. 43—134.)



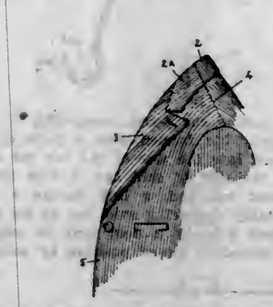
A device of the character described comprising a cage open at its lower end and having an impounding chamber with an entrance inside said cage, and means for discharging the dead insects from the bottom of said impounding chamber, an opening formed between the walls of said body at the bottom thereof, the inner wall having a threaded stud secured thereto and extending through the outer wall and equipped with means for drawing said walls together for closing said opening.

1,638,691. LAMP-SOCKET CONSTRUCTION. LAWRENCE A. HOFSTETTER, Union City, N. J. Filed Apr. 14, 1926. Serial No. 102,024. 4 Claims. (Cl. 173—358.)



1. A lamp socket which comprises a socket to receive a lamp base, a casing in which the socket is movably mounted, resilient means for supporting the socket in the casing and holding it in normal position, means for placing the lamp filament in circuit when the socket is held in normal position in the casing, and means for short-circuiting the filament when the socket is moved against the action of the resilient means.

1,638,692. COAT COLLAR. FRANK HOHENSTEIN and HENRI HOHENSTEIN, Rochester, N. Y. Filed Mar. 28, 1927. Serial No. 178,837. 2 Claims. (Cl. 2—98.)



1. A collar and lapel for a coat made of striped or figured material and having a shoulder seam, said collar comprising a central or rear section having its stripes or figures parallel and in line with the back of the coat, end or front sections attached to said rear or central section and having with the seam between the end front section and the central or rear section located in line with and forming a continuation of the shoulder seam between the front and back of the coat, a lapel forming a continuation of said end or front section of said collar and having its stripes or figures in line with the stripes or figures of said end or front section of said collar.

1,638,693. TRANSPLANTING DEVICE. BESS HOOKS, Thomas, Okla. Filed Sept. 16, 1926. Serial No. 135,917. 3 Claims. (Cl. 47—37.)

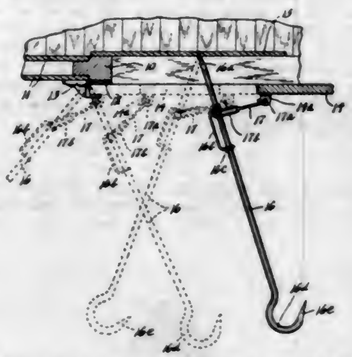
3. A transplanting device comprising a flat thin plate of a size and shape to conform to the bottom of a flower pot or the like and adapted to engage and support the dirt contained in the flower pot or the like, thin narrow arms integrally formed with the plate at diametrically opposite portions thereof, the arms inclining upwardly

and outwardly and being transversely curved to snugly fit against the inner wall of the flower pot or the like,



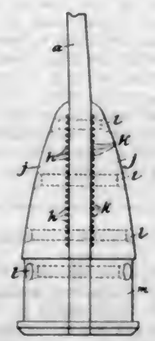
the edges of the arms being sharpened, the upper ends of the arms being extended laterally to provide handle portions.

1,638,694. DOOR-CLOSING DEVICE FOR BOX CARS. LE ROY FRANK JOHNSON, Willmar, Minn. Filed Oct. 29, 1926. Serial No. 144,973. 3 Claims. (Cl. 254—131.)



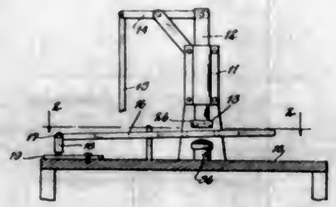
1. A device for closing car doors, comprising a comparatively long narrow bar formed with a point at one end so as to be stuck into the side of the box car or to engage a ledge at the side of said car, a loop formed on said bar adjacent one end, a link having a hook at its free end slidably embracing said bar at its other end within said loop whereby a door may be engaged by said hook and moved to closed position by said bar acting as a lever.

1,638,695. SCREW PROPELLER. HENRY LEITNER, Croydon, England. Filed June 8, 1925, Serial No. 35,676, and in Great Britain June 23, 1924. 7 Claims. (Cl. 170—173.)



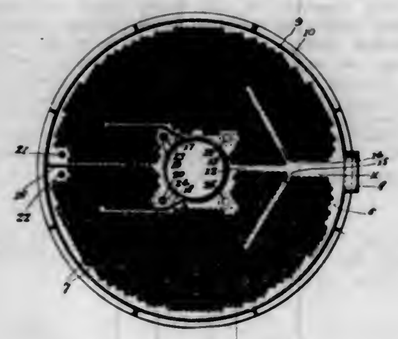
1. In a screw propeller of the character described, a blade body, and means applied to opposite faces of said body at the root end forming a cylindrical root, recessed circumferentially.

1,638,696. COMPACT PRESS AND METHOD OF MAKING COMPACTS. THOMAS J. LEWIS, New York, N. Y. Filed Feb. 21, 1927. Serial No. 169,965. 7 Claims. (Cl. 18—16.)



1. Powder compact press comprising a bar, a seat formed with said bar for seating a compact to be pressed, means for carrying the compact on said seat under a die press, means for allowing a manipulation of said bar, a means for guiding said bar, and a means for adjustably securing said bar.

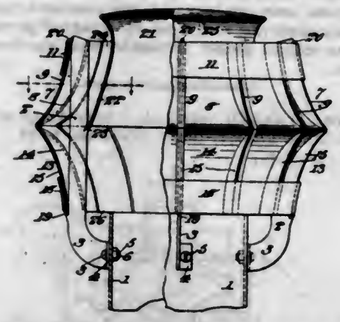
1,638,697. EVAPORATOR. IRA MERLIS, New York, N. Y., assignor to Kelvin Engineering Co. Inc., New York, N. Y., a Corporation of Delaware. Filed July 17, 1926. Serial No. 123,191. 6 Claims. (Cl. 159—27.)



2. A calandria belt for evaporators comprising a shell having a single inductance port for the heating medium, a central down-take, a tube body in said shell having a substantially radial passage from the port to the down-take and having also lateral channels leading from said passage for distributing the heating medium in oppositely flowing streams, a baffle plate at the other side of said belt diametrically opposite the port and extending radially inwardly from the shell, and a lateral baffle plate extending from the down-take in laterally spaced and parallel relation to the first mentioned baffle plate.

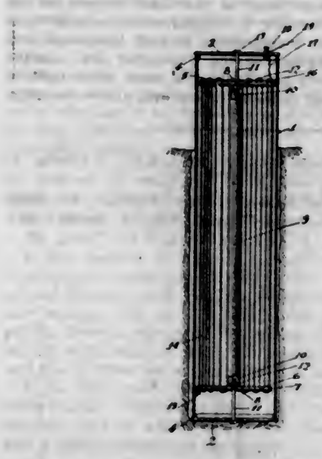
4. A calandria belt for evaporators comprising a shell having a single induction port for the heating medium, a central down-take, a tube body in said shell having a substantially radial passage from the port to the down-take and having also lateral channels leading from said passage for distributing the heating medium in oppositely flowing streams, a baffle plate at the other side of said belt diametrically opposite the port and extending radially inwardly from the shell, lateral baffle plates extending from the down-take in spaced and parallel relation to the first mentioned baffle plate, and at opposite sides thereof, and means for drawing off the incondensible gases between said lateral baffle plates, adjacent the down-take.

1,638,698. VENTILATOR. ARTHUR MILLER, Astoria, N. Y. Filed Apr. 18, 1925. Serial No. 24,129. 8 Claims. (Cl. 98—78.)



1. A ventilator comprising a pipe, an element disposed above and laterally from said pipe, said element having a series of curved tapered channels disposed longitudinally on its exterior for deflecting the air currents in substantially vertical paths, and a cap provided with a depending wall within the element and spaced therefrom for protecting the pipe and providing an outlet therebetween.

1,638,699. UNDERGROUND ANTENNA. ALMER L. MOBURG, Palms, Calif. Filed Mar. 30, 1926. Serial No. 98,501. 6 Claims. (Cl. 250—33.)



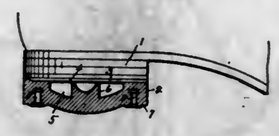
1. An underground antenna comprising in combination a substantially cylindrical casing having closure caps, a cage formed of the antenna wire in the casing, means operatively connected to the caps to stretch the cage, and an electric lead from the cage through the casing.

1,638,700. FISH-OIL PRODUCT AND METHOD OF MAKING THE SAME. DAVID MOLOFSKY, Vineland, N. J., assignor to Silmo Chemical Company, Inc., Vineland, N. J. Filed Oct. 23, 1926. Serial No. 143,795. 6 Claims. (Cl. 99—11.)

4. The process of making a powdered fish oil product, which consists in preparing a semi-solid mixture of water and a calcium salt, mixing therewith the oil, homogenizing the mixture, and then driving off the water and collecting the solid product.

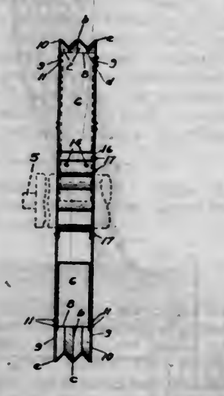
6. A fish oil product for use as a conditioning element in stock foods comprising fish oil held in finely divided condition in a calcium salt, said product being in powdered form and adapted for admixture in such form with the stock food, the calcium salt serving as a vehicle preventing absorption of the oil by the food substance while freely liberating it for absorption in the alimentary tract of the animal.

1,638,701. RUBBER-CUSHIONED HEEL. HARRY G. NORWOOD, Baltimore, Md., assignor, by mesne assignments, to Balloon Rubber Heel Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed Jan. 15, 1925. Serial No. 2,632. 2 Claims. (Cl. 36—35.)



1. The combination with a shoe having a heel, a cushion lift secured to the under face of the heel and having a concavity in its upper face and a substantial convexity on its lower face, said cushion lift being provided within the concavity with a post having its upper end in the plane of the shoe heel, the post offering immediate resistance to the initial depression of the convexity and continued and increasing resistance as the depression of the convexity is increased.

1,638,702. GROOVED WHEEL. WILLIAM O'BRIEN, Washington, Pa. Filed Oct. 4, 1924. Serial No. 741,572. 2 Claims. (Cl. 64—17.)

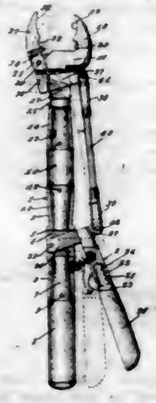


1. A grooved wheel comprising an annular peripheral groove member of structural angle shape bent to circular form and welded together, said wheel having an initially concaved outer bottom portion and outwardly rounded terminals, a central hub, and flanged spokes extending therefrom having parallel side plates secured thereto and provided with beveled terminals engaging underneath the rounded edge portions of the groove member and welded thereto.

1,638,703. FUSE PULLER. CHARLIE A. PENDLETON, Cramerton, N. C. Filed Feb. 2, 1926. Serial No. 85,596. 6 Claims. (Cl. 81—3.)

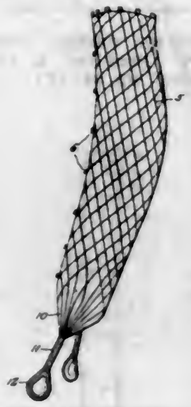
1. In a tool of the character described, a handle, a jaw member, said jaw member formed at its rear end with one end of a head disposed at right angles to and connected to the forward end of the handle and providing for the offsetting of said jaw member laterally with re-

spect to said end of the handle, a co-operating jaw member pivotally connected to the other end of said head, and



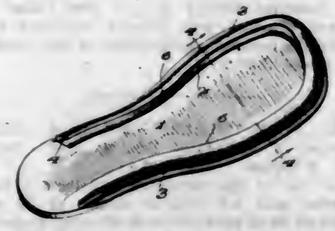
spring controlled means connected with said pivoted jaw and with the handle for actuating the pivoted jaw relative to the jaw member.

1,638,704. CALF AND ANKLE GRIP. CHARLES ALBERT POPE, Elizabeth, N. J. Filed Sept. 13, 1926. Serial No. 135,155. 2 Claims. (Cl. 128—80.)



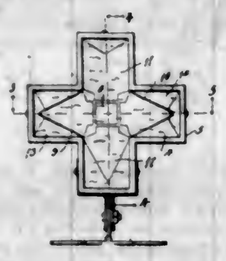
1. A calf and ankle grip for surgical extension apparatus including a puttee-shaped casing formed of mesh material to encase the calf and ankle of a person, the strands of said mesh material being extended at one end adjacent the calf and grouped and bent to form relatively rigid eyes.

1,638,705. MOLDED-FLANGE INSOLE. ADAM H. FRENZEL, Halifax, Pa. Filed July 9, 1925. Serial No. 42,544. 1 Claim. (Cl. 36—22.)



A shoe sole having a channel cut from a place interiorly of one side surface toward the edge producing a feather edge flange, said flange being in upstanding relationship to the sole and being cross sectionally curved so that the feather edge is spaced above the adjacent said surface of the sole and is directed toward the interior of the sole and arched over the channel, the concaved interior of the flange and the bottom of the channel providing an ample peripheral pocket accessible from the interior of the sole.

1,638,706. TRAFFIC SIGNAL. JOSE E. QUE, Manila, P. I. Filed Feb. 17, 1925. Serial No. 9,797. 1 Claim. (Cl. 177—329.)



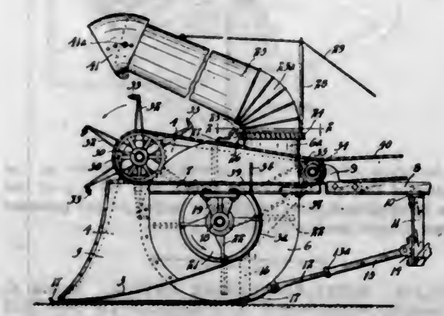
A vehicle signal, comprising a cruciform casing, a transparent plate closing the front of the casing and having portions rendered opaque, the transparent portions delineating signal devices disposed to cross, a smaller rectangular compartment arranged in the middle of the casing, partitions extending from the corner walls of the smaller compartment to the inner corners of the cruciform casing forming a compartment in each arm thereof, and another compartment in each horizontal arm of the cruciform casing having a pointed end pointing outwardly of the arm and having its inner walls inclined from the pointed end inwardly of the arm and rearwardly.

1,638,707. WINDOW-SHADE BRACKET. VERDIE C. RUFTY, Stony Point, N. C., assignor of one-half to L. O. Moose and J. O. Rufty, Stony Point, N. C. Filed Oct. 19, 1926. Serial No. 142,678. 1 Claim. (Cl. 156—27.)



A shade fixture for the purpose referred to comprising a bracket formed at its inner side with an ear disposed at right angles with respect thereto, said ear having a perforation for rotatably receiving a flat sided pintle and further formed with an upwardly directed straight sided locking slot disposed tangentially of and opening into said perforation, an arm extending upwardly from the top of the bracket and formed at its upper end with an outturned portion, and a coiled spring having its upper end connected to said outturned portion and adapted to have its lower end loosely engage, exteriorly of said ear, the pintle of the shade roller within the perforation to automatically shift the pintle from the perforation into the slot for normally retaining it therein under tensioned suspension.

1,638,708. SNOWPLOW. FRANK SAXON, Worthington, Minn. Filed Mar. 17, 1926. Serial No. 95,256. 4 Claims. (Cl. 37—43.)



1. A snow plow adapted to be mounted on a vehicle, having in combination a snow scoop, a rotary snow disintegrating means, ejecting means and conveying means rotating about an axis below and to the rear of the axis about which said disintegrating means rotates, said conveying means being adapted to move the snow from said scoop to said ejecting means, said disintegrating means being adapted to act in advance of said conveying means to force the snow downwardly and rearwardly to said conveying means.

1,638,709. ACID-RESISTING COMPOUND. NEWTON H. SCHNEIDER, Salinas, Calif. Filed Apr. 20, 1925. Serial No. 24,677. 4 Claims. (Cl. 167—9.)

1. The method of forming an adherescent acid proof composition comprising mixing white lead with linseed oil and thinning with gasoline, adding baking soda thereto and mixing, and as a separate step heating resin and adding thereto castor oil, combining the white lead and baking soda mixture with the heated resin and mixing, and finally thinning with alcohol and eucalyptus oil.

3. An acid proof composition comprising white lead, baking soda, commercial resin and alcohol to thin the mixture, and in addition, a small amount of castor oil and a small amount of eucalyptus oil.

1,638,710. NONCORROSIVE SOLUTION. MORTON ROLAND SHERBINO, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a Corporation of California. Filed Mar. 19, 1926. Serial No. 96,083. 12 Claims. (Cl. 252—5.)

1. A solution of castor oil in alcohol, rendered noncorrosive by the addition of an alkali metal salt including a metal of the arsenic group.

1,638,711. NONCORROSIVE SOLUTION. MORTON ROLAND SHERBINO, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a Corporation of California. Filed Mar. 19, 1926. Serial No. 96,084. 10 Claims. (Cl. 252—5.)

1. A solution of castor oil in alcohol, rendered noncorrosive by the addition of an alkali metal phosphate.

1,638,712. SANITARY HEATED HOG HOUSE. CHARLES V. SHORT, Des Moines, Iowa. Filed Mar. 4, 1927. Serial No. 172,861. 8 Claims. (Cl. 119—16.)

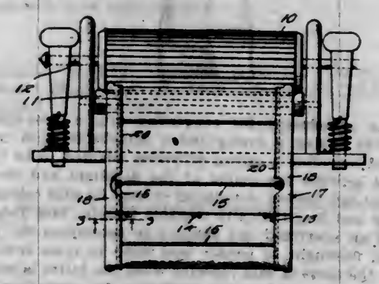


1. A hog house comprising an outer wall and a plurality of partition members each having one end abutting the outer wall and the other end abutting an intermediate portion of the next succeeding partition of the series whereby to form a plurality of main pens and also to form a central polygonal space each side of which consists of a portion of one of said partitions.

1,638,713. PROCESS OF MANUFACTURING VINYL ESTERS. FREDERICK W. SKIRROW and OTTO W. HERZBERG, Shawinigan Falls, Quebec, Canada, assignors, by mesne assignments, to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Filed Nov. 8, 1920. Serial No. 422,693. 10 Claims. (Cl. 260—106.)

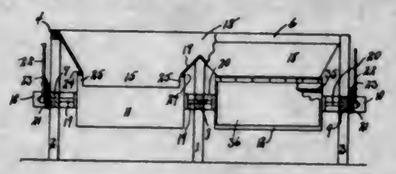
1. A process of producing a vinyl ester, which comprises bringing together an excess of acetylene and a carboxylic acid in presence of a catalyst and removing the vinyl ester as formed from the reaction by maintaining conditions such that the ester is carried out of the reaction in the escaping excess of acetylene.

1,638,714. WASHING MACHINE. NELLA B. STRAWN, Antonito, Colo. Filed Dec. 9, 1926. Serial No. 153,628. 1 Claim. (Cl. 68—22.)



An attachment for washing machines of the character described comprising a strip of material having near its opposite end edges coacting fasteners whereby said end edges may be connected to form an endless band of the strip, holding elements extending transversely of the band on one face thereof and bearing elements extending longitudinally of the side edges of the band, said holding elements each comprising a bar having means securing its ends to the strip adjacent the side edges thereof, said bearing elements each comprising a compressible bead and an attaching stem therefor, the attaching stems of the beads extending over the securing elements of the bars and connected to said strip.

1,638,715. MEASURING DEVICE FOR STREET AND ROAD PAVING AND THE LIKE. ROBERT C. STUBBS, Dallas, Tex. Filed Sept. 24, 1924. Serial No. 739,703. 5 Claims. (Cl. 221—107.)



1. A measuring device for street and road paving and the like comprising a revolnble cylindrical receptacle, a longitudinal diametral partition dividing said receptacle into compartments, each compartment having an opening for receiving and discharging material, means within each compartment for varying the cubical capacity thereof consisting of a pair of disks revolnbly mounted in said receptacle, means for fixedly connecting said disks to the ends of said receptacle, and dividers rigid with said disks, and means for revolving the receptacle.

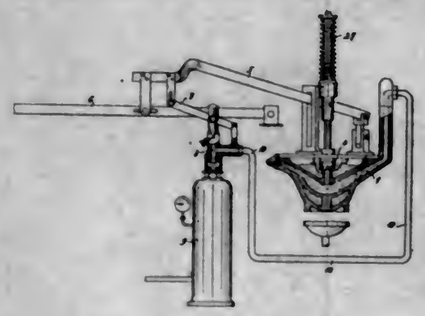
1,638,716. SPOTLIGHT. LAWRENCE O. SURLES, Atlanta, Ga. Filed Aug. 7, 1925. Serial No. 48,861. 5 Claims. (Cl. 240—10.5.)



1. An attachment for converting into a spot-light a flashlight having a casing and a detachable glass carrying cap, including a casing extension adapted to be intercalated between the casing of the flashlight and the detachable cap thereof, a reflector carried by said casing extension and longitudinally movable therein, said reflector having an apertured end adapted to encompass the lamp of said flashlight to permit said lamp to come into and out of the focus of said reflector when the latter is moved, and means on said casing extension for operating said reflector.

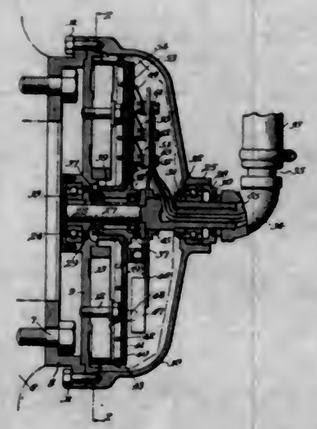
1,638,717. DIE-CASTING MACHINE. EMIL THIESLACK, Berlin, Germany. Filed Mar. 3, 1927, Serial No. 172,508, and in Germany Oct. 30, 1925. 1 Claim. (Cl. 22—70.)

A die casting machine comprising a melting reservoir, a casting reservoir arranged immediately therebeneath, the bottom of the melting reservoir serving as the top of the casting reservoir, an upright hollow boss rising from the bottom of the melting reservoir and provided in its wall with a lateral opening which serves to establish communication between the reservoirs, a sleeve-like valve movably mounted exteriorly of the boss for controlling the passage of fluids through said opening, means for supplying fluid under pressure to said casting reservoir



to facilitate ejecting of the contents subsequent to the closing of the opening by the sleeve, and the top of the boss being closed so as to prevent action of the pressure supply means on the valve.

1,638,718. SPEED-RESPONSIVE DEVICE. ERWIN C. VROMAN, Watertown, N. Y., assignor to The New York Air Brake Company, a Corporation of New Jersey. Filed Apr. 18, 1925. Serial No. 24,240. 7 Claims. (Cl. 200—52.)

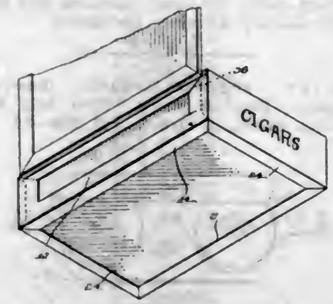


1. A speed responsive device comprising in combination a rotatable field member; a rotatable armature member associated therewith; means for rotating one of said members in either direction at variable speeds; yielding means arranged to permit limited rotary displacement of the other of said members conforming in direction and extent with the direction and speed of rotation of the first member; and a series of electric switch contacts arranged to be successively opened and closed in a chosen order by the displacement of said other member in either direction relatively to its normal position.

1,638,719. MANUFACTURE OF CIGAR BOXES AND THE LIKE. ALLAN A. ADAMSON, Rochester, N. Y., assignor to George H. Harris, Rochester, N. Y. Filed Jan. 31, 1925. Serial No. 5,920. 4 Claims. (Cl. 229—6.)

1. In combination with a cigar box lid, a combined label and edging blank having a main portion covering

the inner face of the lid and provided with tongues on three sides, extending around three edges of the lid and



onto the top surface thereof, the hinging edge of the box or lid being exposed for the attachment of a hinging piece.

1,638,720. PULLEY WHEEL. ALFRED ANDERSON, Dunedin, Fla. Filed Sept. 15, 1924. Serial No. 737,822. 1 Claim. (Cl. 64—17.)

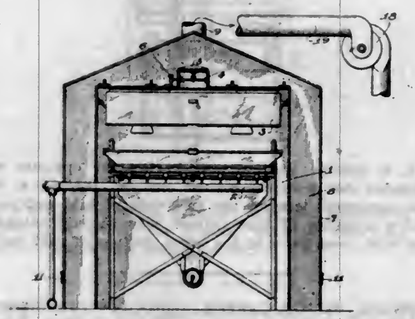


A saw blade driving pulley consisting of a hub provided with a pair of opposed spaced laterally projecting annular flanges, said hub provided with ports intermediate its ends, a pair of oppositely disposed metallic convexed disks having the inner marginal portions thereof opposing said flanges, said disks being apertured and seated on said hub, an annulus interposed between said disks at the inner marginal portions thereof and spaced from said hub to provide a lubricant trapping chamber having said ports communicating therewith, said annulus providing a spacing means between the disks at the inner marginal portions thereof, hold fast device for securing said flanges, disks and annulus together, a pair of spaced bands having the outer marginal portions of said disks positioned therebetween and forming in connection with said outer portions the rim of the pulley, and a non-metallic band circumferentially extending around said rim.

1,638,721. ASBESTOS DRIER FELT. EDUARD V. ASTEN, Eupen, Belgium. Filed Feb. 6, 1926. Serial No. 86,576. 2 Claims. (Cl. 28—1.)

1. The process of manufacturing asbestos drier felts which consists in weaving the felt in the desired length and width, taking the stretch out of the felt by stretching it and subjecting it to pressure, at the same time calendering the surface to be applied to the paper and treating it with a size for making the surface smooth.

1,638,722. CARBON-BLACK-PRODUCING APPARATUS. CLYDE A. BARBOUR, Jr., Monroe, La. Filed June 11, 1926. Serial No. 115,379. 20 Claims. (Cl. 134—60.)



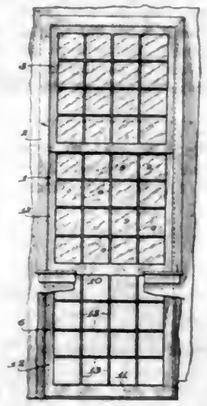
9. In combination, a retort wherein the internal pressure thereof is less than atmospherical, gaseous fuel burners within the retort adapted to effect an imperfect combustion of fuel delivered thereto, a plurality of adjustable ventilators in the top of said retort, a housing receiving the retort having certain of the side walls of the same spaced from the adjacent side walls of said retort and the top thereof spaced from the top of said retort, outlet means communicating with the top of said housing, the lower portions of said side walls of the housing having a series of inlet openings therein, and collectively adjustable damper means cooperatively associated with said inlet openings.

1,638,723. WHEEL GAUGE. OTTO H. BARNES, Tulsa, Okla. Filed Mar. 23, 1926. Serial No. 96,781. 1 Claim. (Cl. 33—203.)



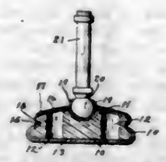
A gauging tool comprising a tubular member provided with an elongated sight opening and having an indicator disposed at one of the longitudinal edges and midway between the ends thereof, a second elongated member slidably received in the tubular member for longitudinal movement and provided with a pair of sets of graduations disposed longitudinally thereof and with a zero character common to both sets, said graduations and the zero character being visible through said opening and adapted to move with relation to said indicator to show the direction and extent of the relative movements of the members.

1,638,724. WINDOW GUARD. BENJAMIN AGEE BOWLES, Washington, D. C. Filed Feb. 11, 1926. Serial No. 87,650. 4 Claims. (Cl. 20—71.)



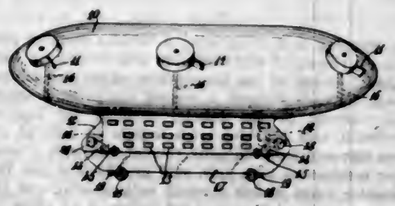
1. A slidable window sash having the opposite sides extended for distances beyond one end thereof, a cross bar connected between the free ends of said extensions, and a plurality of bars carried between said extensions and said cross bar and the lower portion of said sash.

1,638,725. GLIDE CASTER. JOHN LOUCIEN CHESNUTT, Merced, Calif., assignor to Walter Raleigh Darnell, Long Beach, Calif. Filed Apr. 24, 1925. Serial No. 25,572. 3 Claims. (Cl. 16—42.)



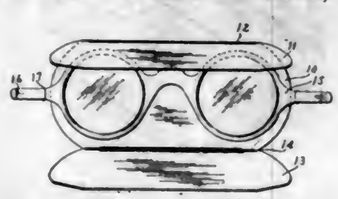
1. A glide caster, comprising a cushion member formed with a plurality of vertical apertures, a shoe embracing the lower portion of said member and having a flat lower surface adapted for contact with a floor, a metallic member secured to the upper portion of said cushion member, and attaching means adapted to engage a load object, together with ball-and-socket connections between said attaching means and the metallic member, whereby when the load object is tipped the shoe may remain in flat contact with the floor and the cushion member be compressed in a plane obliquely thereto.

1,638,726. PROPELLING MECHANISM FOR AIR NAVIGATORS. ANTONIO CHIABELLI, New York, N. Y. Filed Dec. 11, 1925. Serial No. 74,683. 6 Claims. (Cl. 244—8.)



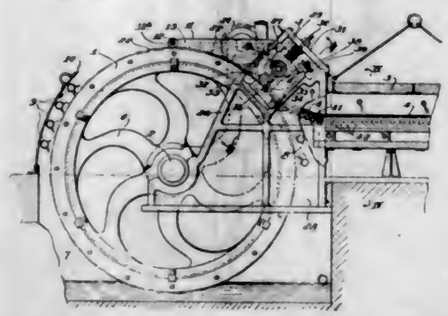
6. In a propelling and manœuvring system for aircrafts, the combination of an inflated airship body, a plurality of propellers of the drum and paddle type spaced thereabout with the planes of propeller rotation tangential to the said body and intersecting each other, certain rotatably adjustable shafts connected to each propeller, and adapted to change the timing of the paddle action, means connected with the shafts for individually adjusting the said shafts, and means connected with the shafts for simultaneously adjusting the shafts.

1,638,727. SPECTACLE CASE. HAROUTUNE M. DADOURIAN, Hartford, Conn. Filed July 24, 1925. Serial No. 45,865. 2 Claims. (Cl. 206—5.)



1. A spectacle case comprising a rear member, a front member hinged thereto along one side edge thereof and designed to overlie the rear member to form a receptacle, and a flap hinged to the opposite side edge of the rear member and designed to be folded thereover and over the free edge of the second member, the case so formed being left open at the ends for the projection of the bows of the spectacles therethrough, said case being held in closed position by the folding of the bows over the front thereof.

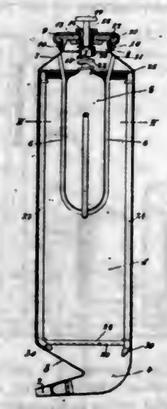
1,638,728. APPARATUS FOR MAKING SHEET GLASS. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Mar. 18, 1926. Serial No. 95,590. 3 Claims. (Cl. 49—33.)



1. In apparatus for making sheet glass, a casting roll of large diameter mounted for rotation, a driven sizing roll above the casting roll positioned so as to provide a pocket between the two rolls for receiving the molten glass to be rolled, bearings in which the sizing roll is journaled mounted for movement toward the casting roll, spacing means mounted to move with said bearings in fixed relation thereto and contacting with the periphery of the casting roll, and a runway for receiving the glass sheet formed between the rolls.

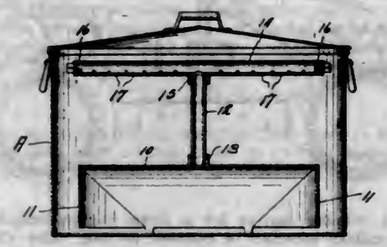
1,638,729. DRY FIRE EXTINGUISHER. WILHELM FRIEDRICH, Berlin-Lankwitz, Germany. Filed Mar. 29, 1922. Serial No. 547,652, and in Germany Jan. 27, 1922. 5 Claims. (Cl. 169—31.)

1. A fire extinguisher for use in connection with an extinguishing powder, comprising, in combination, a receptacle adapted to receive said powder, a gas-bottle located completely within said receptacle, the gas escape opening of the bottle being in direct communication with the space above the extinguishing powder in said receptacle when the bottle has been opened, means for opening said bottle from outside the receptacle, a de-



livery nozzle at the other end of the said receptacle, and tubes connecting the two ends of the receptacle with each other and being adapted to conduct the driving gas from the space around the top of the gas bottle to the space at the delivery nozzle, substantially as set forth.

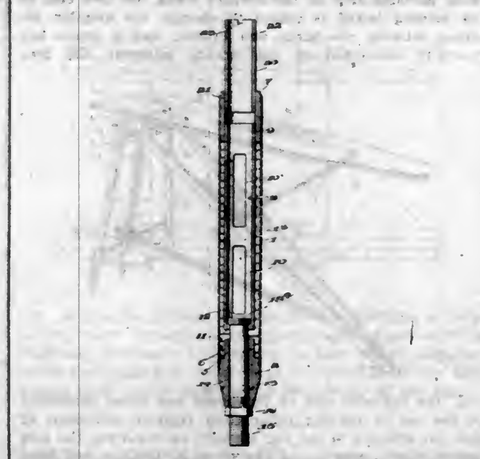
1,638,730. CLOTHES WASHER. OLIVER P. GREENSTREET, Owensville, Mo., assignor of one-fourth to Walter H. Oberg, St. Louis, Mo., and one-fourth to Joseph T. Tate, Owensville, Mo. Filed Mar. 27, 1926. Serial No. 97,935. 1 Claim. (Cl. 68—30.)



A clothes washer of the character described comprising a chamber open at the bottom and defined by a horizontally disposed wall and depending flanges at the sides and ends of said wall, the wall having depending lugs whereby to support the chamber in spaced relation from the bottom of a wash boiler, an internally threaded boss formed on the upper side of the horizontal wall and disposed centrally thereof, a vertically extending pipe extending upward from the chamber and having its lower end threaded into said boss, a cross pipe having an interiorly threaded boss for receiving the upper end of said first named pipe and having a length approximately equal to the length of the chamber, removable plugs normally closing the ends of the cross pipe, the under face of the cross pipe having a plurality of spaced perforations therein.

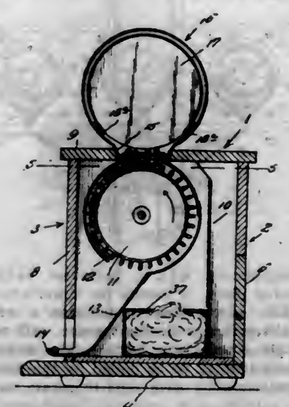
1,638,731. WELL SCREEN. HENRY E. HANSON, Nevis Minn. Filed May 16, 1925. Serial No. 30,809. 5 Claims. (Cl. 166—8.)

1. A well screen having a spring screen body made up of a plurality of convolutions and means for varying the distances between the convolutions while the well screen is in the well, and including a head having spiral grooves engaged with certain of said convolutions, and



means fixedly connected with the head and adapted to be turned from above the ground whereby the head is turned to adjust the spring screen.

1,638,732. CIGARETTE-DISPENSING MACHINE. JOSEPH HANTSCHEL, Appleton, Wis. Filed Dec. 28, 1925. Serial No. 77,987. 3 Claims. (Cl. 211—8.)

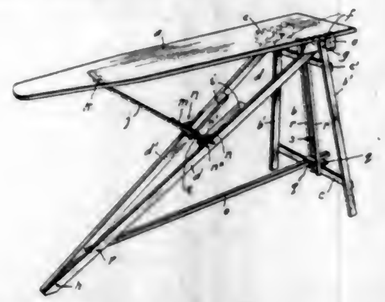


1. In a vending machine, a casing, vending means in said casing, and means for supplying cigarettes to said vending means, said supply means comprising a holder mounted on top of said casing, said holder being open on its side and provided with a closure permitting access to be had to the interior of the holder, to adapt the holder for reception of a cigarette containing package, said closure being transparent to permit the passage to be inspected from the exterior without opening said closure.

1,638,733. IRONING TABLE. ABRAHAM LINCOLN HARTMAN, Wapinitia, Oreg. Filed Apr. 19, 1923. Serial No. 633,175. 2 Claims. (Cl. 68—10.)

1. In a collapsible ironing table, an ironing board, a leg therefor, a crutch, said leg and crutch being hingedly connected to the board adjacent one end thereof, a strut hingedly connected to the under side of the iron-

ing board, keepers arranged on the crutch, a member carried by the strut to automatically lock with the keepers when the parts are in extended position, said member being movable free of the keepers when the free end of the ironing board is raised to change the angular relation between the strut and crutch, and a brace bar pivotally connected to the crutch adjacent the free



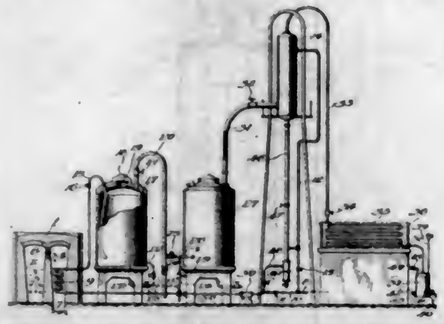
end, the opposite end of the brace bar being connected to the leg to prevent other than vertical movement of said bar relative to the leg, whereby on elevating the free end of the ironing board the strut is disconnected from the keepers and the strut and crutch may be folded against the board to cause the brace bar to compel an initial folding movement of the leg.

1,638,734. METHOD AND MEANS FOR TUNING RADIORECEIVERS. WILFRID PAUL HEATH, Chicago, Ill. Filed Nov. 13, 1924. Serial No. 749,771. 12 Claims. (Cl. 74—7.)

1. The combination with a radio set having a plurality of tuning dials, of means for simultaneously moving said dials to set them to indicate a certain combination of characters or figures thereon, said means comprising flexible connections having tabs indicating different stations adapted to be pulled by the operator, and means for transmitting such pull to rotate and set said dials.

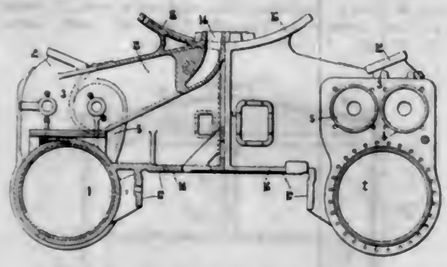
1,638,735. METHOD OF HYDROCARBON OIL CONVERSION. LYMAN C. HUFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 18, 1925. Serial No. 69,736. 5 Claims. (Cl. 196—49.)

1. A process for cracking hydrocarbon oil, consisting in raising the oil to a cracking temperature while flowing in a restricted stream through a heating coil positioned in a furnace, in collecting a body of the heated oil, subsequent to its passage through the heating coil, in an enlarged reaction zone, wherein conversion occurs, in separately removing the vapors evolved from the oil and unvaporized liquid oil from said reaction zone, in admitting said vapors and unvaporized liquid oil to a zone maintained under a lower pressure than said reaction zone, wherein substantial quantities of the unvaporized liquid oil is vaporized by the contained heat thereof, in removing the unvaporized oil from said zone maintained under said lower pressure without again returning the same to said zone, in subjecting the vapors evolved from the oil in said reaction zone and the vapors evolved from the unvaporized liquid oil in said zone of reduced pressure, in a commingled state, to reflux condensation, in aiding in the reflux condensation of the vapors by employing



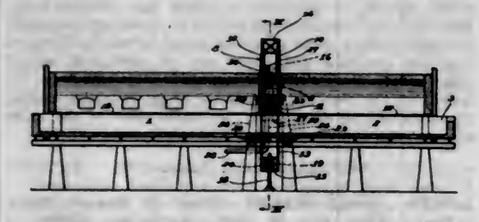
charging oil for the process as a cooling medium therefor and to also preheat the charging oil, in collecting a supply of commingled reflux condensate separated from the vapors and preheated charging oil in a zone out of contact with unvaporized liquid oil introduced to said zone of reduced pressure, and in continuously admitting oil from said supply to said heating coil.

1,638,736. CYLINDER CASTING FOR STEAM ENGINES. JOHANN KUPKA, London, England. Filed Dec. 9, 1926. Serial No. 153,575. 8 Claims. (Cl. 105—44.)



1. A cylinder casting for a steam engine comprising in a unitary structure a cylinder portion, valve chests at each end of the cylinder arranged to support poppet valve seats, and a boiler supporting saddle.

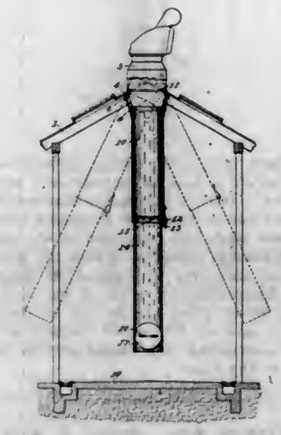
1,638,737. GLASS-MELTING TANK. KARL G. KUTCHKA, Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Dec. 10, 1925. Serial No. 74,557. 6 Claims. (Cl. 49—54.)



1. The combination with a glass melting tank having a melting end and a working end, of an arch member lying between said ends and having depending walls at

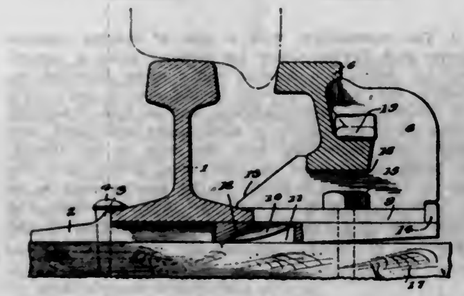
the ends of such member and mounted for vertical movement, so that a greater or less portion of the member may be moved inside the tank depending upon the vertical position of the member, and means for adjusting the member vertically.

1,638,738. VENTILATING OUTTAKE FLUE. NORMAN A. LICHTY and CHARLES L. OSTRANDER, Waterloo, Iowa, assignors to Lichty Metal Products Company, Waterloo, Iowa. Filed Jan. 29, 1926. Serial No. 84,650. 4 Claims. (Cl. 98—42.)



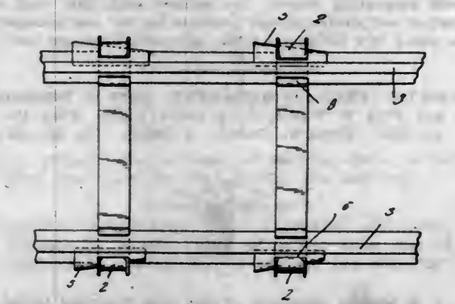
1. A device of the class described, comprising in combination, a vertically disposed ventilator outtake flue, and a plurality of flexible means detachably connecting opposite parts of the upper end of the flue in communication with a roof opening for free swinging displacement of the flue when certain of said flexible means are disconnected.

1,638,739. GUARD-RAIL FASTENING. THOMAS MANEY, Louisville, Ky. Filed June 18, 1926. Serial No. 116,895. 13 Claims. (Cl. 238—20.)



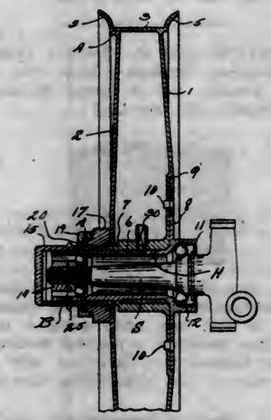
1. In a device of the character described, the combination of a main rail, a tie plate therefor, and a chair seat or brace seated upon said tie plate and abutting against the edge of the main rail flange, said chair seat or brace having a flange extending outwardly therefrom and overlapping the main rail flange for holding said main rail in position.

1,638,740. RAIL TIE. MICHAEL JOSEPH MCANDREW, Clarksburg, W. Va. Filed Feb. 25, 1927. Serial No. 170,913. 3 Claims. (Cl. 238—10.)



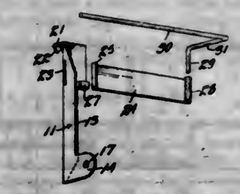
1. A rail tie of the class described comprising a body having hooks formed at its opposite ends, together with yieldable extensions terminating in base flange engaging hooks and shaped to conform to the interior of the first named hook and to underlie the base flange of the rail.

1,638,741. VEHICLE WHEEL. JOHN MCGINNIESS, Trinidad, Colo., assignor to McGinniess Vehicle Wheel Company, a Corporation of Colorado. Filed Oct. 12, 1926. Serial No. 141,222. 8 Claims. (Cl. 301—9.)



1. A vehicle wheel comprising a pair of discs, a hub sleeve carried by one of said discs and extending through and beyond the second disc, a rim flange carried by one of the discs and bridging the space between the two discs, and means carried by the hub sleeve and engaging a disc for maintaining the discs in assembled relation.

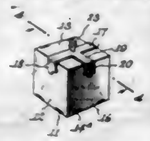
1,638,742. WINDOW-SHADE BRACKET. DANIEL M. PARKINSON, Dayton, Ohio. Filed Dec. 30, 1925. Serial No. 78,467. 5 Claims. (Cl. 156—24.)



5. A device of the class described comprising a sheet metal body having an upstanding slotted flange formed to support a window shade roller, a supporting element

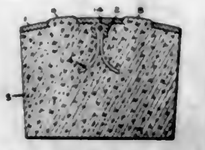
on said body in spaced relation to the slot in said flange, a longitudinally slidable auxiliary supporting bracket extending through the slot in said flange and resting on said supporting element flat against said body, and a curtain rod pivoted on said auxiliary bracket and arranged to swing in a horizontal plane, substantially as set forth.

1,638,743. PENDANT ORNAMENT. GUST W. PETERSON and BERT T. WALLS, Long Beach, Calif. Filed Dec. 22, 1925. Serial No. 76,998. 3 Claims. (Cl. 63—23.)



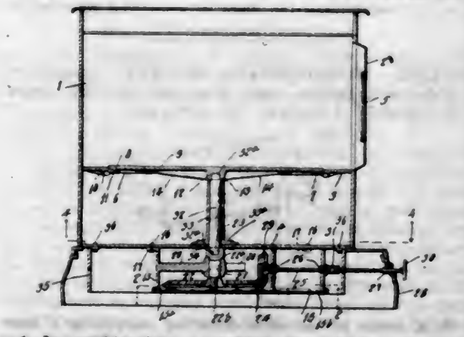
1. A pendant ornament of the class described including six quadrilateral pyramidal sections, four of said sections being hingedly connected to the side edges of a fifth section, the sixth section being hingedly connected to the outer edge of one of the four sections above mentioned, said four sections being adapted for folding over into engagement with the fifth section, and the sixth section being adapted for folding over into engagement with the four sections, and means for locking all of said sections against unfolding including three spring fingers rigidly carried by the back of one of the four sections, said fingers snapping over two others of said four sections and the sixth section.

1,638,744. PAVING BLOCK. THOMAS JAMES PRIESTMAN, Birmingham, England. Filed Nov. 13, 1926, Serial No. 148,287, and in Great Britain Oct. 12, 1925. 4 Claims. (Cl. 94—1.5.)



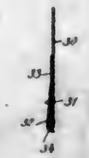
2. A traffic sign element comprising a block formed of a metal plate having lugs on one side, anchorage members secured in said lugs and having a plurality of prongs projecting therefrom, a moulded backing in which the anchorage members are embedded, said plate having openings therein, and non-slipping material in said openings.

1,638,745. PAN-TURNING DEVICE FOR COOKING STOVES. LLOYD G. RANDOLPH, Big Run, Pa. Filed Oct. 17, 1925. Serial No. 63,058. 2 Claims. (Cl. 126—338.)



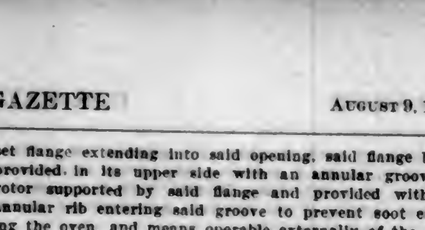
1. In combination, a cooking stove having an oven bottom provided with an opening and a downwardly offset flange extending into said opening, said flange being provided in its upper side with an annular groove, a rotor supported by said flange and provided with an annular rib entering said groove to prevent soot entering the oven, and means operable externally of the oven for turning the rotor.

1,638,746. ROOFING ELEMENT. THOMAS ROBINSON, New York, N. Y., assignor to Anaconda Sales Company, New York, N. Y., a Corporation of Delaware. Filed June 26, 1924. Serial No. 722,452. 12 Claims. (Cl. 108—8.)



1. A thick-butt metal-clad roofing element comprising the combination of a base of non-metallic material resistant to water, a shell of thin metal disposed at one end of the base, one end of this shell extending over the end edge of the base while the other end of the shell terminates in a flat portion extending across the base between the ends thereof and lying flat against the upper face of the base, the intermediate portion of the shell between its ends being raised above the surface of the base, and filling material between the raised portion of the shell and the base supporting this raised portion and securing the shell to the base.

1,638,747. HANGER BOX. ROBERT F. RUNGE, Forest Hills, N. Y., assignor to the Skayef Ball Bearing Company, a Corporation of Connecticut. Filed June 26, 1923. Serial No. 647,806. 5 Claims. (Cl. 308—189.)



1. The combination with a pair of bearing adapter sleeves each having a bore for fitting a shaft, a tapered seat for receiving a bearing, and a screw threaded extension, the tapered portion having one or more slots for facilitating compressibility, and a tube integrally connected to the sleeves at their larger ends, such tube having slots registering with the slots in the sleeves, the inside diameter of the tube being greater than the bore of the sleeves inwardly of the bearing seats so as to form a clearance between the tube and shaft and permit the free compressibility of the sleeves at the regions of the seats.

1,638,748. CLOSURE FASTENING. WALTER H. SANTEE, Allentown, Pa. Filed Jan. 27, 1926. Serial No. 84,238. 2 Claims. (Cl. 70—74.)

1. In combination with double doors hinged at their outer sides and meeting at their inner edges, a closure fastener including a master latch pivotally mounted on one of said doors having an end thereof over-lapping the adjacent edge of the other door when in latched position, and a plurality of pivotally mounted auxiliary latches

operated by said master latch and positioned one at the top and one at the bottom of said door, keeper-means secured to the upper and lower sills for engagement by said auxiliary latches, rods connecting said master latch and auxiliary latches, said rods being pivotally attached



to said latches eccentrically thereof, means for independently adjusting the length of said connecting rods and a lock on said door engageable with said master latch when the latter is in latched position for simultaneously locking all said latches.

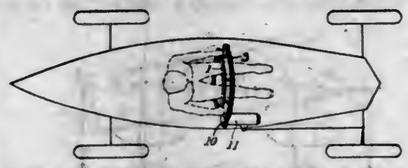
1,638,749. PRUNING SAW. GUILLERMO F. SANTOYO, Santa Paula, Calif. Filed Dec. 21, 1925. Serial No. 76,850. 1 Claim. (Cl. 30—11.)



A pruning saw comprising a handle having a longitudinally extending groove, a pivot bolt mounted therein, a blade supported by said bolt for swinging movements toward and away from said groove, and having a tapering opening to one side of said bolt and an inclined edge to the opposite side of the bolt, a casing embedded in the handle having a tapering opening arranged to align with said first opening and a bolt pivotally mounted within said housing and having a tapering extending portion adapted to have a wedging action with said tapering opening in the extended position of the blade and in abutting relation with said inclined edge when the blade engages within said groove.

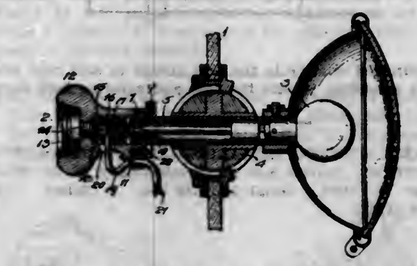
1,638,750. STEERING DEVICE FOR MOTOR VEHICLES. CHARLES SCHAEFFER, Paris, France. Filed Feb. 19, 1927, Serial No. 169,581, and in France Mar. 6, 1926. 5 Claims. (Cl. 280—87.)

1. In a steering device for motor vehicles provided with pivoted vehicle wheels, the combination of a steering wheel and means connecting the said steering wheel with the controlling mechanism of said pivoted vehicle wheels, said steering wheel consisting of a large



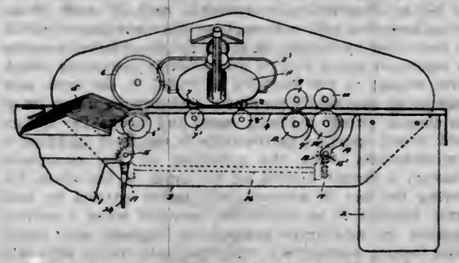
ring, without arms, so disposed that the driver of the vehicle may place his legs through the said ring.

1,638,751. COMBINED CIGAR LIGHTER AND LAMP. RICHARD F. SCHIELS, Glen Ellyn, Ill. Filed May 17, 1923. Serial No. 639,661. 7 Claims. (Cl. 175—296.)



1. In a device of the class described, a pair of electrical instrumentalities mounted on opposite ends of a tube, means for adjusting the distance apart of said instrumentalities, a switch movable axially of said tube to selectively actuate one or the other of said instrumentalities when the instrumentalities are mounted at less than a predetermined distance apart and to actuate only one of said instrumentalities when mounted at a distance apart greater than said predetermined distance.

1,638,752. ADJUSTABLE TRACK FOR MAIL-STAMPING MACHINES. GEORGE E. SHELDRICK, Detroit, Mich., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Oct. 22, 1923. Serial No. 670,190. 10 Claims. (Cl. 101—240.)

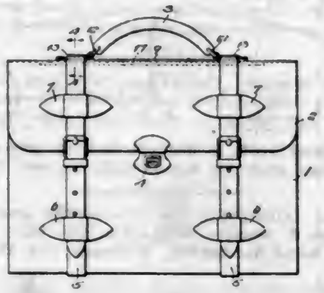


1. In a machine of the character described, the combination with means for operating upon articles, and a track upon which articles are adapted to be fed to said means, a feed table and a delivery table connected with said track and adjustable therewith, of spaced screws supporting said track, and means for driving said screws in unison to shift the track relative to said operating means.

1,638,753. BRIEF CASE. MICHAEL H. STEIN and LEO STEIN, Chicago, Ill.; said Michael H. Stein assignor to said Leo Stein. Filed Dec. 29, 1923. Serial No. 683,895. 5 Claims. (Cl. 150—1.6.)

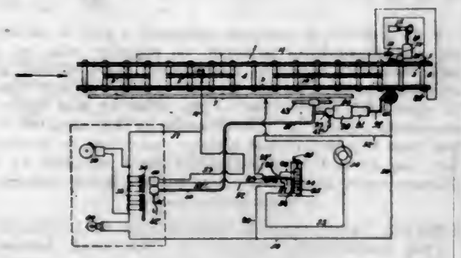
1. In a device of the kind described and in combination, a brief case and a carrying handle therefor, said brief case having a single lateral slot therein at its upper

edge adjacent the hande ends, said handle having means thereon engageable in said slots whereby it may be later-



ally adjusted relative to the load carried in said case, and straps extending around the case and covering said slots.

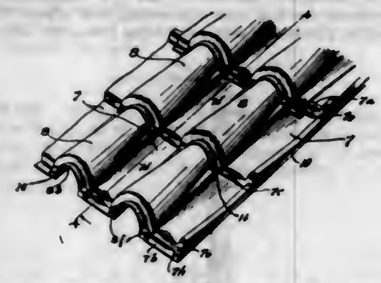
1,638,754. TRAIN SIGNALING AND CONTROLLING SYSTEM. JOSEPH SZUCHY, Perth Amboy, N. J. Filed June 19, 1923. Serial No. 646,486. 3 Claims. (Cl. 246—187.)



1. In a train signaling and controlling system for electric trains in which the trackway is divided into a series of blocks electrically interrelated, each of said blocks being provided with a semaphore the operation of which is controlled by a train in the block in advance, a series of separated signal rails of progressively increasing length with respect to the direction of travel of the train said rails being electrically connected and forming a portion of an electric circuit normally open, and means for closing said circuit operated by the train in the block in advance simultaneously with the actuation of the semaphore thereby, a circuit carried by the train in the block following the one in advance, and means carried by said train adapted to be electrically operated when a contact member on said train successively engages said signal rails thereby successively connecting said circuit with said semaphore circuit and successively establishing an energized circuit whereby the current driving said train will be alternately interrupted and reestablished corresponding with the successive engagement with the said rails and the brakes thereby alternately applied and released and the speed of the said train reduced accordingly, the final signal rail being of sufficient length to stop the said train.
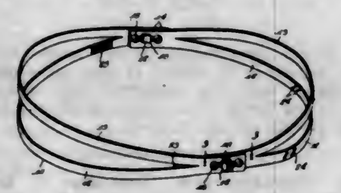
1,638,755. METAL SPANISH TILE. JOSEPH TYBA, Minneapolis, Minn. Filed Apr. 13, 1925. Serial No. 22,782. 8 Claims. (Cl. 108—17.)

8. A section of a sheet metal roofing comprising a member of substantially semi-cylindrical shape, having an offset portion at one end of larger diameter than the adjacent portion and having an offset portion at its other end of smaller diameter than its adjacent portion, said section having a flat ledge at each side between said



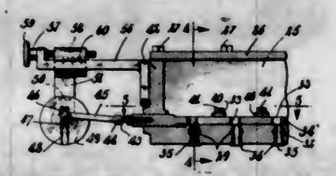
offset portions and a flat ledge at each side of said offset portion of smaller diameter.

1,638,756. HEADDRESS. HULDA WALLMAN, New York, N. Y. Filed June 29, 1926. Serial No. 119,503. 2 Claims. (Cl. 132—46.)



1. An ornamental head dress comprising two head encircling bands, means adjustably and pivotally connecting said bands together, said means consisting of headed elements each having a cross sectionally rectangular portion which coacts with portions of overlapping ends of said bands, said portions being provided by virtue of multiplex keyhole slots in each of the overlapping ends.

1,638,757. PAPER-COLORING DEVICE. KARL WILLE, Somerville, N. J., and WILLIAM TIEKE, Astoria, N. Y., said Tieke assignor to said Wille. Filed July 26, 1926. Serial No. 124,994. 5 Claims. (Cl. 91—43.)

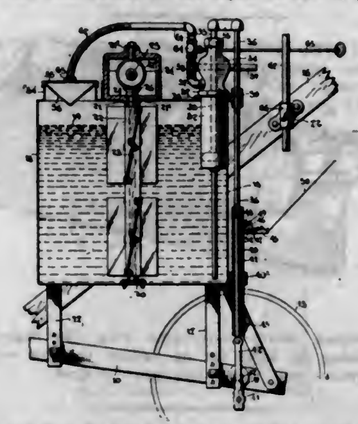


5. In a coloring device of the class described, a plurality of containers for coloring material having openings in the bottoms thereof, slidable members having openings therein slidably mounted in grooves in the bottoms of said containers, and actuating mechanism for reciprocating said slidable members to position the openings in the latter alternately into and out of registration with the openings in said bottoms for regulating dripping of coloring material therethrough to produce a repeated irregular design.

1,638,758. PLANT-SPRAYING APPARATUS. JESSE B. BOYETT, Tampa, Fla. Filed May 20, 1924. Serial No. 714,616. 2 Claims. (Cl. 299—42.)

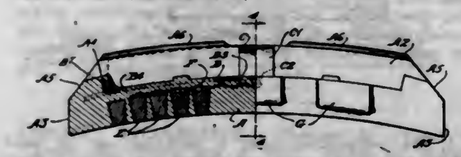
1. An apparatus for spraying plants comprising a tank for containing a spraying liquid, a pump element having its inlet within the tank and including an air chamber adapted to be coupled with a spray nozzle whereby a uniform spray is produced, in combination with a revoluble shaft arranged centrally of and extending from the top

to the bottom of the tank, upstanding, spaced sets of agitators arranged in superposed relation and fixed to and bodily revoluble with said shaft whereby a thorough mixing of the constituents of the liquid is had to prevent



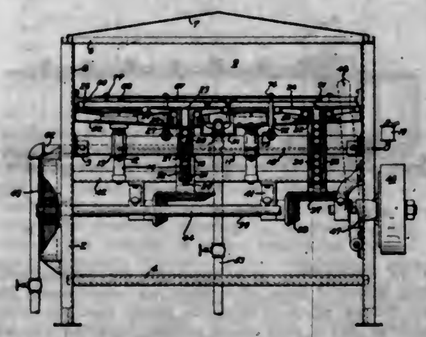
burning of the plants when sprayed and accumulation of solid matter at said inlet is prevented, each of the agitators of each set inclining throughout across the axis of the shaft.

1,638,759. BRAKE SHOE. CHARLES COBB, Jr., Marshall, Tex. Filed May 18, 1926. Serial No. 109,900. 21 Claims. (Cl. 188—257.)



13. The combination of a flanged wheel and a brake shoe which has a cast metal body having along one side edge a channel and having along its other edge lugs reaching from the back face of the body toward its inner face, the width of said body between said lugs and said channel being such as to cause said lugs to project laterally beyond the plane of the adjacent edge of the wheel when the shoe is in place on the wheel, and a plate metal back secured to said body, substantially as described.

1,638,760. EXHAUST BOX. WILLIAM DE BACK, San Leandro, Calif., assignor to Sprague-Sells Corporation, Hoopeston, Ill., a Corporation of Delaware. Filed Nov. 24, 1926. Serial No. 150,520. 14 Claims. (Cl. 126—272.)



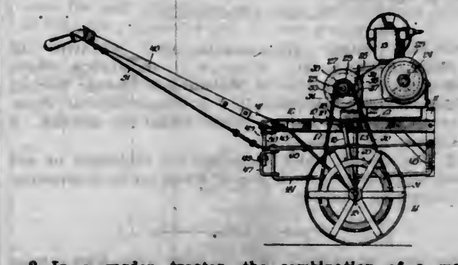
1. In a disk conveyor, a disk having an annular carrier portion and a recessed central portion.

1,638,761. NAME PLATE AND SIGN FRAME. ALBERT E. DIEUDONNE, New Iberia, La. Filed July 19, 1926. Serial No. 123,544. 4 Claims. (Cl. 40—132.)



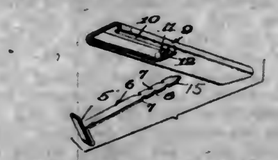
2. In a frame for signs or name plates, a sheet metal blank cut to form a panel, depending portions bent parallel extending forwardly of said panel and spaced therefrom to hold a sign and a transparent plate inserted therebetween, removable strips inserted underneath said depending portions to maintain said sign and transparent plate in desired position, and wing portions bent at right angles to said panel and having sections thereof bent along a diagonal to form a base for, and to support, said panel in inclined position.

1,638,762. GARDEN TRACTOR. FORREST V. DONALD, Port Washington, Wis., assignor to Gilson Manufacturing Company, Port Washington, Wis., a Corporation of Wisconsin. Filed June 5, 1922. Serial No. 566,113. 2 Claims. (Cl. 180—19.)



2. In a garden tractor, the combination of a main frame, ground engaging propelling members, arched axles upon which said propelling members are mounted and which are adjustably connected to said frame whereby the propelling members may be adjusted laterally with respect to the frame to permit said propelling members to span variable distances for different conditions, and a tool draft frame carried under the main frame and permanently supported thereby, said draft frame normally fitting within the arch of the axles when in use.

1,638,763. FASTENING DEVICE. GEORGE H. ENNIS, New York, N. Y. Filed Mar. 24, 1926. Serial No. 97,118. 4 Claims. (Cl. 24—153.)

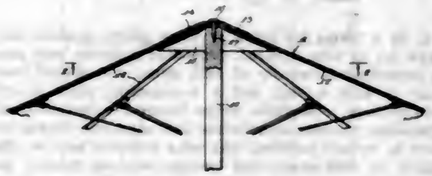


1. A fastening device comprising a penetrating prong and a co-operable tubular holding bar, said penetrating prong and said holding bar having positively engageable locking means including a lug on the holding bar.

1,638,764. UMBRELLA COVER, RIB, AND STICK CONNECTION. FRANK FABRIN, Tallman, N. Y., assignor, by direct and mesne assignments, to Continental Products Corporation, New York, N. Y., a Corporation of Delaware. Filed June 7, 1926. Serial No. 114,324. 5 Claims. (Cl. 135—20.)

5. In an umbrella construction, a cover, a circular piece of material within the cover at the central portion

thereof adhesively secured thereto, ribs having the upper ends adhesively secured to said piece of material with the remaining outer surfaces adhesively secured to the inside of the cover, a second circular piece of material overlying the upper ends of the ribs adhesively secured thereto and to the first-mentioned piece of material be-



tween the ribs, a stick having its upper end disposed in abutting relation to the central portion of the second-mentioned piece of material, and a fastening element extending through the central portion of the cover, the said pieces of material and anchored axially within the end of the stick.

1,638,765. WOOD SEPARATOR AND METHOD OF PREPARING SAME. WILLIAM H. GRIMDITCH, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 5, 1923. Serial No. 623,066. 5 Claims. (Cl. 136—150.)

2. The method which comprises the subjection of wet wood separators to the action of warm air of progressively decreasing humidity.

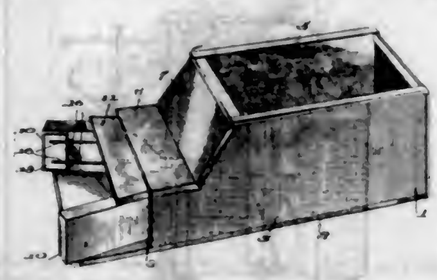
1,638,766. FLEXIBLE WASTE-PIPE CLEANER. FRED E. GROSVOLD, Eau Claire, Wis. Filed June 4, 1926. Serial No. 113,769. 2 Claims. (Cl. 137—70.)



1. A waste-pipe cleaning device including a shank formed of a spring coil, the convolutions of which at the front end of the shank are enlarged, a pilot head held to the shank at the terminal convolution of the shank, a cap disposed about the rear end of the shank and having its end separated from the adjacent end of the shank by an intervening space, an elongated spring extending longitudinally through the shank from said cap to said enlarged convolutions of the shank, and a ball on said elongated spring and disposed within the said enlarged convolutions of the coil.

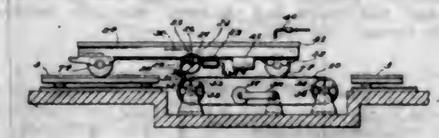
1,638,767. ANIMAL TRAP. WILLIAM I. HARMON, Langley, Wash. Filed Jan. 30, 1925. Serial No. 5,845. 2 Claims. (Cl. 43—65.)

1. In an animal trap, a receptacle having means defining an entrance, said entrance having side walls converging into the receptacle but having their inner ends spaced and a plurality of elongated resilient fingers carried by each side wall, each resilient finger having its outer end fastened to the side wall on which it is mounted and having its inner end free and pointed, the fingers being bowed so that their pointed ends lie closely adjacent to prevent egress from the receptacle, the fingers being readily flexed to permit ingress to the receptacle,



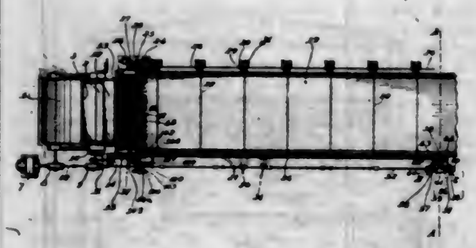
and holding means co-operable with the fingers for maintaining the same flat up against the side walls of the entrance and inoperative when desired.

1,638,768. GLASS-SURFACING APPARATUS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Apr. 22, 1925. Serial No. 25,006. 5 Claims. (Cl. 51—235.)



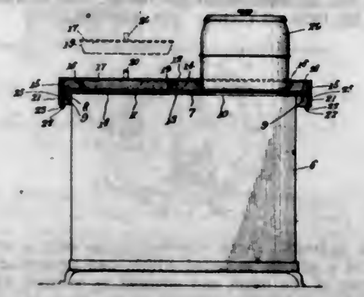
1. The combination with a surfacing car or table mounted for movement along a track and having a glass supporting surface, of a vacuum pump carried by the table, communicating means leading from the top surface of the table to the pump, and driving means for the pump positioned adjacent the path of movement of the table and arranged to actuate the pump while the table is moving past such driving means.

1,638,769. LEER CONSTRUCTION. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 30, 1926. Serial No. 151,693. 9 Claims. (Cl. 49—47.)



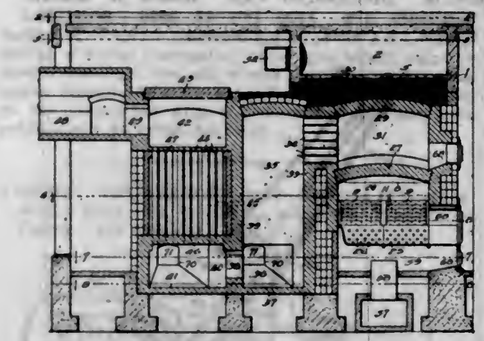
1. In combination with apparatus for intermittently rolling sheets of glass, of a roller leer comprising a high speed section which receives the sheets from the rolling apparatus and a slow speed section following the high speed section, means for driving the rolls of both sections at a relatively low peripheral speed, such means including one way clutch means for driving the rolls of the high speed section, and other means for driving the rolls of the high speed section at a relatively high speed, such means including another set of one way clutch means.

1,638,770. INSULATED STOVE-TOP ATTACHMENT. ARTHUR C. JONES, South Pittsburg, Tenn., assignor to Alan S. Kelly, South Pittsburg, Tenn. Filed Nov. 1, 1926. Serial No. 145,524. 3 Claims. (Cl. 126—211.)



1. In combination with a range having a permanent top with eyes therein and an overhanging ledge and a down-turned flange, lids for the eyes, a removable insulated top attachment comprising upper and lower spaced walls, heat-insulating material therein and an outer wall connecting the inner and outer walls, said attachment having openings with inclined walls of greater diameter than the diameter of the eyes, said attachment having overhanging edges extending beyond said ledge and flange, and hook-shaped clamps removably secured beneath the overhanging portions and interlocking with said ledge and flange.

1,638,771. INCINERATOR. EDWARD M. JONES, St. Louis, Mo. Filed Aug. 6, 1923. Serial No. 655,938. 4 Claims. (Cl. 110—12.)



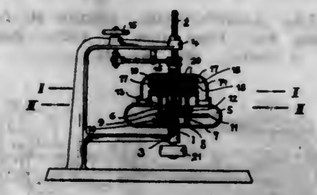
3. In an incinerator structure, a housing, a garbage storage bin having an inclined floor, an inclined oscillating garbage drying hearth, a burning grate disposed at the lower end of said hearth, a preheater, an arched structure having one of its end walls provided with a plurality of flame and smoke flues, said housing, hearth and arched structure forming, in conjunction with the walls of the housing, a lower combustion chamber, an upper combustion chamber, a rear combustion chamber, an equalizing chamber disposed at opposite ends of said preheater, a hot air chamber disposed below said hearth and a hot air chamber below said burning grate; a forced draft mechanism, an air and gas conduit leading from the storage bin to said forced draft mechanism, a forced hot air conduit leading from the preheater to the hot air chambers under the drying hearth and burning grate and a stack having communication with one of the equalizing chambers.

1,638,772. GASIFIER FOR LIQUID FUEL. FRITZ KRESS, Dresden, Germany. Filed Mar. 15, 1926, Serial No. 94,678, and in Germany Mar. 16, 1926. 2 Claims. (Cl. 158—67.)



1. In a gasifier for a liquid combustible, a burner tube having a series of radially placed apertures at the forward end thereof, a supply tube associated with the burner tube for supplying a combustible thereto, the said supply tube extending to approximately the forward end of the burner tube, and apertured projections on the said supply tube, the said projections and the apertures therein being so placed that flames issuing from the radially disposed apertures in the burner tube impinge upon the said projections and enter the apertures therein to heat the projections and the said supply tube.

1,638,773. FRICTION COUPLING. FRITZ LOBE, Breslau, Germany. Filed Dec. 23, 1926. Serial No. 156,734. 1 Claim. (Cl. 74—84.)

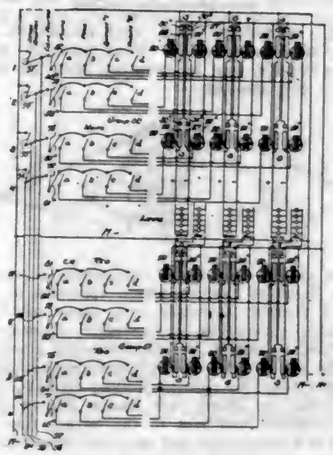


A friction coupling for revolving a shaft at rest, from a driving shaft which revolves at high speed, gradually from the zero speed to the speed of the driving shaft, a housing loosely mounted on said driving shaft, two auxiliary vertical shafts in said housing, a spur wheel keyed on said driving shaft, two transmission spur wheels keyed on one of said auxiliary shafts, two transmission spur wheels keyed on said second mentioned auxiliary shaft, a spur wheel keyed on said driven shaft all these spur wheels being located in said housing and being of different diameters so that at high speed revolving of said driving shaft the upper spur wheel on said auxiliary shafts rotates slowly around said spur wheel keyed on said driven shaft and said housing is slowly rotated on said driving shaft, a casing shiftably mounted on said driven shaft, friction disks shiftably mounted on the hub of said casing, bolts upwardly directed from said housing, and friction disks loosely mounted on said bolts and located one between every two friction disks of said casing for gradually coupling said casing with said housing and consequently said driven shaft with said driving shaft.

1,638,774. SELECTIVE CIRCUIT SYSTEM AND REMOTE CONTROL. ALBERT R. LOCKE, Chicago, Ill. Filed Sept. 1, 1920. Serial No. 407,386. 7 Claims. (Cl. 171—97.)

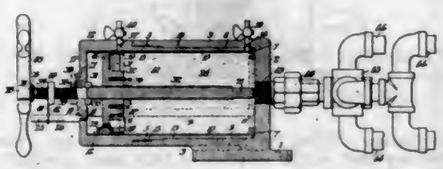
1. An electric current control system having in combination a plurality of current supply circuits; a plurality of electromagnetic switches, one individual to each current supply circuit and each switch having a pair of windings which separately can close a given associated

switch; a plurality of pairs of manual switches, the switches of each pair controlling respectively the energization and deenergization of the two windings of a



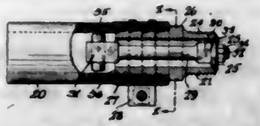
given associate electro-magnetic switch and a master switch to close circuit through like closed manual switches of all of the pairs.

1,638,775. LUBRICATOR. HARLAN M. LUDWICK, Parkesburg, Pa. Filed June 2, 1923. Serial No. 643,059. 4 Claims. (Cl. 184—28.)



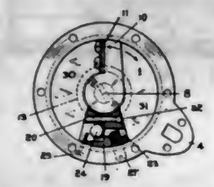
1. In a lubricator, the combination with a casing inclosing a grease chamber; of a piston fitted for axial reciprocation in said chamber; a screw shaft engaging said piston as a nut; means arranged to prevent rotation of said piston when said screw shaft is rotated, including a guide rod, extending through said piston; a removable guide plate fitted in said chamber, against the end of said casing and holding said guide rod, parallel with said screw shaft; whereby rotation of said screw shaft axially shifts said piston in said chamber.

1,638,776. RAW-WATER SYSTEM FOR MAKING ICE. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed Sept. 26, 1922. Serial No. 590,585. 6 Claims. (Cl. 284—13.)



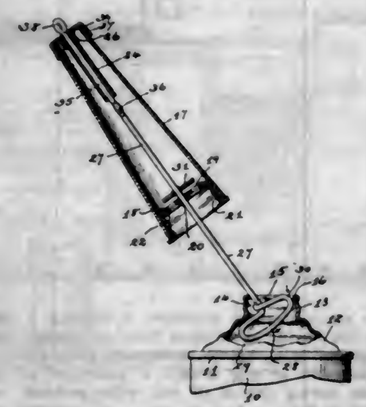
1. In a system for supplying agitating air to ice cans, the combination of an air supply pipe, a valve body therein having an inwardly facing seat at its inner end, a valve in the body, a pipe to which the air is to be supplied, a flexible connection between the valve body and the pipe, a stem for the valve extending through the body and a projection upon the stem engaged by the end of the pipe to open the valve.

1,638,777. HYDRAULIC SHOCK ABSORBER FOR MOTOR VEHICLES. WILLIAM PATRICK MASON, New Mile End, South Australia, Australia, assignor of one-half to Norman Samuel Spencer, Adelaide, Australia. Filed Oct. 23, 1926, Serial No. 143,662, and in Australia June 15, 1926. 3 Claims. (Cl. 188—89.)



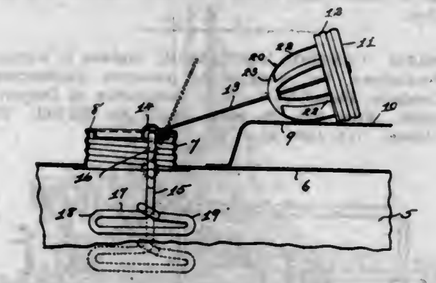
2. An hydraulic shock absorber comprising a circular drum and a spindle mounted within and projecting from the centre of the drum and adapted to oscillate therein, projecting arms rigidly attached to the drum and to the spindle the outer ends of which are adapted to be pivotally attached respectively to the axle or to the spring and to the frame of the vehicle according to the construction thereof and to the position of the device, a block secured within the drum and forming a fixed abutment therein having two through passages the one a comparatively small one of adjustable bore and the other a relatively large one fitted with a valve and with a device whereby it may be wholly or partially closed, and a radial plate secured upon the spindle and forming a radial piston within the cylinder, the block and the plate dividing the interior of the drum into two chambers which vary in relative size as the spindle with the plate oscillates within the drum, substantially as described and for the purpose set forth.

1,638,778. DISPENSING CAN. JOSEPH H. MILLER, Harrisburg, Tex. Filed July 23, 1926. Serial No. 124,336. 2 Claims. (Cl. 221—56.)



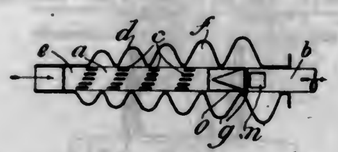
1. In a dispensing can the combination with a can-body having a nozzle-engaging connection, of a nozzle detachably connecting with said body-connection, a stem extending through the nozzle said stem having a pivoted outer end portion to enable said portion to be swung laterally when drawn outwardly from the nozzle and a cap attached to the outer pivoted end of the stem and shaped to cover the nozzle end.

1,638,779. DISPENSING RECEPTACLE. JOSEPH H. MILLER, Harrisburg, Tex. Filed July 31, 1926. Serial No. 126,207. 5 Claims. (Cl. 221—4.)



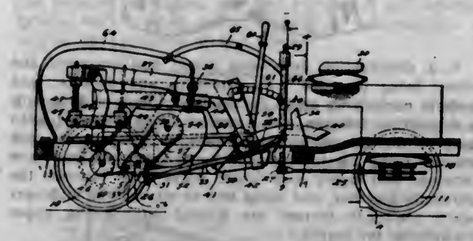
1. The combination with a dispensing receptacle having an outlet in a wall thereof above the bottom, of a closure for said outlet, means attached to the closure and extending into the receptacle for drawing the closure toward said outlet and guide means also attached to and moving with the closure for directing the closure over the edge of the receptacle outlet, said guide means being in addition to the drawing means.

1,638,780. EXHAUST SILENCER FOR INTERNAL-COMBUSTION ENGINES. JAMES NEIL, Anniesland, Glasgow, Scotland. Filed Apr. 24, 1924, Serial No. 708,771, and in Great Britain Oct. 12, 1923. 8 Claims. (Cl. 137—160.)



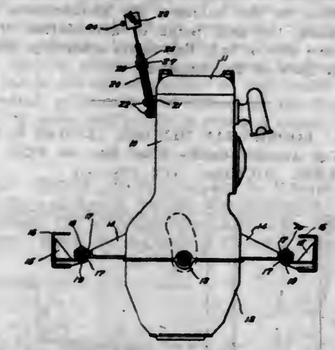
1. An exhaust silencer for internal combustion engines formed of a perforated inner pipe and an outer casing having a helical corrugation defining a helical chamber around said pipe; one end of said pipe being open to the engine exhaust and the other end of said pipe being open to the atmosphere with a division between said ends substantially as herein set forth.

1,638,781. VELOCIPEDE. ISAAC NETTLES, Cleveland, Ohio. Filed Aug. 9, 1924. Serial No. 731,086. 5 Claims. (Cl. 208—33.)



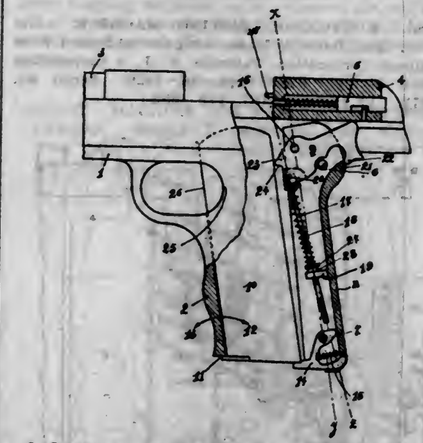
1. In a manually propelled vehicle, operating levers, a crank shaft, members mounted upon the crank portions of the crank shaft, a link connection between each of the pitmen and the co-operating lever, a link and spring connection between each pitman and an operating lever and link, said springs being disposed upon opposite sides of the co-acting pitman.

1,638,782. AUTOMOBILE CONSTRUCTION. CLYDE R. PATON, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Jan. 3, 1927. Serial No. 158,675. 10 Claims. (Cl. 123—192.)



1. In an internal combustion engine and a support therefor, a vibratory system therefor positioned to be affected by the vibration of said engine at an engine speed wherein the number of explosions per unit of time in said engine synchronizes with the natural period of vibration of said support, and to be set in motion thereby, and means for frictionally resisting said motion.

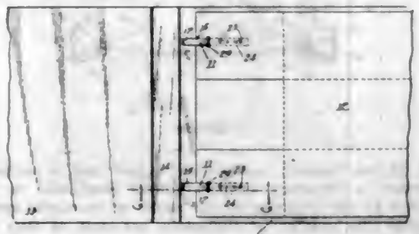
1,638,783. AUTOMATIC PISTOL. EMILE PHILIPPART, Liege, Belgium. Filed Aug. 10, 1926. Serial No. 128,388. 2 Claims. (Cl. 42—3.)



1. In an automatic pistol having a pivotally disposed cartridge magazine through the intermediary of which the hand pressure is communicated to the hammer locking mechanism, thereby provoking the liberation and the blow of the hammer, the handle of the pistol being for this purpose suitably cut away at the front of the magazine, a hammer pivoted within the handle part of the pistol, a suitably perforated projection upon said handle part, a rod suitably guided by one of its extremities within said perforated projection, and articulated by its other extremity to the hammer at a point, which at the cocked position of the hammer is disposed at one side for instance in front of the line passing through the pivot center of the hammer and through the center of the hole within said projection, this cocked position being determined through the contact between the suitably formed hammer head and a shoulder of said handle part a spring

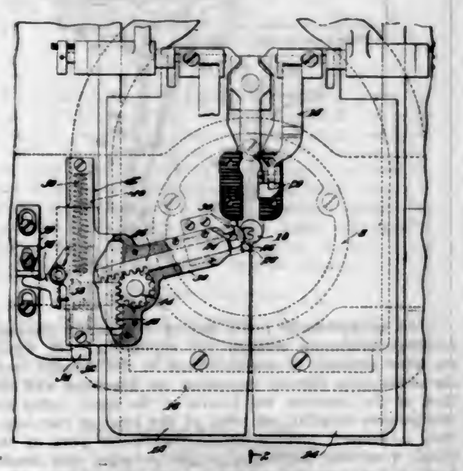
combined with said rod and pressing on the one hand against said projection of said handle part and on the other hand through the intermediary of said rod against the hammer at said point, thereby maintaining the hammer in the cocked position, and a shoulder upon said hammer serving to transmit the angular displacement of the magazine to the hammer, the displacement of the latter causing the said point of articulation to move from the one side of said line to its other side thus provoking the blow of the hammer.

1,638,784. LOOSE-LEAF BINDER. AUGUST B. PLUSHKELL, Los Angeles, Calif. Filed Dec. 10, 1923. Serial No. 679,625. 5 Claims. (Cl. 129—1.)



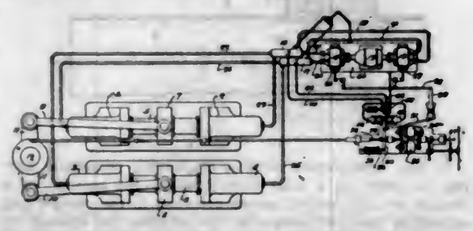
1. In a device of the character described, the combination with a base, of a leaf-retaining member comprising a ring portion and means to secure it to the base, there being a gap in the bottom of the ring portion adjacent the base, and a member adapted to be secured in place to close said gap.

1,638,785. BUTTONHOLE-SEWING MACHINE. EUGENE J. RAY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 16, 1920. Serial No. 410,672. 17 Claims. (Cl. 112—252.)



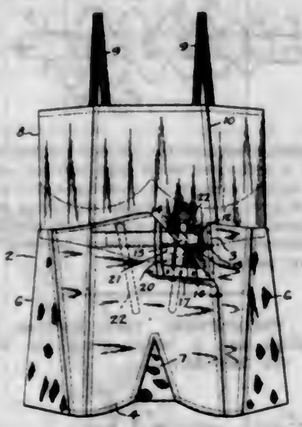
17. A buttonhole sewing machine having, in combination, stitch forming mechanism including upper and under thread mechanisms and means for delivering a stay cord to the under side of the work to be covered by the overseam, a main frame, a travelling work clamp carriage movable with relation to the frame provided with work supporting plates, spring actuated devices on one of the plates for severing the cord and threads between the under thread mechanism and the work, means for setting said devices by the travel of the work carriage during sewing, a retaining latch for said devices, and means for tripping said latch by the travel of the carriage to release said devices after the completion of the sewing.

1,638,786. CONTROL MECHANISM. GEORGE E. SMITH, Jenkintown, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 28, 1924. Serial No. 695,841. 21 Claims. (Cl. 138—23.)



1. The combination of an hydraulic system of a pump; an hydraulic motor actuated by fluid propelled by said pump; floating gear connected between the motor and the pump; and means operative on said floating gear to prevent over-load on the pump when the fluid pressure in the system exceeds a predetermined maximum.

1,638,787. COMBINED DETACHABLE CORSET AND BRASSIÈRE. WILLIAM SOMERS, South Norwalk, Conn. Filed Dec. 5, 1925, Serial No. 73,299. Renewed June 28, 1927. 9 Claims. (Cl. 2—30.)

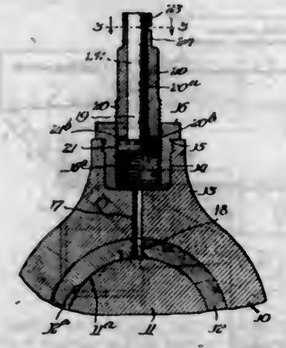


1. A combination detachable corset and brassière, the corset being provided with stiffeners and pockets, said pockets comprising upper pockets and lower pockets with a separation between, the brassière being provided with keepers through which said stiffeners are passed, said keepers being retained on the portions of the stiffeners between said upper and lower pockets to connect the garments together, and being free to slip off the stiffeners when the ends thereof are slipped out of the upper pockets on the corset.

1,638,788. SELF-LOCKING DEVICE. HARRY VISSERING, Kenilworth, Ill. Filed Mar. 26, 1920. Serial No. 369,155. 5 Claims. (Cl. 151—19.)

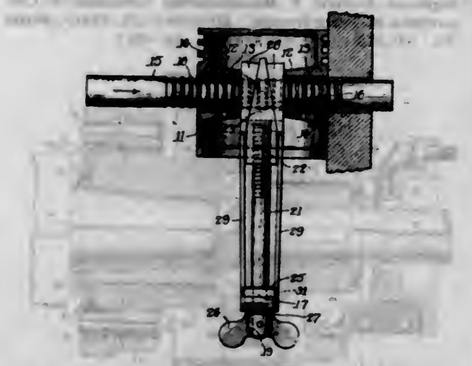
1. In a device of the character described, in combination, a pair of separate elements having complementally threaded portions for simultaneous engagement with an

object, said elements being adapted to operate in unison, said elements also having eccentric alined axes, the elements normally being relatively spaced when locked, one



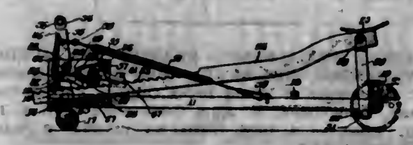
of the elements comprising two separate but relatively immovable parts, the said separate elements being adapted to bind laterally when relatively moved.

1,638,789. PISTON TOOL. GAILARD E. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 19, 1924. Serial No. 700,208. 7 Claims. (Cl. 90—33.)



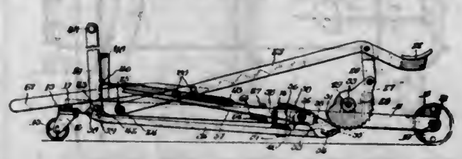
2. A tool of the character described comprising in combination recessed bracing means adapted to bear against the opposed inner faces of the pair of internal apertured bosses of a piston, and means to contract and expand said bracing means including a member between said boss faces and recessed in register with the recesses of said bracing means, said recesses being adapted to accommodate a tool in the apertures of said bosses.

1,638,790. TRUCK JACK. GAILARD E. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Aug. 22, 1925. Serial No. 51,767. 1 Claim. (Cl. 254—2.)



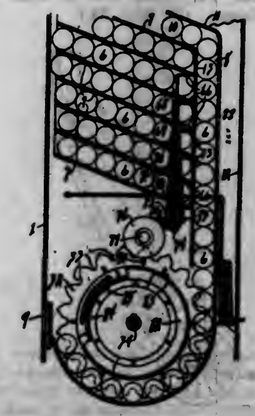
In a truck-jack, the combination of a truck-frame, carrying-wheels therefor, a ratchet-bar, a load-engaging saddle mounted on said ratchet-bar near one end thereof, a link connecting said ratchet-bar near said saddle to said truck-frame, a bearing for the other end portion of said ratchet-bar permitting lengthwise sliding movement of the latter, an operating-handle fulcrumed on said truck-frame, an operating pawl associated with said handle adapted to coact with the teeth of said ratchet-bar, a holding-pawl cooperating with said ratchet-bar teeth, and means connecting said pawls permitting the descent of the saddle, whereby the load may be lifted and lowered step by step by actuation of said operating-handle, said ratchet-bar in the lowest position of said saddle being in a convenient position for movement by the foot of the operator to cause said saddle to rise and engage the load.

1,638,791. TRUCK JACK. GAILARD E. WEAVER, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Sept. 8, 1925. Serial No. 54,855. 5 Claims. (Cl. 254—2.)



1. In a truck-jack, the combination of a truck-frame, carrying-wheels therefor, a load lifting and lowering lever fulcrumed on said frame and having an extension beyond the fulcrum on that side of the latter opposite the place where the lever assumes the load, a ratchet-member rockingly mounted on said frame, and operative connection between said ratchet-member and lever, an operating-handle fulcrumed on said frame, and means enabling said handle to operate said ratchet-member step by step including pawls coacting with the latter, whereby the operator by means of said extension may quickly rock said lever upwardly to approach the load initially without rocking the handle.

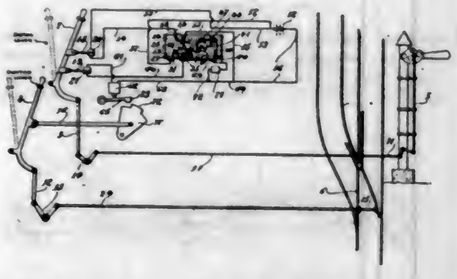
1,638,792. MACHINE FOR VENDING BOTTLED BEVERAGES. ROSIER B. WINGATE, Fort Worth, Tex. Filed Jan. 11, 1926. Serial No. 80,562. 6 Claims. (Cl. 211—8.)



1. A beverage bottle vending machine comprising a casing provided with a discharge door, a storage bin provided with a main discharge chute leading to said door a pair of bottle carrying wheels of different diameters revolubly mounted in said casing, each wheel having a plurality of peripheral cavities and adapted to move the bottles in said main chute for moving the bottles one by

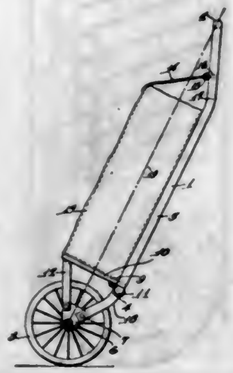
one to said door, means for forcing the bottles through said door, a plurality of storage chutes inclined towards said main chute, means for locking said inclined chutes closed, and means actuated by said bottle carrying wheels for releasing the locking means of said inclined chute.

1,638,793. AUTOMATIC TIME-LIMIT CONTROL MEANS FOR INTERLOCKING LEVERS OF RAILWAY APPLIANCES. CHARLES ADLER, Jr., Baltimore, Md. Filed Feb. 26, 1926. Serial No. 90,733. 4 Claims. (Cl. 246—161.)



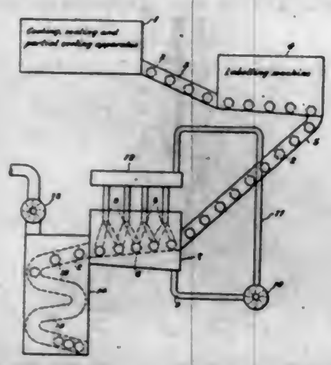
1. In a railway signal and switch apparatus the combination with a switch operating mechanism, of a lock including a latch for holding the switch mechanism, a lock-magnet for controlling the latch, a relay magnet having an armature coacting therewith which latter when the relay is de-energized moves beyond the influence of the relay magnet to pick it up, a circuit controlled through the signal mechanism to normally energize the relay-magnet, a motor mechanism with means for moving the armature to a position where the relay magnet may pick it up, and electrical circuits controlled by the signal mechanism when the latter is moved to the danger position for setting the motor mechanism into operation and at a predetermined time releasing the lock to permit the switch mechanism to be moved.

1,638,794. PORTABLE CARRIER. ALINE L. ALDRICH, Merion Station, Pa. Filed Feb. 6, 1926. Serial No. 86,467. 3 Claims. (Cl. 280—58.)



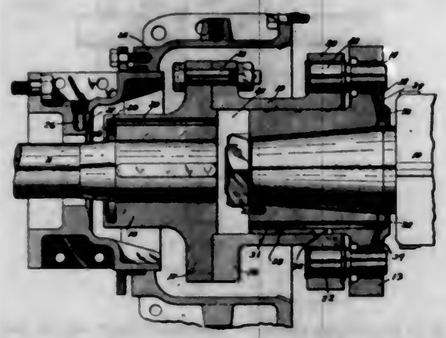
3. A carrier including a yoke-shaped frame having a handle part; arms extending from the handle part and having their ends bent inwardly and forwardly; plates secured to the ends of the arms; a wheel rotatably secured to the plates; a platform; a brace secured to the plates and the platform, and means for attaching the platform to the arms.

1,638,795. LABELING PROCESS. WALTER H. BENTLEY, San Jose, Calif. Filed Apr. 23, 1924. Serial No. 708,456. 6 Claims. (Cl. 216—62.)



1. The process of treating cans which comprises the steps of labeling the cans while hot, spraying the cans to deposit thereon a protecting glossy coating of material, and cooling the sprayed cans.

1,638,796. SHAFT COUPLING. HARRY F. CARES and ROLAND MARSLAND, Essington, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 23, 1921. Serial No. 517,275. 4 Claims. (Cl. 64—89.)

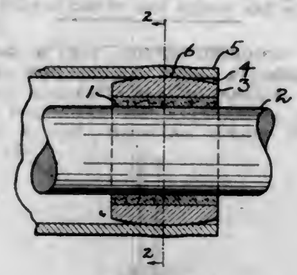


1. In a shaft coupling of the expansion type, in combination, a first coupling member, a second coupling member having a sleeve adapted to engage the first coupling member in axially sliding relation and defining a chamber therewith, torque-transmitting means connecting the first coupling member and the sleeve, centrifugal means including longitudinal ducts whereby lubricant is supplied to the chamber through the second coupling member, means including a spiral groove whereby lubricant is fed between the sleeve and the first coupling member from the chamber, and means including a longitudinal duct through the first coupling member whereby lubricant is fed from the chamber to the torque-transmitting means.

1,638,797. SELF-ALIGNING BEARING AND METHOD OF MAKING THE SAME. CARL CLAUS, Plainfield, N. J., assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J., a Corporation of New Jersey. Filed Oct. 1, 1926. Serial No. 138,894. 6 Claims. (Cl. 29—149.5.)

1. In a self-aligning bearing construction, a bearing device in which the shaft may be journaled, said device having a spherical periphery, and a tube into which

said device is forcibly inserted so as to expand the tube wall and form therein a seat for the spherical periphery of said device.



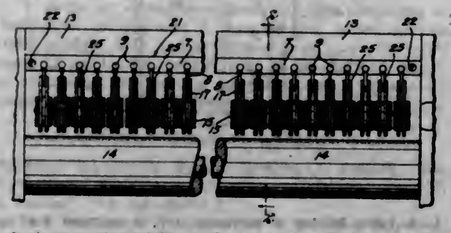
4. A method of making a self-aligning device having a tube with a bearing seated therein so as to be capable of rocking on its seat under a self-aligning action, which consists in providing a bearing having a spherically shaped periphery and then forcing the same into a tube of smaller bore than the diameter of said periphery of the bearing so as to expand the wall of the tube and form upon its interior a seat for said bearing to rock in.

1,638,798. FRUIT-CORING DEVICE. THOMAS F. COONEY, New Haven, Conn. Filed Apr. 16, 1926. Serial No. 102,426. 4 Claims. (Cl. 146—53.)



1. A coring device of the character described, comprising a tubular cutter, a handle connected therewith, and a combined core extractor and core compressor within the tubular cutter and operatively connected with the handle.

1,638,799. CAM STOP STRIP FOR KEYBOARD ASSEMBLIES OF MACHINES FOR CASTING LINES OF TYPE. GEORGE LOUIS CUBLE, Minneapolis, Minn. Filed July 6, 1926. Serial No. 120,576. 6 Claims. (Cl. 199—25.)



1. A cam stop strip of the kind described having pins yieldingly mounted for self-centering action.

1,638,800. SCOURING IMPLEMENT. JOHN D'ALBORA, Yonkers, N. Y. Filed Mar. 4, 1924. Serial No. 696,753. 3 Claims. (Cl. 15—211.)



1. A scouring device comprising a supporting member, a flat, non-metallic, resilient member carried by the free end of the supporting member, a hollow pad having steel wool secured to part of its exterior surface, said pad being removably secured in substantially enclosing relation to the resilient member.

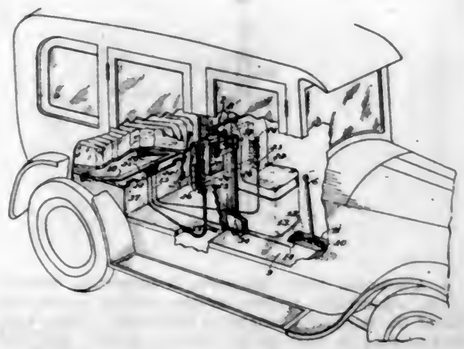
1,638,801. RESILIENT VEHICLE WHEEL. PHILLIP A. DUNKEL, Denver, Colo. Filed Jan. 14, 1926. Serial No. 81,227. 6 Claims. (Cl. 152—28.)



5. In a resilient wheel, the combination with a rim having an annular flange and a hub having a circular flange positioned within the rim flange but separated from the same by an annular space, said rim flange having a circular series of arcuate slots; of flat rings on opposite sides of said flanges and covering the space between said flanges, said rings having arcuate slots which register with the slots in the rim flange, bolts extending through said slots, half elliptic springs which are secured at their central portions to the hub flange and are arranged in alternate order on opposite sides of said flange, their ends being secured to said bolts, circular

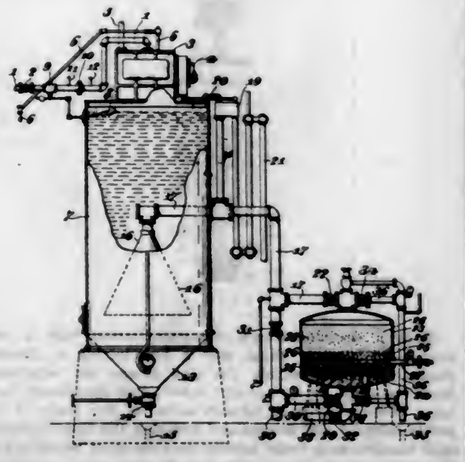
housing plates secured to opposite sides of the hub flange and extending partially over the rim flange, guides on the rim flange which overlap the outer portions of said housing plates, radial arms on said housing plates, and spring pressed abutments on the rim flange which engage the opposite sides of said radial arms.

1,638,802. GEAR-SHIFT-CONTROL APPARATUS. FRANK A. FUCI, Pittsburgh, Pa. Filed July 3, 1926. Serial No. 120,441. 5 Claims. (Cl. 180—82.)



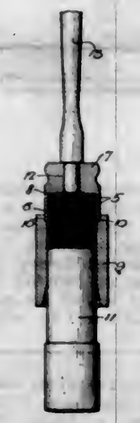
1. A locking device for gear shift levers, comprising a flexible thrust member, a locking bar actuated by said member, means for effecting longitudinal movement of said member in one direction, and means for bending said member at a point intermediate its ends to effect retractive movement of one of said ends.

1,638,803. WATER TREATMENT. GEORGE H. GIBSON, Montclair, N. J., and JOSEPH D. YODER, Philadelphia, Pa., assignors to Cochrane Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1924. Serial No. 694,468. 18 Claims. (Cl. 210—14.)



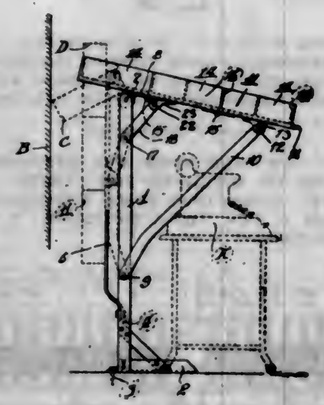
1. The method of treating water, which comprises subjecting the water to a reagent of such character and in such quantity as to produce a precipitate and to leave the water alkaline, and filtering the alkaline water through a medium comprising compound of calcium substantially insoluble in the alkaline water.

1,638,804. SCOURING DEVICE. JOHN W. GOTTSCHALK, Philadelphia, Pa. Filed Jan. 25, 1923. Serial No. 614,788. 1 Claim. (Cl. 15—225.)



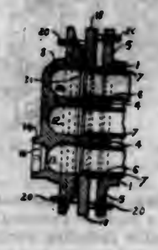
The combination, in a utensil, of a cupped body, and a fabric formed of a sinuously looped metal strand having the opposing laps connected together by stitching, said fabric being folded and wound into a cylinder and mounted in the body, the said stitching being located within the body and the looped strands of metal projecting beyond the body to form a scouring portion.

1,638,805. FOLDABLE CHECKING TABLE. WALTER J. HAUSMAN, St. Louis, Mo. Filed Nov. 25, 1921. Serial No. 517,497. 3 Claims. (Cl. 45—6.)



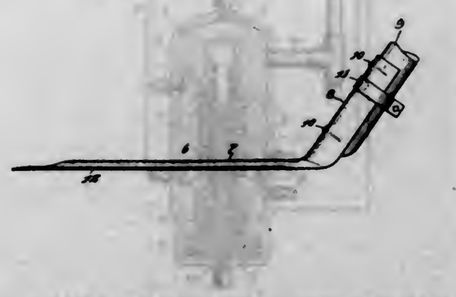
1. A table having a sectional top, a support for upholding one end of said top secured adjacent said end, a member swingable from said support extending to and supporting the opposite end of said top, said top adapted to be travelled over said support, and means forming part of said top for preventing said top from collapsing when said top is being upheld by said support and said swingable member.

1,638,806. CONDENSER. JOHN J. HILLIARD, Fort Worth, Tex., assignor to Baker Ice Machine Company of Texas, Fort Worth, Tex., a Corporation of Texas. Filed Feb. 4, 1927. Serial No. 165,863. 7 Claims. (Cl. 257—240.)



1. In a condenser of the specified class, an outer tube having a terminal head, a plurality of inner tubes projecting through the terminal head, an outer head having passages therein for intercommunication with the inner tubes, and means including an intermediate head for adjusting the inner tubes to the outer head.

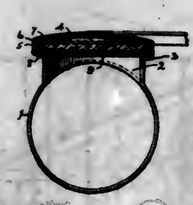
1,638,807. DOUBLE-CUTTING-EDGE GOLF SICKLE OR SCYTHE. CHARLES A. HOPWOOD, St. Louis County, Mo. Filed Sept. 4, 1925, Serial No. 54,423. Renewed Apr. 28, 1927. 3 Claims. (Cl. 30—11.)



1. A sickle or scythe comprising a blade consisting of a horizontal portion and a semi-circular socket portion formed integral with and extending at an angle from the horizontal portion, the entire edge of the horizontal portion sharpened for cutting purposes, and a clamp for holding a handle in the socket portion.

1,638,808. TAMPION PAD. EDWARD J. GULICK, Elkhart, Ind. Filed Apr. 12, 1926. Serial No. 101,327. 3 Claims. (Cl. 84—385.)

1. In a wind musical instrument of the class described, the combination of a pad-cup provided with a peripheral depending flange, and a key pad assembly mounted within said pad-cup, said pad assembly comprising an annular pad carrier provided with an annular outwardly extending peripheral flange, a pad arranged within said carrier,



and a flexible pad cover secured about said pad and carrier, said key pad assembly being fitted tightly within said pad-cup and retained therein wholly by said tight fit.

1,638,809. NECKTIE SUPPORTER. JOHN H. JOHNSON, Astoria, N. Y. Filed Oct. 27, 1926. Serial No. 144,444. 4 Claims. (Cl. 24—57.)



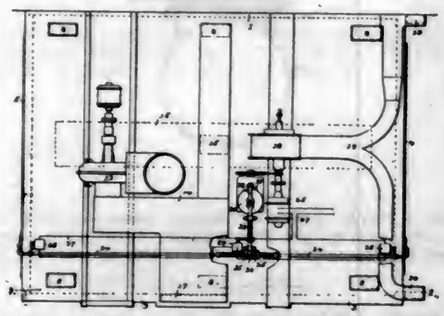
1. A neck-tie supporter comprising a sheet metal plate having opposed arms terminating in raised circular pads, an outbowed central member perpendicular to said wings, and means on the point of said bowed member to engage an article of neckwear.

1,638,810. CUSHION TIRE STRUCTURE AND METHOD OF APPLYING TO WHEELS. FRED R. KLAUS, Warren, Ohio, assignor to The American Welding and Manufacturing Company, Warren, Ohio, a Corporation of Ohio. Filed Dec. 16, 1922. Serial No. 607,461. 2 Claims. (Cl. 152—1.)



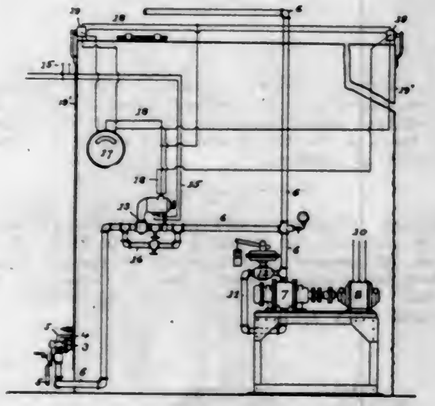
1. A vehicle wheel structure comprising a pair of spaced annular side sections, a ring interposed between said side sections and interlocking with them, said ring having its inside diameter less than said side sections and having its inside edges rounded whereby forcing such tire structure upon the fixed rim of a wheel body causes said ring to be expanded.

1,638,811. METHOD OF AND APPARATUS FOR DRYING AND ENAMELING. ARTHUR MAEHLER and KARL SIEGELE, Chicago, Ill., said Siegele assignor to said Maehler. Filed Aug. 5, 1926. Serial No. 127,276. 15 Claims. (Cl. 34—19.)



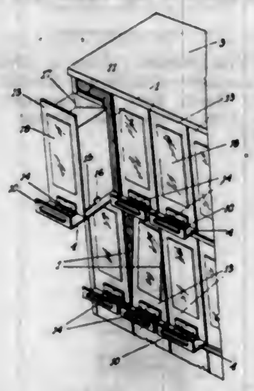
1. The herein described method of operating drying and enameling ovens of the exhaust ventilation type, the same comprising the forcing of a supplemental supply of air through the oven chamber during the initial portion of the operation of the oven, controlling the period of such supply by a timing means, and controlling said timing means in turn by the closed and the open condition of the oven doors.

1,638,812. DRYING AND ENAMELING OVEN. ARTHUR MAEHLER and HERMAN THATE, Chicago, Ill., said Thate assignor to said Maehler. Filed Aug. 5, 1926. Serial No. 127,278. 1 Claim. (Cl. 34—9.)



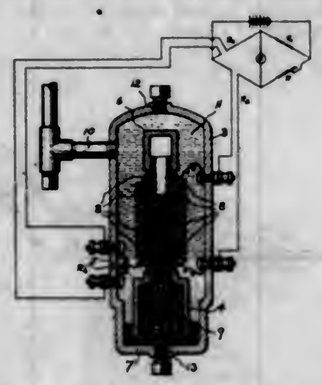
In an automatic temperature control system for drying and enameling ovens of the indirectly heated gaseous fuel type, and in which a thermostatically controlled electric mechanism has controlling connection with a motor actuated valve in the fuel supply to the oven burners, the combination of an electric circuit embracing said instrument, a circuit reversing switch arranged in said circuit, and an operating connection between said switch and an oven door, adapted to operate said switch to one position in an opening of said door, and operate the switch to the reverse position as said door is moved to a closed condition.

1,638,813. SALES-INDICATING CONTAINER. JOSEPH S. COCHRAN, Stockton, Calif. Filed Dec. 7, 1925. Serial No. 73,691. 3 Claims. (Cl. 211—8.)



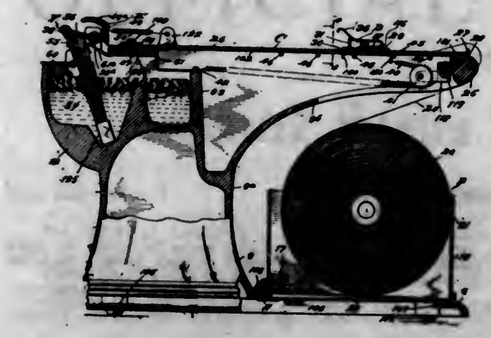
1. In a self-selling sales apparatus, a container, supporting means for a package provided with the container, said supporting means including vertical plates insulated from each other and between which the package fits, a horizontal flange at the bottom of one plate and a horizontal extension on the other plate above and overhanging the flange and means acting to tilt the plate having the extension toward the other plate to cause the extension and flange to engage, and functioning only when the container is empty.

1,638,814. ELECTRICAL PRESSURE GAUGE. HIRSCH EPSTEIN, Chicago, Ill., assignor to Hyperbo-Electric Flow Meter Co., Chicago, Ill., a Corporation of Delaware. Filed July 3, 1922. Serial No. 572,486. 3 Claims. (Cl. 177—351.)



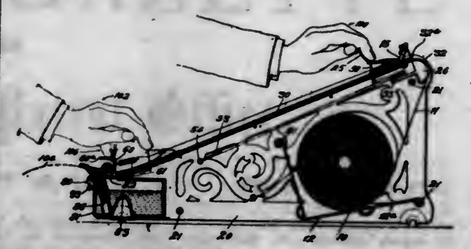
1. In a pressure measuring device, the combination of a closed gas chamber having a gas trapped therein, a pressure chamber enveloping said gas chamber and connected therewith, means for imposing the pressure to be measured upon the gas trapped in said gas chamber, and means including a first resistance responsive to the volume of the trapped gas and a second resistance disposed in the enveloping pressure chamber and varying with the temperature of the trapped gas and electrically connected with said first resistance for electrically determining the pressure to be measured as a combined mathematical function of the temperature and volume of the trapped gas.

1,638,815. TAPE-SERVING DEVICE. THEODORE H. KRUEGER, New York, N. Y. Filed Sept. 6, 1923. Serial No. 661,168. 20 Claims. (Cl. 91—14.5.)



1. In combination, a device for applying moisture to tape, including capillary moisture feeding means and self-adjusting means for holding the tape in contact with the moistening surface of said moisture feeding means.

1,638,816. TAPE-SERVING DEVICE WITH INCLINED GUIDE. THEODORE H. KRUEGER, New York, N. Y. Filed Mar. 4, 1924. Serial No. 696,907. 9 Claims. (Cl 94—14.5.)



1. In a strip server of the type described including a severing device and a moistener, the combination of a roll holder, a straight inclined flattened tubular strip guide having a slot through the upper and lower walls thereof, a hand-actuated strip feeder movable in a fixed path along the outside of said guide, and means on said strip feeder to project into said slots to feed the strip through said guide.





Patents Nos. 1,638,817 to 1,639,642.

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Labels	23	No. 32,573 to No. 32,595	inclusive.
Prints	4	No. 10,113 to No. 10,117	inclusive.
Reissues	6	No. 16,703 to No. 16,708	inclusive.
Designs	37	No. 73,248 to No. 73,284	inclusive.
Patents	826	No. 1,638,817 to No. 1,639,642	inclusive.
Total	1,223		

Disclaimer.

1,302,606.—*Gideon Sundback*, Meadville, Pa. SEPARABLE-FASTENER SLIDER. Patent dated May 6, 1919. Disclaimer filed August 4, 1927, by the assignee, *Hookless Fastener Company*.

Hereby disclaims from the scope of claim 4 of said Letters Patent, any sliders except those wherein the channels diverge between the wings and have opposite surfaces between which both ends of the interlocking members are guided in entering and leaving the wings, and wherein the wings are connected independently of the stiffening means, and the stiffening means is made separately from and assembled with the connected wings.

Adverse Decisions in Interference.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,392,060, James and De Camp, Control system, decided April 18, 1927, claim 9.

Pat. 1,421,180, R. De Camp, System of control, decided April 18, 1927, claim 5.

Pat. 1,573,148, W. S. Edsall, Electrical generating and distributing systems and apparatus therefor, decided June 7, 1927, claim 2.

Pat. 1,593,272, C. S. Smith, Machine for correcting splined shafts, decided July 6, 1927, claims 8 and 9.

A final decision in interference has been rendered against the following trade-mark:

T. M. 122,001. Dyes combined with soap. Sunbeam Chemical Company, Chicago, Ill. Registered October 1, 1918. Decided July 7, 1927.

Adjudicated Patents.

(C. C. A. Ohio.) The Smith patent, No. 1,262,860, for egg-hatching method and apparatus, claims 1, 2, and 3 *Held* not infringed. *Buckeye Incubator Co.* v. *Petersime*, 19 F. (2d) 731.

(D. C. Mass.) The Winchell patent, No. 1,447,001, for metal shoe shank, claims 1, 2, and 3 *Held* invalid. *Sheppard* v. *Geo. J. Kelly, Inc.*, 19 F. (2d) 791.

Drawings.

RULE 88.

88. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals, (preferably the latter.)

RULE 52—ENGRAVE.

(f) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the close and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refers to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appear in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Decisions.

Decision leaflets of the OFFICIAL GAZETTE are sold as a separate publication—

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Condition of Applications Under Examination at Close of Business August 5, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 67,560; Trade-Mark Division, 1,775. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 16	Apr. 27	678
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Apr. 4	Apr. 5	909
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 1	Mar. 29	1,631
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 18	Feb. 9	1,695
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Mar. 1	Mar. 1	1,003
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Jan. 6	Jan. 19	1,605
106	7. JARBOE, C. C., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 10	Feb. 18	1,398
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 7	Mar. 5	1,861
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	May 2	May 2	809
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 14	Feb. 17	1,290
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars.	Mar. 31	Apr. 7	934
280	12. PIERCE, P. P., Machine Elements	Feb. 7	Feb. 11	1,272
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 21	Feb. 26	1,520
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembly and Blanks and Processes.	Feb. 16	Feb. 25	1,289
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 19	Feb. 21	1,591
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Apr. 5	Apr. 7	790
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 24	Mar. 18	753
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 3	Feb. 10	1,010
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Apr. 20	Apr. 22	964
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Apr. 20	Apr. 13	994
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Mar. 9	Mar. 5	1,027
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 4	Feb. 4	1,048
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 17	Feb. 12	900
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 22	Feb. 5	1,036
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosives, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Thrashing; Vegetable and Meat Cutters and Comminutors.	Mar. 9	Mar. 5	1,300
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Feb. 1	Feb. 1	1,006
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 4	Apr. 6	871
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 12	Mar. 18	1,210
160*	29. MORRIS, B. N., Abrading; Button Making; Cooperage, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 2	Feb. 5	1,220
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 7	Mar. 21	1,162
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 9	Feb. 9	1,832
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 15	Mar. 5	1,233
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 21	Apr. 20	1,492
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Feb. 2	Feb. 3	988
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 16	Apr. 16	1,155
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Apr. 30	Apr. 29	1,072
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 9	Feb. 10	1,510
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Mar. 29	Apr. 2	1,146
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 6	Mar. 8	836
269	40. OBERLIN, J. J., Barrage; Bottles and Jars; Package and Article Carriers; Receptacles	Feb. 7	Feb. 15	2,165
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 1	Feb. 4	802
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 8	Jan. 19	1,456
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 8	Mar. 11	1,163
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 29	Feb. 3	1,264
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Apr. 4	Apr. 5	942
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 10	Mar. 3	1,015
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 3	Mar. 18	1,538
213*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 10	Feb. 10	1,114
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 3	Feb. 21	1,103
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 7	Mar. 14	1,659
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 17	Jan. 17	1,820
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Mar. 30	Apr. 7	1,134
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Mar. 31	Apr. 3	1,312
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,957
102	55. RICHARD, V. I. (Acting)—Bread, Pastry, and Confection Making; Cutlery	Jan. 26	Feb. 21	663
	Designs	June 11	July 2	613
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND—Trade-Marks	July 6	July 22	1,662
	Labels and Prints	July 16	July 27	123

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Herrmann.

Decided August 9, 1926.

1. Patentability — Invention — Process of Patching Holes in Sheets of Leather.

Where it was established that at first leather manufacturers generally condemned applicant's process of patching holes in sheets of leather and that the commercial saving and advantage incident to this process are very marked, *Held* that the process was not obvious and involved invention.

2. Same—Claims Defining Article Merely by Process of Making—Unpatentable.

Claims to the article resulting from the process *Held* unpatentable, since a sheet of leather having a patch therein would obviously not be patentable, and otherwise these claims define the article merely by the process of making it.

[Note.—This application has resulted in Patent No. 1,610,519, December 14, 1926.]

Appeal from Examiners in Chief.

Mr. P. W. Pomeroy and *Messrs. Bacon & Thomas* for the applicant.

Kinnan, *First Assistant Commissioner.*

Applicant has appealed from the decision of the Examiners in Chief affirming that of the Primary Examiner denying patentability to claims 2 to 7, inclusive. The Examiner also denied patentability to claim 1, but the Examiners in Chief regarded such claim as allowable. Of the claims here to be reviewed claims 2 to 5 are for a process, while claims 6 and 7 are for the article. Claim 4 will serve for illustrative purposes and is as follows:

4. The process of patching holes in leather and like materials which consists in removing a portion of the material about the hole to form a tapered seat of a predetermined area and contour, in preparing a patch from a body of similar material having a complemental tapered edge and of substantially the same general area and contour as the seat formed in the material to be patched, and in finally applying and uniting the patch to the material and presenting an outer surface substantially flush with that of the patched material.

The references cited by the Primary Examiner are: "Art of Boot and Shoe Making," by J. B. Leno, page 118, third paragraph; "How to Repair Shoes," by Frank L. West, published by the Institute Press, Tuskegee Institute, Ala., 1912, pages 51 to 54, inclusive, chapter entitled "Putting on a cement patch;" "Home Book to Learn Expert Shoe Repairing," by J. M. Levinson, 725 West 54th Street, Los Angeles, Calif., pages 16 and 17, chapter entitled "How to prepare a patch on a sole," first paragraph.

The Examiners in Chief did not find the Leno or the Levinson publications pertinent, but did find the West publication anticipated the claims here under review.

The specification discloses that many sheets of leather are found to contain holes or cuts which prevent the use of such sheets in upholstering seats of various kinds, more especially automobile seats. Some of these holes exist in the hide when it is removed from the animal, and these the applicant refers to as grub holes, while other holes may be present as a result of subsequent operations upon the leather. In order to overcome these defects, it has been customary, heretofore, to either discard these sheets where a large surface is to be covered or cut from such sheets a strip including the hole and sew the cut edges together, and use the sheet thus sewed in such manner that the seam will fall in an obscure place.

The evidence submitted in support of the appeal fairly establishes the existence of the foregoing conditions. Confronted by them, the applicant devised his process of filling in the holes by cutting away a portion of the leather surrounding the holes so as to form a seat having a long tapering surface and preparing a patch of similar leather and of complemental form to the seat formed in the sheet of leather and cementing the patch in place in such a way as to preserve the uniformity of thickness of the sheet and prevent the patch being observable when it is in place. Applicant states that with this process there is no evidence visible on the right side of the patch of the leather having been patched, and that the patched portion is just as flexible as other portions.

[1] There is evidence submitted which fairly establishes that when the idea of patching the leather in the manner specified in this application was suggested to leather manufacturers it was at once and positively condemned. There is evidence also that by using applicant's process the great waste incident to the previous practice of discarding many sheets of leather entirely or cutting out the defective portions and sewing the good portions together has been eliminated. It is established that almost all sheets of leather which are otherwise suitable for upholstery work in connection with automobile seats can be used by the application of this patching process and the leather can be bought according to specifications, as is customary in purchasing other materials, the number of permissible patches in a given area being specified in the purchasing order. It seems the commercial saving and advantage incident to applicant's process are very marked. Under these conditions it would seem what applicant has done was not obvious and required some exercise of inventive skill.

The claims have been rejected in view of the description of a method of patching shoes in which it is stated both the patch and the leather are skived and the patch cemented in place. It is to be noted there is no definite statement that the skiving is done so as to form the relatively extensive tapering seat from the hole outwardly. Furthermore, the lower end of the patch on the shoe is to be sewed to the sole although, as noted by the Examiners in Chief, it is probable that if the patch were located farther away from the sole it would not be thus sewed to the latter. It has been common practice among cobblers for many years, as is well understood, to cement on shoes the so-

called "blind" patches, and it has also been common to skive the ends of leather strips where two pieces are to be sewed together, so that the strip or strap will be of the same thickness where the joint is made. Trunk straps and parts of harness furnish illustrations of this practice. It is not believed, however, in view of the facts presented here that these former practices suggest applicant's process.

[2] The article claims are not deemed to be patentable. A sheet of leather having a patch therein would obviously not be patentable, and otherwise these claims define the article merely by the process of making it.

The Examiners in Chief allowed claim 1 because it included the step of forming holes of a predetermined area and contour in the leather. From this decision it is apparent that they interpreted this language as meaning that holes were cut through the leather which were subsequently filled in by a portion of the patch, the remaining portions of which rested on the tapered seat.

It is not believed applicant should be limited to so specific a definition of his process. It would seem to be immaterial whether the hole already in the leather is filled in or whether it is made larger and then filled in. The appealed process claims are not deemed to clearly bring out the difference between what applicant has done and the patching of the shoes described in the article of record.

The following claim is deemed to be allowable, and if presented by amendment within 40 days from the date of this decision the Examiner is authorized to enter and allow such claim in the absence of better references:

The process of filling in holes in a sheet of leather, consisting in removing a portion of the leather surrounding the hole in such a manner as to form a seat tapering outwardly from the outline of the hole on one side of the sheet and of large area as compared with the area of the hole, preparing from similiar leather a patch of the same area and contour as the seat formed in the leather and having its under surface complemental thereto and cementing the patch to the seat, whereby the outer surface of the patch is flush with the surface of the surrounding portion of the sheet of leather, and the patched portion is of the same thickness as the surrounding unpatched portion.

The decision of the Examiners in Chief on the appealed claims is affirmed.

Court of Appeals of the District of Columbia.

IN RE BALLMAN AND EVERS.

No. 1,909. Decided March 7, 1927.

REISSUES.—CLAIMS NOT PATENTABLE.

Where the grounds of rejection were, first, a requirement for cancellation of one of two sets of claims, each set being specific to a different form of invention; second, that certain claims were unpatentable over the patent to W., and, third, that certain of the claims failed to sufficiently define patentable structure, *Held* that all three grounds of rejection were well founded.

[For Commissioner's decision see 361 O. G. 3.]

APPEAL from the Commissioner of Patents. Affirmed.

Mr. J. T. Bassoches, Mr. Paul Carpenter, Mr. B. J. McCann, and *Mr. J. H. McCann* for Ballman et al.

Mr. T. A. Hostetler for Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

MARTIN, *C. J.:*

This appeal grows out of an application filed by the appellants for the reissue of their Patent No. 1,275,120, granted August 6, 1918. The application was filed within two years after the patent was granted, and there is no question of delay in the case. The application as amended contains 45 claims, of which the first 29 are taken from the original patent. Claims 30 and 31, and 36 to 45 inclusive have been rejected by concurring decisions in the Patent Office; hence this appeal.

The invention relates to projecting apparatus having improved redecting means. It provides by various arrangements for light source, with one or more reflectors arranged to concentrate light upon an image-carrying plate or film in order to project an image of the object upon a suitable projection screen. Several modifications are disclosed, among them Fig. 9 discloses a compound arrangement of an ellipsoidal reflector and a plurality of sectional spherical reflectors; whereas Fig. 13 discloses an electric light bulb which is silvered to form a reflecting surface, while a circular portion is left clear, the light being located at a specific focus with direct and reflected rays passing through the clear portion, through the slide and the projecting lens.

Claims 30 and 36 are copied for illustration.

30. A projecting apparatus comprising a source of light, an object, a reflector arranged to receive part of the rays emitted by said source, and means for reflecting another part of the rays emitted by said source upon said reflector, said redector being constructed and arranged to concentrate on said object the rays received by it, and means for projecting an image of said object on a screen.

36. A projecting apparatus comprising an electric light bulb having part of its surface formed as a reflector and constructed and arranged to receive and concentrate the rays emanating from the filament on an object.

Three grounds of rejection of the appealed claims were sustained by each of the tribunals of the Patent Office. The first was that the applicants were claiming two separate specific forms of invention by claims 30 and 31 as compared with claims 36 to 45, the former claims being illustrated in Fig. 9, the latter in Fig. 13. Hence it was required that applicants cancel either claims 30 and 31 or 36 to 45 inclusive, which was not done. The second ground of rejection was that claims 36, 37, 41 and 42 should be rejected on the patent to Welsh, No. 290,855, June 3, 1884. The third ground was that claims 36, 37, 41 and 42 should be rejected as failing sufficiently to define patentable structure, being functional only.

The record discloses that these grounds for rejection were carefully considered by each of the lower tribunals, and are fully set out in their respective opinions. We are convinced that their conclusions were correct, and we think it unnecessary to repeat the reasons set out in their opinions in support thereof. We content ourselves therefore with approving and affirming the decision of the Commissioner of Patents herein appealed from.

Affirmed.

Court of Appeals of the District of Columbia.

DEVINE *v.* PFAU.

No. 1,925. Decided March 7, 1927.

APPEAL from the Patent Office. Affirmed.

Mr. Jos. L. Norris, Mr. C. A. Bateman, and *Mr. William Abbe* for Devine.

Mr. G. F. De Wein for Pfau.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from concurrent decisions of the tribunals of the Patent Office in an interference proceeding in which priority was awarded Pfau, who was first to conceive and first to reduce to practice.

For the reasons fully stated by the Patent Office, we affirm the decision.

Affirmed.

Patent Suits.

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922.)

932,965, C. W. Conner, Bifocal lens and method of making, D. C., S. D. Calif. (Los Angeles), Doc. I–90–B, *One Piece Bifocal Lens Co.* v. *J. D. Rotchin.* Dismissed without prejudice Oct. 11, 1926.

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961,290, L. L. Lebby, Reflector and searchlight, filed May 13, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–123–M, *S. & M. Lamp Co.* v. *W. F. Morrison (Centerlite Mfg. Co.) et al.*

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1,439,063, Bugbee & Gordon, Lens-grinding machine, D. C., W. D. N. Y., Doc. 469–C, *American Optical Co. et al.* v. *Standard Optical Co.* Stipulation and order of dismissal June 25, 1927.

1,439,406, H. E. Elrod, Sewage-disposal plant and system, filed Apr. 18, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–100–J, *H. E. Elrod* v. *City of Pomona.*

1,454,565, A. C. Sanford, Combined desk and seat, appeal filed June 9, 1927, 7th Cir., Doc. 3925, *A. C. Sanford* v. *American Seating Co.*

1,483,381, J. S. Reynolds, Single and double tandem disk harrow, D. C., S. D. Calif. (Los Angeles), Doc. I–96–B, *J. S. Reynolds* v. *H. F. Towner.* Dismissed without prejudice Oct. 25, 1926.

1,492,571, W. L. Marden, Meter, filed May 25, 1927, D. C., E. D. N. Y., Doc. 3137, *Neptune Meter Co.* v. *Phoenix Meter Co.*

1,513,637, M. Schwartz, Bushing, D. C., N. D. Ohio (W. Div.), Doc. E 525, *American Flange & Mfg. Co. et al.* v. *American Steel Package Co.* Dismissed without prejudice (notice dated June 24, 1927).

1,514,210, W. A. Heinrich, Switch box and switch cartridge, filed June 11, 1927, D. C., E. D. Wis. (Milwaukee), Doc. 2038, *W. N. Matthews Corp.* v. *Line Material Co.*

1,524,719, E. E. McGrew, Folding camp bed, filed Jan. 16, 1925, D. C. Nebr. (Lincoln), Doc. E 218, *McGrew Machine Co.* v. *Douglas Mfg. Co.*

1,547,003, M. Schwartz, Bushing structure, D. C., N. D. Ohio (W. Div.), Doc. 585, *American Flange & Mfg. Co. et al.* v. *American Steel Package Co.* Dismissed without prejudice (notice dated June 24, 1927).

1,550,794, R. D. Fay, Magneto-telephone, filed July 1, 1927, D. C., S. D. N. Y., Doc. E 42/177, *V. Himmer* v. *S. Shearn.*

1,553,993, W. R. Delaney, Millinery box, appeal filed June 20, 1927, 2d Cir., Doc. 9683, *G. H. Brick et al.* v. *A. I. Namm & Son, Inc.*

1,572,157, M. Morrell, Yarn winding, 2d Cir., Doc. 9611, *L. Malina et al.* v. *R. Grisman et al.* Decree affirmed (notice dated June 16, 1927).

1,573,116, T. Kobayashi, Thermatologic electrode, filed Apr. 8, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–93–M, *T. Kobayashi* v. *T. Enari (Enari Electric Experimental & Sales Co.).*

1,584,410, Vendome & Marcoux, Pocket vaporiser or spray apparatus, filed June 27, 1927, D. C., S. D. N. Y., Doc. E 42/127, *Marcel Franck, Inc.*, v. *A. J. & K. Co., Inc.*

1,586,367, F. E. Johnson, Electric-lamp socket, filed Apr. 8, 1927, D. C., E. D. N. Y., Doc. 3034, *J. I. Paulding, Inc.*, v. *E. Loviton et al.*

1,595,863, L. L. Driggs, Jr., Indicating device for radio receiving apparatus, filed Apr. 26, 1927, D. C., E. D. N. Y., Doc. 3090, *A. Dorsey* v. *Pilot Electric Co.*

1,598,819, J. B. Hill, Apparatus for removing ink from printing-press inking rolls, D. C., N. D. Ohio (E. Div.), Doc. 2054, *Clean-A-Press Machine Co.* v. *C. Howard Co.* Dismissed without prejudice June 8, 1927.

Re. 13,436, F. G. Perkins, Glue and method of making same, filed May 23, 1927, D. C., W. D. Ky. (Louisville), Doc. E 484, *Perkins Glue Co.* v. *Adler Mfg. Co. et al.*

Re. 15,535, L. Del Turco, Terrazzo flooring and method of laying same, filed May 27, 1927, D. C., E. D. N. Y., Doc. 3139, *L. Del Turco* v. *Trattel Marble Co.*

Re. 15,641, J. H. Emery, Artificial fruit and method of making, filed June 29, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2348, *J. H. Emery* v. *S. H. Kress & Co.* Doc. 2349, *J. H. Emery* v. *F. W. Woolworth Co.* Doc. 2350, *J. H. Emery* v. *S. S. Kresge Co.* Doc. 2351, *J. H. Emery* v. *McCrory Stores Co.*

Re. 15,815, I. K. Trau, Cap, filed Jan. 23, 1926, D. C., W. D. Ky. (Louisville), Doc. E 411, No citation. Decree holding patent valid June 18, 1927.

Des. 62,630, P. I. Anson'ge, Lighting-fixture part, 2d Cir., Doc. 9484, *Empire Lighting Fixture Co., Inc.*, v. *Practical Lighting Fixture Co., Inc.* Decree affirmed (notice dated June 16, 1926).

Des. 63,898, W. D. Haviland, Bowl, filed July 1, 1927, D. C., S. D. N. Y., Doc. E 42/174, *T. Haviland & Co., Inc.*, v. *E. W. Hammond.*

Des. 65,066, M. Klein, Dining-room lighting fixture, filed June 20, 1927, D. C., S. D. N. Y., Doc. E 42/168, *Shapiro & Aronson, Inc.*, v. *Jonich Sirken Co., Inc.*

Des. 68,828, P. L. Pendleton, Panel for radiodials, filed May 4, 1927, D. C., E. D. N. Y., Doc. 3105, *Martin-Copeland* v. *S. S. Kresge Co.*

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 16, 1927.

[VOL. 361. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.

Ser. No. 244,779. LICHTENBERGER-FERGUSON COMPANY, Los Angeles, Calif. Filed Feb. 23, 1927.



The word "Oak" is disclaimed.
Particular description of goods.—Sole Leather.
Claims use since Feb. 1, 1926.

Ser. No. 247,167. CHAMBERS SEED COMPANY, Louisville, Ky. Filed Apr. 9, 1927.



No claim is made to the wording shown on the drawing, except the word "Daybreak," apart from the mark illustrated in the accompanying drawing.
Particular description of goods.—Field Seed.
Claims use since Mar. 15, 1920.

Ser. No. 248,542. ZORN PRODUCTS CO., Michigan City, Ind. Filed May 5, 1927.



The words "Zorn Fresh Packed Hops" do not form a part of the registration sought except as associated with the mark.
Particular description of goods.—Hops.
Claims use since Apr. 1, 1927.

Ser. No. 248,681. M. GOLDFARB, New York, N. Y. Filed May 9, 1927.

My Florist

Particular description of goods.—Fresh Cut Flowers and Plants.
Claims use since September, 1925.

Ser. No. 248,938. E. L. SMITH & Co., Barre, Vt. Filed May 12, 1927.



Exclusive use of the words "Smith," "Barre," and "Granite" is claimed only when associated with the mark as shown in the drawing.
Particular description of goods.—Blocks of Granite Not Prepared for Building Purposes.
Claims use since Apr. 11, 1927.

Ser. No. 250,432. W. H. BOLTON BRISTLE COMPANY, Wilmington, Del. Filed June 13, 1927.



Applicant disclaims the exclusive use of the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Bristles.
Claims use since January, 1926.

Ser. No. 250,483. WHITE BROTHERS, Scotts, Mich. Filed June 13, 1927.



The word "Coal" is disclaimed.
Particular description of goods.—Coal and Coke.
Claims use since September, 1923.

Ser. No. 250,517. NATIONAL SANITARY RAG CO., San Francisco, Calif. Filed June 14, 1927.



EAGLE BRAND

No claim is made for the word "Brand" apart from the mark shown in the drawings.
Particular description of goods.—Rags and Old Newspapers.
Claims use since Feb. 1, 1926.

Ser. No. 250,928. THE MASTELLER COAL COMPANY, Keyser, W. Va. Filed June 22, 1927.

Reham

Particular description of goods.—Coal.
Claims use since Mar. 18, 1911.

CLASS 2. RECEPTACLES.

Ser. No. 250,306. CHAS. W. HALL & CO., INC., Valparaiso, Ind. Filed June 10, 1927.

"SPIRIT OF ST. LOUIS"

Particular description of goods.—Containers Made of Wood, Thin Sheet Metal, and Heavy Cardboard and Simulating an Aeroplane for the Reception of Various Kinds of Merchandise.
Claims use since May 31, 1927.

Ser. No. 250,713. ROYAL RIVER MANUFACTURING & POWER COMPANY, Boston, Mass. Filed June 17, 1927.

ROYAL RIVER

Particular description of goods.—Seamless Cotton Bags.
Claims use since 1878.

Ser. No. 250,714. ROYAL RIVER MANUFACTURING & POWER COMPANY, Boston, Mass. Filed June 17, 1927.



Particular description of goods.—Seamless Cotton Bags.
Claims use since Mar. 12, 1927.

CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.

Ser. No. 251,219. HARVEY BOWMAN, North Philadelphia, Pa. Filed June 28, 1927.

ALWEAR

Particular description of goods.—Leather Preservative.
Claims use since about June 6, 1927.

CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.

Ser. No. 233,647. HIRAM L. KEZAR, Durand, Wis., assignor to Fred A. Brown and Henry William Randall, both of Durand, Wis. Filed June 23, 1926.

KEZAR'S MAGIC SALVE

Applicant disclaims the right to the exclusive use of the words "Salve" and "Kezar's" apart from the mark shown.
Particular description of goods.—Healing Salve, and Particularly Adapted for the Treatment of Boils, Abscesses, Felons, Corns, Old Sores, Piles, Cuts, Bruises, Itch, Cold on Lungs, Burns, Rusty-Nail Wounds, Blood Poison, Poison Ivy, Erysipelas, and Eczema.
Claims use since Jan. 1, 1899.

Ser. No. 234,216. KATHERINE A. MACDONALD, Hollywood, Calif. Filed July 6, 1926.



The figure shown in association with the word "Kameo" shown in the mark is a reproduction of a likeness of applicant.
Particular description of goods.—Cold Creams, Face Powder, Hair Tonic, Hand Lotions, and Liquid Mascara.
Claims use since Apr. 7, 1926.

Ser. No. 234,800. ALBERT PREZELLA, doing business as Marvel Laboratories Company, New York, N. Y. Filed July 20, 1926.

Marvel
AKE-STOP

The words "Ake-Stop" are not claimed herein apart from the mark as shown.
Particular description of goods.—Medicated Chewing Gum for the Relief of Headaches, Neuralgia, and Colds.
Claims use since about Mar. 1, 1926.

Ser. No. 235,855. IRVING SELKOW, doing business as Washington Barber Supply Co., New York, N. Y. Filed Aug. 11, 1926.

LUSTEROL

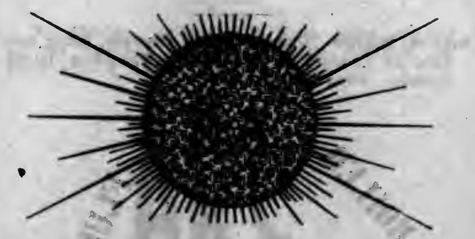
Particular description of goods.—Lip Rouge, Face Rouge, Face Powder, Talcum Powder, Toilet Water, Perfume, Cold Cream, Vanishing Cream, Skin Sachet, Brilliantine, Hair Pomades, Hair Tonic, Dandruff Remover, Shampoo Oil, Nail Polish, and Deodorising Preparations.
Claims use since Jan. 15, 1923.

Ser. No. 236,447. SUNLAND LABORATORIES, INC., Los Angeles, Calif. Filed Aug. 25, 1926.

SUNLAND

Particular description of goods.—Healing and Antiseptic Salves, Healing and Antiseptic Ointment, Face Powder, Toilet Powder, Talcum Powder, Healing and Antiseptic Lotion, Healing and Antiseptic Skin Cream, Healing Powder to be Used in the Form of a Poultice, Sunburn Lotion, Bath Salts, Beautifying Cream, Toilet Water, Lip Stick, Rouge, Facial Pack, Beautifying Mud, Cuticle Remover Comprising a Mild Acid Solution for Manicure Use, Nail Polish, Hair Wash, Hair Rinse, Hair Liquid Shampoo, and Foot Powder.
Claims use since May 1, 1925.

Ser. No. 236,449. SUNLAND LABORATORIES, INC., Los Angeles, Calif. Filed Aug. 25, 1926.



The shading on the drawing indicates the color yellow.
Particular description of goods.—Healing and Antiseptic Salves, Healing and Antiseptic Ointment, Face Powder, Toilet Powder, Talcum Powder, Healing and Antiseptic Lotion, Healing and Antiseptic Skin Cream, Healing Powder to be Used in the Form of a Poultice, Sunburn Lotion, Bath Salts, Beautifying Cream, Toilet Water, Lip Stick, Rouge, Facial Pack, Beautifying Mud, Liquid Cuticle Remover Comprising a Mild Acid Solution for Manicure Use, Nail Polish, Scalp Invigorator, Hair Tonic, Shampoo, Lotion for Use After Shaving, Poultice for Treatment of Boils, Suppurating Sores; a Treatment for Skin Affections Such as Eczema, Sunburn, Chafing, Itch, Tetter, Ringworm, Burns, Scalds, Poison Oak, Poison Ivy, Insect Stings, Pimples, Hives; a Remedy for Skin Diseases of Animals, Hair Wash, Hair Rinse, Hair Tonic, Liquid Shampoo, and Soothing Foot Powder.
Claims use since May 1, 1925.

Ser. No. 236,584. ARDEN CHEMICAL COMPANY, New York, N. Y. Filed Aug. 28, 1926.



No claim is made to the exclusive use of the word "Venetian" apart from the mark shown in the drawing. The drawing is lined to indicate the colors pink for the background and yellow or gold for the words "Venetian, Dandro," and the frame.
Particular description of goods.—Hair Tonic.
Claims use since January, 1916.

Ser. No. 238,541. THE ARMAND COMPANY, Des Moines, Iowa. Filed Oct. 13, 1926.

HANDOLA

Particular description of goods.—Hand and Face Lotions and Creams.
Claims use since Apr. 19, 1926.

Ser. No. 239,360. GILBERT EDWIN GODDARD, doing business as Goddard & Co., Sidney, Vancouver Island, Canada. Filed Oct. 28, 1926.

AK

BOILER FLUID

No claim is made to the words "Boiler Fluid" apart from the mark shown in the drawing.
Particular description of goods.—Chemical Compound for the Cleaning and Preserving of Steam and Other Boilers and the Prevention of Rust and Scaling Therein.
Claims use since November, 1922.

Ser. No. 240,618. MORIN'S LABORATORIES, INC., Newton, Mass. Filed Nov. 26, 1926.

LIX

Particular description of goods.—Nonolly Chemical Preparations for Decarbonizing and Lubricating Combustion Chambers of Internal-Combustion Engines.
Claims use since Apr. 1, 1924.

Ser. No. 243,633. WEAVER-JACKSON COMPANY, Los Angeles, Calif. Filed Jan. 31, 1927.

Shadow Wave

The word "Wave" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Women's and Men's Hair Dressing—Namely, Shampoo.
Claims use since about 1916.

Ser. No. 245,853. MIDWEST SPECIALTY CO., Huron, S. Dak. Filed Mar. 16, 1927.

Solderit

Particular description of goods.—Nonmetallic Composition of Matter for Stopping Leaks in Automobile Radiators.
Claims use since Jan. 2, 1927.

Ser. No. 246,056. FRED A. SMALL & ROBERT H. HORAK, doing business as The Dolorcide Laboratories, Cedar Rapids, Iowa. Filed Mar. 19, 1927.

DOLORCIDE

Particular description of goods.—A Compressed Anti-Pain Tablet.
Claims use since Sept. 1, 1925.

Ser. No. 247,144. HENRY WILLIAM RUTSHAW, Chicago, Ill. Filed Apr. 8, 1927.

RUTSHAW'S SALVE

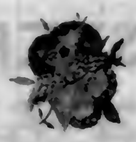
Applicant disclaims any exclusive right to the word "Salve" apart from the mark shown on the drawing.
Particular description of goods.—Healing and Palliative Salves for External Application Only.
Claims use since June 1, 1920.

Ser. No. 248,423. ODOR-NOX CHEMICAL COMPANY, Los Angeles, Calif. Filed May 4, 1927.

Odor-Nox

Particular description of goods.—Deodorants, Disinfectants, Antiseptics, and Germicides.
Claims use since June 12, 1923.

Ser. No. 248,580. LUXOR, LIMITED, Chicago, Ill. Filed May 6, 1927.





The drawing is lined for red, purple, and gold or yellow.
Particular description of goods.—Cold and Cleansing Cream, Tissue Cream, Vanishing Cream, Astringent Cream, Lip Stick, Face Powder, Dusting Powder, Rouge, Complexion Powder, Toilet Water, Perfume, Eyebrow Pencil, Talcum, and Powder and Rouge Compacts.
Claims use since on or about Sept. 10, 1926.

Ser. No. 249,308. M. WAHL & SON, New York, N. Y. Filed May 20, 1927.

MWS

DAWN

Particular description of goods.—Toilet Preparations—Namely, Milk Pack, Lemon Pack, Mud Pack, Massage Cream, Cold Cream, Lemon Cream, Cuticle Cream, Hair Tonic, Shampoo, Liquid Marcel Wax, Face Powder, Rouge, Lipstick, Muscle Oil, and Brilliantine.
Claims use since Mar. 1, 1927.

Ser. No. 249,448. A. FRANKLIN TURNER, doing business as Family Medicine Co., Arthur, Ill. Filed May 23, 1927.

THOR-O-LAX

Particular description of goods.—A Liquid Medicinal Preparation for the Treatment of Disorders of Stomach, Liver, Kidneys, and Bowels, Constipation, Languor, Fatigue, Jaundice, Auto-Intoxication, Loss of Appetite, Lack of Ambition, and General Physical Depression.
Claims use since Mar. 22, 1927.

Ser. No. 249,639. CHAPPEL BROS., INC., Rockford, Ill. Filed May 27, 1927.

KEN-L-SOPE

The word "Sope" is disclaimed except in the association shown.
Particular description of goods.—Liquid Shampoo and Exterminator of Fleas and Other Vermin.
Claims use since May 12, 1927.

Ser. No. 249,805. PREFERRED PRODUCTS, INC., Los Angeles, Calif. Filed May 31, 1927.

Morex

Particular description of goods.—Glandula and Vegetable Compound Tonic.
Claims use since March, 1927.

Ser. No. 250,020. CLARENCE E. FORT, doing business as The American Remedies Company, Rockford, Ill. Filed June 4, 1927.

ARC

Particular description of goods.—Epilepsy, Dyspepsia, and Laxative Medicines.
Claims use since May 18, 1927.

Ser. No. 250,088. VINNIE A. MURPHY, Salinas, Calif. Filed June 6, 1927.

NOXAGE

Particular description of goods.—Medicated Sherry and Port for Use as a General Tonic.
Claims use since May 24, 1927.

Ser. No. 250,230. ELI A. COON, doing business as Chippewa Indian Medicine Co., Bay City, Mich. Filed June 9, 1927.



The
Chippewa Indian
Medicine

The words, "The Indian Medicine" are disclaimed.
Particular description of goods.—Herb Medicine for the Treatment of Kidney and Bladder Trouble, Sugar Diabetes, High Blood Pressure, Liver Trouble, Stomach Trouble, Constipation, Nervous Trouble, Lung Trouble, Rheumatism, Heart Trouble and Short Breath, Asthma, Eczema, and Similar Skin Diseases.
Claims use since July 29, 1925.

Ser. No. 250,280. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed June 9, 1927.

DENTISEPTIC

Particular description of goods.—Antiseptic Mouth Washes and Gargles, Tooth Pastes, Deodorants, and Antiseptic Solutions.
Claims use since March 2, 1923.

Ser. No. 250,287. AMENDOLA BROTHERS, INC., New Haven, Conn. Filed June 10, 1927.

AB

Particular description of goods.—Hair Tonics and Dandruff Remedies.
Claims use since on or about May 15, 1927

Ser. No. 250,328. SOUTHERN PINE REMEDIES, INCORPORATED, Brooklyn, N. Y. Filed June 10, 1927.

PINOSAV

The drawing is lined to indicate the color red.
Particular description of goods.—Medicinal Ointment for the Relief of Inflammation and Congestion, Such as Asthma, Bronchitis, Catarrh, Chest Colds, Croup, Head Colds, Pneumonia, Sore Throat, Whooping Cough, Boils, Burns, Bruises, Headache, Itching, Neuralgia, Piles (Itching), Rheumatic Pains, and Hay Fever.
Claims use since Dec. 7, 1926.

Ser. No. 250,366. BOURJOIS, INC., New York, N. Y. Filed June 11, 1927.

Peach Blow

Particular description of goods.—Toilet Preparations—Viz, Perfume, Toilet Water, Face Powder, Sachet, Hand Cream, and Cold Cream.
Claims use since Mar. 20, 1886.

Ser. No. 250,444. FRANCIS J. CULLEN, doing business as Cullen Salve Company, Jersey City, N. J. Filed June 18, 1927.

C. S. C.

Particular description of goods.—Medicinal Preparation in the Form of a Salve for the Treatment of Boils and Blood Poisoning.
Claims use since June 1, 1927.

Ser. No. 250,746. CHARLES W. GREEN, doing business as The Bilo Co., New York, N. Y. Filed June 18, 1927.

BILO

Particular description of goods.—Medicinal Preparation for the Treatment of Conditions of the Gall Bladder and Biliary Tract.
Claims use since June 4, 1927.

Ser. No. 250,811. THE MARVON CORPORATION, Poughkeepsie, N. Y. Filed June 20, 1927.

PROX

Particular description of goods.—Salve for the Treatment of Piles, Hemorrhoids, and Rectal Disorders.
Claims use since May 1, 1927.

Ser. No. 250,888. WILLIAM CREVEY, doing business as Red Monk Medicinal Wine Co., Los Angeles, Calif. Filed June 21, 1927.

RED MONK

Particular description of goods.—A Wine Bitters Tonic.
Claims use since Feb. 14, 1927.

Ser. No. 250,913. ALBERT E. ELY, doing business as Quix Chemical Company, Glasgow, Ky. Filed June 22, 1927.

"DOWN-IN-THE BACK"



Particular description of goods.—Medicine for Treating Kidney Diseases in Hogs.
Claims use since May 15, 1927.

Ser. No. 250,969. THE BORADIS COMPANY, Ephrata, Wash. Filed June 22, 1927.

BORADIS

Particular description of goods.—Liniment for Rheumatism, Rheumatic Pains, Neuralgia, Stiff Neck, Sprains, Bumps, and Bruises When Used Externally and for Cramps and Colic When Used Internally.
Claims use since May 20, 1927.

Ser. No. 250,995. HOUBIGANT, INC., New York, N. Y. Filed June 23, 1927.

ROYAL FERN

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Dusting Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Hair and Skin, and Bath Salts, Bandoline, Cold Cream, Lip Stick, Vegetal, and Compacts.
Claims use since June 17, 1927.

Ser. No. 251,013. THE J. A. POZZONI PHARMACAL COMPANY, New York, N. Y. Filed June 23, 1927. Under 10-year proviso.

J. A. POZZONI'S COMPLEXION POWDER



Particular description of goods.—Complexion Powder.
Claims use since May 9, 1874.

Ser. No. 251,087. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed June 24, 1927.

HOUGHTO-OLIVE

No claim is made to the word "Olive" apart from the mark as shown.
Particular description of goods.—Oils for Lubricating Woolen and Worsted Yarns.
Claims use since June 10, 1927.

Ser. No. 251,138. HOLLANDER BROS. DRUG CO., Rankin, Pa. Filed June 25, 1927.

Odo-free

Particular description of goods.—A Body Deodorant.
Claims use since June 1, 1927.

Ser. No. 251,146. MCCORMICK & CO., INCORPORATED, Baltimore, Md. Filed June 25, 1927.

INSEKTOSPRAY

Particular description of goods.—Insecticides.
Claims use since June 6, 1927.

Ser. No. 251,222. DENVER PHARMACEUTICAL MFG. CO., Inc., Long Island City, N. Y. Filed June 28, 1927.



Dr. Dickes'

SHAMPOO

No claim is made to the word "Shampoo" and the name "Dr. Dickes" apart from the mark shown.
Particular description of goods.—Shampooing Preparations—Namely, Henna Shampooing, Cocoanut-Oil Shampoo, Cocoanut-Tar Shampoo, and Olive-Oil Shampoo.
Claims use since about 1917.

Ser. No. 251,241. SALVATORE PUPELLA, doing business as Alpha Laboratory, New York, N. Y. Filed June 28, 1927.

CARBITOL

Particular description of goods.—Powder for Alleviating Pain of Burns, Sores, and Wounds.
Claims use since June 1, 1927.

Ser. No. 251,788. NEW HAVEN LABORATORIES, INC., New Haven and Milford, Conn. Filed July 9, 1927.

COLOL

Particular description of goods.—Medical Compound for the Relief of Piles.
Claims use since 1914.

Ser. No. 251,799. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed July 9, 1927.

Calamoin

Particular description of goods.—Ointment for the Treatment of Skin Diseases.
Claims use since May 27, 1927.

Ser. No. 251,800. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed July 9, 1927.

Digitora

Particular description of goods.—Tablets for the Treatment of Heart Diseases.
Claims use since Apr. 1, 1919.

CLASS 7. CORDAGE.

Ser. No. 251,749. GRAYBAR ELECTRIC COMPANY, INC., New York, N. Y. Filed July 9, 1927.

GraybaR

Particular description of goods.—Twisted-Wire Cable.
Claims use since January, 1926.

CLASS 11. INKS AND INKING MATERIALS.

Ser. No. 240,703. WILLIAM J. CROWLEY, doing business as W. J. Crowley Co., Milwaukee, Wis. Filed Nov. 29, 1926.

Crow



LINE

The word "Line" is disclaimed apart from the mark as shown.
Particular description of goods.—Carbon Paper and Typewriter Ribbons.
Claims use since July 25, 1925.

CLASS 12. CONSTRUCTION MATERIALS.

Ser. No. 214,166. KEYSTONE REFRACTORIES COMPANY, Jersey City, N. J. Filed May 11, 1925.

Steel-Veneer

The word "Veneer" is disclaimed.
Particular description of goods.—A Protective Wash Over Refractory Surfaces.
Claims use since June 8, 1923.

Ser. No. 215,801. LOGAN COMPANY, Louisville, Ky. Filed June 15, 1925.

DOW

Particular description of goods.—Ornamental Wire and Iron Work—Namely, Window Guards, Wickets, Screens, Grilles, Doors, Gates, Railings, Balconies, Stairways, Elevator Inclosures, Gratings, Parts of Fences, Trellises, Merchandise Chutes, and Guides, and Metal Canopies.
Claims use since about 1913.

Ser. No. 227,279. THE RUBBER CITY MFG. CO., Akron, Ohio. Filed Feb. 13, 1926.

FLEXO

Particular description of goods.—Plastic Composition Used as Floor Covering.
Claims use since May 1, 1924.

Ser. No. 240,480. BLISS STEEL PRODUCTS CORPORATION, East Syracuse, N. Y. Filed Nov. 23, 1926.

Manifold

Particular description of goods.—Windows, Sashes, and Window Frames.
Claims use since Nov. 1, 1926.

Ser. No. 242,949. DE BATAAFSCHE PETROLEUM MAATSCHAPPIJ, The Hague, Netherlands. Filed Jan. 17, 1927.

BIMUTINE

Particular description of goods.—Asphalt and Bituminous Compounds for Roofing, Road Making, and Wall Coatings.
Claims use since Jan. 9, 1926.

Ser. No. 245,424. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed Mar. 9, 1927.

ALUMAFRAX

Particular description of goods.—Furnace Linings, Fire Bricks, and Blocks.
Claims use since Jan. 19, 1927.

Ser. No. 247,759. STANDARD FUEL ENGINEERING COMPANY, Detroit, Mich. Filed Apr. 20, 1927.

STANDARD STEEL

Exclusive right to the use of the word "Standard" apart from the mark as shown is hereby disclaimed.
Particular description of goods.—Fire Brick.
Claims use since Mar. 2, 1927.

Ser. No. 248,625. THE EDWARDS MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1927.

QUI'RRICH

Particular description of goods.—Metal Lath.
Claims use since Nov. 15, 1912.

Ser. No. 249,835. WM. CAMERON & CO. INC., Waco, Tex. Filed June 1, 1927.

BUILT-IN IDEAL FURNITURE

Applicant disclaims the right to the exclusive use of the wording "Built-In," "Furniture" apart from the mark shown in the drawing.
Particular description of goods.—Ready-Cut, Machined, and Partly-Assembled Materials Intended for Use in the Final Construction and Completion of Household and Kitchen Furniture, Fixtures, and Conveniences—Namely, Built-In Sideboards, Buffets, Cabinets, Closets, Chests, Cases, Drawer Sections, Flour Bins, Dressers, Wardrobes, Tables, Desks, Seats, Benches, Shelves, Mantels, Racks, Mirrors, Sink Drain Boards, Screens, Pullman Breakfast Sets, and Other Articles of Similar Nature, Ironing Boards, Ironing-Board Cabinets, Clothes Driers, and Clothes Racks.
Claims use since Oct. 1, 1920.

Ser. No. 250,292. EDWARD N. BIRGLER, Chicago, Ill. Filed June 10, 1927.

RUBBER-TEX-TILE FLOORING

The words "Tile Flooring" are disclaimed apart from any other features of the mark shown in the drawing.
Particular description of goods.—Plastic Mastic Flooring.
Claims use since Jan. 1, 1924.

CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.

Ser. No. 233,664. UNION HARDWARE COMPANY, Torrington, Conn. Filed June 23, 1926.

UNION HARDWARE COMPANY

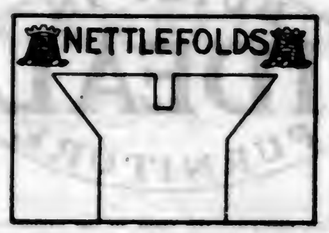
No claim is made to the registration of the name of the applicant except in the particular manner shown by the drawing.
Particular description of goods.—Tapered and Tempered Steel Tubing for Golf-Club Shafts, Fishing Poles, Flag Staffs, Canes, Fish-Net Handles, Polo Mallets, Billiard Cues, and Like Purposes.
Claims use since Apr. 1, 1926.

Ser. No. 237,266. WILLIAM G. CURRAN, Astoria, N. Y. Filed Sept. 15, 1926.

WINLOK

Particular description of goods.—Clamps, Catches, or Holders for Swinging or Sliding Closures.
Claims use since May 15, 1926.

Ser. No. 248,769. GURST, KEEN & NETTLEFOLDS LIMITED, London Works, Smethwick, England. Filed May 10, 1927.

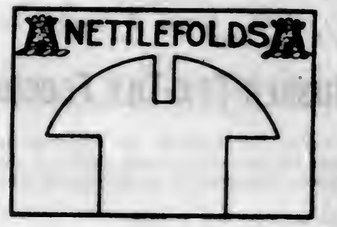


No claim is made for the outline of a screw head apart from the mark shown in the drawing.

Particular description of goods.—Screws of Ordinary Metal.

Claims use since Jan. 4, 1927.

Ser. No. 248,770. GURST, KEEN & NETTLEFOLDS LIMITED, London Works, Smethwick, England. Filed May 10, 1927.

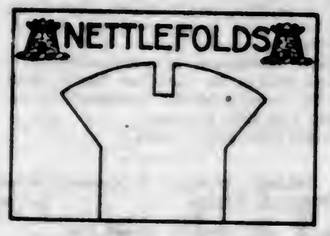


No claim is made for the outline of a screw head apart from the mark shown in the drawing.

Particular description of goods.—Screws of Ordinary Metal.

Claims use since Jan. 4, 1927.

Ser. No. 248,771. GURST, KEEN & NETTLEFOLDS LIMITED, London Works, Smethwick, England. Filed May 10, 1927.



No claim is made for the outline of a screw head apart from the mark shown.

Particular description of goods.—Screws of Ordinary Metal.

Claims use since Jan. 4, 1927.

Ser. No. 250,152. THE AIR-SCALE COMPANY, Toledo and Delta, Ohio Filed June 8, 1927.

WEIGHED

Particular description of goods.—Metallic Valves Together with Fittings and Connections Therefor.

Claims use since July, 1926.

CLASS 16. PAINTS AND PAINTERS' MATERIALS.

Ser. No. 248,364. HARRY LEONARD GREENBAUM, doing business as Technical Color & Chemical Works, New York, N. Y. Filed May 3, 1927.



The drawing is lined to indicate the color red.

Particular description of goods.—Floor Paints, Varnish Stains, Paint Enamel and Thinner.

Claims use since May, 1917.

Ser. No. 249,297. ROSSITE MANUFACTURING CO., INC., Rockville Center, N. Y. Filed May 20, 1927.

ROSSITE

Particular description of goods.—Compositions for Cleaning and Polishing Automobiles, Furniture, and Surfaces Requiring a Similar Finish.

Claims use since Apr. 11, 1927.

CLASS 17. TOBACCO PRODUCTS.

Ser. No. 249,038. BATES STREET SHIRT COMPANY, Lewiston, Me. Filed May 16, 1927.

Bates Street

Particular description of goods.—Tobacco and Cigars, Cigarettes, and Smoking Tobacco.

Claims use since Jan. 1, 1870.

CLASS 19. VEHICLES, NOT INCLUDING ENGINES.

Ser. No. 245,689. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 14, 1927.

ALEMITE
Ten-Minute Top

No claim is made to the words "Ten Minute Top" except in the association shown.

Particular description of goods.—Covers for the Top of Automotive Vehicles.

Claims use since Feb. 19, 1927.

Ser. No. 250,725. VAUXHALL MOTORS LIMITED, Luton, Bedfordshire, England. Filed June 17, 1927.

VAUXHALL

Particular description of goods.—Automobiles and Chassis Therefor.

Claims use since Jan. 14, 1914.

CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.

Ser. No. 212,212. SYCO RADIO PRODUCTS CORPORATION, Philadelphia, Pa. Filed Apr. 4, 1925.

SYCO

Particular description of goods.—Radio Receiving Sets and Component Parts Thereof Comprising Condensers, Transformers, Rheostats, Coils, Sockets, Connecters, Dials, Insulators, Electron Tubes, Grid Leaks as Well as Loud Speakers and Ear Phones.

Claims use since Mar. 6, 1924.

Ser. No. 248,588. THE DOVER MANUFACTURING CO., Dover, Ohio. Filed May 12, 1927.

Bonnie Dover

The word "Dover" is disclaimed apart from the mark as shown.

Particular description of goods.—Electric Appliances—Namely, Smoothing Irons.

Claims use since May, 1926.

Ser. No. 249,869. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed June 1, 1927.



The trade-mark consists of a red thread or cord placed centrally within the stranded wire. No claim is made herein to the representation of the cross section of wire shown in the drawing.

Particular description of goods.—Stranded Insulated Wire for Electrical Purposes.

Claims use since January, 1905.

Ser. No. 250,257. NOMA ELECTRIC CORPORATION, New York, N. Y. Filed June 9, 1927.

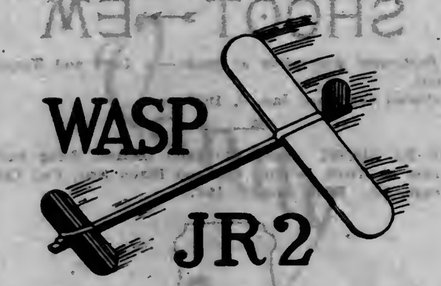
NOMA

Particular description of goods.—Christmas-Tree Lighting Outfits; Electric Decorative Devices—Namely, Electric-Lighting Fixtures and Reflectors, Miniature Electric Sockets, Plugs, and Receptacles, Electric Candelabra and Electric Lamps.

Claims use since about May 23, 1927.

CLASS 22. GAMES, TOYS, AND SPORTING GOODS.

Ser. No. 236,885. MILLER, PALMER & CO., Dubuque, Iowa. Filed Sept. 4, 1926.



No claim is made to the representation of the goods apart from the mark as shown.

Particular description of goods.—Toy Gliders.

Claims use since about Feb. 1, 1926.

Ser. No. 242,877. BING WERKE (formerly Gebrüder Bing A. G.), Nuremberg, Germany. Filed Jan. 15, 1927.

Kiddyphone

Particular description of goods.—Toy Phonographs and Talking Machines.

Claims use since November, 1924.

Ser. No. 247,056. LOUIS AMBERG & SON, New York, N. Y. Filed Apr. 7, 1927.

VANTA

Particular description of goods.—Dolls.
Claims use since Mar. 22, 1927.

Ser. No. 248,003. JOS. G. KREN, Syracuse, N. Y. Filed Apr. 26, 1927.

KREN'S SPECIAL

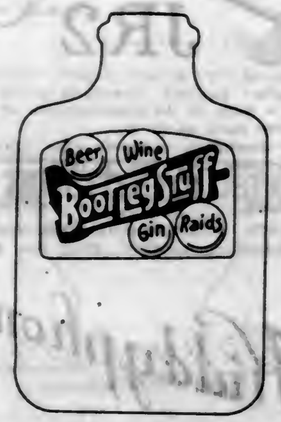
The word "Special" is disclaimed apart from the other features of the mark.
Particular description of goods.—Baseball Bats.
Claims use since about 1910.

Ser. No. 248,565. EDWIN R. GILBERT, doing business as Play-Boy Products Co., Los Angeles, Calif. Filed May 6, 1927.

SHOOT ➙ EM

Particular description of goods.—A Dart and Target Game.
Claims use since Jan. 3, 1927.

Ser. No. 249,991. JOHN ERICKSON OSBERG, doing business as Rixon Novelty Co., and Rixon Nov. Co., Chicago, Ill. Filed June 3, 1927.



Particular description of goods.—Game of Chance Played with Numbered and Marked Pieces.
Claims use since Jan. 1, 1926.

CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 231,558. NAAMLOOZE VENNOOTSCHAP MAATSCHAPPIJ TOT VERVAARDIGING VAN SNIJMACHINES VOLGENS VAN BERKEL'S PATENT EN VAN ANDERE WERKTUIGEN, Rotterdam, Netherlands. Filed May 13, 1926.



The lining shown on the drawing is intended to show shading only.
Particular description of goods.—Machines for Slicing Meat, Bread, and Other Commodities.
Claims use since Jan. 1, 1926.

Ser. No. 235,487. LIMITED COMPANY FORMERLY THE ŠKODA-WORKS, PLZEŇ, Prague-Smichov, Czechoslovakia. Filed Aug. 2, 1926.

LIBELLA

Particular description of goods.—Cream Separators.
Claims use since May 15, 1924.

Ser. No. 239,097. DROESCHER & BEHAR, INC., New York, N. Y. Filed Oct. 23, 1926.



The words "Droescher" and "Behar" are claimed only in connection with the other features as shown.
Particular description of goods.—Knives Made of Base Metal, Barber Shears, Razors.
Claims use since Aug. 1, 1923.

Ser. No. 246,436. RELIANCE MACHINE & STAMPING WORKS, INC., New Orleans, La. Filed Mar. 26, 1927.



Particular description of goods.—Grease-Gun Filler Necks, Grease-Cup Fittings, Grease-Guns and Pumps, and Parts Thereof.
Claims use since Dec. 4, 1926.

Ser. No. 247,802. MARET & HAMMACHER COMPANY, New York, N. Y. Filed Apr. 21, 1927.

KEYSTONE

Particular description of goods.—Farming and Garden Tools—Namely, Manure Forks, Hay Forks, Beet Forks, Stone Forks, Cultivators, Weeders, and Turf Edgers.
Claims use since prior to 1895.

Ser. No. 250,789. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed June 20, 1927.



Applicant disclaims any exclusive right to the words "Motors" and "America's Standard" apart from the mark as shown.
Particular description of goods.—Internal-Combustion Engines for General Power Application, Complete Industrial Power Units for General Power Application, Unit Including an Internal-Combustion Engine Mounted in a Frame with Cooling Fluid and Fuel Tanks, Replacement and Spare Parts for such Engines and Power Units, and Accessories for Such Engines and Power Units Including Carburetors, Fuel Economizer, Fuel Heaters, Supercharging Devices, Governors and Controlling Devices, Gearing and Transmission Devices Including Clutches, Lubricating Devices, and Lubricant-Purifying Devices, Air Cleaners, and Regulators, Fuel Feeding and Purifying Devices, and Engine-Vibration Dampers.
Claims use since Mar. 18, 1914.

Ser. No. 251,444. HOWARD BROTHERS M'F'G. CO., Worcester, Mass. Filed July 2, 1927.

TUFFER

Particular description of goods.—Card Clothing and Hand Cards.
Claims use since June 20, 1927.

Ser. No. 251,527. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio. Filed July 5, 1927.

Vanity

Particular description of goods.—Sewing Machines.
Claims use since on or about June 22, 1927.

Ser. No. 251,572. THE PNEUMELECTRIC CORPORATION, Syracuse, N. Y. Filed July 6, 1927.

Pneumelectric

Particular description of goods.—Coal-Mining Machinery.
Claims use since June, 1904.

CLASS 24. LAUNDRY APPLIANCES AND MACHINES.

Ser. No. 248,889. EDWARD E. EHRICH, doing business as The Grand Mfg. Co., Indianapolis, Ind. Filed May 12, 1927.

BABY-GRAND

Particular description of goods.—Dry-Cleaning Machines, Extractors, and Parts Thereof.
Claims use since 1914.

Ser. No. 250,243. JORDAN MARSH COMPANY, Boston, Mass. Filed June 9, 1927.

JMCo



The representation of the ironing-board cover is disclaimed apart from the mark as shown.
Particular description of goods.—Ironing-Board Covers and Pads.
Claims use since Mar. 1, 1927.

CLASS 25. LOCKS AND SAFES.

Ser. No. 250,479. TWINDOLOX CORPORATION, Long Beach, Calif. Filed June 13, 1927.

TWINDOLOX

Particular description of goods.—Window Locks.
Claims use since March, 1924.

CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.

Ser. No. 241,123. THE THERMO ELECTRIC INSTRUMENT CO., Irvington, N. J. Filed Dec. 7, 1926.

Thelco

Particular description of goods.—Electric Ovens, Incubators, Water Baths, and Automatic Temperature Controls, All for Laboratory Purposes.
Claims use since Dec. 21, 1915.

Ser. No. 242,176. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Berlin, Germany. Filed Dec. 30, 1926.

ISOLAR

Particular description of goods.—Cameras and Parts Therefor.
Claims use since May 29, 1926.

Ser. No. 242,650. AUTO CON-DEN-SO-METER CORPORATION, Chicago, Ill. Filed Jan. 11, 1927.

Con-Den-So-Meter

The word "Meter" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Combined Condenser and Temperature Indicator for Automobile Radiator.
Claims use since Feb. 26, 1926.

Ser. No. 251,066. MULTIPOSE CAMERA CORPORATION, New York, N. Y. Filed June 24, 1927.



No claim is made to the representation of the camera apart from the mark as shown.
Particular description of goods.—Photographic Sensitized Plates, Films, Papers, Cameras, Lenses, and Developing Apparatus.
Claims use since May 1, 1927.

Ser. No. 251,493. ECONOMY METER CORPORATION, Los Angeles, Calif. Filed July 5, 1927.



The section lining between the letters "Emcor" and between the second and third outer circles represent the color red.
Particular description of goods.—Fluid Meters.
Claims use since Mar. 1, 1927.

CLASS 27. HOROLOGICAL INSTRUMENTS.

Ser. No. 250,675. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed June 17, 1927.

Lone Eagle

Particular description of goods.—Watches and Watchcases.
Claims use since June 13, 1927.

CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.

Ser. No. 249,290. PHI CHI, Nicholasville, Ky. Filed May 20, 1927.

ΦX

Particular description of goods.—Fraternity Pins, Badges, Lapel Buttons, Cuff Links, Tie Clasps, Charms, Finger Rings, and Belt Buckles, All Made of or Plated with Precious Metal.
Claims use since 1894.

CLASS 31. FILTERS AND REFRIGERATORS.

Ser. No. 239,366. HARRY L. HUHSMANN REFRIGERATOR COMPANY, St. Louis, Mo. Filed Oct. 28, 1926.

STIMULATOR

Particular description of goods.—Show-Case Refrigerators.
Claims use since Jan. 8, 1923.

CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.

Ser. No. 239,238. CONSTRUCTION SUPPLIES COMPANY OF AMERICA, New York, N. Y. Filed Oct. 26, 1926.

CONSUCO

Particular description of goods.—Coal and Gas Water Heaters, Hot Water and Steam Coal and Gas Furnaces, Heating Radiators, Blow and Acetylene Torches, Coal and Gas Steam Boilers.
Claims use since Jan. 1, 1926.

Ser. No. 249,422. HY-LO OIL HEATER COMPANY, Peoria, Ill. Filed May 23, 1927.



Applicant disclaims the exclusive right to the use of the words "Pat. Pend., Peoria, Ill.," apart from the mark shown.
Particular description of goods.—Oil and Gas Heating Stoves.
Claims use since Sept. 1, 1925.

Ser. No. 249,934. STEELE AND JOHNSON MFG. CO., Waterbury, Conn. Filed June 2, 1927.

ESSENJAY

Particular description of goods.—Nonelectric Cigar Lighters for the Pocket, Table, and Automobile.
Claims use since Mar. 17, 1927.

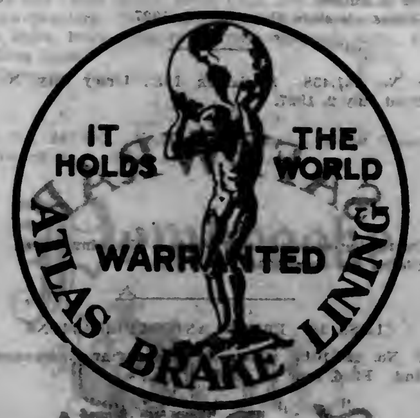
Ser. No. 250,040. THE SANDS MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 4, 1927.



Particular description of goods.—Gas Water Heaters.
Claims use since Feb. 25, 1927.

CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.

Ser. No. 244,597. ATLAS ASBESTOS COMPANY, North Wales, Pa. Filed Feb. 19, 1927.



Applicant disclaims the words "Warranted" and "Brake Lining."
Particular description of goods.—Brake Lining and Transmission Lining for Ford Cars.
Claims use since Mar. 1, 1922.

CLASS 37. PAPER AND STATIONERY.

Ser. No. 250,941. THE SAGER PEN CORPORATION, Chicago, Ill., and New York, N. Y. Filed June 22, 1927.



Particular description of goods.—Fountain Pens.
Claims use since Nov. 1, 1926.

Ser. No. 251,333. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 30, 1927.

ANODE

Particular description of goods.—Stationers' Bands Made of Rubber.
Claims use since April, 1927.

Ser. No. 251,334. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 30, 1927.

ANODEX

Particular description of goods.—Stationers' Bands Made of Rubber.
Claims use since about May 9, 1927.

Ser. No. 251,458. S. SAFIER, INC., Jersey City, N. J. Filed July 2, 1927.

SAFEWRAP

Particular description of goods.—Wrapping Paper.
Claims use since 1915.

CLASS 38. PRINTS AND PUBLICATIONS.

Ser. No. 251,101. SIGMA NU FRATERNITY, Indianapolis, Ind. Filed June 24, 1927.

The DELTA

Particular description of goods.—Periodical Publication.
Claims use since about 1883.

Ser. No. 251,172. CASHOGAS COUPON CORPORATION, St. Louis, Mo. Filed June 27, 1927.

CASHOGAS

Particular description of goods.—Trading Stamps or Coupons.
Claims use since May 28, 1927.

Ser. No. 251,196. THE NEW YORK TELEGRAM CORPORATION, New York, N. Y. Filed June 27, 1927.



Particular description of goods.—Newspaper.
Claims use since Apr. 25, 1927.

Ser. No. 251,391. FAMOUS FEATURES SYNDICATE, INC., New York, N. Y. Filed July 1, 1927.

HOW MAN LEARNED TO FLY

Particular description of goods.—Newspaper Feature Articles.
Claims use since June 28, 1927.

CLASS 39. CLOTHING.

Ser. No. 243,711. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Feb. 2, 1927.

WANDA

RAY

Applicant owns registration No. 198,315.
Particular description of goods.—Men's Dress, Negligee, and Work Shirts, Night Robes, Pyjamas, and Boys' Blouses.
Claims use since Mar. 4, 1926.

Ser. No. 243,714. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Feb. 2, 1927.

Town Topic

Particular description of goods.—Men's Dress, Negligee, and Work Shirts; Nightshirts, Pyjamas, Boys' Blouses, and Dress, Negligee, and Work Shirts.
Claims use since July, 1911.

Ser. No. 243,939. GOODMAN & SUSS, INC., Rochester, N. Y. Filed Feb. 7, 1927.

Clan-Shiel

Particular description of goods.—Suits and Topcoats for Men and Young Men.
Claims use since April, 1926.

Ser. No. 245,026. OSHKOSH OVERALL CO., Oshkosh, Wis. Filed Feb. 28, 1927.

"VESTKOTE"

Particular description of goods.—Men's Coats and Jackets.
Claims use since January, 1925.

Ser. No. 245,145. HILLSIDE COTTON MILLS, La Grange, Ga., and Roanoke, Ala. Filed Mar. 8, 1927.

TRULINE

Particular description of goods.—Trousers, Work Pants, Caps for Men and Boys, Golf Knickers, Riding Breeches, Overalls, Hosiery; Dress, Negligee, and Work Shirts; Hunting Coats, and Sport Coats.
Claims use since Dec. 1, 1925.

Ser. No. 246,123. RED FEATHERS REPAIRS, INC., New York, N. Y. Filed Mar. 21, 1927.



Particular description of goods.—Sweaters and Knitted Scarfs.
Claims use since August, 1926.

Ser. No. 246,503. J. J. PREIS & COMPANY, New York, N. Y. Filed Mar. 28, 1927.

Jack O'Leather
Guaranteed
Tru-Wool
FABRIC

Applicant owns registration No. 132,227. No claim is made to the exclusive use of the words "Guaranteed Tru Wool Fabric" appearing on the drawing separate and apart from the other features of the mark.
Particular description of goods.—Young Men's and Students' Suits Consisting of Coats, Vests, Trousers, and Knickerbockers Made from All-Wool Cloth.
Claims use since Mar. 1, 1927.

Ser. No. 246,918. MCCALLUM & CRAIGIE, LIMITED, Shettleston, Glasgow, Scotland. Filed Apr. 4, 1927.

Kintyre

McCallum & Craigie

The right to the exclusive use of the term "Kintyre" apart from the mark shown is not claimed. The script portion of the mark is a facsimile of the company's signature by K. B. Craigie, one of the directors of the applicant company.
Particular description of goods.—Knitted Articles of Clothing—Namely, Men's, Ladies', Boys', Girls', and Children's Knitted Pullovers, Jumpers, Cardigans, Waistcoats, Hose, Knicker Hose, Half Hose, Spats, Garters, Outer and Under Skirts, Suits, Caps, Scarfs, Gloves, Ties, Tam-o'-Shanters, Undervests, Trunk Drawers, Combination Suits, Body Belts Other Than Sanitary Belts, and Bathing Suits.
Claims use since July 1, 1924.

Ser. No. 247,695. KRESGE DEPARTMENT STORE CORPN., Newark, N. J. Filed Apr. 19, 1927.

Pembrooke



Particular description of goods.—Men's Clothing—Viz, Suits in One, Two, and Three Piece Garments, Overcoats, Dress, Negligee, and Work Shirts, and Hats and Neckties.
Claims use since Mar. 1, 1927.

Ser. No. 247,699. Neustadter Brothers, San Francisco, Calif. Filed Apr. 19, 1927.

PEDRO PANTS

The word "Pants" is disclaimed except as used in connection with the balance of the mark as shown.

Particular description of goods.—Men's and Boys' Overalls and Work Pants.

Claims use since Apr. 1, 1927.

Ser. No. 248,062. J. Schoeneman, Incorporated, Baltimore, Md. Filed Apr. 27, 1927.

Armor

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.

Claims use since October, 1926.

Ser. No. 248,137. Tuteiman & Kohn, Philadelphia, Pa. Filed Apr. 28, 1927.

BUTTERFLY



Particular description of goods.—Men's Negligee Shirts and Men's Negligee Shirts with Collars Attached.

Claims use since Jan. 1, 1927.

Ser. No. 248,224. Daniel Miller Company, Baltimore, Md. Filed Apr. 30, 1927. Under 10 year proviso.



Particular description of goods.—Knitted Garments—To Wit, Cardigan Jackets, Sweaters, Ladies' Knitted Vests, and Textile Underwear for Men, Women, and Children.

Claims use since 1892.

Ser. No. 248,367. L. J. and C. D. Jaffee Inc., New York, N. Y. Filed May 3, 1927.



No claim is made to the exclusive use of the word "Quality" apart from the mark shown in the drawing.

Particular description of goods.—Young Men's, Boys', and Children's Suits in One, Two, Three, and Four Piece Garments.

Claims use since Dec. 18, 1926.

Ser. No. 248,499. James T. Johnson, Jr., Scranton, Pa. Filed May 5, 1927.

SCI-EN-TEX

Particular description of goods.—Union Suits, Undershirts, and Drawers for Men, Women, and Children, All Made of Knitted Material, and One-Piece Sleeping Suits for Children.

Claims use since Apr. 28, 1927.

Ser. No. 249,179. G. R. Kinney Co., Inc., New York, N. Y. Filed May 18, 1927.



Applicant disclaims the right to the exclusive use of the surname "Kinney's," to the pictorial representation of a shoe appearing in the drawing, and to the descriptive words "Modish Stout" except as to the particular arrangement and association in which they appear with the rest of the trade-mark as shown in the drawing.

Particular description of goods.—Leather Boots and Shoes.

Claims use since May 3, 1927.

Ser. No. 249,218. Endicott Johnson Corporation, Endicott, N. Y. Filed May 19, 1927.



Applicant owns Reg. No. 209,333.

Particular description of goods.—Leather and Rubber Boots and Shoes and Heels for Boots and Shoes.

Claims use since May 14, 1927.

Ser. No. 249,605. Ready Apron Company, Chicago, Ill. Filed May 26, 1927.

Bye Baby Bunting

Particular description of goods.—Bibs.

Claims use since May 1, 1927.

Ser. No. 249,870. Rubin Brothers, Chicago, Ill. Filed June 1, 1927.



The ground of the scroll on which the words "Big Line" are superimposed is in practice colored red as indicated by the conventional lining in the drawing. The words "Mfd. by, Chicago, Ill." are disclaimed apart from the mark shown.

Particular description of goods.—Overalls and Coats for Men, Women, and Children.

Claims use since on or about Jan. 1, 1927.

Ser. No. 250,021. The John M. Given Company, New York, N. Y.; Chicago, Ill., and Pittsburgh, Pa. Filed June 4, 1927.

TOPAZ

Particular description of goods.—Hosiery.

Claims use since May 14, 1927.

Ser. No. 250,247. Lord & Taylor, New York, N. Y. Filed June 9, 1927.

THE MOORLAND

Applicant owns Reg. No. 182,740.

Particular description of goods.—Men's Suits, Coats, Trousers, Vests, and Knickerbockers.

Claims use since May 28, 1927.

Ser. No. 250,520. Sarner & Schlesinger, Philadelphia, Pa. Filed June 14, 1927.

Elaine

Particular description of goods.—Women's, Misses', and Children's Dresses.

Claims use since June 13, 1927.

Ser. No. 250,551. The Keller-Kohn Company, Cleveland, Ohio. Filed June 15, 1927.

Sterling Girl

Particular description of goods.—Children's Coats.

Claims use since June, 1923.

Ser. No. 250,635. Porter Clothing Co., New Orleans, La. Filed June 16, 1927.



Particular description of goods.—Overcoats and Suits for Men.

Claims use since June 10, 1927.

Ser. No. 250,843. Walter E. Fritz, Landingville, Pa. Filed June 21, 1927.



Particular description of goods.—Circular and Flat Knit Underwear Consisting of Ladies', Misses', Children's, and Infants' Shirts, Vests, Drawers, and Union Suits.

Claims use since May 1, 1927.

Ser. No. 251,141. IPSWICH MILLS, Ipswich, Mass. Filed June 25, 1927.

CADDY

Particular description of goods.—Hosiery.
Claims use since June 9, 1927.

Ser. No. 251,150. SAMUEL ROTHSTEIN CLOTHING CO. INC., New York, N. Y. Filed June 25, 1927.

RA-KUNA

Particular description of goods.—Women's, Men's, and Children's Overcoats, Coats, and Jackets.
Claims use since June 8, 1927.

Ser. No. 251,152. RUFUS W. SCOTT COMPANY, New York, N. Y. Filed June 25, 1927.

4 Seasons

Particular description of goods.—Hosiery.
Claims use since June 10, 1927.

Ser. No. 251,173. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed June 27, 1927.

TRUMP

Particular description of goods.—Dress and Negligee Shirts.
Claims use since June 16, 1927.

Ser. No. 251,279. LORD & TAYLOR, New York, N. Y. Filed June 29, 1927.

CAVALIER

Particular description of goods.—Bathing Suits.
Claims use since June 13, 1927.

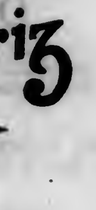
Ser. No. 251,280. LORD & TAYLOR, New York, N. Y. Filed June 29, 1927.



Particular description of goods.—Bathing Suits.
Claims use since June 13, 1927.

Ser. No. 251,317. BERGER'S, San Francisco, Calif. Filed June 30, 1927.

Shetlan'-driz



Particular description of goods.—Overcoats and Topcoats.
Claims use since January, 1922.

CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.

Ser. No. 243,356. THE FRAMPTON COMPANY, Newark, N. J., and New York, N. Y. Filed Jan. 26, 1927.

CAMEO

Particular description of goods.—Material or Fabric Stamped for Art Embroidery.
Claims use since Jan. 10, 1927.

Ser. No. 249,786. FISCH AND COMPANY, INC., Los Angeles, Calif. Filed May 31, 1927.

DOO-DADS

Particular description of goods.—Felt Emblems in the Nature of Appliqué.
Claims use since Apr. 25, 1927.

Ser. No. 250,173. GREEN WITCH WATER WAVER COMPANY, Chicago, Ill. Filed June 8, 1927.



No claim is made to the words "Water Waver" apart from the mark as shown.
Particular description of goods.—Nonelectrical Hair-Waving Instrument Known as a Water Waver.
Claims use since July 15, 1926.

CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.

Ser. No. 218,806. FELIX MERCANTILE CO. INC., New York, N. Y. Filed Aug. 12, 1925.

ARA

Particular description of goods.—Sheets, Pillowcases, Cotton Piece Goods, Silk Piece Goods, Silk and Cotton Mixture Piece Goods.
Claims use since May 15, 1925.

Ser. No. 230,211. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed Apr. 15, 1926.

PRINCEEN

Particular description of goods.—Woolen Dress Goods and Dress Fabrics of Silk and Wool and Cotton and Wool in the Piece.
Claims use since about Oct. 1, 1925.

Ser. No. 232,164. TRADE MARK STORES, INC., Boston, Mass. Filed May 24, 1926.



Applicant disclaims all reading matter shown in the drawing.
Particular description of goods.—Cotton Piece Goods, Sheets, Pillowcases, and Towels.
Claims use since Apr. 10, 1926.

Ser. No. 233,108. COLUMBUS MANUFACTURING COMPANY, Columbus, Ga. Filed June 12, 1926.



Particular description of goods.—Cotton Sheetings.
Claims use since Feb. 5, 1926.

Ser. No. 239,645. THOMAS DEVELON, Jr., Philadelphia, Pa. Filed Nov. 4, 1926.



No claim is made to the words "Wilton Rug" apart from the mark shown. The drawing is lined to indicate shading.
Particular description of goods.—Textile Rugs and Floor Coverings.
Claims use since Apr. 15, 1926.

Ser. No. 242,466. BEST & CO., INC., New York, N. Y. Filed Jan. 7, 1927.

LILIPUTIAN BAZAAR



Particular description of goods.—Silk Carriage Straps, Textile Knitted Warmers for Bottles, Bed Spreads, Textile Blanks, Sheets, Wash Cloths, Cases, Slips, and Shams for Pillows, Textile Towels, Afghans, Silky Sponges for Use as Wash Cloths, Textile Crib Shields, Diapers, and Rugs.
Claims use since 1879.

Ser. No. 244,593. ALBERT GODDE, BEDIN, INC., New York, N. Y. Filed Feb. 19, 1927.

ROMETTA

Particular description of goods.—Silk Piece Goods.
Claims use since Feb. 1, 1927.

Ser. No. 249,392. VANITY FAIR SILK MILLS, Reading, Pa. Filed May 21, 1927.

SILKENESE

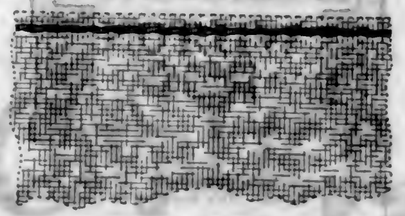
Particular description of goods.—Piece Goods Consisting of Silk and Bemberg Fiber.
Claims use since May 14, 1927.

Ser. No. 250,256. M. J. NOLAN, INC., New York, N. Y. Filed June 9, 1927.

"Fillette Chiffon"

No rights are asserted to the exclusive use of the word "Chiffon" apart from the mark shown in the drawing.
Particular description of goods.—Dress Silks in the Piece.
Claims use since Apr. 26, 1927.

Ser. No. 250,320. OTIS COMPANY, Boston, Mass. Filed June 10, 1927.



Applicant disclaims the representation of the goods apart from the mark shown in the drawing. The mark which consists of a thread composed of a red strand and a blue strand (each shown conventionally in the drawing) twisted together is woven into the cloth near the selvage edge.
Particular description of goods.—Cotton Piece Goods.
Claims use since May 16, 1927.

Ser. No. 251,246. G. SIDENBERG & Co., New York, N. Y. Filed June 28, 1927.

CAPITOL

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 1, 1917.

Ser. No. 251,247. G. SIDENBERG & Co., New York, N. Y. Filed June 28, 1927.



Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 1, 1917.

Ser. No. 251,403. R. H. MACY & CO., INC., New York, N. Y. Filed July 1, 1927.

MAYFLOWER

Particular description of goods.—Textile Mattress Covers.
Claims use since Apr. 16, 1927.

Ser. No. 251,686. ROBINSON & GOLLUBER, New York, N. Y. Filed July 8, 1927.

SLIPSHEEN

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 22, 1925.

Ser. No. 251,712. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed July 9, 1927.

CRESADA

Particular description of goods.—Woolen Piece Goods.
Claims use since Oct. 26, 1925.

Ser. No. 251,728. GLENWOOD COTTON MILLS, Easley, S. C. Filed July 9, 1927.



Particular description of goods.—Cotton Sheetings and Drillings.
Claims use since 1905.

Ser. No. 251,729. GLENWOOD COTTON MILLS, Easley, S. C. Filed July 9, 1927.



Particular description of goods.—Cotton Sheetings and Drillings.
Claims use since 1905.

CLASS 43. THREAD AND YARN.

Ser. No. 251,683. PROVIDENCE BRAID CO., Pawtucket, R. I. Filed July 8, 1927.

Lox-rite

Particular description of goods.—Braided Shoe Thread.
Claims use since Nov. 1, 1924.

CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.

Ser. No. 232,062. AMERICAN NARROW FABRIC COMPANY, Worcester, Mass. Filed May 22, 1926.

"Gripmor"

Particular description of goods.—Sanitary Belts.
Claims use since November, 1925.

Ser. No. 247,738. LEON INGRASSIA, doing business as I. Leon Company, New York, N. Y. Filed Apr. 20, 1927.



Particular description of goods.—Pads for Use in Permanent Hair Waving and for Permanent Hair-Waving Machines and Appliances.
Claims use since about Mar. 26, 1927.

Ser. No. 251,316. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed June 30, 1927.

P and S

Particular description of goods.—Absorbent Cotton and Combination Syringes.
Claims use since January, 1927.

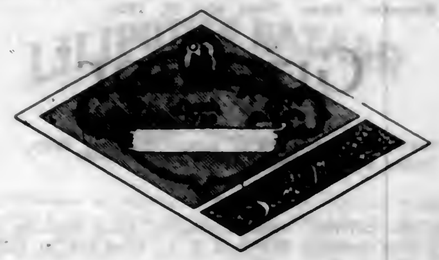
CLASS 45. BEVERAGES, NONALCOHOLIC.

Ser. No. 245,315. FRANK ARENA, doing business as Wilkinsburg Beverage Co., Wilkinsburg, Pa. Filed Mar. 7, 1927.

ANNIS-OLA

Particular description of goods.—Carbonated Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since March, 1926.

Ser. No. 245,339. DEEP ROCK ARTESIAN WATER & BOTTLING CO., also doing business as Deep Rock Water Co., Denver, Colo. Filed Mar. 7, 1927.



The diamond shape of the label and the parallelogram attached thereto are not considered essential features of the mark, and the applicant claims no right to the exclusive use thereof. The lining of the drawing, which indicates green, orange, and brown is claimed for shading only. The words "Scotch Type" and "None Genuine Without the Signateure" are disclaimed except as used in connection with the other features of the mark.

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Ginger Ale.

Claims use since May 26, 1926.

Ser. No. 246,846. PALMER BOTTLING COMPANY, Philadelphia, Pa. Filed Apr. 2, 1927.





Applicants disclaim the words "Wine Bouquet" except as used in connection with the mark shown.

Particular description of goods.—Ginger Ale, a Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since August, 1926.

Ser. No. 249,142. HARRY WHITEFIELD, New York, N. Y. Filed May 17, 1927.

VITAVAC

Particular description of goods.—Nonalcoholic, Maltless Fruit Juices for Use as Soft Drinks or for Any Other Purposes Except Cooking, to Which Said Juices Can be Put.

Claims use since Apr. 2, 1927.

Ser. No. 250,077. JOSEPH GLAZER, Fort Worth, Tex. Filed June 6, 1927.

AUNT IDA

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since May 5, 1927.

CLASS 46. FOODS AND INGREDIENTS OF FOODS.

Ser. No. 225,883. JOSEPH SLATER LIMITED, Aberdeen, Scotland. Filed Jan. 13, 1926.



Particular description of goods.—Pickled Herrings.

Claims use since May 10, 1919.

Ser. No. 231,018. VINCENT J. SQUILLANTE, New York, N. Y. Filed May 1, 1926.

BABY BRAND

No claim is made to the exclusive use of the word "Brand" except as shown in the drawing.

Particular description of goods.—Fresh Fruits—Viz, Casaba and Honeydew Melons and Cantaloupes, Olives; Fresh Vegetables—Viz, Artichokes, Finocchi (White Turnip), Tomatoes in Their Natural State, Eggplant, Cabbage, Parsley, Okra, Chicory, Fava Beans, Cauliflower, Turnip Leaves, Dandelion Leaves, Peppers, Celery, Rhubarb, Cucumbers, Lettuce, Romaine Lettuce, Brussels Sprouts, Peas, Spinach, Radishes, Cardone, Onions, Italian Squash, Carrots, Lima Beans, Asparagus, and Black Peppers.

Claims use since Apr. 27, 1926.

Ser. No. 236,005. COLUMBIA SUGAR COMPANY, Bay City, Mich. Filed Aug. 16, 1926.



Particular description of goods.—Sugar.

Claims use since October, 1917.

Ser. No. 240,151. BESSIE S. POWELL, doing business as Beth Tantum, Los Angeles, Calif. Filed Nov. 16, 1926.



The trade-mark is in the form of a fanciful artificial flower which is applied by tying or attaching the same to the outside containers of the goods.

Particular description of goods.—Oranges, Grapes, Bananas, Pears, Plums, Apricots, Grapefruit, Alligator Pears (These Fruits are Fresh, Dried, and Canned), Orange Jelly, Apricot Jelly, Satsuma Plum Jelly, Loquat Jelly, Guava Jelly, Apricot Jam, Fig Jam, Baked Figs, Crystallized Figs, Prunes, Orange and Grapefruit Marmalade, Orange and Grapefruit Candied Peel, Hard-Candied Chocolates, Bon Bons, Cakes, Sugared Ginger, Sugared Kumquats, Dates, Raisins, Almonds, and English Walnuts, (the Nuts are in the Natural State, Salted, and Candied).

Claims use since on or about Jan. 1, 1921.

Ser. No. 240,170. CHAPMAN ORCHARDS, Fullerton, Lindsay, and El Mirador, Calif. Filed Nov. 17, 1926.

GOLD BOND

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Fresh Deciduous Fruits—Namely, Pomegranates and Grapes.

Claims use since Jan. 2, 1915.

Ser. No. 240,647. DRAKE & COMPANY, Easton, Pa. Filed Nov. 27, 1926.

GOLDEN CROWN

Particular description of goods.—Tea and Coffee.

Claims use since Feb. 1, 1875.

Ser. No. 240,966. FIRST NATIONAL STORES, INC., Boston, Mass. Filed Dec. 4, 1926.

FINAST

Particular description of goods.—Canned Vegetables, Dried Vegetables, Canned Fruits, Fresh Fruits (Citrous and Deciduous), Dried Fruits, Canned Soups, Canned Shellfish, Spices, Candy, Chewing Gum, Bread, Biscuits, Cake, Cookies, Crackers, Doughnuts, Pies, Extracts for Food-Flavoring Purposes, Prepared Mustard, Pickles, Chili Sauce, Tomato Catchup, Seasoning Sauce, Caviar, Fruit Preserves, Jams, Jellies, Marmalade; Graham, Rye, Potato, Buckwheat, Pancake, Self-Rising, Pastry, and Cake Flour; Prepared Pie Crust, Bran, Corn Flakes, Wheat Cereal, Butter, Margarine, Cheese, Condensed Milk, Evaporated Milk, Malted Milk, Fresh Milk, Macaroni, Spaghetti, Noodles, Salad Dressing, Mayonnaise Dressing, Russian Dressing, Thousand Island Dressing, Salad Oil, Cooking Oil, Olive Oil, Sandwich Spread (a Combination of Fruits, or Meats Combined with Salad or Other Dressings), Molasses, Honey; Maple Sirup, Table Sirup, Compound Sirup for Food Purposes; Cocoa, Coffee, Tea, Rolled Oats, Corn Meal, Shredded Coconut, Eggs, Dog Bread, Gelatin, Lard, Canned Brown Bread, Olives, Peanut Butter, Olive Butter, Sugar, Rice, Barley, Tapioca; Shelled Nuts Candied, Salted, or in Their Natural State, and Unshelled Nuts; Marshmallow Paste, Marshmallow Whip, Maraschino Cherries, Jelly Powders, Plum Pudding, Pie Filling, Mincemeat (Wet and Dry), Potatoes, Bird Food, Vinegar, Canned Chicken.

Claims use since Sept. 1, 1926.

Ser. No. 240,969. FIRST NATIONAL STORES, INC., Boston, Mass. Filed Dec. 4, 1926.



The representation of the man shown in drawing is fanciful.

Particular description of goods.—Canned Vegetables, Dried Vegetables, Canned Fruits, Fresh Fruits (Citrous and Deciduous), Dried Fruits, Canned Soups, Canned Shellfish, Spices, Candy, Chewing Gum, Bread, Biscuits, Cake, Cookies, Crackers, Doughnuts, Pies, Extracts for Food-Flavoring Purposes, Prepared Mustard, Pickles, Chili Sauce, Tomato Catchup, Seasoning Sauce, Caviar, Fruit Preserves, Jams, Jellies, Marmalade; Graham, Rye, Potato, Buckwheat, Pancake, Self-Rising, Pastry, and Cake Flour; Prepared Pie Crust, Bran, Corn Flakes, Wheat Cereal, Butter, Margarine, Cheese, Condensed Milk, Evaporated Milk, Malted Milk, Fresh Milk, Macaroni, Spaghetti, Noodles, Salad Dressing, Mayonnaise Dressing, Russian Dressing, Thousand Island Dressing, Salad Oil, Cooking Oil, Olive Oil, Sandwich Spread (a Combination of Fruits, or Meats Combined with Salad or Other Dressings), Molasses, Honey; Maple Sirup, Table Sirup, Compound Sirup for Food Purposes; Cocoa, Coffee, Tea, Rolled Oats, Corn Meal, Shredded Coconut, Eggs, Dog Bread, Gelatin, Lard, Canned Brown Bread, Olives, Peanut Butter, Olive Butter, Sugar, Rice, Barley, Tapioca; Shelled Nuts Candied, Salted, or in Their Natural State, and Unshelled Nuts; Marshmallow Paste, Marshmallow Whip, Maraschino Cherries, Jelly Powders, Plum Pudding, Pie Filling, Mincemeat (Wet and Dry), Potatoes, Bird Food, Vinegar, Canned Chicken.

Claims use since Sept. 1, 1926.

Ser. No. 241,098. GEORGE H. FRITZ, & SONS CO., Newark, N. J. Filed Dec. 7, 1926.

MIKADOS

Particular description of goods.—Candy.
Claims use since July 1, 1926.

Ser. No. 243,375. LA VERNE ORANGE ASSOCIATION, La Verne, Calif. Filed Jan. 26, 1927.

Paul Neyron

The name "Paul Neyron" is the name of a wellknown pink rose.

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1910.

Ser. No. 244,589. HERMAN P. WISARD, Norfolk, Va., assignor to Biola Mfg. Co., Inc., Norfolk, Va. Filed Feb. 18, 1927.



The representation of the label and all words except the applicant's name and "The Missing Link To Health" are disclaimed apart from the mark shown.

Particular description of goods.—A Basic Food Product Containing the Primary Elements Such as are Found by Chemical Analysis to Compose the Human Body.
Claims use since Nov. 1, 1926.

Ser. No. 246,899. HALES MILLING COMPANY, Milwaukee, Wis. Filed Apr. 4, 1927.

MIDGET



POP CORN

The words "Its Full of Pop" and "Pop Corn" are disclaimed apart from the mark as shown.

Particular description of goods.—Shelled and Unshelled and Popped Pop Corn, a Packaged Food Product.
Claims use since Apr. 2, 1926.

Ser. No. 247,890. J. & J. COLMAN, LIMITED, Norwich and London, England. Filed Apr. 23, 1927.



All wording is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Mustard.
Claims use since 1863.

Ser. No. 248,182. LEVERTON AND COMPANY, Houston, Tex. Filed Apr. 29, 1927.

WORLDOVER

Particular description of goods.—Olives and Cherries in Bottles, Figs Packed in Glass and in Tins, Canned and Bottled Shrimp, and a Sandwich Spread Made from Ground Olives, Pimentos, Spices, and Oil Salad Dressing.
Claims use since January, 1923.

Ser. No. 248,834. GUNZ DUBLER CANDY CO., Oshkosh, Wis. Filed May 11, 1927.



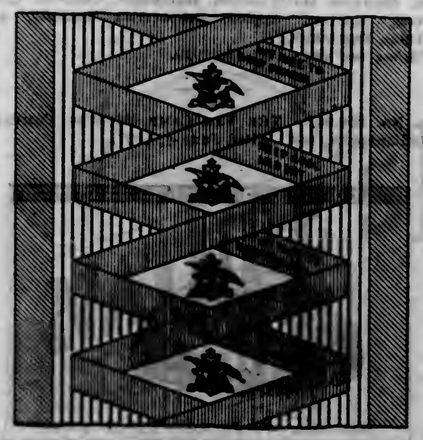
Particular description of goods.—Candy.
Claims use since Dec. 29, 1926.

Ser. No. 248,839. JOBBERS CANDY CO. INC., doing business as The Aga-Jell Co., Bristol, Va. Filed May 11, 1927.

AGA-JELLS

Particular description of goods.—Candy.
Claims use since Apr. 29, 1927.

Ser. No. 249,319. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed May 21, 1927.



In the drawing illustrating a section of the wrapper the crossed ribbons are lined for red and the vertical side borders are lined for green. No claim is made to the exclusive right to the words "We Rise to Every Occasion" and "Keep Cool and Dry" apart from the mark shown.

Particular description of goods.—Yeast.
Claims use since Apr. 23, 1927.

Ser. No. 249,464. THE COPPS COMPANY, Stevens Point, Wis. Filed May 24, 1927.

UPRIGHT

Particular description of goods.—Canned Fruits and Vegetables, Powdered Sugar, Coffee, Tea, Canned Fish, Canned Baked Beans, Canned Soup, Canned Evaporated Milk, Dried Fruit, Wheat Flour, Rolled Oats, Pancake Flour, Buckwheat Flour, Corn Meal, Graham Flour, Corn Starch, Rice, Food-Flavoring Extracts, Spices, Cocoa, Honey, Jelly, Fruit Preserves, Peanut Butter, Catchup, Prepared Mustard, Horse-Radish, Olives, Olive Oil, Pickles, Vinegar, Molasses; Sirup—Namely, Corn Sirup and Rock-Candy Sirup and Corn Sirup and Refiners Sirup; Mincemeat and Birdseed.
Claims use since June 28, 1926.

Ser. No. 249,484. FRED OLSEN, doing business as Olsen Fish Company, Minneapolis, Minn. Filed May 24, 1927.

Ye Old Kings

Particular description of goods.—Canned Salmon, Shrimp, Lobsters, Tunny, and Oysters.
Claims use since December, 1925.

Ser. No. 249,525. H. JEVNE CO., Los Angeles, Calif. Filed May 25, 1927.

Parachute

Particular description of goods.—Honey, Pickles, Teas, Coffees, Breakfast Cereals, Olive Oil, Fresh Deciduous Fruits, Fresh Citrous Fruits, Olives, Dried Fruits, Canned Fruits, Canned Vegetables, Evaporated Milk, Canned Fish, Salad Dressings, Jams, Fruit Preserves, and Catchup.
Claims use since Mar. 15, 1927.

Ser. No. 249,667. GEORGE G. MARKOPOULOS, doing business as American Products Company, Kansas City, Mo. Filed May 27, 1927.

KLINKS

Particular description of goods—Prepared Fruit Seeds—Namely, Pumpkin Seeds.
Claims use since Feb. 1, 1927.

Ser. No. 249,700. THE BRADLEY, SMITH CO., New Haven, Conn. Filed May 28, 1927.

TOF-E-WOFFLES

No claim is made to the word "Tof-e."
Particular description of goods.—Candy.
Claims use since Mar. 15, 1927.

Ser. No. 249,843. GIACOMO FOTI, Philadelphia, Pa. Filed June 1, 1927.

Rosa

Particular description of goods.—Canned Tunny Fish, Canned Vegetables, Canned Chick Peas, Wheat Flour and Macaroni and Tomato Sauce.
Claims use since January, 1925.

Ser. No. 249,846. GOLDMEYER & ARNOLD, INCORPORATED, New York, N. Y. Filed June 1, 1927.



The word "Preserves" and the outline of the label are disclaimed apart from the other features of the mark.
Particular description of goods.—Fruit Preserves.
Claims use since May 28, 1926.

Ser. No. 249,884. ATLANTIC LARD COMPANY, Chicago, Ill. Filed June 2, 1927.

HYDROL

Particular description of goods.—Hydrostearoleine, the Same Being Hydrogenated Vegetable-Oil of Lardlike Appearance, Consistency, and Use.
Claims use since May 14, 1927.

Ser. No. 249,982. MUSHER & CO., Washington, D. C. Filed June 3, 1927.

OLIVKRUSH

Particular description of goods.—Olive Oil, Olive Butter, and Mayonnaise Salad Dressings.
Claims use since June 3, 1927.

Ser. No. 249,983. MUSHER & CO., Washington, D. C. Filed June 3, 1927.

FIGSAP

Particular description of goods.—Candy Confections, Ice-Cream Flavors, and Fruit Juices Used as Flavoring for Foods.
Claims use since June 3, 1927.

Ser. No. 249,984. MUSHER & CO., Washington, D. C. Filed June 3, 1927.

DATESAP

Particular description of goods.—Candy Confections, Ice-Cream Flavors, and Fruit Juices Used as Flavoring for Foods.
Claims use since June 3, 1927.

Ser. No. 250,029. MAGIC CHEF DEHYDRATED PRODUCTS COMPANY, Sturtevant, Wis. Filed June 4, 1927.

MAGIC CHEF

Particular description of goods.—Dehydrated Products—Namely, Spinach, Powdered Spinach, Sweet Corn, Carrots, Powdered Carrots, Celery, Parsely, Beans, Pumpkin, Onions, Powdered Onions, Cabbage, Powdered Cabbage, Potatoes, Horse-Radish, Rutabagas, Cherries, Cranberries, Apricots, Apples, Raspberries, Peaches, and Julienne Vegetables.
Claims use since Dec. 15, 1919.

Ser. No. 250,052. THE VAN CAMP PACKING COMPANY, Indianapolis, Ind. Filed June 4, 1927.



Applicant disclaims the pictorial representation of the goods and the outline of the label apart from the other features of the mark.
Particular description of goods.—Canned Beans.
Claims use since Aug. 10, 1925.

Ser. No. 250,100. JOSEPH W. SHERIDAN, doing business as American Beauty Rose Ice Cream Cone Co., Quincy, Ill. Filed June 6, 1927.



No claim is made to the representation of the label or to the exclusive use of the representation of an ice-cream cone apart from the mark shown.
Particular description of goods.—Ice-Cream Cones.
Claims use since Aug. 15, 1926.

Ser. No. 250,300. DEAN-OSKINO COMPANY, Hatton, N. Dak. Filed June 10, 1927.



Particular description of goods.—Graded Raw Potatoes.
Claims use since May 10, 1927.

Ser. No. 250,307. F. A. KAUFFMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed June 10, 1927.

TANTALIZER



Particular description of goods.—Pure Cider Vinegar, Cider Vinegar, White Distilled Vinegar, Cereal-Sugar Vinegar, Corn-Sugar Vinegar, Vinegar, Sauerkraut (Bottled), Sauerkraut Juice (Bottled); Pickles Compressed Principally of Sweet Pickles; Pickled Okra, Celery, and Cabbage, Mustard, Vegetable Salad (Bottled), Mayonnaise, French Dressing, Combination Dressing (French and Mayonnaise Combined), Sandwich Spread (Sweet Relish with Mayonnaise), Sweet Midgets (Small Sweet Pickles), Queen Olives, Vanilla Extract (for Flavoring Foods), Coffee, Pancake Flour, Delicatessen Oil (Highest Grade Cottonseed), and Pure Strawberry Preserves.
Claims use since Mar. 10, 1927.

Ser. No. 250,427. ALLEN-QUALLEY COMPANY, St. Paul, Minn. Filed June 13, 1927.

Allen-Qualley's
5¢ NUTTETTAS
SAINT PAUL

No claim is made to the firm name "Allen Qualley's" the descriptive notation "5¢", and the geographical term "Saint Paul" apart from the other features of the mark.
Particular description of goods.—Candies.
Claims use since Jan. 1, 1927.

Ser. No. 250,706. J. TRANKINA & CO., Chicago, Ill. Filed June 18, 1927.



The pictorial representation of the goods shown on the drawing and the outline of the label are disclaimed.
Particular description of goods.—Fresh Tomatoes Packed in Crates.
Claims use since Mar. 15, 1926.

Ser. No. 251,050. SILVIO CITTI, doing business as Citti Brothers, Chicago, Ill. Filed June 24, 1927.



Particular description of goods.—Olive Oil.
Claims use since April, 1904.

Ser. No. 251,083. FRED. RICHHEIMER, Floral Park, N. Y. Filed June 24, 1927.

BLUE PLATE

Particular description of goods.—Mayonnaise.
Claims use since May 1, 1927.

Ser. No. 251,300. FORST PRODUCTS COMPANY, INC., New Orleans, La. Filed June 29, 1927.

NU-JEL

Particular description of goods.—A Concentrated Liquid Containing Pectin, for Use in Making Jelly, Jams, and the Like.
Claims use since July 9, 1926.

Ser. No. 251,557. ICE CREAM SMACK PRODUCTS CO., New York, N. Y. Filed July 6, 1927.

Smak

Particular description of goods.—Chocolate-Coated Ice Cream.
Claims use since February, 1927.

Ser. No. 251,630. W. J. ROBERTS, doing business as R. D. Robbins Estate, Suisun, Calif. Filed July 7, 1927.

CAL-CHIEF

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears.
Claims use since Apr. 30, 1927.

CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.

Ser. No. 230,467. HERMAN FREDERICK DRUMMOND, doing business as Milwaukee Malt Extract Company, Milwaukee, Wis. Filed Oct. 30, 1926.



Particular description of goods.—Concentrated Malt Sirup as a Food Product.
Claims use since Oct. 19, 1926.

Ser. No. 246,516. UNITED MALT COMPANY, Cincinnati, Ohio. Filed Mar. 28, 1927.

Aqua-ett

Particular description of goods.—Malt Extracts and Sirups.
Claims use since Jan. 3, 1927.

Ser. No. 247,915. SUPERIOR PRODUCTS CO., St. Louis, Mo. Filed Apr. 23, 1927.

HAPPY DAYS

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Jan. 1, 1927.

Ser. No. 248,061. JOS. SCHLITZ BEVERAGE COMPANY, Milwaukee, Wis. Filed Apr. 27, 1927.

Lady Luck

Particular description of goods.—Canned Malt Sirup.
Claims use since Apr. 15, 1927.

Ser. No. 248,539. MARTIN J. WALSH, Portland, Me. Filed May 5, 1927.

Old Charter
(Trade Mark)
HOP FLAVORED
MALT SYRUP
BREWED 100% PURE
MARTIN J. WALSH
112 CENTER STREET PORTLAND, MAINE

No claim is made to the printed words shown on the drawing except the words "Old Charter" and the monogram "M. J. W."
Particular description of goods.—Malt Sirup.
Claims use since Apr. 1, 1927.

Ser. No. 248,543. ZORN PRODUCTS CO., Michigan City, Ind. Filed May 5, 1927.

ZORN
MALT
EXTRACT

No claim is made to the exclusive use of the words "Zorn Malt Extract" apart from the mark shown in the drawing.
Particular description of goods.—Malt Extract.
Claims use since Apr. 1, 1927.

Ser. No. 250,159. THE BERGER BROS. COMPANY, Cincinnati, Ohio. Filed June 8, 1927.



Particular description of goods.—Malt Extracts and Sirup.
Claims use since June 9, 1923.

Ser. No. 250,402. JOSEPH P. ESMAN, Pittsburgh, Pa. Filed June 11, 1927.

STEIN HARTZ

J.P.E.

No claim is made to the surname "Stein" in itself nor to the surname "Hartz" in itself, applicant claiming the mark as shown in the drawing.

Particular description of goods.—Malt Sirup.
Claims use since May 26, 1927.

CLASS 49. DISTILLED ALCOHOLIC LIQUORS.

Ser. No. 241,327. CORNING DISTILLING CO., Peoria, Ill. Filed Dec. 11, 1926.

CORONET

Particular description of goods.—Gin.
Claims use since 1899.

CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.

Ser. No. 232,101. JAMES WEBB SAFFOLD, doing business as The Devices Development Company, Cleveland, Ohio. Filed May 22, 1926.

[redacted]

No claim is made to the exclusive use of the words "Devices Development Company" apart from the mark as shown.

Particular description of goods.—Illustrative Specimens and Models of Patented Inventions of Different Types.
Claims use since Feb. 1, 1926.

Ser. No. 245,816. ALFRED S. TURNER, doing business as Turner Brothers, Bladen, Nebr., and Wellington, Ohio. Filed Mar. 15, 1927.

GLASS CLOTH

Particular description of goods.—Paraffin Treated Cloth for Window Coverings and the Like.
Claims use since about Jan. 15, 1916.

Ser. No. 249,077. LUEBBEN & BELL MANUFACTURING CO., Clinton, Iowa. Filed May 16, 1927.



The representation of the handle is disclaimed. The mark consists in the handle with a black body portion and a red tip as indicated.

Particular description of goods.—Fly Swatters.
Claims use since Jan. 4, 1927.





TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 16, 1927.

231,131. HOSIERY. WILSON BROTHERS, Chicago, Ill. Filed March 21, 1927. Serial No. 246,142. PUBLISHED MAY 17, 1927. Class 39.

231,132. LADIES' FULL-FASHIONED HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing and Reading, Pa.
Filed March 22, 1927. Serial No. 246,147. PUBLISHED MAY 17, 1927. Class 39.

231,133. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed March 23, 1927. Serial No. 246,192. PUBLISHED MAY 17, 1927. Class 39.

231,134. YOUTHS', MISSES', AND CHILDREN'S UNDERWEAR OF KNITTED OR TEXTILE FABRIC. GOTHAM CHILDREN'S UNDERWEAR CO., New York, N. Y.
Filed March 23, 1927. Serial No. 246,204. PUBLISHED MAY 24, 1927. Class 39.

231,135. FIRE-BRICK CEMENT. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo.
Filed March 23, 1927. Serial No. 246,206. PUBLISHED MAY 24, 1927. Class 12.

231,136. QUARRY TILE. UNITED STATES QUARRY TILE CO., East Sparta, Ohio.
Filed March 23, 1927. Serial No. 246,245. PUBLISHED MAY 24, 1927. Class 12.

231,137. LIME. AUGUSTA LIME COMPANY, Staunton, Va.
Filed March 24, 1927. Serial No. 246,268. PUBLISHED MAY 24, 1927. Class 12.

231,138. OIL-FIELD EQUIPMENT—NAMELY, SUCKER-ROD SOCKETS, SUCKER-ROD ELEVATORS, SUCKER-ROD HOOKS, WORKING BARRELS, CONNECTING LINKS, POLISH-ROD CLAMPS, POLISH-ROD TOPS, HINGED BELL NIPPLES, TUBING SPIDERS, AND ROTARY PUMPS. WALTER O'BANNON CO., Tulsa, Okla.
Filed March 25, 1927. Serial No. 246,357. PUBLISHED MAY 31, 1927. Class 23.

231,139. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed March 25, 1927. Serial No. 246,367. PUBLISHED JUNE 7, 1927. Class 19.

231,140. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed March 25, 1927. Serial No. 246,368. PUBLISHED JUNE 7, 1927. Class 19.

231,141. HOSIERY AND DRESS SHIRTS. WHITEFORD CORPORATION, Athens, Ga.
Filed March 25, 1927. Serial No. 246,374. PUBLISHED MAY 17, 1927. Class 39.

231,142. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed March 26, 1927. Serial No. 246,382. PUBLISHED MAY 24, 1927. Class 39.

231,143. POULTRY MEDICINE FOR INTERNAL USE. THE CONCENTRATE PRODUCTS COMPANY, Chicago, Ill.
Filed March 26, 1927. Serial No. 246,391. PUBLISHED MAY 31, 1927. Class 6.

231,144. POULTRY VERMIFUGE. THE CONCENTRATE PRODUCTS CO., Chicago, Ill.
Filed March 26, 1927. Serial No. 246,392. PUBLISHED MAY 31, 1927. Class 6.

231,145. COAL. THE CONSOLIDATED FUEL COMPANY, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,393. PUBLISHED JUNE 7, 1927. Class 1.

231,146. LIGHT-SENSITIVE PHOTOGRAPHIC PAPERS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed March 26, 1927. Serial No. 246,397. PUBLISHED MAY 31, 1927. Class 26.

231,147. OVERALLS, PANTS, AND WORK SHIRTS. WILLIAM H. KEZZIAH, doing business as Royal Clothing Mfg. Co., Canton, N. C.
Filed March 26, 1927. Serial No. 246,416. PUBLISHED MAY 17, 1927. Class 39.

231,148. COFFEE SUBSTITUTE. ABRAHAM G. RIDGEWAY, Los Angeles, Calif.
Filed March 26, 1927. Serial No. 246,437. PUBLISHED JUNE 7, 1927. Class 46.

231,149. CARBON PAPER AND TYPEWRITER RIBBONS. NON-SMUT CARBON MFG. CO., INC., Rochester, N. Y.
Filed March 28, 1927. Serial No. 246,404. PUBLISHED MAY 31, 1927. Class 11.

231,150. UPHOLSTERED FURNITURE CONSISTING OF THE FOLLOWING ARTICLES OF MANUFACTURE: UPHOLSTERED CHESTERFIELD SETS INCLUDING SETTEES, ROCKING-CHAIRS, STRAIGHT CHAIRS, WING CHAIRS, FOOTSTOOLS, AND LOUNGES, DAVENPORTS, AND DAVENPORT BEDS. HENRY SCHIFF, San Francisco, Calif.
Filed March 28, 1927. Serial No. 246,509. PUBLISHED JUNE 7, 1927. Class 32.

231,151. LADIES' DRESSES. UCHIN & BELL, Philadelphia, Pa.
Filed February 28, 1927. Serial No. 245,037. PUBLISHED MAY 17, 1927. Class 39.

231,152. SENSITIZED PHOTOGRAPHIC PAPERS. ALFRED BLOCH, doing business as Kahn Frères, Brussels, Belgium.
Filed March 3, 1927. Serial No. 245,136. PUBLISHED MAY 31, 1927. Class 26.

231,153. LOUD-SPEAKER CABINETS. BORKMAN RADIO CORPORATION, Salt Lake City, Utah.
Filed March 3, 1927. Serial No. 245,138. PUBLISHED MAY 31, 1927. Class 32.

231,154. PISTON RINGS. THE WEL-EVER PISTON RING CO., Toledo, Ohio.
Filed March 3, 1927. Serial No. 245,174. PUBLISHED JUNE 7, 1927. Class 35.

231,155. CORSET AND BRASSIÈRES, BANDEAUX, AND COMBINATIONS THEREOF. IVY CORSET COMPANY, Worcester, Mass.
Filed March 4, 1927. Serial No. 245,214. PUBLISHED MAY 24, 1927. Class 39.

231,156. MEN'S CLOTHING—NAMELY, OVERCOATS, COATS, VESTS, TROUSERS, TOPCOATS, AND RAINCOATS. BARNET LIPSHITZ, New York, N. Y.
Filed March 4, 1927. Serial No. 245,215. PUBLISHED MAY 17, 1927. Class 39.

231,157. LEATHER SHOES. HURLEY SHOE COMPANY, Rockland, Mass.
Filed March 5, 1927. Serial No. 245,272. PUBLISHED MAY 24, 1927. Class 39.

231,158. PIANO, FURNITURE, AND AUTOMOBILE POLISH. ISAAC NETZORG, doing business as Pren Polish Manufacturer, Detroit, Mich.
Filed March 21, 1927. Serial No. 246,111. PUBLISHED MAY 31, 1927. Class 16.

231,159. CANNED FISH AND SMOKED FISH. VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif.
Filed April 18, 1927. Serial No. 247,650. PUBLISHED MAY 31, 1927. Class 46.

231,160. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed April 19, 1927. Serial No. 247,659. PUBLISHED MAY 31, 1927. Class 46.

231,161. TONIC ELIXIR CONTAINING BEEF-LIVER EXTRACTS FOR ANAEMIA, GENERAL WEAKNESS, LOWERED VITALITY, IN CONVALESCENCE, AND IN VARIOUS FORMS OF DEBILITY. IRA L. HILL, doing business as Hemoliver Products Co., New York, N. Y.
Filed April 19, 1927. Serial No. 247,692. PUBLISHED MAY 31, 1927. Class 6.

231,162. HADDOCK FILLETS, TOASTED FILLETS, FULTON FILLETS, COD FILLETS, SMOKED-FISH FILLETS, SOLE FILLETS, FINNAN HADDIE, FINNAN-HADDIE FILLETS, SALT CODFISH, SALT HADDOCK, FISH FLAKES; TOASTED FISH FLAKES IN BULK, WRAPPED, CANNED, AND PUT UP IN GLASS JARS; CANNED CLAM CHOWDER, AND CLAMS BOTH FRESH AND CANNED. BAY STATE FISHING COMPANY, Boston, Mass.
Filed April 20, 1927. Serial No. 247,725. PUBLISHED JUNE 7, 1927. Class 46.

231,163. HAND HOISTS. HERRE BROS., Seattle, Wash.
Filed April 20, 1927. Serial No. 247,726. PUBLISHED MAY 31, 1927. Class 23.

231,164. MEDICINE FOR PILES. WENNER AND SHADWELL, Butte, Mont.
Filed April 20, 1927. Serial No. 247,766. PUBLISHED MAY 31, 1927. Class 6.

231,165. WIDE ELASTIC WEBBING. THE ANSONIA O & C COMPANY, Ansonia, Conn.
Filed April 21, 1927. Serial No. 247,769. PUBLISHED MAY 31, 1927. Class 42.

231,166. SANITARY NAPKINS. LOUIS DEUTSCH, doing business as Eagle Knitting Mill of New York, New York, N. Y.
Filed April 21, 1927. Serial No. 247,785. PUBLISHED MAY 31, 1927. Class 44.

231,167. ELECTROMAGNETIC HEALTH BELT. THE MAGNA-RAY CO., Los Angeles, Calif.
Filed April 21, 1927. Serial No. 247,800. PUBLISHED MAY 31, 1927. Class 44.

231,168. COTTON PIECE GOODS. STEIN, DOBLIN & CO., New York, N. Y.
Filed April 21, 1927. Serial No. 247,831. PUBLISHED MAY 31, 1927. Class 42.

231,169. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, SOLID PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS TALCUM POWDERS, AND SACHETS. AMERICAN BEAUTY PERFUMERS, New York, N. Y.
Filed April 22, 1927. Serial No. 247,837. PUBLISHED JUNE 7, 1927. Class 6.

231,170. UPHOLSTERED CHAIRS. INDIAN SPLINT INC., Rochester, N. Y.
Filed April 22, 1927. Serial No. 247,859. PUBLISHED MAY 31, 1927. Class 32.

231,171. PERFUMES. RAYMOND R. DU PRE, Waterloo, Iowa.
Filed April 23, 1927. Serial No. 247,892. PUBLISHED JUNE 7, 1927. Class 6.

231,172. PERFUMES. RAYMOND R. DU PRE, Waterloo, Iowa.
Filed April 23, 1927. Serial No. 247,893. PUBLISHED JUNE 7, 1927. Class 6.

231,173. A PHARMACEUTICAL PREPARATION RECOMMENDED FOR INTERNAL TREATMENT OF INFLUENZA (LA GRIPPE), AND FOR INFLAMMATORY CONDITION OF THE RESPIRATORY TRACT. SCHERING & GLATZ, INC., New York, N. Y.
Filed April 23, 1927. Serial No. 247,911. PUBLISHED JUNE 7, 1927. Class 6.

231,174. PREPARATION FOR THE TREATMENT OF GALL BLADDER AND HEPATIC DISORDERS. THE ANASARCIN CHEMICAL COMPANY, Winchester, Tenn.
Filed April 25, 1927. Serial No. 247,924. PUBLISHED JUNE 7, 1927. Class 6.

231,175. CANNED FRUITS. WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash.
Filed April 25, 1927. Serial No. 247,982. PUBLISHED MAY 31, 1927. Class 46.

231,176. CANNED FRUITS. WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash.
Filed April 25, 1927. Serial No. 247,984. PUBLISHED MAY 31, 1927. Class 46.

231,177. PUMP FOR FLUIDS. THE LARVEE CORPORATION, New York, N. Y.
Filed April 26, 1927. Serial No. 248,005. PUBLISHED JUNE 7, 1927. Class 23.

231,178. MEDICATED CHEWING GUM. JOHN LECROY & SON, Camden, N. J.
Filed April 26, 1927. Serial No. 248,006. PUBLISHED JUNE 7, 1927. Class 6.

231,179. DISHWASHING APPARATUS. DISHWASHETTE CORPORATION, New York, N. Y.
Filed March 12, 1927. Serial No. 245,621. PUBLISHED JUNE 7, 1927. Class 23.

231,180. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS AND UNDERWEAR OF TEXTILE FABRIC FOR MEN AND BOYS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed March 12, 1927. Serial No. 245,636. PUBLISHED MAY 17, 1927. Class 39.

231,181. TWIST DRILLS, REAMERS, END MILLS, CUTTERS, HOLLOW MILLS, COUNTERBORES, COUNTERSINKS, SOCKETS, SLEEVES, REDUCERS, INSERTED-POINT CENTERS, AND ARBORS. WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich.
Filed March 12, 1927. Serial No. 245,675. PUBLISHED MAY 31, 1927. Class 23.

231,182. TWIST DRILLS, REAMERS, END MILLS, CUTTERS, HOLLOW MILLS, COUNTERBORES, COUNTERSINKS, SOCKETS, SLEEVES, REDUCERS, INSERTED-POINT CENTERS, AND ARBORS. WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich.
Filed March 12, 1927. Serial No. 245,676. PUBLISHED MAY 31, 1927. Class 23.

231,183. TWIST DRILLS, REAMERS, END MILLS, CUTTERS, HOLLOW MILLS, COUNTERBORES, COUNTERSINKS, SOCKETS, SLEEVES, REDUCERS, INSERTED-POINT CENTERS, AND ARBORS. WHITMAN BARNES-DETROIT CORPORATION, Detroit, Mich.
Filed March 12, 1927. Serial No. 245,677. PUBLISHED MAY 31, 1927. Class 23.

231,184. READY-MIXED PAINTS. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed March 15, 1927. Serial No. 245,792. PUBLISHED MAY 31, 1927. Class 16.

231,185. RAZORS. K. C. SEELBACH COMPANY, New York, N. Y.
Filed March 15, 1927. Serial No. 245,810. PUBLISHED MAY 31, 1927. Class 23.

231,186. CANDIES. JOSEPH S. AUERBACH, doing business as D. Auerbach & Sons, New York, N. Y.
Filed March 16, 1927. Serial No. 245,824. PUBLISHED JUNE 7, 1927. Class 46.

231,187. HERB PILLS COMPOSED OF ALOE EXTRACT, RHUBARB, SWEET FLAG, FENUGREEK, DWARF ELDER, FENNEL, JUNIPER, AND SOAP, USED FOR THE RELIEF OF CONSTIPATION AND DISORDERS RESULTING THEREFROM. APOLLONIA SLAWATICKI, Buffalo, N. Y.
Filed March 16, 1927. Serial No. 245,867. PUBLISHED MAY 31, 1927. Class 6.

231,188. MEDICINAL PREPARATION FOR DYSPEPSIA, INDIGESTION, CONSTIPATION, CATARRH OF THE STOMACH, FLATULENCY, AND DIARRHEA. THE TARRANT COMPANY, New York, N. Y.
Filed March 16, 1927. Serial No. 245,870. PUBLISHED JUNE 7, 1927. Class 6.

231,189. PLASTIC REFRACTORY MATERIAL FOR BOILER AND FURNACE LININGS. JOHN T. BEALOR, doing business as Cambridge Pliable Brick Company, Cambridge, Ohio.
Filed March 17, 1927. Serial No. 245,884. PUBLISHED MAY 24, 1927. Class 12.

231,190. REFRIGERATORS. A. C. WICKE MANUFACTURING COMPANY, New York, N. Y.
Filed March 17, 1927. Serial No. 245,945. PUBLISHED MAY 31, 1927. Class 31.

231,191. HAIR TONIC. THE CAPILLO MANUFACTURING CO., Baltimore, Md.
Filed March 18, 1927. Serial No. 246,014. PUBLISHED MAY 31, 1927. Class 6.

231,192. MEN'S AND YOUNG MEN'S SUITS AND OVERCOATS. EPSTEIN FRANK & LOCHNER INC., Buffalo, N. Y.
Filed March 18, 1927. Serial No. 246,020. PUBLISHED MAY 17, 1927. Class 39.

231,193. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL, CONSISTING OF SUITS, OVERCOATS, COATS, TROUSERS, VESTS, SKIRTS, AND DRESSES. THE JULIAN GOLDMAN STORES, INC., New York, N. Y.
Filed March 19, 1927. Serial No. 246,030. PUBLISHED MAY 24, 1927. Class 39.

231,194. MEN'S SUITS AND OVERCOATS. THE LION DRY GOODS COMPANY, Toledo, Ohio.
Filed March 19, 1927. Serial No. 246,034. PUBLISHED MAY 17, 1927. Class 39.

231,195. DENTAL PREPARATION FOR THE POST-OPERATIVE TREATMENT OF PYORRHEA AND GINGIVITIS. MARK ELTON PALMER, Potosi, Mo.
Filed March 19, 1927. Serial No. 246,046. PUBLISHED JUNE 7, 1927. Class 6.

231,196. COMPRESSED MALTED-MILK TABLETS. KRAFT MILK PRODUCTS CO., Chicago, Ill.
Filed March 21, 1927. Serial No. 246,097. PUBLISHED MAY 31, 1927. Class 46.

231,197. LIQUID INSECTICIDES FOR EXTERMINATING INSECTS, AND PARTICULARLY FLIES. THE LITTLE BROWN JUG, INC., Reading, Pa.
Filed March 21, 1927. Serial No. 246,099. PUBLISHED JUNE 7, 1927. Class 6.

231,198. BOOTS, SHOES, AND OVERSHOES MADE CHIEFLY OR WHOLLY OF RUBBER AND FABRIC. CAMBRIDGE RUBBER COMPANY, Cambridge, Mass.
Filed April 7, 1927. Serial No. 247,065. PUBLISHED MAY 24, 1927. Class 39.

231,199. KID-SHOE CLEANER. CANEY FOSTER, doing business as Foster Chemical Company, Weldon, N. C.
Filed April 7, 1927. Serial No. 247,071. PUBLISHED JUNE 7, 1927. Class 4.

231,200. FARE INDICATORS PROVIDED WITH MECHANISM FOR ISSUING RECEIPT CHECKS. KIENZLE UHRENFABRIKEN A.-G., Schwenningen, on-the-Neckar, Germany.
Filed April 7, 1927. Serial No. 247,087. PUBLISHED JUNE 7, 1927. Class 26.

231,201. PERFUMERY, TOILET LOTIONS, FACE POWDER, TALCUM POWDER, FACE AND HAND CREAMS, FACE AND LIP ROUGE, AND BATH SALTS. JULIO M. LUPUS, New York, N. Y.
Filed December 9, 1926. Serial No. 241,232. PUBLISHED MAY 31, 1927. Class 6.

231,202. TABLETS FOR THE TREATMENT OF COLDS, HEADACHE, AND LA GRIPPE. ROGERS BROS., Durham, N. C.
Filed April 7, 1927. Serial No. 247,101. PUBLISHED MAY 31, 1927. Class 6.

231,203. MOTION-PICTURE FILMS. METRO-GOLDWYN PICTURES CORPORATION, New York, N. Y.
Filed March 21, 1927. Serial No. 246,106. PUBLISHED MAY 31, 1927. Class 26.

231,204. BAKERS' MIXING MACHINES. THE CENTURY MACHINE COMPANY, Cincinnati and Oakley, Cincinnati, Ohio.
Filed April 8, 1927. Serial No. 247,122. PUBLISHED JUNE 7, 1927. Class 23.

231,205. BAKERS' MIXING AND TEMPERING MACHINES. THE CENTURY MACHINE COMPANY, Cincinnati and Oakley, Cincinnati, Ohio.
Filed April 8, 1927. Serial No. 247,123. PUBLISHED JUNE 7, 1927. Class 23.

231,206. REFRIGERATORS, REFRIGERATOR COUNTERS, BUTCHER COOLERS. HARRY S. CLEVELAND, doing business as Thorokold Refrigerator Co., Minneapolis, Minn.
Filed April 8, 1927. Serial No. 247,124. PUBLISHED JUNE 7, 1927. Class 31.

231,207. PETROLEUM-OIL BURNERS. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y.
Filed April 8, 1927. Serial No. 247,142. PUBLISHED MAY 31, 1927. Class 34.

231,208. PIG LEAD, CALKING LEAD, AND BAR LEAD. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y., and San Francisco, Calif.
Filed April 9, 1927. Serial No. 247,159. PUBLISHED JUNE 7, 1927. Class 14.

231,209. SALVE FOR THE TREATMENT OF TETTER, ECZEMA, AND ITCH. HARRISON CHEMICAL CO., Front Royal, Va.
Filed April 9, 1927. Serial No. 247,186. PUBLISHED MAY 31, 1927. Class 6.

231,210. CULTURE OF BACTERIA USED FOR INOCULATING SEEDS OF LEGUMINOUS PLANTS. MORRIS SCHERAGO, doing business as Southern Agricultural Supply Company, Lexington, Ky.
Filed April 9, 1927. Serial No. 247,216. PUBLISHED MAY 31, 1927. Class 10.

231,211. WHEAT FLOUR. THE WALNUT CREEK MILLING CO., Great Bend, Kans.
Filed April 9, 1927. Serial No. 247,230. PUBLISHED MAY 24, 1927. Class 46.

231,212. SHOCK ABSORBERS. SIMPLEX SHOCK ABSORBER COMPANY, Sharon, Pa.
Filed April 11, 1927. Serial No. 247,292. PUBLISHED JUNE 7, 1927. Class 19.

231,213. WOODWORKING MACHINES. AMERICAN SAW MILL MACHINERY COMPANY, Hackettstown, N. J.
Filed April 12, 1927. Serial No. 247,304. PUBLISHED MAY 31, 1927. Class 23.

231,214. CARD INDEXES, GUIDE CARDS FOR CARD INDEXES, CARDS, AND INDEXES. THE DURADEX COMPANY, New York, N. Y.
Filed April 13, 1927. Serial No. 247,364. PUBLISHED MAY 31, 1927. Class 37.

231,215. SHAMPOO. DYNAMIC CHEMICAL & MINERAL COMPANY, Chicago, Ill.
Filed April 14, 1927. Serial No. 247,417. PUBLISHED JUNE 7, 1927. Class 6.

231,216. CANDY. GEIGER CANDY COMPANY, Indianapolis, Ind.
Filed April 14, 1927. Serial No. 247,426. PUBLISHED JUNE 7, 1927. Class 46.

231,217. SALTED PEANUTS. EDWARD F. KEMP, doing business as Radio Nut Company, Somerville, Mass.
Filed April 14, 1927. Serial No. 247,439. PUBLISHED MAY 31, 1927. Class 46.

231,218. IRONING-BOARD COVERS. JORDAN MARSH COMPANY, Boston, Mass.
Filed April 15, 1927. Serial No. 247,481. PUBLISHED MAY 31, 1927. Class 24.

231,219. RUBBER INNER TUBES AND TIRES. THE GATES RUBBER COMPANY, Denver, Colo.
Filed April 16, 1927. Serial No. 247,535. PUBLISHED MAY 31, 1927. Class 35.

231,220. MATTRESSES. UNITED MFG. CO., INC., Portland, Oreg.
Filed April 18, 1927. Serial No. 247,648. PUBLISHED MAY 31, 1927. Class 32.

231,221. CANNED FISH AND SMOKED FISH. VAN CAMP SEA FOOD CO. INC., Terminal Island, Calif.
Filed April 18, 1927. Serial No. 247,649. PUBLISHED JUNE 7, 1927. Class 46.

231,222. GUMMED PAPER TAPE AND GUMMED CLOTH TAPE. WORTENDYKE MFG. CO., Richmond, Va.
Filed April 19, 1927. Serial No. 247,724. PUBLISHED MAY 31, 1927. Class 37.

231,223. HORSE FEED AND MULE FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,844. PUBLISHED MAY 31, 1927. Class 46.

231,224. DAIRY FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,846. PUBLISHED MAY 31, 1927. Class 46.

231,225. HORSE FEED AND MULE FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,847. PUBLISHED MAY 31, 1927. Class 46.

231,226. DAIRY FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,848. PUBLISHED MAY 31, 1927. Class 46.

231,227. HORSE FEED AND MULE FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,850. PUBLISHED MAY 31, 1927. Class 46.

231,228. HORSE FEED AND MULE FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,853. PUBLISHED MAY 31, 1927. Class 46.

231,229. POWDER USED FOR AN ACID CONDITION OF THE INTESTINES. THE TRIPHOSAL COMPANY, Philadelphia, Pa.
Filed April 26, 1927. Serial No. 248,024. PUBLISHED JUNE 7, 1927. Class 6.

231,230. RUBBER BELTING. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 27, 1927. Serial No. 248,038. PUBLISHED JUNE 7, 1927. Class 35.

231,231. NATURAL GAS. JOSEPH C. WHITFIELD, Palisades Park, N. J.
Filed April 27, 1927. Serial No. 248,071. PUBLISHED JUNE 7, 1927. Class 6.

231,232. PERFUMES. ALFRED MARTORY, Paris, France.
Filed April 28, 1927. Serial No. 248,108. PUBLISHED JUNE 7, 1927. Class 6.

231,233. PERFUMES. ALFRED MARTORY, Paris, France.
Filed April 28, 1927. Serial No. 248,111. PUBLISHED JUNE 7, 1927. Class 6.

231,234. PERFUMES. ALFRED MARTORY, Paris, France.
Filed April 28, 1927. Serial No. 248,113. PUBLISHED JUNE 7, 1927. Class 6.

231,235. BISCUITS. BREMNER BROS., Chicago, Ill.
Filed April 29, 1927. Serial No. 248,149. PUBLISHED JUNE 7, 1927. Class 46.

231,236. CANNED VEGETABLES. CUPP GROCERY COMPANY, Johnstown, Pa.
Filed April 29, 1927. Serial No. 248,160. PUBLISHED JUNE 7, 1927. Class 46.

231,237. SHEETINGS AND DRILLINGS. FRANKLIN MILLS, Greers, S. C.
Filed April 29, 1927. Serial No. 248,170. PUBLISHED MAY 31, 1927. Class 42.

231,238. CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. GORDON CANNING CORPORATION, Hoquiam, Wash.
Filed April 29, 1927. Serial No. 248,174. PUBLISHED JUNE 7, 1927. Class 46.

231,239. CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. GORDON CANNING CORPORATION, Hoquiam, Wash.
Filed April 29, 1927. Serial No. 248,175. PUBLISHED JUNE 7, 1927. Class 46.

231,240. GREEN COFFEE. J. ARON & COMPANY, INC., New York, N. Y.
Filed April 30, 1927. Serial No. 248,215. PUBLISHED JUNE 7, 1927. Class 46.

231,241. HOUSEHOLD INSECTICIDE. PAX MANUFACTURING COMPANY, New York, N. Y.
Filed April 30, 1927. Serial No. 248,248. PUBLISHED JUNE 7, 1927. Class 6.

231,242. PROPHYLACTIC AND GERMICIDE PREPARATIONS TO BE USED FOR INJECTION. VON DANCZ-FISHER, INC., New York, N. Y.
Filed December 31, 1926. Serial No. 242,259. PUBLISHED JUNE 7, 1927. Class 6.

231,243. PROPHYLACTIC AND GERMICIDE PREPARATIONS TO BE USED FOR INJECTION. VON DANCZ-FISHER, INC., New York, N. Y.
Filed December 31, 1926. Serial No. 242,260. PUBLISHED JUNE 7, 1927. Class 6.

231,244. FALSE TEETH, DENTURES, AND RESTORATIONS. LEONARD B. GALHOUSE, Chicago, Ill.
Filed January 3, 1927. Serial No. 242,287. PUBLISHED JUNE 7, 1927. Class 44.

231,245. COAL EXCEPT SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed January 3, 1927. Serial No. 242,308. PUBLISHED MAY 17, 1927. Class 1.

231,246. HOSIERY. J. CABIN & CO., INC., New York, N. Y.
Filed January 6, 1927. Serial No. 242,412. PUBLISHED APRIL 19, 1927. Class 39.

231,247. TAILORS' ALL-LINEN CANVAS IN THE PIECE. JAMES F. WHITE & CO. INC., New York, N. Y.
Filed January 11, 1927. Serial No. 242,699. PUBLISHED MAY 31, 1927. Class 42.

231,248. TEXTILE-FABRIC UNDERWEAR FOR MEN AND CHILDREN. MCLOUGHLIN MANUFACTURING COMPANY, Indianapolis, Ind.
Filed January 13, 1927. Serial No. 242,789. PUBLISHED MAY 17, 1927. Class 39.

231,249. PUTTIES. PLASTIC PRODUCTS COMPANY, Detroit, Mich.
Filed January 15, 1927. Serial No. 242,905. PUBLISHED MAY 24, 1927. Class 16.

231,250. COFFEE. BERNARD H. KARMEN, doing business as Hawaiian Coffee Planters, Honolulu, Territory of Hawaii, assignor to Hawaiian Packing Company Ltd., Hilo, Territory of Hawaii.
Filed January 17, 1927. Serial No. 242,940. PUBLISHED JUNE 7, 1927. Class 46.

231,251. HOSIERY. FRANK R. JELLEFF, INC., Washington, D. C.
Filed January 18, 1927. Serial No. 242,996. PUBLISHED MAY 24, 1927. Class 39.

231,252. SIGNAL DEVICES IN THE NATURE OF SOUND-PRODUCING APPARATUS OF THE VIBRATORY TYPE OPERATED BY PNEUMATIC MEANS AND PARTS THEREOF. COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France.
Filed January 20, 1927. Serial No. 243,083. PUBLISHED JUNE 7, 1927. Class 23.

231,253. HOSIERY. BAKER-MOISE COMPANY, Dallas, Tex.
Filed January 21, 1927. Serial No. 243,128. PUBLISHED MAY 17, 1927. Class 39.

231,254. COSMETICS AND TOILET PREPARATIONS—NAMELY, PERFUMES, FACE TALCUM, SACHET POWDERS, TOILET AND ASTRINGENT WATERS, FACE ROUGE AND LIP ROUGE, COLD CREAM, FACE AND HAND LOTIONS AND POMADES FOR APPLICATION TO THE SKIN, DENTIFRICES, DEPILATORY, NAIL PREPARATIONS, SHAMPOO, EYEBROW PENCILS, HAIR TONICS, BATH SALTS, SMELLING SALTS, AND BRILLIANTINE. BIROTO, PERFUMER, New York, N. Y.
Filed January 21, 1927. Serial No. 243,248. PUBLISHED JUNE 7, 1927. Class 6.

231,255. DRESS, NEGLIGEE, AND WORK SHIRTS, COLLARS, BLOUSES, KNIT UNDERWEAR FOR WOMEN, MEN, AND CHILDREN, AND PYJAMAS. SIMON-ROSENBERG SHIRT CORP., New York, N. Y.
Filed January 26, 1927. Serial No. 243,593. PUBLISHED MAY 24, 1927. Class 39.

231,256. SALINE ELIMINANTS. CRYSTAL CARBONIC LABORATORY, Atlanta, Ga.
Filed March 17, 1927. Serial No. 245,805. PUBLISHED MAY 24, 1927. Class 6.

231,257. VALVES AND FAUCETS. MUELLER CO., Decatur, Ill.
Filed February 18, 1927. Serial No. 244,567. PUBLISHED JUNE 7, 1927. Class 13.

231,258. PORTLAND CEMENT. WARRIOR CEMENT CORPORATION, Spocari, Ala., and Chattanooga, Tenn.
Filed February 18, 1927. Serial No. 244,583. PUBLISHED MAY 24, 1927. Class 12.

231,259. TOILET ARTICLES—NAMELY, FACE POWDER, TALCUM POWDER, AND TOILET POWDER. LES PARFUMS DR ROSINE, INC., New York, N. Y.
Filed February 19, 1927. Serial No. 244,616. PUBLISHED JUNE 7, 1927. Class 6.

231,260. DRIED BEANS. CHATTERTON & SON, Lansing, Mich.
Filed February 21, 1927. Serial No. 244,667. PUBLISHED MAY 31, 1927. Class 46.

231,261. CANDY. JOSEPH S. AUERBACH, doing business as D. Auerbach & Sons, New York, N. Y.
Filed February 23, 1927. Serial No. 244,736. PUBLISHED MAY 31, 1927. Class 46.

231,262. FRESH, CANNED, DRIED FISH, SMOKED, SALTED, AND FROZEN FISH. RIPLEY FISH CO., INC., Seattle, Wash.
Filed February 23, 1927. Serial No. 244,788. PUBLISHED MAY 31, 1927. Class 46.

231,263. FRESH CITROUS FRUITS. VALENTINE FRUIT CO., Anaheim, Calif.
Filed February 23, 1927. Serial No. 244,804. PUBLISHED JUNE 7, 1927. Class 46.

231,264. HAND MIRRORS AND PICTURE FRAMES. DU PONT VISCOLOID COMPANY, New York, N. Y.
Filed February 24, 1927. Serial No. 244,818. PUBLISHED MAY 31, 1927. Class 32.

231,265. TOILET ARTICLES MADE FROM A PYROXYLIN PLASTIC ANALOGOUS TO CELLULOID, XYLONITE, AND ZYLONITE, COMPRISING CONTAINERS FOR JEWELS, PINS, PUFFS, TALCUM POWDER, TOOTH PASTE, TOOTHBRUSHES, HAIR RECEIVERS, BRUSH BOXES, BUD VASES, HATPIN HOLDERS, AND RECEPTACLES FOR PERFUME BOTTLES. DU PONT VISCOLOID COMPANY, New York, N. Y.
Filed February 24, 1927. Serial No. 244,819. PUBLISHED JUNE 7, 1927. Class 2.

231,266. RUBBER BOOTS AND SHOES AND RUBBER OVERSHOES. THE MILLER RUBBER COMPANY, Akron, Ohio.
Filed February 24, 1927. Serial No. 244,886. PUBLISHED MAY 24, 1927. Class 39.

231,267. HOSIERY. WILBUR E. A. FRERICHS, doing business as WEAF HOSIERY COMPANY, New York, N. Y.
Filed February 28, 1927. Serial No. 244,999. PUBLISHED MAY 17, 1927. Class 39.

231,268. OLIVE OIL. CAPSALIS BROTHERS, New York, N. Y.
Filed March 25, 1927. Serial No. 246,330. PUBLISHED MAY 31, 1927. Class 46.

231,269. FRESH CITROUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, LEMONS, AND LIMES. OCALA FRUIT PACKING COMPANY, INC., Ocala, Fla.
Filed April 1, 1927. Serial No. 246,768. PUBLISHED JUNE 7, 1927. Class 46.

231,270. KNIT HOSIERY. MAX PFAU HOSIERY MILL INC., Reading, Pa.
Filed April 1, 1927. Serial No. 246,769. PUBLISHED MAY 24, 1927. Class 39.

231,271. WRITING INK. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed April 2, 1927. Serial No. 246,805. PUBLISHED JUNE 7, 1927. Class 11.

231,272. TEXTILE SHEETS AND PILLOWCASES. ANDROSCOGGIN MILLS, Lewiston, Me.
Filed April 2, 1927. Serial No. 246,807. PUBLISHED MAY 31, 1927. Class 42.

231,273. OIL AND GASOLINE METERS. S. F. BOWSER & COMPANY, INC., Fort Wayne, Ind.
Filed April 2, 1927. Serial No. 246,812. PUBLISHED JUNE 7, 1927. Class 26.

231,274. WHEAT FLOUR. DIXIE-PORTLAND FLOUR CO., doing business as Altenburg Roller Mills, Memphis, Tenn.
Filed April 2, 1927. Serial No. 246,822. PUBLISHED MAY 31, 1927. Class 46.

231,275. AUTOMOBILE AND FURNITURE POLISH. MCKESSON & ROBBINS, INCORPORATED, Bridgeport, Conn.
Filed April 2, 1927. Serial No. 246,841. PUBLISHED JUNE 7, 1927. Class 16.

231,276. MACHINES FOR BAKERIES AND CONFECTIONERIES, PARTICULARLY KNEADING MACHINES AND MACHINES FOR MIXING, AND PARTS OF SUCH MACHINES. F. AESCHBACH, S. A., Aarau, Switzerland.
Filed April 4, 1927. Serial No. 246,878. PUBLISHED JUNE 7, 1927. Class 23.

231,277. OUTER CLOTHING FOR MEN, BOYS, AND CHILDREN—NAMELY, OVERCOATS, TOPCOATS, TROUSERS, VESTS, AND JACKETS. M. HAUPTMAN, INC., New York, N. Y.
Filed April 4, 1927. Serial No. 246,901. PUBLISHED MAY 24, 1927. Class 39.

231,278. MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, AND SUITS. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa.
Filed April 4, 1927. Serial No. 246,919. PUBLISHED MAY 24, 1927. Class 39.

231,279. MEN'S AND YOUNG MEN'S SUITS. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa.
Filed April 4, 1927. Serial No. 246,920. PUBLISHED MAY 24, 1927. Class 39.

231,280. AUTOMOBILE TOP DRESSING. STANDARD INSULATION COMPANY, Rutherford, N. J.
Filed April 4, 1927. Serial No. 246,987. PUBLISHED JUNE 7, 1927. Class 4.

231,281. RUBBER SOLES FOR SHOES AND RUBBER HEELS FOR SHOES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed April 5, 1927. Serial No. 246,980. PUBLISHED MAY 24, 1927. Class 39.

231,282. STORAGE-BATTERY SOLUTION. WILLIAM J. BAILEY, doing business as The Morlife Company, Cleveland, Ohio.
Filed April 6, 1927. Serial No. 246,998. PUBLISHED JUNE 7, 1927. Class 6.

231,283. WASHING MACHINES. FRED-EISEMANN RADIO CORPORATION, New York, N. Y.
Filed April 6, 1927. Serial No. 247,009. PUBLISHED MAY 31, 1927. Class 24.

231,284. GAUGE GLASS. JOHN MONCRIEFF, LIMITED, Perth, Scotland.
Filed April 6, 1927. Serial No. 247,022. PUBLISHED JUNE 7, 1927. Class 26.

231,285. LIQUID CLEANING COMPOUND FOR CLEANING THE SURFACE OF GLASS, PORCELAIN, ENAMEL, ETC., AND POWDERED DRY CLEANER. KEEWAUGAN PRODUCTS CO. INC., North Chicago, Ill.
Filed April 6, 1927. Serial No. 247,024. PUBLISHED JUNE 7, 1927. Class 4.

231,286. ANTISEPTIC THROAT PELLETS. NORTHROP & LYMAN CO., INC., Buffalo, N. Y.
Filed April 6, 1927. Serial No. 247,035. PUBLISHED JUNE 7, 1927. Class 6.

231,287. COMPOUND FOR THE TREATMENT OF PULMONARY DISEASES. ALEXANDER LATOUR, doing business as A. Latour, Chicago, Ill.
Filed April 14, 1926. Serial No. 230,177. PUBLISHED JUNE 7, 1927. Class 6.

231,288. COW FEED. CITY MILLS COMPANY, Columbus, Ga.
Filed December 29, 1926. Serial No. 242,093. PUBLISHED JUNE 7, 1927. Class No. 46.

231,289. FRESH AND CANNED PEACHES AND CUCUMBERS IN THEIR NATURAL STATE. DEL-BAY FARMS, INC., Bridgeton, N. J.
Filed April 15, 1926. Serial No. 230,229. PUBLISHED JUNE 7, 1927. Class 46.

231,290. TEXTILE UPHOLSTERY PADDING MADE IN THE PIECE. D. ROY F. FOWLER, doing business as Fowler Batting & Fibre Mills, Philadelphia, Pa.
Filed April 24, 1926. Serial No. 230,664. PURLISHED MAY 31, 1927. Class 42.

231,291. SMOKED AND CURED MEATS, PARTICULARLY SUGAR-CURED HAMS AND SUGAR-CURED PICNICS. KINGAN & CO. INCORPORATED, Indianapolis, Ind.
Filed April 24, 1926. Serial No. 230,673. PUBLISHED MAY 31, 1927. Class 46.

231,292. LINIMENT. RALPH RUBIN, doing business as Lubin's Pionier Medicine Company, Chicago, Ill.
Filed April 28, 1926. Serial No. 230,846. PUBLISHED JUNE 7, 1927. Class 6.

231,293. CRUSHED OR GROUND DIATOMACEOUS EARTH IN NATURAL, DRIED, OR CALCINED CONDITION; PULVERULENT COMPOSITIONS CONTAINING DIATOMACEOUS EARTH AND AGGREGATES COMPRISING AND CONTAINING NATURAL DRIED, OR CALCINED DIATOMACEOUS EARTH FOR USE WITH HYDRAULIC CEMENT, GYPSUM BITUMEN, AND OTHER BINDERS OR COMBINED THEREWITH TO FORM WALL BOARD, WALLS, PAVING, AND OTHER STRUCTURES. THE CELITE COMPANY, Los Angeles, Calif.
Filed May 10, 1926. Serial No. 231,366. PUBLISHED JUNE 7, 1927. Class 12.

231,294. RELIGIOUS ARTICLES—NAMELY, HOUSE ALTARS, FONTS TO CONTAIN HOLY WATER, AND CRUCIFIXES AND CROSSES—NOT MADE OF PRECIOUS METALS. EUHARD & SÖHNE A. G., Schwabisch Gmund, Germany.
Filed May 18, 1926. Serial No. 231,797. PUBLISHED JUNE 7, 1927. Class 50.

231,295. CANNED VEGETABLES, CANNED BERRIES, CANNED FRUIT, SOLID PACKED CANNED PIE SQUASH, CANNED TOMATOES WITH PURÉE FROM TRIMMINGS, CANNED WHOLE CLAMS AND TOMATO CATCHUP, CANNED HOMINY, AND CANNED SAUERKRAUT. SCHWABACHER BROS. & CO., INC., Seattle, Wash.
Filed May 28, 1926. Serial No. 232,433. PUBLISHED MAY 31, 1927. Class 46.

231,296. INNER TUBES FOR VEHICLE TIRES. LEE RUBBER & TIRE CORPORATION, Conshohocken, Pa.
Filed May 29, 1926. Serial No. 232,498. PUBLISHED DECEMBER 21, 1926. Class 35.

231,297. PLUMBING SPECIALTIES—NAMELY, SINK FAUCETS, SWING SPOUTS, AND ADJUSTABLE FLANGES. REPUBLIC BRASS AND MANUFACTURING COMPANY, Los Angeles, Calif.
Filed June 10, 1926. Serial No. 233,329. PUBLISHED JUNE 7, 1927. Class 13.

231,298. WHEAT FLOUR. COMMANDER MILL COMPANY, Minneapolis, Minn., assignor to Commander Milling Company, Minneapolis, Minn., a Corporation of Minnesota.
Filed June 28, 1926. Serial No. 233,812. PUBLISHED MAY 31, 1927. Class 46.

231,299. CANNED GOODS—NAMELY, CANNED MILK. C. W. ZARING, doing business as C. W. Zaring & Co., Jacksonville, Fla.
Filed July 8, 1926. Serial No. 234,328. PUBLISHED NOVEMBER 23, 1926. Class 46.

231,300. CLOTHES EXTRACTORS, COLLAR SHAPERS, COLLAR AND CUFF IRONING MACHINES, CLOTHES TUMBLERS, CLOTHES DRIERS, AND CLOTHES COOKERS. WILLEY-ELLIS COMPANY, Philadelphia, Pa.
Filed July 21, 1926. Serial No. 234,887. PUBLISHED JUNE 7, 1927. Class 24.

231,301. COFFEE AND TEA. THOMAS J. WEBB CO., Chicago, Ill.
Filed July 27, 1926. Serial No. 235,240. PUBLISHED JUNE 7, 1927. Class 46.

231,302. ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC MEDICINES. THE BAYER COMPANY, INC., New York, N. Y.
Filed August 12, 1926. Serial No. 235,875. PUBLISHED MAY 31, 1927. Class 6.

231,303. ANTIRHEUMATIC, ANALGESIC, AND ANTIPYRETIC MEDICINES. THE BAYER COMPANY, INC., New York, N. Y.
Filed August 12, 1926. Serial No. 235,876. PUBLISHED MAY 31, 1927. Class 6.

231,304. CLASSIFIED TELEPHONE DIRECTORIES PUBLISHED ANNUALLY AND SEMIANNUALLY. CLASSIFIED TELEPHONE DIRECTORIES CORPORATION, New York, N. Y.
Filed August 19, 1926. Serial No. 236,157. PUBLISHED NOVEMBER 30, 1926. Class 38.

231,305. WOMEN'S APPAREL—NAMELY, LINGERIE, TO WIT, VESTS, STEP-INS, BLOOMERS, TEDDIES, SLIPS, NIGHTGOWNS, NEGLIGEES (LOUNGING ROBES), BRASSIÈRES, AND PYJAMAS ALL MADE OF CRÊPE DE CHINE, GEORGETTE CREPE, SATIN, AND RAYON TEXTILE AND KNITTED FABRICS, TEA GOWNS, MADE OF SILK, AND SMOCKS AND NURSES' UNIFORMS MADE OF COTTON AND LINEN. SAM ROSENBERG & CO., Los Angeles, Calif.
Filed August 23, 1926. Serial No. 236,339. PUBLISHED MAY 17, 1927. Class 39.

231,306. PRINTING PLATES AND PHOTO FILMS. JEFFERY WHITE STUDIO, INC., Detroit, Mich.
Filed September 4, 1926. Serial No. 236,895. PUBLISHED JUNE 7, 1927. Class 26.

231,307. SKIN-BLEACHING CREAM. CORA H. SHAW, doing business as Qick Chemical Co., Los Angeles, Calif.
Filed September 7, 1926. Serial No. 236,965. PUBLISHED JUNE 7, 1927. Class 6.

231,308. WOVEN-IRON-WIRE KITCHEN STRAINERS AND FRY BASKETS. HAMBLIN & RUSSELL MANUFACTURING COMPANY, INC., Worcester, Mass.
Filed August 24, 1926. Serial No. 236,371. PUBLISHED MAY 31, 1927. Class 13.

231,309. DYES OF VARIOUS COLORS USED FOR DYEING FABRICS. TEDDY TINTS, INC., Camden, N. J.
Filed March 5, 1927. Serial No. 245,306. PUBLISHED JUNE 7, 1927. Class 6.

231,310. ASPHALT USED FOR CEMENTING MATERIALS. LEWIS ASPHALT ENGINEERING CORPORATION, New York, N. Y.
Filed March 7, 1927. Serial No. 245,356. PUBLISHED MAY 24, 1927. Class 12.

231,311. LIQUID SHOE CLEANER AND POLISH. TOR-TIS COMPANY INCORPORATED, Detroit, Mich.
Filed March 7, 1927. Serial No. 245,382. PUBLISHED JUNE 7, 1927. Class 4.

231,312. A PRODUCT MADE FROM GRAINS AND FRUITS ADAPTED FOR USE AS A BREAKFAST CEREAL OR FOR MAKING A COFFEE-SUBSTITUTE BEVERAGE OR FOR MAKING A FLAVORING SIRUP. THE KOPA CORPORATION, Fort Worth, Tex.
Filed March 8, 1927. Serial No. 245,400. PUBLISHED MAY 24, 1927. Class 46.

231,313. OIL SEPARATORS. THE NATIONAL PIPE BENDING COMPANY, New Haven, Conn.
Filed April 9, 1926. Serial No. 229,925. PUBLISHED JUNE 7, 1927. Class 23.

231,314. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,331. PUBLISHED MAY 17, 1927. Class 12.

231,315. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,332. PUBLISHED MAY 17, 1927. Class 12.

231,316. WORK SHIRTS. A. B. FRANK COMPANY, San Antonio, Tex.
Filed February 14, 1927. Serial No. 244,354. PUBLISHED MAY 24, 1927. Class 39.

231,317. GLAZING MATERIAL FOR USE IN COATING THE SURFACE OF BRICKS, BUILDING BLOCKS, AND ANALOGOUS OBJECTS. W. E. DUNN MANUFACTURING CO., Holland, Mich.
Filed February 15, 1927. Serial No. 244,397. PUBLISHED JUNE 7, 1927. Class 12.

231,318. ROOFING TILE AND FLOORING TILE. W. E. DUNN MANUFACTURING CO., Holland, Mich.
Filed February 15, 1927. Serial No. 244,398. PUBLISHED MAY 24, 1927. Class 12.

231,319. READY-MIXED PAINT, FLOOR WAX, ENAMEL PAINT, PIGMENTED VARNISH OR OIL STAIN, AND VARNISH FINISH. JOHN LUCAS AND COMPANY, INCORPORATED, Philadelphia, Pa.
Filed February 16, 1927. Serial No. 244,448. PUBLISHED MAY 31, 1927. Class 16.

231,320. MEN'S SOCKS, MEN'S SHOES AND SLIPPERS OF LEATHER, UNDERWEAR OF TEXTILE MATERIAL, AND PYJAMAS, NEGLIGEE SHIRTS; BATH, LOUNGING, AND SMOKING ROBES; HATS, CAPS, NECKTIES, AND COLLARS. A. GARFUNKEL & CO., INC., New York, N. Y.
Filed February 18, 1927. Serial No. 244,553. PUBLISHED MAY 24, 1927. Class 39.

231,321. MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS. LUCKY STRIPE TAILORING CO., New York, N. Y.
Filed February 18, 1927. Serial No. 244,562. PUBLISHED MAY 3, 1927. Class 39.

231,322. VALVES AND LOCKS. MUELLER CO., Decatur, Ill.
Filed February 18, 1927. Serial No. 244,566. PUBLISHED JUNE 7, 1927. Class 13.

231,323. CRACK-SEALING WAX FOR CONCRETE RESERVOIRS AND THE LIKE. EUGENE R. ODEN, doing business as Waterproof Paint Company, Lankershim, Calif.
Filed September 15, 1926. Serial No. 237,278. PUBLISHED JUNE 7, 1927. Class 12.

231,324. CANNED FRUITS. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed September 20, 1926. Serial No. 237,481. PUBLISHED MAY 31, 1927. Class 46.

231,325. OPHTHALMIC LENSES AND FRAMES AND MOUNTINGS THEREFOR. JOSEPH SCADRON, New York, N. Y., assignor to U. S. Bifocal Corporation, New York, N. Y., a Corporation of New York.
Filed September 27, 1926. Serial No. 237,822. PUBLISHED JUNE 7, 1927. Class 26.

231,326. COOLING AND CONDENSING APPARATUS—NAMELY, STEAM CONDENSERS, VAPOR CONDENSERS, AIR COOLERS, AND GAS COOLERS. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed September 30, 1926. Serial No. 237,945. PUBLISHED JUNE 7, 1927. Class 23.

231,327. LIQUID-FUEL BURNERS FOR USE IN CONNECTION WITH WARM AIR, HOT WATER, STEAM, AND OTHER HEATING APPARATUS. THE NU-WAY CORPORATION, Rock Island, Ill.
Filed October 4, 1926. Serial No. 238,182. PUBLISHED JUNE 7, 1927. Class 34.

231,328. COTTON AND SILK AND COTTON MIXTURES IN THE PIECE. EDWIN LICHTIG, New York, N. Y.
Filed October 9, 1926. Serial No. 238,381. PUBLISHED MAY 31, 1927. Class 42.

231,329. UNDERDRAIN TILE, DRAINTILE, FLUE LINING, SEWER PIPE FABRICATED FROM CLAY, WALL COPING. WHAT CHEER CLAY PRODUCTS COMPANY, What Cheer, Iowa.
Filed October 11, 1926. Serial No. 238,471. PUBLISHED MAY 24, 1927. Class 12.

231,330. TEXTILE RUGS AND CARPETS. O. DONELIAN & CO., INC., New York, N. Y.
Filed October 14, 1926. Serial No. 238,573. PUBLISHED MAY 31, 1927. Class 42.

231,331. TEXTILE RUGS AND CARPETS. O. DONELIAN & CO., INC., New York, N. Y.
Filed October 14, 1926. Serial No. 238,574. PUBLISHED MAY 31, 1927. Class 42.

231,332. STOVES AND RANGES FOR BURNING COAL AND WOOD. THE W. J. LOTH STOVE COMPANY, INC., Waynesboro, Va.
Filed October 18, 1926. Serial No. 238,795. PUBLISHED MAY 31, 1927. Class 34.

231,333. PRESERVED FRUITS—NAMELY, PINEAPPLE JAM, POHA JAM, GUAVA JELLY, GUAVA JAM, AND NECTAR (CONSISTING OF A MIXTURE OF PRESERVED PINEAPPLE, PAPAYA, AND MELON SWEETENED WITH SUGAR). BERNARD H. KARMEN, Honolulu, Territory of Hawaii, assignor to Hawaiian Packing Company, Ltd., Hilo, Territory of Hawaii.
Filed October 25, 1926. Serial No. 239,179. PUBLISHED JUNE 7, 1927. Class 46.

231,334. UPHOLSTERED HOUSEHOLD CHAIRS AND HOUSEHOLD TABLES, UPHOLSTERED SOFAS; UPHOLSTERED WING, ARM, SHOW WOOD CHAIRS; CHAISE LONGUES; UPHOLSTERED SIDE, SLIPPER, AND ROCKING CHAIRS. POLLY PARSONS, INC., Pelham, N. Y.
Filed November 5, 1926. Serial No. 239,719. PUBLISHED JUNE 7, 1927. Class 32.

231,335. LIQUID ANTISEPTIC AND MOUTH WASH FOR MEMBRANES OF THE THROAT AND MOUTH. M. B. PICKER, New York, N. Y.
Filed November 8, 1926. Serial No. 239,823. PUBLISHED MAY 31, 1927. Class 6.

231,336. FURNITURE—NAMELY, TABLES, DRESSING TABLES, NIGHT TABLES, SERVING TABLES, BUREAUS, CHIFFONIERS, SIDEBOARDS, COMMODES, CHINA CABINETS, BEDS, SOFAS, SETTEES, BENCHES, CHAISE LONGUES, CHAIRS, DESKS, MIRRORS, SCREENS, BOOKCASES, BOOK ENDS, BOOK CARRIERS, PICTURE FRAMES. COMPANY OF MASTER CRAFTSMEN, INC., Flushing, N. Y.
Filed November 11, 1926. Serial No. 239,920. PUBLISHED JUNE 7, 1927. Class 32.

231,337. DRIED FRUITS. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed November 15, 1926. Serial No. 240,102. PUBLISHED MAY 31, 1927. Class 46.

231,338. COTTON PIECE GOODS. C. M. & H. LONDON & Co., New York, N. Y.
Filed November 20, 1926. Serial No. 240,358. PUBLISHED MAY 31, 1927. Class 42.

231,339. CANDY AND CANDY BARS. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed November 24, 1926. Serial No. 240,538. PUBLISHED MAY 31, 1927. Class 46.

231,340. GALLERY RISER VENTS FOR AUDITORIUMS. KNOWLES MUSHROOM VENTILATOR CO., New York, N. Y.
Filed December 3, 1926. Serial No. 240,916. PUBLISHED MAY 31, 1927. Class 34.

231,341. WATERPROOFING COMPOSITION FOR LEATHER. NORWEGIAN LEATHER WATER-PROOFING COMPANY, St. Paul, Minn.
Filed December 4, 1926. Serial No. 240,993. PUBLISHED MAY 31, 1927. Class 4.

231,342. MEN'S WOVEN AND KNITTED UNDERWEAR. CARSON PIRIE SCOTT & Co., Chicago, Ill.
Filed December 7, 1926. Serial No. 241,089. PUBLISHED MAY 3, 1927. Class 39.

231,343. A NERVE TONIC. AKTIENGESELLSCHAFT HOMMEL'S HAEMATOGEN, Zurich, Switzerland.
Filed December 16, 1926. Serial No. 241,553. PUBLISHED JUNE 7, 1927. Class 6.

231,344. METAL POLISH, AUTO TOP DRESSING, ENAMEL CLEANER, AND AUTO CLEANER. GARDNER MANUFACTURING CO., Los Angeles, Calif.
Filed December 22, 1926. Serial No. 241,819. PUBLISHED MAY 31, 1927. Class 4.

231,345. SALT. LESLIE-CALIFORNIA SALT CO., San Francisco, Calif.
Filed December 27, 1926. Serial No. 242,012. PUBLISHED MAY 31, 1927. Class 6.

231,346. SPONGE CUPS WITH AND WITHOUT SPONGES. SENGBUSCH SELF-CLOSING INKSTAND COMPANY, Milwaukee, Wis.
Filed December 27, 1926. Serial No. 242,025. PUBLISHED MAY 31, 1927. Class 37.

231,347. EAU DE COLOGNE WATER, PERFUMERY, HAIR TONICS, SHAMPOO, POMADE, BRILLIANTINE, COLD CREAM, VANISHING CREAM, ROUGE, FACE POWDER, BABY POWDER, AFTER-SHAVING LOTION, TOOTH PASTE, MOUTH WASH, HEAD TONICS, ETHEREAL OILS FOR PERFUMES. PAUL PETER MÜLHENS, doing business under the name Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Köln a/Rhein, Cologne-on-the-Rhine, Germany.
Filed December 28, 1926. Serial No. 242,051. PUBLISHED JUNE 7, 1927. Class 6.

231,348. SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS AND THE COMPONENT PARTS OF SUCH APPARATUS. THE VITAPHONE CORPORATION, New York, N. Y.
Filed July 31, 1926. Serial No. 235,441. PUBLISHED JUNE 21, 1927. Class 26.

231,349. WALL BOARD. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y.
Filed March 24, 1924. Serial No. 194,329. PUBLISHED JUNE 7, 1927. Class 12.

231,350. GAS-BURNING WATER HEATERS, AIR AND GAS MIXERS FOR GAS-BURNING DEVICES, GAS-FIRED STEAM BOILERS; FURNACES—NAMELY, GAS-FIRED FURNACES FOR DOMESTIC AND INDUSTRIAL PURPOSES; AND PARTS AND APPLIANCES USED ON THE FOREGOING. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed January 11, 1926. Serial No. 225,803. PUBLISHED MAY 31, 1927. Class 34.

231,351. TRIMMED HATS FOR WOMEN AND CHILDREN. OGUR, RABINOVICH AND OGUR, INC., assignor to Madelon Modes, Inc., a Corporation of New York, New York, N. Y.
Filed August 20, 1924. Serial No. 201,675. PUBLISHED MAY 24, 1927. Class 39.

231,352. FARM SEEDS SUCH AS ALFALFA, SWEET CLOVER, SOY BEANS, CORN, WHEAT, OATS, BARLEY, FLAX, MILLETS, SORGHUMS, AND GRASS SEEDS. THE SOUTH DAKOTA CROP IMPROVEMENT ASSOCIATION, Brookings, S. Dak.
Filed January 5, 1926. Serial No. 225,525. PUBLISHED MAY 17, 1927. Class 1.

231,353. BLANK BOOKS AND BLANK FORMS INCLUDING CHECK BOOKS, BANK ACCOUNTS, JOURNALS, LEDGERS, AND ALL OFFICE RECORD AND ACCOUNT BOOKS. GEORGE M. SCHAFF, Cleveland, Ohio.
Filed March 20, 1925. Serial No. 211,379. PUBLISHED MAY 31, 1927. Class 37.

231,354. PORTABLE LUBRICATING APPARATUS. LINCOLN STEEL & FORGE COMPANY, St. Louis, Mo.
Filed February 5, 1926. Serial No. 226,905. PUBLISHED JUNE 7, 1927. Class 23.

231,355. PORTLAND-CEMENT-BASE FLOORING MATERIAL. MADE-RITE PRODUCTS CO., St. Louis, Mo.
Filed July 23, 1925. Serial No. 217,793. PUBLISHED MARCH 2, 1926. Class 12.

231,356. CORK PIPE, CORK BOARD, AND CORK TILE. CORK IMPORT CORPORATION, New York, N. Y.
Filed February 17, 1926. Serial No. 227,397. PUBLISHED MAY 24, 1927. Class 12.

231,357. CORK PIPE, CORK BOARD, AND CORK TILE. CORK IMPORT CORPORATION, New York, N. Y.
Filed February 17, 1926. Serial No. 227,398. PUBLISHED MAY 24, 1927. Class 12.

231,358. CORK PIPE, CORK BOARD, AND CORK TILE. CORK IMPORT CORPORATION, New York, N. Y.
Filed February 17, 1926. Serial No. 227,399. PUBLISHED MAY 24, 1927. Class 12.

231,359. CANDY. THE BISSINGER CANDY COMPANY, Cincinnati, Ohio.
Filed February 18, 1926. Serial No. 227,435. PUBLISHED JUNE 7, 1927. Class 46.

231,360. DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES, AND LACQUERS. HELMUTH REICHHOLD, doing business as Beck-Koller & Company, Detroit, Mich.
Filed February 18, 1926. Serial No. 227,475. PUBLISHED MAY 31, 1927. Class 16.

231,361. MEN'S AND BOYS' SUITS AND OVERCOATS. HENRY SONNEBORN COMPANY, INC., Baltimore, Md.
Filed February 25, 1926. Serial No. 227,793. PUBLISHED MAY 17, 1927. Class 39.

231,362. FLEXIBLE METALLIC PACKING. EUREKA PACKING CO., New York, N. Y.
Filed March 20, 1926. Serial No. 228,897. PUBLISHED JUNE 7, 1927. CLASS 35.

231,363. PROTECTED METAL SHEETS FOR BUILDING CONSTRUCTIONS. H. H. ROBERTSON COMPANY, Pittsburgh, Pa.
Filed March 20, 1926. Serial No. 228,937. PUBLISHED MAY 24, 1927. Class 12.

231,364. TRIMMING MACHINES FOR TRIMMING AND FINISHING ELECTROTYPE AND STEREOTYPE PRINTING PLATES. R. HOE & CO., INC., New York, N. Y.
Filed April 1, 1926. Serial No. 229,512. PUBLISHED JUNE 7, 1927. Class 23.

231,365. REVOLVERS AND SHOTGUNS. IVER JOHNSON'S ARMS & CYCLE WORKS, Fitchburg, Mass.
Filed April 3, 1926. Serial No. 229,633. PUBLISHED MAY 31, 1927. Class 9.

231,366. CABS FOR AUTOMOTIVE VEHICLES. THE METROPOLITAN BODY COMPANY, Bridgeport, Conn.
Filed April 6, 1926. Serial No. 229,747. PUBLISHED JUNE 7, 1927. Class 19.

231,367. VIBRATORY APPARATUS FOR PACKING THE CONTENTS IN CONTAINERS SUCH AS BAGS, BARRELS, AND THE LIKE. B. F. GUMP Co., Chicago, Ill.
Filed April 9, 1926. Serial No. 229,908. PUBLISHED JUNE 7, 1927. Class 28.

231,368. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed March 28, 1927. Serial No. 246,511. PUBLISHED JUNE 7, 1927. Class 19.

231,369. ICE-CREAM-CONE SERVERS. THE F. C. TRAVER PAPER COMPANY, Chicago, Ill.
Filed March 28, 1927. Serial No. 246,514. PUBLISHED MAY 31, 1927. Class 2.

231,370. ITCH MEDICINE. AUGUSTUS N. APGAR, Miami, Fla.
Filed March 29, 1927. Serial No. 246,526. PUBLISHED JUNE 7, 1927. Class 6.

231,371. GLASS ELECTRIC-LIGHT GLOBES. THE COMMERCIAL LIGHTING CORPORATION, Beaver Falls, Pa.
Filed March 29, 1927. Serial No. 246,529. PUBLISHED MAY 31, 1927. Class 33.

231,372. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed March 29, 1927. Serial No. 246,538. PUBLISHED MAY 24, 1927. Class 39.

231,373. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed March 29, 1927. Serial No. 246,539. PUBLISHED MAY 24, 1927. Class 39.

231,374. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed March 29, 1927. Serial No. 246,540. PUBLISHED MAY 24, 1927. Class 39.

231,375. GLASS FOOTED GOBLETS. THE FEDERAL GLASS COMPANY, Columbus, Ohio.
Filed March 29, 1927. Serial No. 246,541. PUBLISHED MAY 31, 1927. Class 33.

231,376. GLASS FOOTED GOBLETS. THE FEDERAL GLASS COMPANY, Columbus, Ohio.
Filed March 29, 1927. Serial No. 246,542. PUBLISHED MAY 31, 1927. Class 33.

231,377. CERAMIC TILES, SURFACINGS, NOSINGS, RAILINGS, AND WALL FACINGS. FRIEDRICHSEN FLOOR & WALL TILE CO., Independence, Mo.
Filed March 9, 1927. Serial No. 245,432. PUBLISHED MAY 24, 1927. Class 12.

231,378. LEATHER GLOVES AND MITTENS. SARANAC GLOVE CO., Littleton, N. H.
Filed March 9, 1927. Serial No. 245,455. PUBLISHED MAY 24, 1927. Class 39.

231,379. ROMPERS. PRESSMAN & AARONSON, New York, N. Y.
Filed March 10, 1927. Serial No. 245,517. PUBLISHED MAY 24, 1927. Class 39.

231,380. LEATHER SHOES. STONE-TARLOW CO. INC., Brockton, Mass.
Filed March 10, 1927. Serial No. 245,522. PUBLISHED MAY 24, 1927. Class 39.

231,381. COLLARS, UNDERWEAR OF TEXTILE FABRIC FOR MEN AND BOYS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & Co. INC., Troy, N. Y.
Filed March 11, 1927. Serial No. 245,552. PUBLISHED MAY 17, 1927. Class 39.

231,382. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS AND UNDERWEAR OF TEXTILE FABRIC FOR MEN AND BOYS. HALL, HARTWELL & Co. INC., Troy, N. Y.
Filed March 11, 1927. Serial No. 245,553. PUBLISHED MAY 17, 1927. Class 39.

231,383. KNIT GOODS—NAMELY, SWEATERS, SWEATER COATS, SPORT COATS, AND LUMBER JACKETS—FOR MEN, WOMEN, AND CHILDREN. HAYMON KRUPP & Co., El Paso, Tex.
Filed March 11, 1927. Serial No. 245,564. PUBLISHED MAY 24, 1927. Class 39.

231,384. A DEODORANT FOR THE FEET, BATH SALTS, AND A VAGINAL OR RECTAL INJECTION. SUNLAND LABORATORIES INC., Los Angeles, Calif.
Filed January 26, 1927. Serial No. 243,397. PUBLISHED JUNE 7, 1927. Class 6.

231,385. AUTOMATIC SODA FOUNTAINS COMPRISING TWO TYPES. THE WYANDOTTE AUTOMATIC FOUNTAIN COMPANY, Kansas City, Kans.
Filed January 28, 1927. Serial No. 243,517. PUBLISHED MAY 31, 1927. Class 23.

231,386. GIRDLES. MICHAEL G. MICHAEL, doing business as Michael School of Acrobatics, New York, N. Y.
Filed March 29, 1927. Serial No. 246,560. PUBLISHED MAY 24, 1927. Class 39.

231,387. DAVENPORTS, BED DAVENPORTS, CHAIRS, AND ROCKING-CHAIRS SUITABLE FOR HOUSEHOLD OR OFFICE USE. ROBERTI BROS., Los Angeles, Calif.
Filed March 29, 1927. Serial No. 246,570. PUBLISHED JUNE 7, 1927. Class 32.

231,388. HUNTING COATS. UTICA DUXBAK CORPORATION, Utica, N. Y.
Filed March 29, 1927. Serial No. 246,577. PUBLISHED MAY 24, 1927. Class 39.

231,389. INGOTS OF ALUMINUM AND ALUMINUM-BASE ALLOYS. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa.
Filed March 30, 1927. Serial No. 246,584. PUBLISHED MAY 31, 1927. Class 14.

231,390. WOMEN'S HOSIERY. SOCIETY MAID HOSIERY COMPANY, INC., New York, N. Y.
Filed March 30, 1927. Serial No. 246,641. PUBLISHED MAY 24, 1927. Class 39.

231,391. CLAMP HANDLES OR HOLDERS FOR HAND TOOLS AND SANDPAPER AND EMERY CLOTH. THOMAS MFG. COMPANY, Wilkes-Barre, Pa.
Filed March 30, 1927. Serial No. 246,647. PUBLISHED MAY 31, 1927. Class 23.

231,392. PERFUME. J. & E. ATKINSON, LIMITED, London, England.
Filed March 31, 1927. Serial No. 246,657. PUBLISHED JUNE 7, 1927. Class 6.

231,393. FUNGICIDE, SEED DISINFECTANT. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed March 31, 1927. Serial No. 246,673. PUBLISHED JUNE 7, 1927. Class 6.

231,394. TIRE-VALVE CAPS. STANLEY C. MCALPINE, doing business as R-Tite Tire Valve Cap Co., Detroit, Mich.
Filed March 31, 1927. Serial No. 246,697. PUBLISHED MAY 31, 1927. Class 13.

231,395. SOAP POWDER COMBINED WITH MINERAL INGREDIENTS. THE CUDAHY PACKING CO., Chicago, Ill.
Filed April 1, 1927. Serial No. 246,741. PUBLISHED JUNE 7, 1927. Class 4.

231,396. WATERPROOF DRESSING FOR SHOES. CHARLES J. JOHNSON, Seattle, Wash.
Filed April 1, 1927. Serial No. 246,753. PUBLISHED JUNE 7, 1927. Class 4.

231,397. WATERPROOFED LUMBER. E. S. EVANS & CO. INC., Detroit, Mich.
Filed March 9, 1927. Serial No. 245,431. PUBLISHED JUNE 7, 1927. Class 12.

231,398. MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS. BEN FLIGEL, doing business as Ben Fligel Company, New York, N. Y.
Filed March 17, 1927. Serial No. 245,900. PUBLISHED MAY 24, 1927. Class 39.

231,399. WHEAT FLOUR. TEXAS STAR FLOUR MILLS, Galveston, Tex.
Filed March 21, 1927. Serial No. 246,134. PUBLISHED MAY 31, 1927. Class 46.

231,400. BUTTER. THE MIAMI VALLEY COOPERATIVE MILK PRODUCERS ASSOCIATION, Dayton, Ohio.
Filed March 22, 1927. Serial No. 246,172. PUBLISHED MAY 31, 1927. Class 46.

231,401. QUARRY TILE. UNITED STATES QUARRY TILE CO., East Sparta, Ohio.
Filed March 23, 1927. Serial No. 246,246. PUBLISHED JUNE 7, 1927. Class 12.

231,402. QUARRY TILE. UNITED STATES QUARRY TILE CO., East Sparta, Ohio.
Filed March 23, 1927. Serial No. 246,247. PUBLISHED JUNE 7, 1927. Class 12.

231,403. QUARRY TILE. UNITED STATES QUARRY TILE CO., East Sparta, Ohio.
Filed March 23, 1927. Serial No. 246,248. PUBLISHED JUNE 7, 1927. Class 12.

231,404. COAL EXCEPTING SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,432. PUBLISHED MAY 31, 1927. Class 1.

231,405. COAL EXCEPTING SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,433. PUBLISHED MAY 31, 1927. Class 1.

231,406. COAL EXCEPTING SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,434. PUBLISHED MAY 31, 1927. Class 1.

231,407. BRICK AND TILE. AMERICAN ENAMELED BRICK & TILE COMPANY, New York, N. Y.
Filed March 29, 1927. Serial No. 246,524. PUBLISHED MAY 31, 1927. Class 12.

231,408. PLASTER BOARD, WALL BOARD, AND ROOFING. GOODFELLOW LUMBER COMPANY, St. Louis, Mo.
Filed April 1, 1927. Serial No. 246,746. PUBLISHED MAY 31, 1927. Class 12.

231,409. PLASTIC LEAK-SEALING COMPOUND. THE FURMANITE CORPORATION, Newport News, Va.
Filed April 2, 1927. Serial No. 246,826. PUBLISHED JUNE 7, 1927. Class 12.

231,410. HARDY PLANTS, LILIES, IMPORTED AND NATIVE GARDEN BULBS, SHRUBS, TREES, ROSES, AND SEEDS. THE WAYSIDE GARDENS CO., Mentor, Ohio.
Filed April 2, 1927. Serial No. 246,866. PUBLISHED JUNE 7, 1927. Class 1.

231,411. LACQUERED LEATHER. CORNELIUS HEYL AKTIENGESELLSCHAFT, Worms-on-the-Rhine, Germany.
Filed April 4, 1927. Serial No. 246,889. PUBLISHED JUNE 7, 1927. Class 1.

231,412. ALUMINUM. ALUMINUM INDUSTRIES, INC., Cincinnati, Ohio.
Filed April 5, 1927. Serial No. 246,947. PUBLISHED MAY 31, 1927. Class 14.

231,413. TRACING PAPER AND TRACING CLOTH. ACME BLUE PRINT PAPER CO., Chicago, Ill.
Filed April 9, 1927. Serial No. 247,157. PUBLISHED MAY 31, 1927. Class 37.

231,414. SCORE PADS. JULIA V. FINLEY, New York, N. Y.
Filed April 11, 1927. Serial No. 247,268. PUBLISHED MAY 31, 1927. Class 37.

231,415. INDEX CARDS, GUIDES, FOLDERS, AND SHEETS. FILING EQUIPMENT BUREAU INCORPORATED, Boston, Mass.
Filed April 14, 1927. Serial No. 247,423. PUBLISHED MAY 31, 1927. Class 37.

231,416. GROUND WHEAT. ALBERT DUETSCHLER, New York, N. Y.
Filed April 18, 1927. Serial No. 247,606. PUBLISHED MAY 31, 1927. Class 46.

231,417. FOUNTAIN PENS AND PENCILS. L. E. WATERMAN COMPANY, New York, N. Y.
Filed April 18, 1927. Serial No. 247,651. PUBLISHED MAY 31, 1927. Class 37.

231,418. COUGH SIRUP AND PECTORAL TEA. A. COOLS, Opelousas, La.
Filed January 27, 1927. Serial No. 243,418. PUBLISHED MAY 31, 1927. Class 6.

231,419. EYE LOTION. WILLIAM E. GARRETSON, doing business as Eye-Rine Remedy Co., Portland, Oreg.
Filed January 31, 1927. Serial No. 243,599. PUBLISHED MAY 31, 1927. Class 6.

231,420. AUTOMOBILE TIRE CASINGS. STERLING TIRE CORPORATION, Rutherford, N. J.
Filed February 7, 1927. Serial No. 243,981. PUBLISHED MAY 31, 1927. Class 35.

231,421. KNITTED SWEATERS, COATS, DRESSES, JACKETS, LUMBER COATS, SLIP-ONS, GOLF COATS, SCARFS, HOSIERY, WAISTS, SKIRTS, VESTS, SUITS, EACH OF SAID ARTICLES BEING FOR MEN, WOMEN, AND CHILDREN. CLAIRE KNITTING MILLS, INC., New York, N. Y.
Filed February 8, 1927. Serial No. 243,999. PUBLISHED MAY 17, 1927. Class 39.

231,422. HOSIERY, UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; NEGLIGEES, SWEATERS, BATHING SUITS, BLOOMERS, AND PYJAMAS. MASTERPIECE HOSIERY MILLS, New York, N. Y.
Filed February 8, 1927. Serial No. 244,020. PUBLISHED MAY 24, 1927. Class 39.

231,423. ASPHALT ROOFING MATERIAL. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,046. PUBLISHED MAY 24, 1927. Class 12.

231,424. ROOFING MATERIALS—NAMELY, ASPHALT ASBESTOS PLASTIC CEMENT, ASPHALT LIQUID ASBESTOS FIBER COATING, MICA-SURFACED ROOFING, AND MINERAL-SURFACED ROOFING. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,048. PUBLISHED MAY 24, 1927. Class 12.

231,425. ASPHALT ROOFING MATERIAL. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,050. PUBLISHED MAY 24, 1927. Class 12.

231,426. ROOFING MATERIAL—NAMELY, RED MINERAL-SURFACED ROOFING. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,051. PUBLISHED MAY 24, 1927. Class 12.

231,427. PRECIOUS-METAL ALLOYS FOR JEWELRY PURPOSES. NATIONAL SMELTING & REFINING CORP., New York, N. Y.
Filed February 9, 1927. Serial No. 244,089. PUBLISHED MAY 31, 1927. Class 14.

231,428. DAILY NEWSPAPER. DAILY TRADE RECORD CO. OF NEW YORK, New York, N. Y.
Filed February 10, 1927. Serial No. 244,140. PUBLISHED MAY 24, 1927. Class 38.

231,429. TOOTH PRESERVATIVE. FELICE SACCO, Philadelphia, Pa.
Filed February 10, 1927. Serial No. 244,185. PUBLISHED JUNE 7, 1927. Class 6.

231,430. NEAT CEMENT PLASTER. ATLANTIC GYPSUM PRODUCTS COMPANY, Boston, Mass.
Filed February 11, 1927. Serial No. 244,206. PUBLISHED JUNE 7, 1927. Class 12.

231,431. NEAT CEMENT PLASTER. ATLANTIC GYPSUM PRODUCTS COMPANY, Boston, Mass.
Filed February 11, 1927. Serial No. 244,207. PUBLISHED MAY 17, 1927. Class 12.

231,432. BATHING SUITS. GEORGE L. HALL, doing business as Swimsafe Bathing Suit Co., Anderson, S. C.
Filed February 12, 1927. Serial No. 244,301. PUBLISHED MAY 17, 1927. Class 39.

231,433. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,328. PUBLISHED MAY 17, 1927. Class 12.

231,434. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,329. PUBLISHED MAY 17, 1927. Class 12.

231,435. TILES. THE SPARTA CERAMIC COMPANY, East Sparta, Ohio.
Filed February 12, 1927. Serial No. 244,330. PUBLISHED MAY 17, 1927. Class 12.

231,436. CEREAL FOOD DRINK. THE KÓPA CORPORATION, Fort Worth, Tex.
Filed March 8, 1927. Serial No. 245,401. PUBLISHED MAY 24, 1927. Class 46.

231,437. WHITE-CLAY FACE PACK, A HAIRDRESSING, AND A SHAMPOO. LOUIS E. BLACKMER, Binghamton, N. Y.
Filed March 9, 1927. Serial No. 245,422. PUBLISHED MAY 31, 1927. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

231,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. NILES, Kingston, N. Y. Filed Nov. 11, 1926. Serial No. 239,944.

NILES
MINERAL OIL DRESSING

Particular description of goods.—Mineral Oil Dressing for Use in Salads and the Like.
Claims use since July 1, 1926.

231,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEBOYGAN DAIRY PRODUCTS COMPANY, Sheboygan, Wis. Filed June 18, 1926. Serial No. 233,463.

Veriline

Particular description of goods.—Butter and Ice Cream.
Claims use since June 1, 1924.

231,440. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BIRMINGHAM STOVE & RANGE CO., Birmingham, Ala. Filed June 17, 1926. Serial No. 233,351.

Gold Medal

Particular description of goods.—Coal, Wood, Gas, and Oil Stoves and Furnaces.
Claims use since Jan. 1, 1921.

231,441. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Sept. 1, 1925. Serial No. 219,618.

DAVIS' 100 PER CENT

Particular description of goods.—Ready-Mixed Paints.
Claims use since 1900.

231,442. (CLASS 39. CLOTHING.) THE DAYTIME FROCK CO., INC., Glens Falls, N. Y. Filed June 12, 1926. Serial No. 233,115.

SMART + AFTERNOON + FROCKS

Particular description of goods.—Misses' and Women's Dresses.
Claims use since June 1, 1926.

231,443. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COLUMBUS MANUFACTURING COMPANY, Columbus, Ga. Filed June 12, 1926. Serial No. 233,110.

HISPANIOLA

Particular description of goods.—Cotton Sheetings.
Claims use since Feb. 5, 1926.

231,444. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WHITE SULPHUR SPRINGS, INC., White Sulphur Springs, W. Va. Filed July 26, 1926. Serial No. 235,188.

Greenbrier

Particular description of goods.—Ginger Ale.
Claims use since about July 13, 1926.

231,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Mar. 4, 1927. Serial No. 245,218.

PEMBROKE

Particular description of goods.—Cotton Goods, Silk Goods, and Linen Goods and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Sept. 1, 1920.

231,446. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Sept. 1, 1925. Serial No. 219,617.

DAVIS

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Stains, Varnishes, Japans, and Fillers.
Claims use since spring of 1900.

231,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN CREAM TARTAR CO., San Francisco, Calif. Filed Feb. 10, 1927. Serial No. 244,124.

SNOWHITE

Particular description of goods.—Cream Tartar, Tartaric Acid, Sodium Potassium Tartrate, and Calcium Tartrate.
Claims use since July 1, 1926.

231,448. (CLASS 10. FERTILIZERS.) THE COLUMBIA PRODUCTS CO., Cleveland, Ohio. Filed Apr. 28, 1927. Serial No. 248,088.

PLANT LIME

Particular description of goods.—Agricultural Lime.
Claims use since January, 1911.

231,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY CITY GROCERY COMPANY, Valley City, N. Dak. Filed Jan. 10, 1927. Serial No. 242,635.

"GREATER NORTH DAKOTA"

Particular description of goods.—Coffee.
Claims use since June 29, 1926.

231,450. (CLASS 45. BEVERAGES, NONALCOHOLIC.) O'KEEFE'S BEVERAGES LIMITED, Canton, Conn. Filed Oct. 16, 1926. Serial No. 238,738.

CANTON

Particular description of goods.—Dry Ginger Ale.
Claims use since about May 14, 1926.

231,451. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. T. FARGASON GROCER CO., Memphis, Tenn. Filed Jan. 27, 1927. Serial No. 243,430.

FARGO

Particular description of goods.—Certain Named Food Products.
Claims use since July 12, 1926.

231,452. (CLASS 32. FURNITURE AND UPHOLSTERY.) COFFEE BROTHERS & ZOOK, Nappanee, Ind. Filed June 15, 1927. Serial No. 250,828.

NAPANEE

Particular description of goods.—Kitchen Cabinets.
Claims use since June 17, 1914.

231,453. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ATLANTIC AIRCRAFT CORPORATION, Teterboro, Hasbrouck Heights, N. J. Filed Aug. 7, 1926. Serial No. 235,868.

TRIMOTOR

Particular description of goods.—Aircraft of the Heavier-Than-Air Types.
Claims use since July 1, 1926.

231,454. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PEERLESS HEATER COMPANY, Pittsburgh, Pa. Filed July 1, 1926. Serial No. 238,999.

PEERLESS SUPER SECTION

Particular description of goods.—Gas-Fired Boilers.
Claims use since June 22, 1925.

231,455. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Roseville, Ga. Filed Apr. 17, 1926. Serial No. 230,257.

DOLLA $ HOSE

Particular description of goods.—Hosiery.
Claims use since Apr. 2, 1926.

231,456. (CLASS 39. CLOTHING.) HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Filed Feb. 25, 1926. Serial No. 227,792.

"York Blue"

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Feb. 15, 1924.

231,457. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JACK WHITE COMEDY CORPORATION, New York, N. Y. Filed June 17, 1927. Serial No. 250,696.

A JACK WHITE PRODUCTION

Particular description of goods.—Motion Pictures.
Claims use since Dec. 11, 1921.

231,458. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed June 17, 1927. Serial No. 250,666.

FLANDERS

Particular description of goods.—Brick.
Claims use since March, 1925.

231,459. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed June 13, 1927. Serial No. 250,426.

MANILA

Particular description of goods.—Brick.
Claims use since January, 1926.

231,460. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CORLIS SEABROOK PAINT COMPANY, Memphis, Tenn. Filed June 10, 1927. Serial No. 250,298.

CORLIS-SEABROOK

Titanic White

Particular description of goods.—Paints, Dry, Paste, and Ready-Mixed, and Paint Enamels.
Claims use since Jan. 1, 1926.

231,461. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN COAL & COKE CO., Milwaukee, Wis. Filed May 26, 1927. Serial No. 249,627.

OAK CREEK

Particular description of goods.—Coal.
Claims use since May 1, 1923.

231,462. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HUDSON BROOM WORKS, Brooklyn, N. Y. Filed May 14, 1927. Serial No. 249,006.

GOLD MEDAL

Particular description of goods.—Brooms.
Claims use since Apr. 4, 1921.

231,463. (CLASS 31. FILTERS AND REFRIGERATORS.) MITYCOLD CORPORATION, Jacksonville, Fla. Filed Apr. 18, 1927. Serial No. 247,627.

MITYCOLD

Particular description of goods.—Electric Refrigerating Machines.
Claims use since Oct. 1, 1925.

231,464. (CLASS 12. CONSTRUCTION MATERIALS.) GLADDING, MCBEAN AND CO., Los Angeles, Calif. Filed Apr. 15, 1927. Serial No. 247,470.

FLORENTINE

Particular description of goods.—Brick and Tile.
Claims use since May 1, 1926.

231,465. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SEARS, ROEBUCK AND CO., doing business as Clinton Cartridge Company, Chicago, Ill. Filed Apr. 2, 1927. Serial No. 246,851.

Mallard

Particular description of goods.—Shotgun Shells.
Claims use since 1910.

231,466. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CARL REESE, Hillsboro, Tex. Filed Mar. 28, 1927. Serial No. 246,505.

REESE
DROUTH RESISTER

Particular description of goods.—Seed Corn.
Claims use since Jan. 1, 1917.

231,467. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OXNARD SODA & DISTILLED WATER CO., Oxnard, Calif. Filed Mar. 23, 1927. Serial No. 246,220.

SUGAR CITY

The vertical lining of the drawing is intended to denote the color red.
Particular description of goods.—Nonalcoholic, Malt-less Beverages Sold as Soft Drinks.
Claims use since Sept. 1, 1924.

LABELS

REGISTERED AUGUST 16, 1927.

32,573.—*Title:* PLEAZALL. For Candy. ALBERTA CANDY CO. INC., San Francisco, Calif. Published December 1, 1926.

32,574.—*Title:* FOUR LEAF BRAND. For Clover Honey. EARL M. ALEXANDER, New Paris, Ohio. Published January 1, 1927.

32,575.—*Title:* CHUCKLES. For Candy. FRED W. AMEND CO., Chicago, Ill. Published May 3, 1927.

32,576.—*Title:* A CHEST FULL OF GINGER SNAPS. For Ginger Snaps. BISHOP AND COMPANY, Los Angeles, Calif. Published May 24, 1927.

32,577.—*Title:* HARRIET CLARK'S MADE-AT-HOME CHOCOLATES. For Candy. E. J. BRACH & SONS, doing business as Harriet Clark Candies. Chicago, Ill. Published February 1, 1927.

32,578.—*Title:* SPUTA FUOCO. For Grapes. CALIFORNIA GRAPE PRODUCTS CO., Ukiah, Calif., and New York, N. Y. Published May 19, 1927.

32,579.—*Title:* CANADIAN CLUB. For Ginger Ale. CANADIAN CLUB CORPORATION, Boston, Mass. Published June 21, 1927.

32,580.—*Title:* JANE FAIR. For Infant Wear, Knitted Sweaters Made of Wool. CLAWSON & WILSON COMPANY, Buffalo, N. Y. Published June 1, 1927.

32,581.—*Title:* TUF-TEX. For Shirts. THE CROWN OVERALL MFG. CO., Cincinnati, Ohio. Published November 1, 1926.

32,582.—*Title:* CERALENE. For Floor Polish. DAJAN CHEMICAL COMPANY, Boston, Mass. Published May 2, 1927.

32,583.—*Title:* ECONOMY PAINT. For Paint. Geneva, Nebr. Published May 1, 1927.

32,584.—*Title:* TOPAZ HOSIERY. For Hosiery. THE JOHN M. GIVEN COMPANY, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Published May 14, 1927.

32,585.—*Title:* COLLEGIATE. For Pyjamas. GREENEBAUM BROS. & COMPANY, Philadelphia, Pa. Published June 21, 1927.

32,586.—*Title:* COLLEGIATE. For Shirts. GREENEBAUM BROS. & COMPANY, Philadelphia, Pa. Published June 21, 1927.

32,587.—*Title:* PURITAN. For Boys' Blouses. GREENEBAUM BROS. & COMPANY, Philadelphia, Pa. Published June 21, 1927.

32,588.—*Title:* PINE-O-CIDE. For Disinfectant. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Published July 5, 1927.

32,589.—*Title:* SOAP-MEAL. For Powdered Soap. THE INSTO COMPANY, Los Angeles, Calif. Published June 1, 1927.

32,590.—*Title:* KASKO. For Malt Sirup. SAMUEL KASSER, Philadelphia, Pa. Published May 28, 1927.

32,591.—*Title:* RADIANT. For Silver and Metal Polish. MIDWAY CHEMICAL COMPANY, Chicago, Ill. Published June 1, 1927.

32,592.—*Title:* COLLIE. For Paper Products. THE MILLER BROTHERS CO., Newark, N. J. Published June 17, 1927.

32,593.—*Title:* THE MILLER BROTHERS CO. For Paper Products. THE MILLER BROTHERS CO., Newark, N. J. Published June 17, 1927.

32,594.—*Title:* COLLIE BRAND. For Paper Products. THE MILLER BROTHERS CO., Newark, N. J. Published June 17, 1927.

32,595.—*Title:* DX-TESTED. For Radiotubes. PACIFIC WHOLESALE, INC., Los Angeles, Calif. Published May 1, 1927.

32,596.—*Title:* DR. BROWN'S WILD CHERRY CARBONATED BEVERAGE. For Carbonated Beverage. SCHONEBERGER & NOBLE, INC., New York, N. Y. Published January 17, 1927.

32,597.—*Title:* DR. BROWN'S PALE DRY GINGER ALE. For Ginger Ale. SCHONEBERGER & NOBLE, INC., New York, N. Y. Published January 17, 1927.

32,598.—*Title:* DR. BROWN'S CELERY A PURE CARBONATED BEVERAGE. For Celery Compound. SCHONEBERGER & NOBLE, INC., New York, N. Y. Published January 17, 1927.

32,599.—*Title:* DR. BROWN'S MINERAL WATER. For Mineral Water. SCHONEBERGER & NOBLE, INC., New York, N. Y. Published January 17, 1927.

32,600.—*Title:* VIG. For Beverage Sirup. S. ALLEN TUCKER, Philadelphia, Pa. Published May 7, 1927.

32,601.—*Title:* VEGEX VIMS YEAST VITAMIN CANDY. For Candy. VITAMIN FOOD CO. INC., New York, N. Y. Published May 3, 1927.

32,602.—*Title:* WESTERN CARTRIDGES. For Cartridges. WESTERN CARTRIDGE COMPANY, East Alton, Ill. Published April 1, 1927.

32,603.—*Title:* WESTERN RIM FIRE CARTRIDGES. For Cartridges. WESTERN CARTRIDGE COMPANY, East Alton, Ill. Published April 20, 1927.

32,604.—*Title:* SPRING-FLOAT PENETRATING OIL. For Penetrating Oil. WESTERN UTILITIES COMPANY, Los Angeles, Calif. Published June 1, 1927.

PRINTS

REGISTERED AUGUST 16, 1927.

10,113.—*Title:* THEY SEE THE BOX FIRST. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published June 14, 1927.

10,114.—*Title:* EASY TO HANDLE, CHANDLER MOTOR CARS. For Chandler Automobiles. CHARLES C. ILLERS, Westerleigh, N. Y. Published June 1, 1927.

10,115.—*Title:* HAVE MORE SILK DRESSES. For Silk Dresses. JAHRAUS-BRAUN CO., Buffalo, N. Y. Published June 29, 1927.

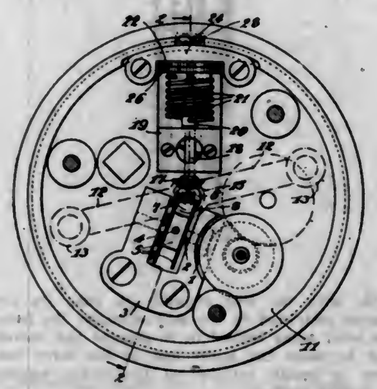
10,116.—*Title:* THE SALT WITHOUT A FAULT. For Table, Dairy, and Common Salt. MICHIGAN SALT WORKS, Marine City, Mich. Published May 27, 1927.

10,117.—*Title:* YOUR LEGS WILL THANK YOU! YOUR WAIST WILL THANK YOU! YOUR SHOULDERS WILL THANK YOU! For Garters, Belts, and Suspenders. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Published February 26, 1927.

REISSUES

AUGUST 16, 1927.

16,703. CLOCKWORK FOR MECHANICAL FUSES FOR ARTILLERY PROJECTILES. ANDRÉ VARAUD, Geneva, Switzerland. Filed July 7, 1927. Serial No. 204,046. Original No. 1,577,391, dated Mar. 16, 1926, Serial No. 27,121, filed May 1, 1925. 10 Claims. (Cl. 102—36.)



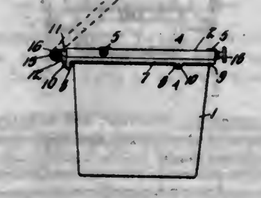
1. In a clockwork for mechanical fuses for artillery projectiles, a balance, a cylindrical spiral so placed that the axis thereof is transverse of the fuse and perpendicular to the axis of rotation of the projectile, a supporting member upon which said spiral momentarily rests at the time of the departure of the projectile upon being fired, and a dead-beat escapement whereby oscillations of relatively large amplitude are given to the balance.

16,704. WIRE CLAMP. WILLIAM JAMES CARLEY, Culpeper, Va., assignor to Marie Bessiers, Culpeper, Va. Filed Apr. 10, 1922. Serial No. 551,361. Original No. 1,382,620, dated June 28, 1921, Serial No. 355,384, filed Jan. 31, 1920. 10 Claims. (Cl. 191—43.)
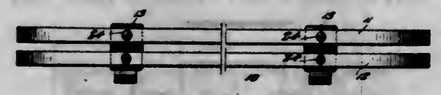


1. A suspension device comprising a support; a pair of clamping members engaged thereon and adapted for movement in unison relative to the support; a compression member carried directly by the support in adjustable relation to engage and move the clamping members into mutual clamping relation; an enclosing means carried by the compression member; and retaining members carried by the clamping members and receivable within said enclosing means whereby the clamping members are retained upon the support.

16,705. SANITARY COVER. JULIUS KIM, Pittsburgh, Pa., assignor, by mesne assignments, to Theodore Lenchner, Pittsburgh, Pa. Filed Jan. 13, 1926. Serial No. 81,111. Original No. 1,503,190, dated July 29, 1924, Serial No. 550,115, filed Apr. 6, 1922. 6 Claims. (Cl. 220—32.)



1. In a cover device for receptacles, a frame, a cover fitting over said frame, ears attached to said frame and cover, means for pivotally connecting the ears together, and means for setting up continuing frictional engagement between said ears while the cover is being raised to open position.

16,706. VEHICLE BUMPER. ALFRED WEILAND, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y., a Corporation of Delaware. Filed June 28, 1927. Serial No. 202,151. Original No. 1,579,186, dated Mar. 30, 1926, Serial No. 42,705, filed July 10, 1925. 12 Claims. (Cl. 293—55.)

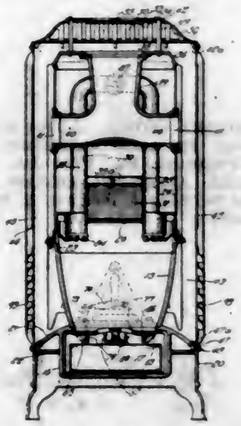


10. An automobile bumper comprising an impact member and a support member, and a rubber block forming means for securing said members together.

16,707. HEATER. BERTRAND B. KAHN, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a Corporation of Ohio. Filed May 25, 1925. Serial No. 32,852. Original No. 1,457,078, dated May 29, 1923, Serial No. 501,100, filed Sept. 16, 1921. 10 Claims. (Cl. 126—67.)

1. In a portable heater adapted to be placed in a living room, the combination of a base formed with a peripheral shoulder; an ash-box formed with a peripheral flange removably seated on the shoulder, the flange being provided with a peripheral upwardly opening channel; a combustion chamber having a fire-pot supported on the ash-box; a casing having its lower edge loosely seated in said channel and laterally enclosing and spaced from the com-

bustion chamber and fire-pot, the casing being formed with air inlet openings surrounding and directly opposite the fire-pot; and a dome secured to and spaced above the



top of the combustion chamber and slidably contacting with the surface of the casing, the dome being encircled with air escape openings.

16,708. SAND PUMP. GEORGE J. ARMSTRONG, Burkburnett, Tex. Filed June 3, 1927. Serial No. 196,362. Original No. 1,547,285, dated July 28, 1925, Serial No. 723,416, filed June 30, 1924. 7 Claims. (Cl. 166—19.)

1. In a sand pump in combination with a working barrel and plunger; a slotted cylindrical member rigid upon the lower extremity of the said barrel; a valved cutting member having projections spaced around the periphery thereof and arranged to be inserted within the slots of said cylindrical member and having a stop shoulder; a spring pressed auxiliary locking lever on said cutting member having an upwardly extending finger en-

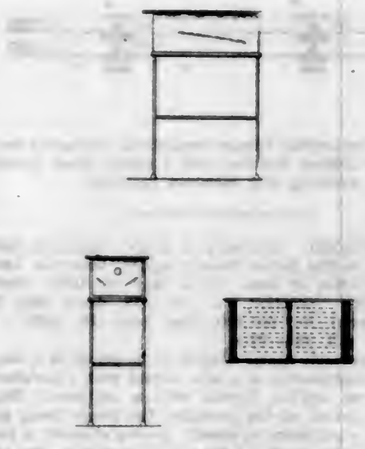


gageable with the stop shoulder to have its outward movement restricted by the said shoulder, the lower end of the lever being formed to be gripped and moved outwardly to move the upper end of the lever inwardly thereby, to permit rotation of the locked members to effect release thereof.

DESIGNS

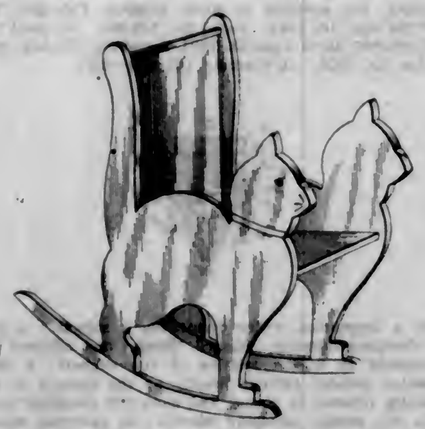
AUGUST 16, 1927.

73,248. CHURCH CONTRIBUTION CHEST. RUBEN ANSON, Truxton, Mo., assignor of one-half to William A. Femmer, Truxton, Mo. Filed Apr. 30, 1927. Serial No. 21,812. Term of patent 14 years.



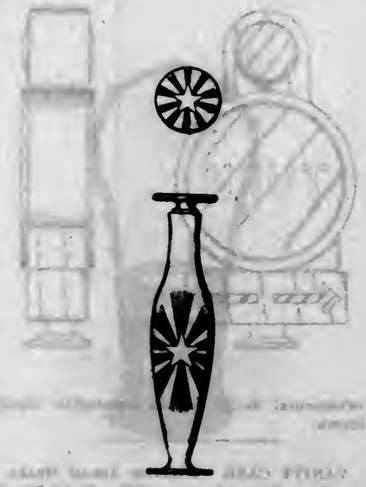
The ornamental design for a church contribution chest, as shown.

73,249. CHAIR. FLOYD BRAUGHLER, Butler, Pa. Filed May 12, 1926. Serial No. 17,664. Term of patent 14 years.



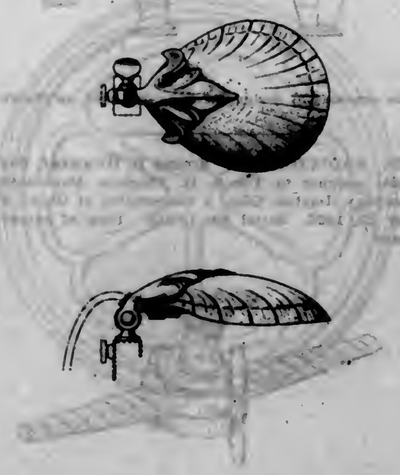
The ornamental design for a chair as shown.

73,250. FLACON. RUBY T. BREWSTER, New York, N. Y. Filed Apr. 22, 1927. Serial No. 21,680. Term of patent 3½ years.



The ornamental design for a flacon, as shown.

73,251. REFLECTOR. ANGELO DE LUGO, Englewood, N. J., and JOHN W. ROSSARSON, Tuckahoe, N. Y. Filed Apr. 12, 1927. Serial No. 21,567. Term of patent 7 years.



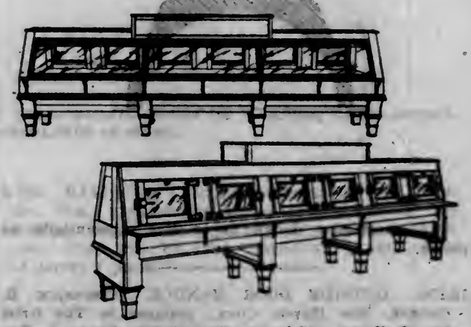
The ornamental design for a reflector substantially as shown.

73,252. RADIO DIAL ESCUTCHEON PLATE. DAVID H. ENGELSON, Brooklyn, N. Y. Filed May 11, 1927. Serial No. 21,933. Term of patent 3½ years.



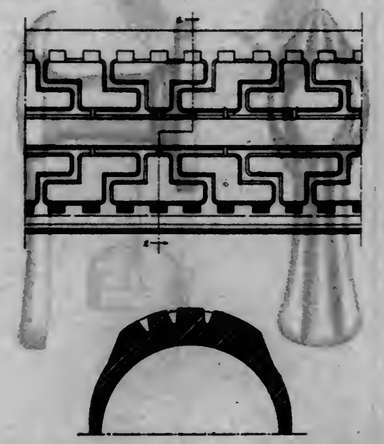
The ornamental design for a radio dial escutcheon plate as shown.

73,253. REFRIGERATOR DISPLAY CASE. EDWARD FRIEDRICH, San Antonio, Tex. Filed Apr. 28, 1927. Serial No. 21,773. Term of patent 7 years.



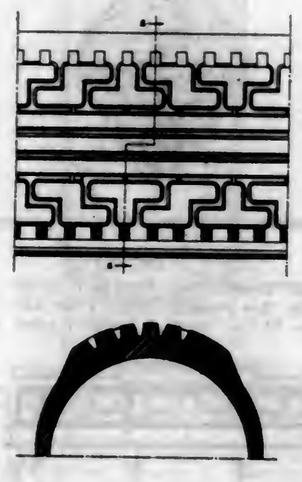
The ornamental design for a refrigerator display case substantially as shown.

73,254. TIRE. WILLIAM C. GARRIGUES, Akron, Ohio, assignor to The Williams Foundry and Machine Company, Akron, Ohio, a Corporation of Ohio. Filed July 10, 1926. Serial No. 18,294. Term of patent 14 years.



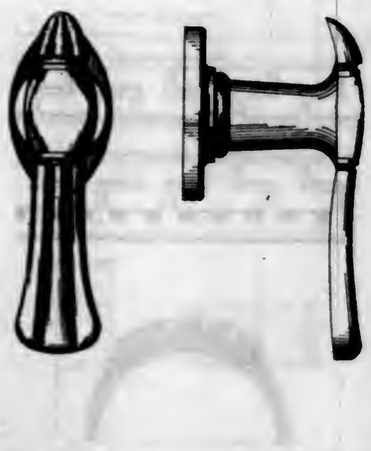
The ornamental design for a tire substantially as shown.

73,255. TIRE. WILLIAM C. GARRIGUES, Akron, Ohio, assignor to The Williams Foundry and Machine Company, Akron, Ohio, a Corporation of Ohio. Filed July 10, 1926. Serial No. 18,295. Term of patent 14 years.



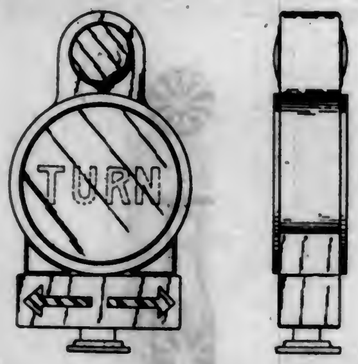
The ornamental design for a tire substantially as shown.

73,256. OUTSIDE DOOR HANDLE. FREDERICK E. GREENE, New Haven, Conn., assignor to The Grist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed May 21, 1927. Serial No. 22,125. Term of patent 7 years.



The ornamental design for an outside door handle substantially as shown.

73,257. AUTOMOBILE SIGNAL CASING. JOHN WALTER GUNN, Jersey City, N. J. Filed Apr. 19, 1927. Serial No. 21,644. Term of patent 14 years.



The ornamental design for an automobile signal casing as shown.

73,258. VANITY CASE. WILLIAM ABRAM HEARD, Jacksonville, Fla. Filed Mar. 14, 1927. Serial No. 21,148. Term of patent 14 years.

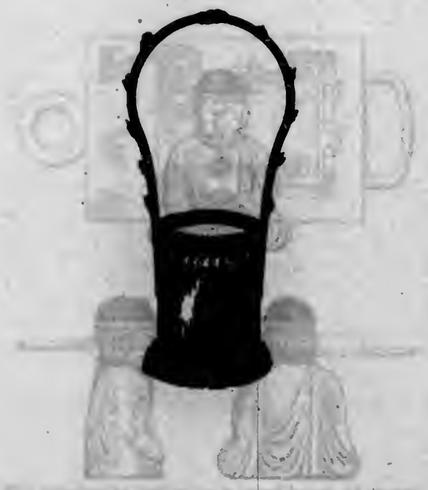
The ornamental design for a vanity case, as shown.

73,259. RADIATOR CAP. ROBERT H. HUMMERT, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 29, 1926. Serial No. 17,515. Term of patent 3½ years.



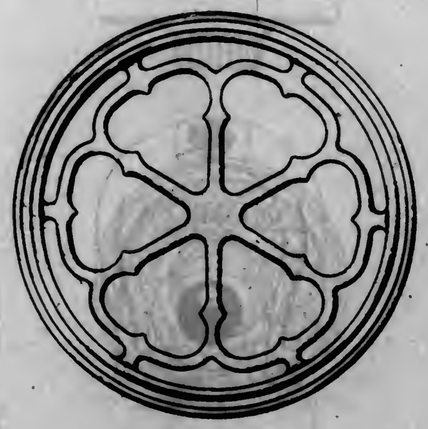
The ornamental design for a radiator cap, as shown.

73,260. BASKET. ANNA LEE KELLEY, Pyriton, Ala. Filed Jan. 15, 1927. Serial No. 20,899. Term of patent 7 years.



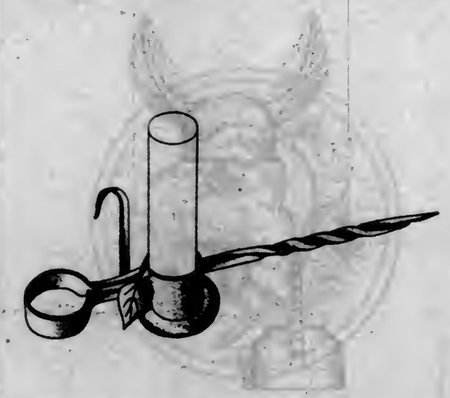
The ornamental design for a basket as shown and described.

73,261. GRILLE FRONT FOR RADIO LOUD SPEAKERS. RUSSELL T. KINGSFORD, Wyncote, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 3, 1927. Serial No. 22,314. Term of patent 7 years.



The ornamental design for a grille front for radio loud speakers, as shown.

73,262. LIGHTING-FIXTURE SUPPORT. EDWARD LARSON, Los Angeles, Calif., assignor of one-half to Dorothy B. Hoffman, Los Angeles, Calif. Filed June 29, 1925. Serial No. 18,037. Term of patent 7 years.



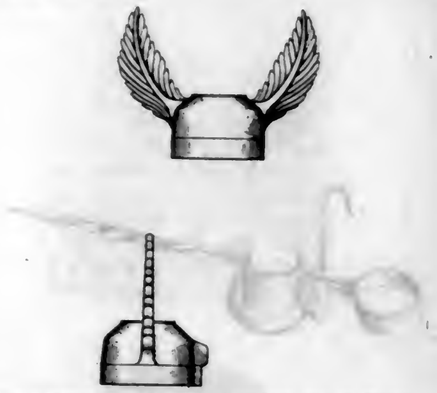
The ornamental design for a lighting fixture support, substantially as shown.

73,263. RADIATOR CAP. ALOYSIUS C. LIPPERT, Kenosha, Wis., assignor, by mesne assignments, to The Norlipp Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1926. Serial No. 16,981. Term of patent 7 years.



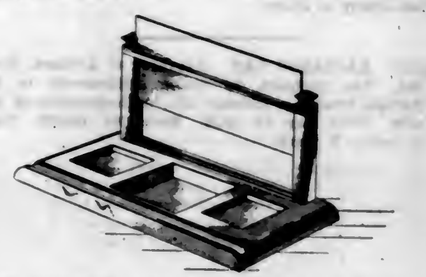
The ornamental design for a radiator cap as shown.

73,264. RADIATOR CAP. ALOYSIUS C. LIPPERT, Kenosha, Wis., assignor, by mesne assignments, to The Norlipp Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1926. Serial No. 16,982. Term of patent 7 years.



The ornamental design for a radiator cap as shown.

73,265. INKSTAND. JOHN C. PEARSON, Tuscaloosa, Ala. Filed Apr. 5, 1926. Serial No. 17,194. Term of patent 3½ years.



The ornamental design for an inkstand as shown.

73,266. CHANDELIER OR THE LIKE. MAX PEINLICH, White Plains, N. Y., assignor to Columbia Lighting Fixture Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1927. Serial No. 21,120. Term of patent 3½ years.



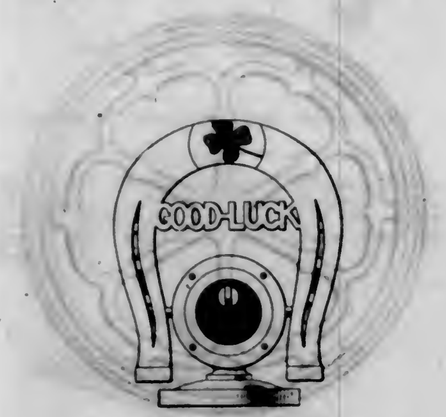
The ornamental design for a chandelier or the like, as shown and described.

73,267. BOTTLE OR SIMILAR CONTAINER. JACK I. POSNER, New York, N. Y., assignor to A. A. Vantine & Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 25, 1927. Serial No. 21,347. Term of patent 3½ years.



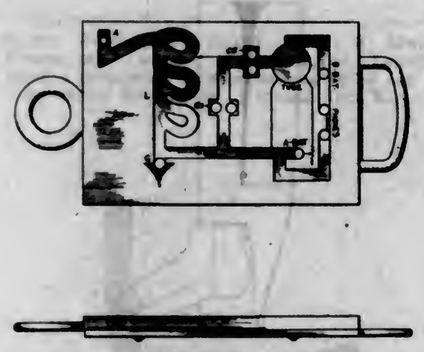
The ornamental design for a bottle or similar container, substantially as shown.

73,268. MOTOR METER. DOROTHY H. PULLEY, Charlotte, N. C. Filed Apr. 5, 1927. Serial No. 21,459. Term of patent 14 years.



The ornamental design for a motor meter, as shown.

73,269. GAME BOARD. LEON L. RUSSELL, Livermore Falls, Me. Filed June 14, 1927. Serial No. 22,422. Term of patent 3½ years.



The ornamental design for a game board, as shown.

73,270. LIGHTING FIXTURE. HARRY SHARDLOW, Los Angeles, Calif., assignor to Solar Lighting Fixture Co., Los Angeles, Calif., a Corporation of California. Filed June 17, 1927. Serial No. 22,466. Term of patent 3½ years.



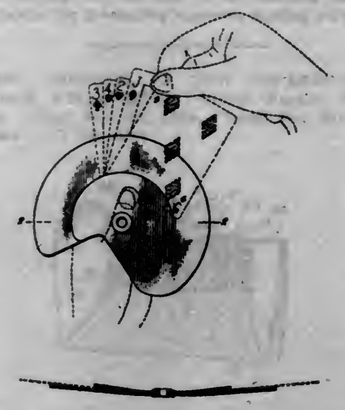
The ornamental design for a lighting fixture as shown.

73,271. LUNCHEON MAT FOR HOT PLATES. MELVILLE TANNENHOLZ, Brooklyn, N. Y. Filed Apr. 6, 1927. Serial No. 21,457. Term of patent 3½ years.



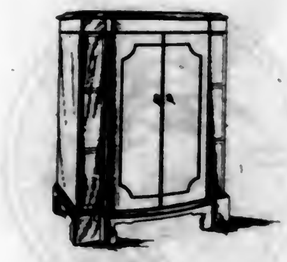
The ornamental design for a luncheon mat for hot plates, as shown.

73,272. PLAYING-CARD HOLDER. VALENTIN CONSTANT TENREAU, Pelham, N. Y. Filed Mar. 7, 1927. Serial No. 20,998. Term of patent 14 years.



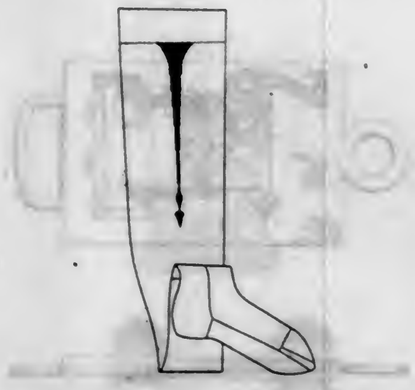
The ornamental design for playing card holder, as shown and described.

73,273. PHONOGRAPH CABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 16, 1927. Serial No. 21,160. Term of patent 7 years.



The ornamental design for a phonograph cabinet, substantially as shown.

73,274. STOCKING. WALTER B. ZANDER, Philadelphia, Pa., assignor to Schletter & Zander, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1927. Serial No. 20,288. Term of patent 14 years.

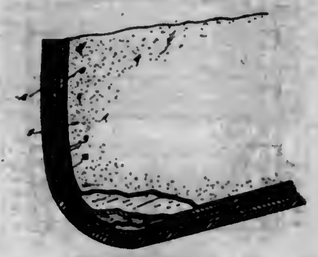


The ornamental design for a stocking, as shown.

PATENTS

GRANTED AUGUST 16, 1927.

1,638,817. SUBMARINE CRAFT. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923. Serial No. 658,949. 7 Claims. (Cl. 9—6.)



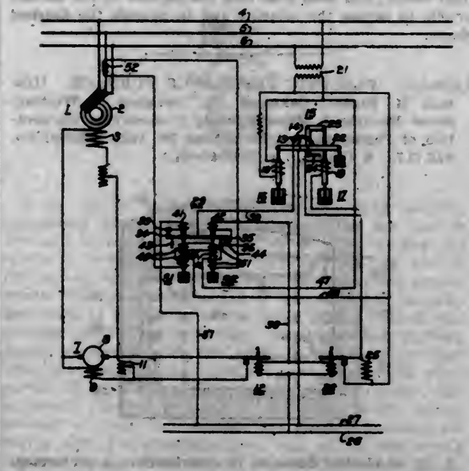
1. A marine craft hull having its walls integrally formed and comprising body plies of a material possessing a limited degree of flexibility, yieldability, and resiliency, plies of vulcanized material bonding the first mentioned plies together, and a facing of vulcanized material covering the exterior surface of the hull and constituting a cushioning medium.

1,638,818. METHOD OF FORMING SUBMARINE HULLS. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Aug. 23, 1923. Serial No. 658,950. 1 Claim. (Cl. 9—6.)



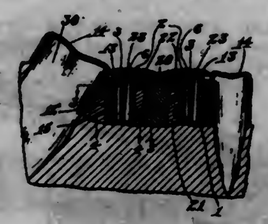
The method of producing a composite marine craft hull which comprises providing a hollow mold of an internal contour conforming to the external contour of the hull, placing alternate layers of rubber and thin wood within the mold, the first and last layers being rubber and the wooden layers being shaped to conform to contour of the hull, closing the mold, introducing steam to vulcanize the rubber and effect union thereof with the wooden layers and form a hull of a unitary construction, and bodily remove the hull from the mold.

1,638,819. OVERLOAD PROTECTIVE DEVICE. JOHN H. ASHBAUGH, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 28, 1925. Serial No. 53,073. 12 Claims. (Cl. 171—119.)



1. In a regulator system, a dynamo-electric machine having a field winding, means comprising a regulator for controlling the excitation of said field winding, current-limiting means for said machine for preventing excessive leading current, and current-limiting means for said machine for preventing excessive lagging current.

1,638,820. METHOD OF AND APPARATUS FOR BRIDGE ATTACHMENT. DAVID BARATT, Roxbury, Mass. Filed Jan. 23, 1924. Serial No. 687,900. 8 Claims. (Cl. 32—12.)

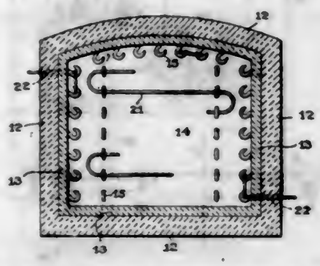


1. The improved process of applying bridgework between abutting teeth, which consists in fitting a pair of male members adjacent the abutting teeth in parallel upright relationship, then applying a bridge thereto, said bridge being fitted with interlocking female members, and thereupon applying removable expanding threaded means to rigidly secure the bridge in position.

1,638,821. PLASTIC PROCESS. GEORGE BENTLEY BERGEN, Sr., Milwaukee, Wis. Filed Dec. 2, 1925. Serial No. 72,837. 4 Claims. (Cl. 18—48.8.)

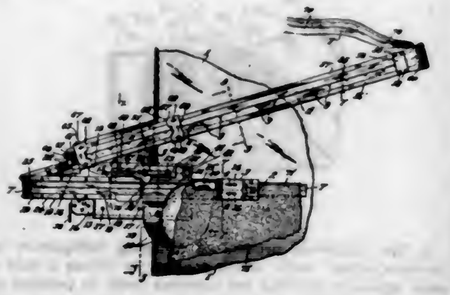
1. The method of making articles from a plastic compound consisting of combining a calcined and powdered metallic oxide and a metallic chloride solution to produce a fluid, then allowing a period of time to elapse for the initial setting, then dividing the compound into parts and adding a pigment to each separate part; then adding chloride solution to each part sufficient to maintain fluidity; then allowing time to elapse during which further setting takes place; then combining the differently colored portions into one mass; then allowing a period of time to elapse during which final setting takes place; then, before hardening takes place, kneading and working the mass to intermingle the colors and remove air or gas cavities; then molding the mass into a semblance to the final shape; and then removing the surface of the molded article to expose the coloring and to provide the finished shape.

1,638,822. ELECTRIC RESISTANCE FURNACE. HERMAN M. BIEBEL, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,717. 6 Claims. (Cl. 204—64.)



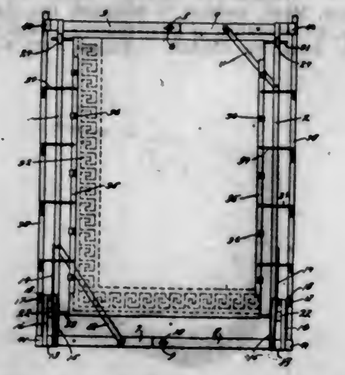
1. In an electric furnace, in combination, a preformed, relatively heavy resistor member comprising a plurality of end-connected substantially parallel-extending straight convolutions, and a plurality of spaced hook members removably mounted in and interlocked with a wall of said furnace for supporting said resistor member.

1,638,823. TAPE REVERSING AND FEEDING ATTACHMENT FOR SEWING MACHINES. GLENN BOODONOFF, New York, N. Y., assignor of one-half to R. K. M. Mfg. Co., Newark, N. J., a Corporation of New Jersey, and one-half to Alberts Mfg. Co., Inc., Hackensack, N. J., a Corporation of New Jersey. Filed Sept. 20, 1922. Serial No. 589,300. 22 Claims. (Cl. 112—152.)



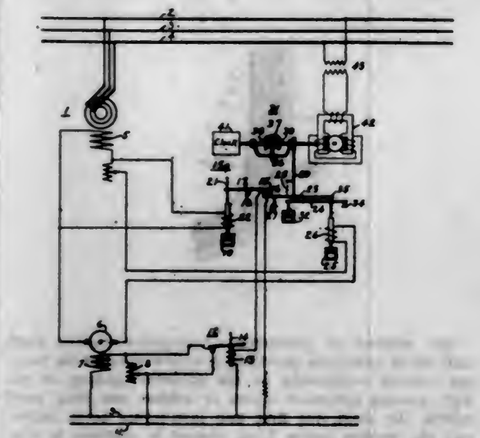
1. A guiding means for sewing machines for sewing fastener provided tape to garments, comprising a plurality of guide-members for receiving and guiding the tape to the sewing machine needles, and means interposed between the said guide-members for reversing the tape as it passes from one guide-member to the other guide-member, combined with a feed-plate, said plate being formed with a fastener-receiving channel.

1,638,824. CURTAIN STRETCHER. LEON N. BOURDEAU, Rock Island, Ill. Filed Dec. 3, 1923, Serial No. 678,327 Renewed Nov. 17, 1926. 6 Claims. (Cl. 45—24.)



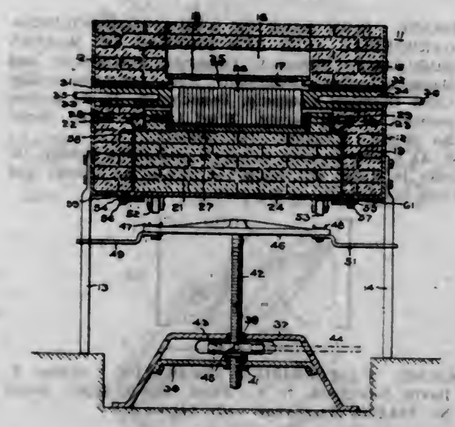
2. A device of the class described, comprising a rectangular frame, formed of a pair of spaced-apart side-pieces, connected by foldable braces; foldable feet for said side-pieces, and foldable braces therefor; rod supporting arms supported horizontally on the upper parts of said side-pieces, and capable of a sliding adjustment thereon; clamping frames supported on said feet; and rod-holding bars, secured horizontally in said clamping-frames, so as to be capable of a limited adjustment therein, vertically, and in alignment with said rod-supporting arms.

1,638,825. REGULATOR SYSTEM. WILLIAM M. BRADSHAW and JOHN H. ASHBAUGH, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 28, 1925. Serial No. 53,044. 10 Claims. (Cl. 171—229.)



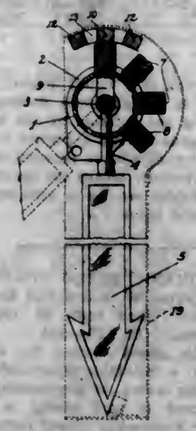
1. In combination, a dynamo-electric machine having a field winding, means for regulating the excitation of said field winding comprising two cooperating contact members, means for actuating one of said contact members in accordance with the voltage impressed on said field winding, and means for actuating the other of said contact members in accordance with the current flowing through said field winding.

1,638,826. REMOVABLE FURNACE HEATING UNIT. EDWARD J. BRANNIGAN, Buffalo, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 29, 1924. Serial No. 709,730. 2 Claims. (Cl. 204—64.)



1. In an electric furnace, the combination with an open-bottom refractory furnace structure, and a plurality of terminal electrodes mounted therein, of a refractory closure member for said structure movable into its operative position in a substantially vertical direction, and a resistor member mounted on said closure member and engageable by said electrodes when said closure member is in its proper operative position.

1,638,827. SIGNAL-OPERATING MECHANISM. EMMETT J. CAIN, Lodi, Calif. Filed Apr. 1, 1926. Serial No. 98,948. 1 Claim. (Cl. 177—327.)



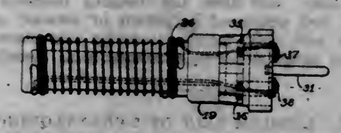
An operating mechanism for a signal comprising a shaft on which to mount the signal, an armature mounted in connection with the shaft and projecting from one side thereof, a plurality of relatively fixed magnets to attract the armature, said magnets being disposed between the shaft and armature and arranged in spaced relation to each other and concentric with the shaft, another armature on the shaft between said shaft and the magnets and radially alined with the first named armature, an additional armature disposed to one side of the first named armature, and means for mounting said additional armature in non-magnetic connection with the shaft.

1,638,828. ELECTRIC SNAP SWITCH. ARTHUR CARLING, Hartford, Conn., assignor, by mesne assignments, to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed Apr. 26, 1926. Serial No. 104,819. 2 Claims. (Cl. 200—67.)



1. An electric switch including a supporting member, comprising spaced sides and a connecting top portion provided with an opening, one of the sides at one end having a laterally projecting terminal stop lug and at the opposite end having a substantially segmental shaped recess, the sides each having a lug extending laterally therefrom at the center of the lower portion thereof and forming pivots, an oscillatory switch member approximately U-shaped with the sides of the same at their inner portions directed outwardly, resulting in the outer portion of the switch member being reduced in width, said outwardly directed portions of said arms of the switch member at their free ends having bearing openings engaging over the aforesaid pivot lugs of the supporting member, one of the arms of the switch member having an inwardly directed element projecting into the aforesaid segmental shaped recess in one side of the supporting member for cooperation with one end of said segmental recess to limit swinging movement of said switch member in one direction and the aforesaid stop lug on one side of the supporting member limiting the movement of the switch member in the opposite direction, an operating lever pivoted between the sides of the supporting member and a spring connection between the switch member and the operating lever, the aforesaid inwardly directed element projecting from one of the arms of the switch member extending into the path of the operating lever to provide a positive "kick-off" for the switch member.

1,638,829. ELECTRIC-HEATER UNIT. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1924. Serial No. 711,589. 3 Claims. (Cl. 219—19.)



1. An electric heating unit for a reflector having an axial opening therein, said heating unit being adapted to be located in said opening and rearwardly removable therefrom and comprising a single tubular refractory member having a front portion of reduced diameter for receiving and supporting a resistor member, an intermediate portion having a diameter larger than said

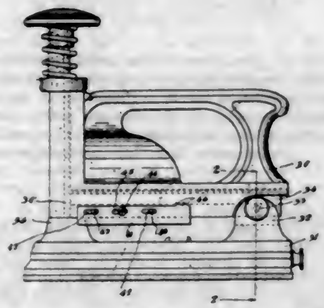
front portion, and a rear portion having a diameter larger than that of said intermediate portion and having terminal pins operatively secured against the rear face thereof.

1,638,830. TOOTH FACING. GEORGES COUTIF, Paris, France. Filed Jan. 14, 1927, Serial No. 161,114, and in France Mar. 5, 1926. 5 Claims. (Cl. 32—9.)



1. A porcelain tooth-facing comprising an outer front wall progressively reduced in thickness from its crown to its mouth for merging with the gingival face, a rearward crown extension of said wall, a hollow recess delineated by said front wall and rearward extension, and a dovetailed groove formed in the back face of said front wall and having a depth gradually decreasing, as the thickness of said wall and a width decreasing in the opposite direction.

1,638,831. STAPLER. JOHN B. CADFOOT, Chicago, Ill. Original application filed May 7, 1925, Serial No. 28,545. Divided and this application filed Oct. 19, 1925. Serial No. 63,241. 2 Claims. (Cl. 1—2.3.)



2 A stapler comprising a base and a stapling body removably mounted thereon; two gauge plates mounted on opposite sides of said body to overlap the sides of said base, said plates being provided with slots adjacent the upper edges thereof; and securing members passing through said slots and adjustably securing said plates to said body, said slots and securing members being arranged and positioned to permit of reversal of said plates on said body, thereby rendering said plates inoperative as gauge members, substantially as described.

1,638,832. LITHIUM SALT OF 2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND PROCESS OF MAKING THE SAME. MOSES L. CROSSLEY, Boundbrook, and MAURICE L. DOLT, Somerville, N. J., assignors to The Calco Chemical Company, Boundbrook, N. J., a Corporation of New Jersey. Filed June 9, 1925. Serial No. 36,010. 5 Claims. (Cl. 260—39.)

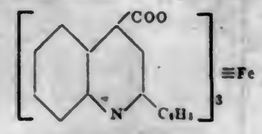
1. As a new product, the lithium salt of 2-phenylquinoline-4-carboxylic acid.

1,638,833. MERCURY SALT OF 2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND PROCESS OF PRODUCING THE SAME. MOSES L. CROSSLEY, Boundbrook, and MAURICE L. DOLT, Somerville, N. J., assignors to The Calco Chemical Company, Boundbrook, N. J., a Corporation of New Jersey. Filed June 9, 1925. Serial No. 36,011. 6 Claims. (Cl. 260—13.)

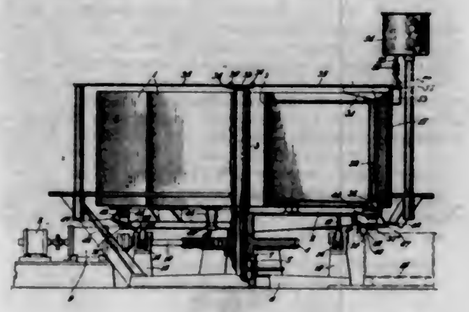
2. As a new product, a yellowish white, non-crystalline organic salt, insoluble in water and in all ordinary organic solvents such as ethyl and methyl alcohols, acetone and benzene and corresponding to the formula $(C_{15}H_{10}N.CO_2)_2Hg$.

1,638,834. IRON SALT OF 2-PHENYLQUINOLINE-4-CARBOXYLIC ACID AND PROCESS OF MAKING THE SAME. MOSES L. CROSSLEY, Boundbrook, and MAURICE L. DOLT, Somerville, N. J., assignors to The Calco Chemical Company, Boundbrook, N. J., a Corporation of New Jersey. Filed June 9, 1925. Serial No. 36,012. 8 Claims. (Cl. 260—11.)

2. As a new product, a brown amorphous powder, insoluble in water, but soluble in alcohol or acetone and having the formula as follows:



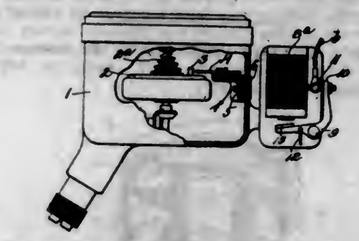
1,638,835. PASTEURIZING APPARATUS. ALBERT J. DAVIS, New York, N. Y. Filed June 9, 1926. Serial No. 114,639. 11 Claims. (Cl. 141—1.)



1. The combination of a liquid holder, means for supporting the same in upright fluid holding position, and means for washing the interior of the holder while so supported, said means having a control valve, means for producing a relative movement between said holder and said valve, and automatic means for opening said control valve when said holder reaches a predetermined position with respect to said valve.

1,638,836. AUTOMATIC SPEED CONTROL FOR MOTOR CARS. LESLIE W. DAVIS and EDMUND S. BURSLEY, Dexter, Me. Filed Sept. 22, 1924. Serial No. 739,001. 1 Claim. (Cl. 175—355.)

In an automatic speed control for motor cars, the combination with a rotatable speed-indicating member and its surrounding casing, of a circumferentially adjustable bracket secured to said casing, a motor ignition circuit containing a normally closed switch, a shunt circuit including an electro-magnet arranged, when energized, to open said switch, a spring-actuated lever pivotally mounted on said adjustable bracket and adjustable therewith circumferentially of the speed-indicating member, said lever being also arranged to be engaged in its different positions of adjustment by said indicating member and forming a normally open contact member mov-



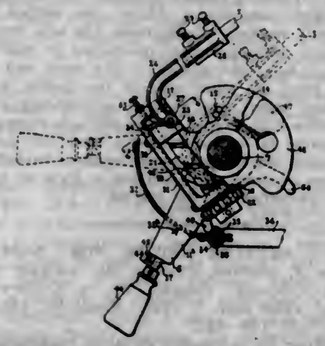
able to circuit-closing position by engagement with said speed-indicating member at predetermined speed-indicating positions thereof, substantially as described.

1,638,837. TRAVELING CASE. ALAN B. DEITSCH, New York, N. Y., assignor to Deitsch Brothers, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1925. Serial No. 78,543. 1 Claim. (Cl. 190—41.)



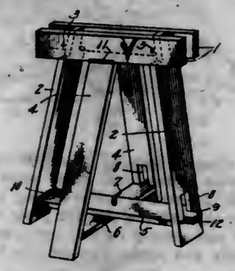
A traveling case comprising a main member having a bottom wall, a top wall, end walls and a rigid side wall extending beyond the bottom wall, that portion of each end wall below the bottom wall being of substantially triangular form, a cover member having top and bottom walls, a side wall and end walls, the last named bottom wall being enlarged and the end walls being enlarged at their base to form substantially triangular extensions.

1,638,838. OPERATING MECHANISM FOR ELECTRIC CONTROLLERS. CLARENCE T. EVANS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 21, 1923. Serial No. 663,974. 9 Claims. (Cl. 175—312.)



1. The combination with a plurality of rheostats, of a master operating member therefor and adjustable operative connections between said rheostats and said member providing for simultaneous operation of the former by the latter at the same speed or at preselected relative speeds.

1,638,839. TABLE SUPPORT. CHARLES K. FARMER, Grand Rapids, Mich., assignor of one-half to Fred Z. Pantlind, Grand Rapids, Mich. Filed May 31, 1924. Serial No. 717,050. 2 Claims. (Cl. 304—5.)



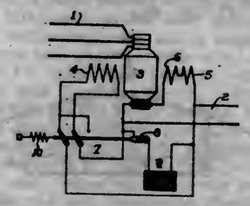
1. In a horse for temporarily supporting banquet table tops, top girts located parallel with each other, legs pivotally mounted at one end between said girts so their lower ends may be adjusted longitudinally of said girts, legs pivotally mounted upon the sides of the girts so their lower ends may be adjusted sidewise of the girts, cross braces pivotally mounted upon two of said legs near their lower ends, the opposite ends of said cross braces temporarily secured to the opposite legs of the horse to prevent lateral movement of said legs.

1,638,840. SAFETY DEVICE FOR AEROPLANES. ARTHUR E. FIXEL, Detroit, Mich. Filed Nov. 9, 1925. Serial No. 67,809. 5 Claims. (Cl. 244—21.)



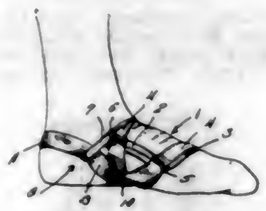
1. A parachute comprising a cover, a plurality of elastic ribs therefor secured to said cover and hinged to a common central member in such manner as to permit lateral movement, and spring means associated with the ribs and tending to move them to radial arrangement.

1,638,841. AUTOMATIC SYNCHRONOUS-CONVERTER SYSTEM. JULIUS E. FOSTER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1923. Serial No. 677,558. 4 Claims. (Cl. 171—123.)



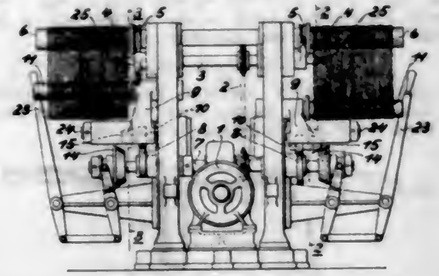
1. The combination with a supply circuit, a distribution circuit, and an electrical translating device connected therebetween, of rectifying means connected across the terminals of the translating device, and means so connected in series with the rectifying means as to be energized only when the polarity of the translating device is incorrect for effecting reversal of said polarity.

1,638,842. MULTIPLE-ARCH SLING. ELLWYN DE L. GEORGE, Canon City, Colo. Filed Sept. 4, 1924. Serial No. 735,874. 2 Claims. (Cl. 128—166.)



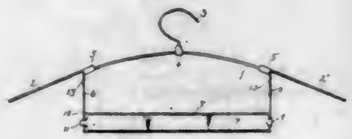
1. A foot sling comprising a saddle fashioned to fit upon the dorsum of the foot, guide loops at the corners of said saddle, an elastic strap having its intermediate portion passed through the opposed guide loop at one end of the saddle and having its end portions crossing each other diagonally and passed through the remaining guide loops.

1,638,843. MACHINE FOR STRETCHING HANKS OR SKEINS. WILHELM GERBER, Krefeld, Germany. Filed Mar. 28, 1927, Serial No. 178,904, and in Germany Oct. 30, 1926. 12 Claims. (Cl. 28—58.)



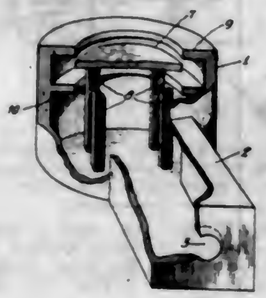
1. In a hank stretching machine, a rotary driving roller, a rotary and vibratory beating roller, and means for periodically rotating the driving roller when the beating roller is not vibrating and is at the limit of its distance from the driving roller, and for vibrating the vibrating roller when the driving roller is not rotating.

1,638,844. GARMENT HANGER. HARRY GIBSON, Los Angeles, Calif. Filed May 24, 1924. Serial No. 715,543. 5 Claims. (Cl. 223—62.)



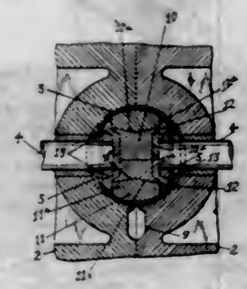
1. In a device of the class described, in combination, a top member, end pieces depending therefrom, a lower member positioned between said end pieces and embraced thereby, said end pieces being provided with cut-away portions functioning to support the loops of a garment, and a hook pivotally mounted upon said top member, the pivot of said hook being at right angles thereto, whereby said hook may be swung above said top member, when the device is in use, and below said top member and between said end pieces, when the device is out of use.

1,638,845. VARNISH FIRE. DAVID E. GOGGIN, New York, N. Y. Filed Jan. 24, 1927. Serial No. 162,955. 8 Claims. (Cl. 263—14.)



1. A varnish treating fire embodying an imperforate slab of refractory material, and means for directing a flame against said slab and entirely around the same for the purpose of heating the same to a substantially incandescent state, whereby the slab is adapted to radiate heat for the purpose of heating a varnish kettle.

1,638,846. MULTIPART CORE. MARIUS GUIOT, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 29, 1924. Serial No. 695,902. 5 Claims. (Cl. 22—168.)



1. A new and improved multipart core, for a cup shaped casting having an inwardly directed circumferentially extending flange adjacent to the open end thereof which comprises a center core section having longitudinally recessed side surfaces, the said recesses of two opposite sides gradually decreasing in width from the inner ends of the section to the outer end thereof and also from the outer side of the section inwardly thereof, and outer core sections surrounding the said center section and having raised portions corresponding to and seating in the said recesses when the core parts are assembled, the assembled core sections having an annular recess in their outer surfaces to form an inwardly extending projection on the casting.

1,638,847. SHUTTER COVER FOR RADIATORS. FRANCIS F. HANSEN, Chicago, Ill., assignor to Star Shutter Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1926. Serial No. 133,935. 4 Claims. (Cl. 180—61.)

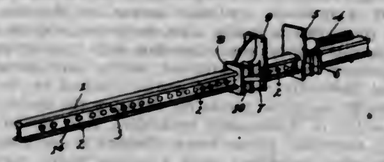
1. A shutter for automobile radiators comprising a thin sheet metal plate having a plurality of elongated slots therein and a laterally offset outer edge adapted to be

secured against the radiator, a second sheet metal plate between said first named plate and the radiator and slidably secured to said first named plate, said first named plate having an in-struck apertured portion adjacent the center thereof whereby the central portion thereof may be directly secured to the radiator front, said second plate



having elongated slots therein adapted to be moved into and out of alignment with said first named slots by sliding said second plate, and said second plate having an opening therethrough elongated in the direction in which said second plate slides, and receiving the said in-struck apertured portion on said first named plate.

1,638,848. CLAMP. JOHN M. HARGRAVE, Cincinnati, Ohio. Filed Apr. 23, 1925. Serial No. 25,444. 1 Claim. (Cl. 144—303.)

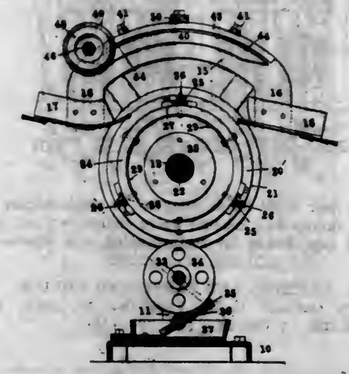


A metallic clamp comprising a straight I shaped bar having interspaced notches died out in the median lengthwise portion thereof, a clamping member having a pawl for engaging the notches, said member fitting the I shaped bar and being adjustable longitudinally of said bar, and a co-operating clamping member shaped so as to also engage the bar, said clamping member provided with means for the gradual adjustment thereof with relation to said first mentioned clamping member and both clamping members having thin clamping portions extending clear of the plane of the supporting bar.

1,638,849. METHOD OF MAKING RESISTOR ELEMENTS. EARL J. HAVERSTICK, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1923. Serial No. 637,376. 11 Claims. (Cl. 201—76.)

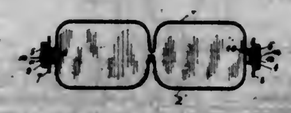
10. A method of making resistors which comprises making a mixture of materials calculated to give the proper resistivity, adding a small amount of a water glass solution thereto, forming the resistor, strengthening the same by immersing the resistor in a water glass solution, washing the same in hot water and then drying at a temperature of 150°–200° C.

1,638,850. CAN-PRINTING MACHINE. WILLIAM F. HERRANK, Highland, Ill., assignor to Pet Milk Company, St. Louis, Mo., a Corporation of Delaware. Filed June 1, 1926. Serial No. 112,775. 7 Claims. (Cl. 101—40.)



1. In a device of the class described, the combination with a rotary member, of an impression device carried thereby, an arcuate spring presser bar cooperating with the article to be marked when the impression device co-operates therewith, and means for forcing the article between the rotary member and presser bar, said means comprising a feed wheel having a resilient tread.

1,638,851. EYE PROTECTOR. EUGEN HEENTSCH, Frauenfeld, Switzerland. Filed Feb. 27, 1926. Serial No. 91,057, and in Switzerland Mar. 14, 1925. 1 Claim. (Cl. 2—10.)

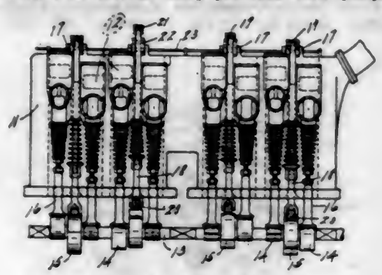


An eye protector for attachment to a head covering, comprising in combination, a goggle frame, temple members extending from said frame in extended U-shape and of spring character, and the extremities of each U-member bent outwardly, a guide member for each temple member designed for attachment to the head covering and each comprising a supporting plate, and a sheath presenting lateral apertures near the inner ends of its narrow longitudinal walls for cooperation with the outwardly bent extremities of said U-springs in the outermost position of the U-members relative to the sheaths, the shanks of said U-spring members slidably guided in said sheaths, and each sheath mounted on its supporting plate for swinging movement in a plane parallel to that of supporting plate, and snap-spring means for relatively locking the sheaths and their supporting plates in the operative position of the goggle frame.

1,638,852. CYLINDER FOR GASOLINE ENGINES. WILLIAM B. HILGER, Riverton, Iowa. Filed Mar. 31, 1924. Serial No. 703,014. 3 Claims. (Cl. 123—78.)

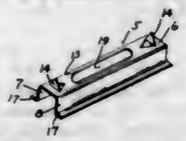
1. In a device of the kind described embodying in conjunction with the cylinder block of a combustion engine,

sleeves engaging the inner periphery of the cylinders of said block, said sleeves being provided with peripheral



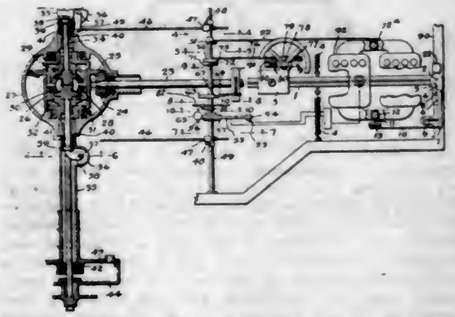
apertures near their heads adapted to communicate with staggered intake and exhaust valve chambers; and a cam shaft and cam means for reciprocating said sleeves.

1,638,853. FURRING AND FASTENING DEVICE. LEON HOMMEL, Oakland, Calif. Filed Dec. 29, 1923. Serial No. 683,350. 2 Claims. (Cl. 72—118.)



1. A device for holding plaster netting in spaced relation to a wall surface, comprising an elongated member having a base portion arranged to set against said surface, and flanges extending angularly from said base and arranged to engage said netting, said base portion having an elongated opening therein extending longitudinally thereof and between said flanges.

1,638,854. MOTOR VEHICLE. GUSTAF EMANUEL JOHANSON, Sundsvall, Sweden. Filed Sept. 17, 1925. Serial No. 56,907, and in Sweden Jan. 2, 1923. 20 Claims. (Cl. 180—82.)

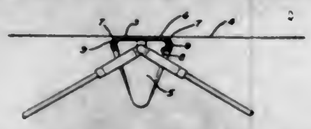


1. In combination, a motor vehicle, a motor for said vehicle, a fuel supply for said motor and means responsive to the developing of centrifugal force by change of course of said vehicle to control said fuel supply.

1,638,855. ALLOY. LOUIS JORDAN and GEORGE WILLARD QUICK, Washington, D. C., assignors to The United States of America, represented by the Secretary of Commerce. Filed Dec. 27, 1926. Serial No. 157,433. 3 Claims. (Cl. 75—1.) (Granted under the act of Mar. 3, 1883, 22 Stat L., 625.)

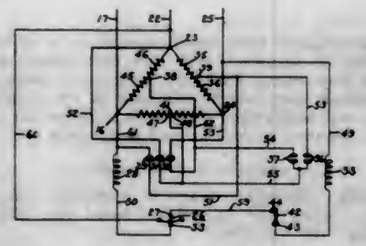
1. An iron alloy containing from approximately 2 to approximately 4 per cent carbon, and from approximately 10 to approximately 15 per cent vanadium.

1,638,856. PANTOGRAPH TROLLEY SHOE. OSMUND M. JORSTAD, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 20, 1923. Serial No. 681,755. 5 Claims. (Cl. 191—55.)



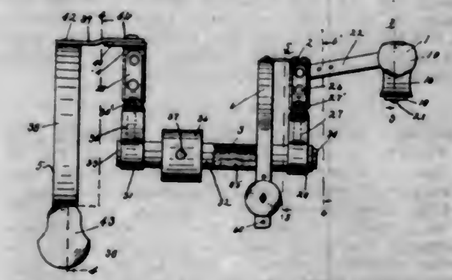
1. A current collector of the pantograph type comprising a conductor member having its trailing tip of relatively high resistance.

1,638,857. ELECTRIC FURNACE. ALVIN D. KERNS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1925. Serial No. 69,033. 10 Claims. (Cl. 204—64.)



1. In combination, in an electric furnace, a plurality of resistors uniformly distributed, initially connected in delta, and adapted for energization by a polyphase power supply, a thermally controlled means for changing said delta connection to double delta connection and for maintaining said double delta connection until a predetermined temperature has been attained within said furnace, a second thermally controlled means actuated by the first thermally controlled means for changing the double delta connection to double star connection, said second thermally controlled means being effective to maintain the double star connection until a second higher predetermined temperature has been attained and to change said double star connection to single delta connection and to maintain last named connection until the higher temperature has been lowered to the first predetermined temperature.

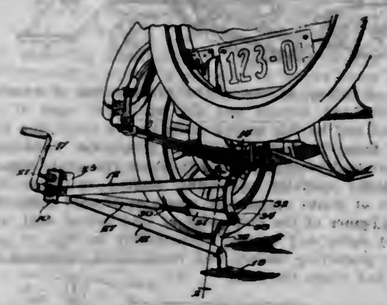
1,638,858. PIANO PRACTICE EXERCISER. EVA KELLER, Pasadena, Calif. Filed Oct. 27, 1925. Serial No. 65,118. 20 Claims. (Cl. 84—468.)



1. A piano practice exerciser comprising in combination a hand weight to be attached to the back of a person's hand, an arm piece having means to secure same to a

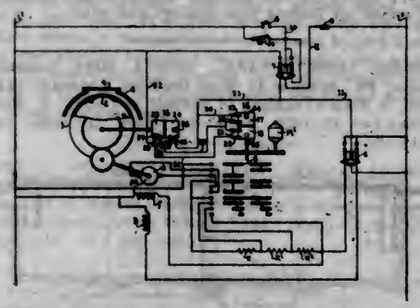
person's forearm, an elbow oscillating weight suspended from the forearm, adjacent the elbow and a weighted wrist piece adapted to engage the wrist, having a resilient strip with a weight depending below the wrist.

1,638,859. JACK. WILLIAM L. KNOWLES, Fostoria, Ohio. Filed Dec. 21, 1925. Serial No. 76,755. 3 Claims. (Cl. 254—126.)



3. A lifting jack comprising a head provided with trunnions at opposite sides, bars mounted at one end on the trunnions and having their opposite ends bent laterally in opposite directions toggle links connecting the laterally bent ends of the bars, a rod pivoted at one end to the toggle links, a shaft mounted in the head, a member coupled to the shaft and having screw thread connection with the other end of the said rod, and a second shaft mounted in the head and geared to the first mentioned shaft to admit of power being applied directly or indirectly thereto as required.

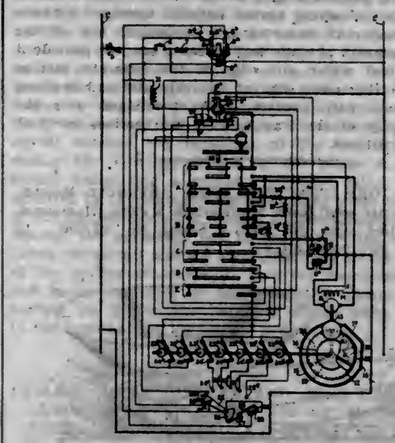
1,638,860. CONTROLLER FOR MOTOR-DRIVEN APPARATUS. RALPH G. LOCKETT, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 31, 1921, Serial No. 473,997. Renewed Jan. 9, 1926. 12 Claims. (Cl. 192—148.)



1. In a controller for motor driven apparatus, in combination, means to direct stopping of the driving motor and means tending to render the former means ineffective for stopping pending given positioning of a part of the driven apparatus and concurrent operation of the driving motor at a given speed.

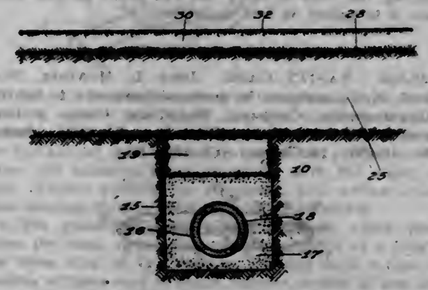
1,638,861. CONTROLLER FOR MOTOR-DRIVEN DEVICES. RALPH G. LOCKETT, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 31, 1924. Serial No. 689,609. Renewed Jan. 7, 1927. 17 Claims. (Cl. 192—148.)

1. In a motor controller adapted to effect periodic reversal of operation of the driven device, the combination with means to pre-set the controller for stopping and for pre-selecting individually a plurality of positions for stop-



ping of the device, of associated means providing for subsequent automatically positioned stopping of the device in preselected position.

1,638,862. GOLF GREEN. LOUIS J. P. LOTT, Dayton, Ohio. Filed June 18, 1923. Serial No. 646,113. 1 Claim. (Cl. 47—1.)



A golf green of the character described, in which specially prepared grass bearing material is spread upon the prepared surface of the ground, consisting of a germinating layer composed of an admixture of shredded peat moss, soil, and bone meal; a nourishing layer consisting of shredded peat moss, soil, cow manure, bone meal, and sand; a long lived fertilizing layer consisting of crushed chicken bone; a deep rooting layer consisting of manure, soil, shredded peat moss, and sand; and means for draining away the excess moisture passing downwardly through the said layers.

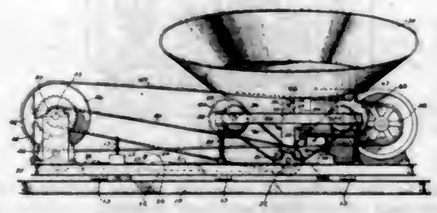
1,638,863. KNOCKDOWN SHOW CASE. PARIS M. MABE, Muskogee, Okla. Filed June 26, 1925. Serial No. 39,759. 1 Claim. (Cl. 45—71.)



A collapsible case to be fitted over the upturned edge of a supporting tray, said case including inwardly foldable end sections, inwardly foldable side sections, a rectangular
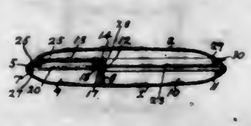
frame to which the side and end sections are pivotally connected, a pair of hinged covers for the case, each of the sections embodying spaced metallic members between which transparent members are supported, one of the metallic members of each section being bent to provide a flange against which one edge of the adjacent section moves, and the lower edge of the side and end sections being formed with grooves to be positioned over the upturned edge of the tray to hold the sections in their extended positions.

1,638,864. ORE CONCENTRATOR. Kennedy Monthfeed Mathe and John Monthfeed Mathe, Hammond, Ind. Filed Apr. 30, 1925. Serial No. 27,000. 12 Claims. (Cl. 209—146.)



1. In an ore concentrator, a frame, a lever fulcrumed on the frame, a pan pivotally connected to the lever, eccentrics mounted on substantially horizontal axes and supporting the pan near the ends thereof, and means for swinging the lever to move the pan in an arcuate path while it is guided on said eccentrics.

1,638,865. VANITY CASE. John L. McAtree, New York, N. Y., assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 30, 1925. Serial No. 40,480. 14 Claims. (Cl. 132—83.)



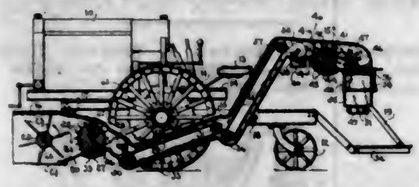
1. In a vanity box, the combination of a body having an inturned peripheral flange, an outer cover for the body, and a hinge pivotally uniting these parts, which hinge lies under the flange of the body and is entirely concealed thereby when the box is closed.

1,638,866. SCARIFIER AND ROAD PLANER. Francis A. McDonna, Englevale, and Roger E. Lloyd, Valley City, N. Dak. Filed Nov. 27, 1925. Serial No. 71,713. 2 Claims. (Cl. 262—8.)



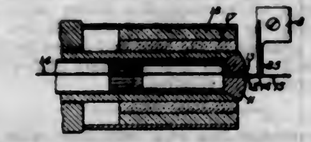
2. In a device of the character described, a main frame, toothed bars extending across the frame and meeting at an approximately central point, the bars being at an obtuse angle with reference to each other, means for varying the elevation of the bars, said means including links connected respectively with the bars, an arm with which the links are connected, said arm including an off-set toothed element rotatable about a horizontal axis, a threaded element meshing with the teeth, the threaded element being rotatable about a vertical axis, and means for effecting such rotation.

1,638,867. COTTON HARVESTER AND CLEANER. Pink M. Melton, Memphis, Tex. Filed Dec. 27, 1922. Serial No. 609,234. 8 Claims. (Cl. 56—35.)



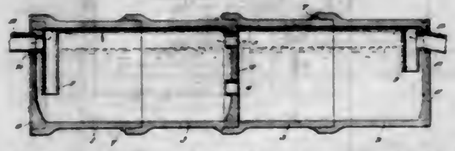
1. In a cotton harvester, the combination of a housing having top, bottom and side walls and open at its front end and having spaced guide fingers projecting forwardly from its bottom wall, a transverse horizontal roller rotatably mounted directly above the guide fingers and having radially projecting fingers to draw the branches of stalks rearwardly, the axis of said roller being in advance of the front edge of said botton wall, and a spiked roller and concave immediately in rear of said radially projecting fingers and cooperating therewith to detach and crush the bolls.

1,638,868. APPARATUS FOR FORMING TUNGSTEN FILAMENTS. William L. Miller, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 14, 1923. Serial No. 651,590. 4 Claims. (Cl. 153—67.)



1. A device for forming wire filaments comprising a head-stock and a tail-stock mounted upon a suitable support, a spring collet having a central opening adapted to receive a mandrel and an eccentric opening to receive a wire to be wound, said collet being secured in said head-stock, a suport for said mandrel secured to said tail-stock and means for heating said mandrel and wire.

1,638,869. SEPTIC TANK. Fred J. Moss, Conneaut Lake, Pa., assignor to Moss Brothers, Conneaut Lake, Pa., a Firm consisting of himself and Enos T. Moss. Filed Dec. 15, 1925. Serial No. 75,593. 1 Claim. (Cl. 210—6.)

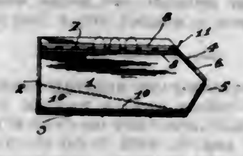


A septic tank comprising a plurality of lengths of stock pipe arranged end to end, and intermediate and terminal lengths having inset end walls of cement, the intermediate length having upper and lower openings in its end wall in which short pieces of pipe are set, and branch stock pipe having the branches set into the top portion of the end walls and having the upper end terminating a slight distance from the top of the tank and the lower end a short distance from the bottom of the tank.

1,638,870. DEVICE FOR CANDLING EGGS. Edward H. Mueller, Pittston, Pa. Filed Jan. 27, 1923. Serial No. 615,309. 1 Claim. (Cl. 99—6.)

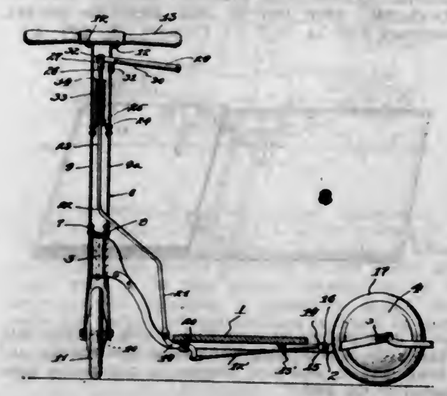
A candling device for eggs comprising a bottom, back and two end sections, a front section extending the length

of the device consisting of an upper and lower portion joined together at an outwardly extending acute angle, the upper front section being provided with an elongated



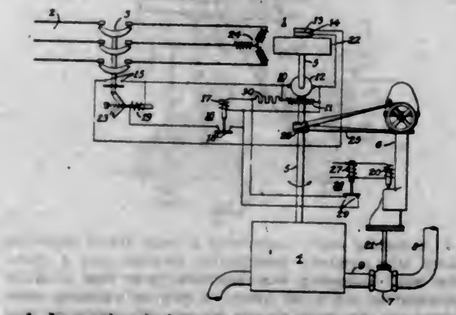
slot extending substantially the length of the device, the top section having a plurality of spaced holes therein for seating eggs with their long axes perpendicular.

1,638,871. SCOOTER. Frank A. Nauts, Toledo, Ohio, assignor to Gendron Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 19, 1926. Serial No. 103,029. 4 Claims. (Cl. 188—20.)



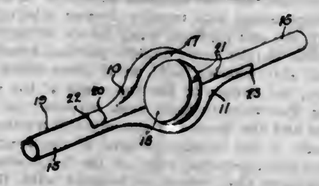
1. In a child's vehicle, the combination with a frame, a steering post pivotally mounted on said frame, a wheel carried by said steering post, and a second wheel carried by said frame, of a brake shoe engageable with one of said wheels, a rod operatively connected to said brake shoe and slidably supported on said steering post and a lever fulcrumed on said steering post and pivotally connected to said rod in alignment with the pivotal mounting of said steering post.

1,638,872. AUTOMATIC STATION. William L. Newmeyer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,575. 3 Claims. (Cl. 290—40.)



1. In an electrical translating station, the combination with a circuit, a main generator for supplying energy thereto, connecting means between the main generator and the circuit, an operating coil for the connecting means, a prime mover for driving the main generator, a source of energy for the prime mover, a field-magnet winding for the main generator, and an exciter generator driven by the prime mover and adapted to supply energy to the field-magnet winding of the main generator, of means for admitting energy to the prime mover from the source in response to predetermined conditions to start the prime mover from rest, means for connecting only one circuit between the terminals of the exciter generator during the starting period of the prime mover, said circuit comprising a voltage-responsive relay, a switch actuated by the voltage-responsive relay when the voltage of the exciter generator attains a predetermined value to connect the operating coil of the connecting means between the circuit and the main generator to the terminals of the exciter generator to close the connecting means, and means actuated by the connecting means for connecting the field-magnet winding of the main generator to the terminals of the exciter generator.

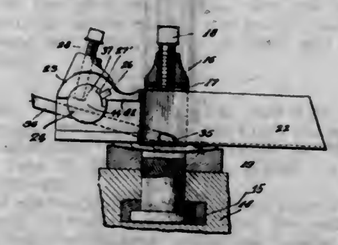
1,638,873. AXLE HOUSING AND GEAR CASING FOR AUTOMOBILES AND METHOD OF MAKING THE SAME. Frederick Palm, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed May 20, 1926. Serial No. 110,370. 14 Claims. (Cl. 29—153.)



1. An axle housing composed of two pressed sheet metal members each of less length than that of the housing as a whole, each such member having a tubular portion at one end and an open channel or trough-like portion at the other, the members being assembled with the edges of their channel portions in alignment, and welded along their meeting lines to form an integral structure.

7. The process of making axle housings, which comprises the steps of blanking two metal strips of a length less than that of the housing, drawing such strips to produce sections each having a tubular portion at one end and a channel portion at the other, assembling the sections one in reverse relation to the other with the edges of the channel portions in alignment and the outer ends of the channel portions abutting the inner ends of the tubular portions upon the other, and welding the sections at their meeting lines to constitute an integral tubular structure.

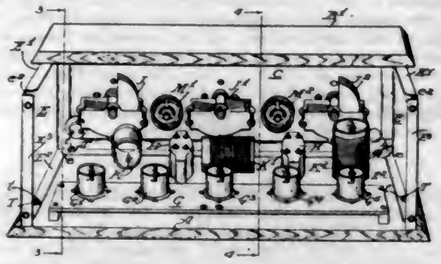
1,638,874. TOOL HOLDER FOR LATHES. John M. Palmer, Chicago, Ill., assignor of one-half to James D. O'Neil, Chicago, Ill. Filed May 4, 1925. Serial No. 27,631. 14 Claims. (Cl. 29—96.)



2. In a device of the class described, a supporting shank, a head having a circular bore in the same, a rocker member pivotally supported in said bore, said head

and said rocker member having a plurality of recesses extending into said head and said rocker member transversely to said bore, for the purpose of holding tools in various positions, and means for rocking said rocker member in said bore to clamp a tool in any recess.

1,638,875. RADIOCABINET. LEONARD E. PARKER, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 9, 1925. Serial No. 42,388. 3 Claims. (Cl. 45—52.)



1. A structure for the purpose indicated having ends and one longitudinal side member formed integrally of a metal sheet, the end portions being folded at right angles to the middle portion, said middle portion forming said longitudinal side member, said metal sheet being flanged at all edges, the flanges at the top edges of the end portions being shortened to form gaps between the ends of said flanges and the flanges of the adjacent vertical edges of said ends; a top member secured at one longitudinal edge to the corresponding edge of the longitudinal side member opposite that which is integral with the ends, said longitudinal side being dimensioned as to thickness for entering said gaps and sliding down inside the vertical flanges of said end members to lodge said top member upon the top flanges of the ends.

1,638,876. FEEDING DEVICE FOR CABLE-DRILLING TOOLS. JOHN PENROD, Okmulgee, Okla., assignor of one-half to Robert D. Thompson, Okmulgee, Okla. Filed Mar. 25, 1926. Serial No. 97,294. 3 Claims. (Cl. 255—15.)

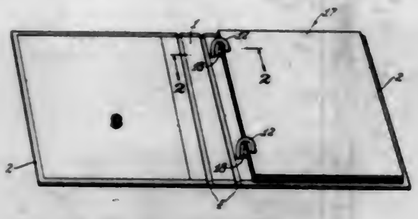


1. A hydraulic feeding device for wire lines comprising inner and outer communicating cylinders adapted for the reception of compressible and non-compressible fluids, a piston in one of the cylinders and having a rod adapted for connection with a wire line, a sleeve valve having ports adapted to establish communication between the inner and outer cylinders, and means whereby one of the cylinders may be supplied with a fluid under a high pressure.

1,638,877. STUFFING OF CHROME-TANNED HEAVY LEATHER. ROBERT HOWSON PICKARD, DOROTHY JORDAN LLOYD, and ALBERT EDWARD CAUNCE, London, England. Filed Aug. 22, 1925, Serial No. 51,875, and in Great Britain Aug. 27, 1924. 4 Claims. (Cl. 149—5.)

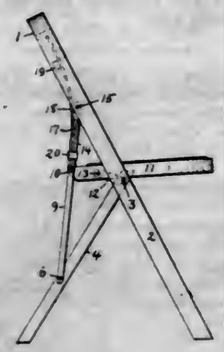
1. The manufacture of stuffed leather by steeping chrome tanned leather in the wet blue state in a bath of acetone until the water content of the leather is reduced to from 14 to 20%; removing the acetone from the leather, and then treating the latter with a suitable stuffing material.

1,638,878. LOOSE-LEAF BINDER. JOHN J. POTT, St. Louis, Mo. Filed May 24, 1922, Serial No. 563,281. Renewed Apr. 14, 1927. 7 Claims. (Cl. 129—1.)



2. A loose leaf binder comprising a back provided with a base strip, a detachable leaf-holding arch thereon and a filing post on said base adapted to hold leaves upon removal of the arch.

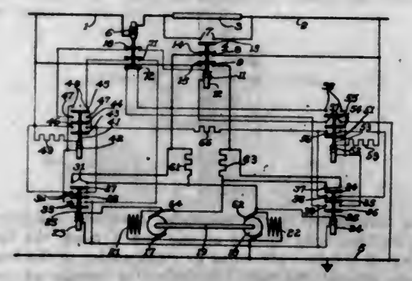
1,638,879. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed July 2, 1926. Serial No. 120,049. 5 Claims. (Cl. 155—142.)



4. A folding chair comprising a main frame including spaced side members, constituting forelegs, and a transverse rod connecting said members; rear legs pivotally connected in the main frame; a pair of swinging arms pivoted in the main frame; a pair of sustaining bars pivoted respectively on the rear legs and having limited longitudinal sliding relation with the corresponding

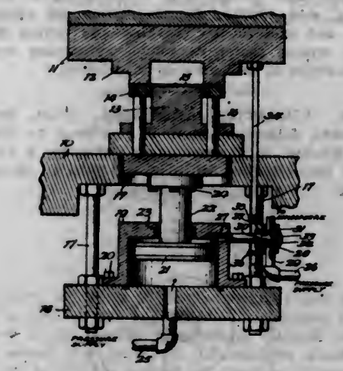
swinging arms; a seat having pivotal connection at its rear end with said sustaining bars; and links pivoted respectively at their rear ends to the seat at points thereon spaced from its rear end the opposite ends of said links having pivotal connection in the main frame.

1,638,880. AUTOMATIC RECLOSING-CIRCUIT INTERRUPTER. MAURICE E. REAGAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1923. Serial No. 675,834. 6 Claims. (Cl. 175—294.)



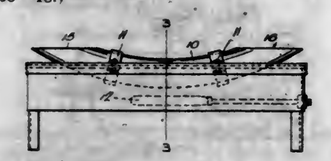
1. In combination, a direct-current transmission line having a plurality of sections, a circuit interrupter for connecting certain of said sections, a plurality of dynamo-electric machines, means controlled by said circuit interrupter when in its open position whereby one of said dynamo-electric machines is caused to operate as a motor and another of said machines is caused to operate as a generator in accordance with the section of said transmission line that is de-energized by the opening of said circuit interrupter.

1,638,881. DRAWING PRESS. FREDRICH J. RODE, Chicago, Ill., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1924. Serial No. 691,653. 6 Claims. (Cl. 113—46.)



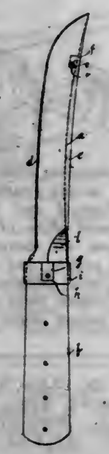
1. A drawing press including a plunger, a blank holder co-operating therewith to clamp the work, and fluid pressure cushioning means for the blank holder, said cushioning means including a cylinder and piston relatively movable one with relation to the other, means for supplying fluid pressure to the cylinder on one side of the piston, and means for directing the fluid to the opposite side of the piston, the opposite faces of the piston being of different areas.

1,638,882. APPARATUS FOR COATING ZINC BARS WITH LEAD. ADOLPH H. ROSSBACH, Columbus, Ohio. Filed June 28, 1926. Serial No. 119,055. 2 Claims. (Cl. 263—48.)



1. An apparatus for coating zinc bars with lead, consisting of a tank in tubular form having a degree of curvature permitting of the passage of a zinc bar endwise therethrough with slight flexure, the curvature of the tank being sufficient to provide upwardly opening ends with horizontal edges to form boxes for the reception of a flux at one end and a dissolvent at the other end upon the surfaces of molten lead within the tank.

1,638,883. SKINNING KNIFE. FRITZ SCHULZ, Konigsberg, Germany. Filed Mar. 13, 1926. Serial No. 94,365. 5 Claims. (Cl. 17—21.)

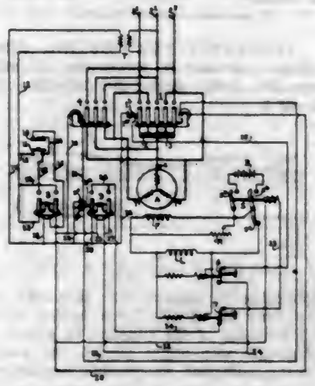


1. A skinning knife of the character set forth, comprising in combination with a conventional blade and handle, a detachable safety member, adapted to cover practically the entire blade surface with the exception of a relatively narrow cutting edge portion, and means for holding said safety member in place near its two extremities.

1,638,884. MOTOR CONTROLLER. EDWIN W. SEEGER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 30, 1922. Serial No. 571,927. 3 Claims. (Cl. 172—289.)

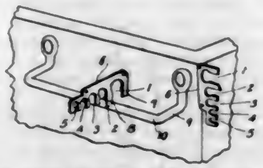
1. The combination with a synchronous motor, of means comprising electro-responsive switches for establishing starting and running power connections therefor, control means for said switches insuring establishment of said starting connections prior to establishment of said running connections and establishment of running connec-

tions upon interruption of starting connections, said means including a normally closed electroresponsive relay to be included in the field circuit of said motor and a



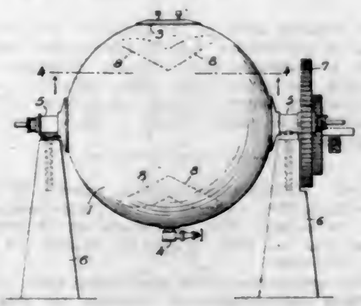
reactance to be included in the field circuit of said motor to render said relay responsive to a given voltage which is a function of the speed of said motor.

1,638,885. SAFETY-APPLIANCE GAUGE. WILLIAM B. SHEA, Kansas City, Mo. Filed Jan. 15, 1925. Serial No. 2,571. 1 Claim. (Cl. 33—168.)



In a caliper gauge comprising a flat metallic body having a plurality of teeth having aligned ends formed on a portion of one edge thereof and progressively spaced thereon, the inner opposed edges of said teeth forming external diameter gauges, an elongated tooth on said edge adjacent the said portion and a tooth on the end of said edge opposite said elongated tooth, the inner edges of said two last named teeth forming an external gauge and the outer opposed edges thereof constituting an internal gauge.

1,638,886. METHOD OF BLEACHING WOOD PULP. FREDERICK G. SHERBONDY, Akron, Ohio, and MAX E. BOEHM, Appleton, Wis. Filed Feb. 21, 1925. Serial No. 10,811. 5 Claims. (Cl. 8—2.)



1. The method of bleaching pulp which consists in enclosing a mixture of pulp and bleaching liquor within a sealed spherical container, and agitating the mixture by subjecting it to alternate spreading and concentrating flow action.

1,638,887. INSTRUMENT FOR MEASURING RE-ENTRANT ANGLES. GEORGE S. STROKMAN, Denver, Colo. Filed Oct. 21, 1924. Serial No. 744,965. 1 Claim. (Cl. 33—169.)

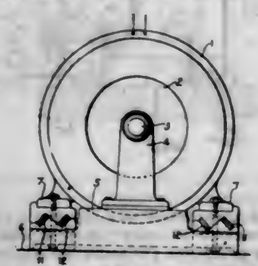


An instrument of the character described comprising an elongated body having at one end a head, the head having an end face extending at right angles to the longitudinal axis of the body and projecting equally on both sides from said longitudinal axis, the body being longitudinally grooved coincidently with the axis of the body, a slide mounted in said groove and constituting a bisector normally projecting beyond the head and being formed with a pointed extremity, the face of the body on each side of said groove having scales and the slide having pointers coacting with said scales, one of said scales indicating the angle formed by the axis of the slide with relation to lines connecting the extremity of the slide with the outer corners of the head.

1,638,888. RESISTOR MATERIAL. JOSEPH SLEPIAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 7, 1923. Serial No. 637,147. 7 Claims. (Cl. 201—76.)

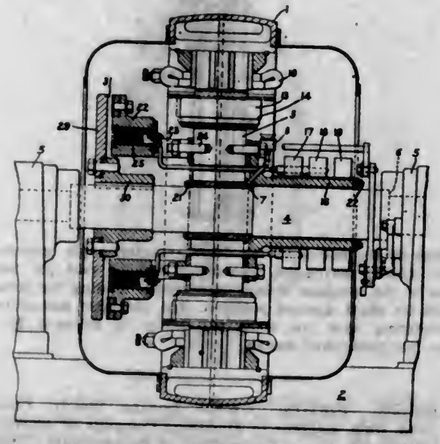
4. The method of making solid composite resistors which comprises mixing conducting ingredients, insulating ingredients and water glass solution, forming the mixture into a resistor, hardening the resistor by evaporating the water contained in the water glass solution, subjecting said resistor to the action of ammonium chloride, and subsequently washing and drying the resistor to remove therefrom soluble substances resulting from the action of said ammonium chloride.

1,638,889. VIBRATION ABSORBER. CARL RICHARD SODERBERG, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 11, 1924. Serial No. 725,382. 2 Claims. (Cl. 248—16.)



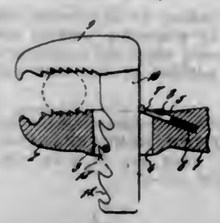
1. The combination with a dynamo-electric machine having a stator and a rotor, said stator being exposed to pulsating torsional forces, of a foundation, rotor-supporting bearings rigidly supported upon said foundation, and a spring mounting constituting the sole support of said stator upon said foundation and comprising non-diametrically disposed stator legs and beam springs secured to said legs and said foundation at spaced points, respectively, said springs being disposed parallel to the stator axis and having a rectangular cross section of which two sides are disposed in a substantially radial direction with respect to the center of the machine and are longer than the other sides.

1,638,890. DYNAMO-ELECTRIC MACHINE. STEPHEN A. STAEGE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 25, 1924. Serial No. 708,896. 2 Claims. (Cl. 172—280.)



1. A dynamo-electric machine comprising a shaft member, a rotor member mounted loosely upon said shaft member for free rotary and axial movement, a stator member surrounding said rotor member, and means for so axially moving said rotor member for providing a torque transmitting engagement between said rotor member and said shaft as to bring said rotor member out of electrical alinement with said stator member.

1,638,891. WRENCH. WILLIAM M. STOVALL, Port Angeles, Wash. Filed Sept. 11, 1925. Serial No. 55,775. 1 Claim. (Cl. 81—110.)



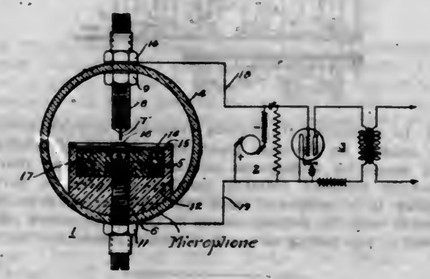
A wrench including a handle having a jaw end and having a longitudinal opening at its juncture with the said jaw, a pin passing transversely through the opening, a second jaw having a right-angular shank whose outer edge is notched and which shank is designed to be received through the opening and one of the notches thereof designed to receive therein the pin, the inner wall provided by the opening having an angularly arranged passage which enters the handle, a spring in the passage, a notched plunger in the passage contacted by the spring and forced into engagement with the inner edge of the shank, and a pin passing through the passage and received in the notch of the plunger, and said pin providing both a bearing and a retaining element for the plunger.

1,638,892. METHOD OF ARC WELDING. RICHARD STRESAU, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Dec. 8, 1922. Serial No. 605,590. 1 Claim. (Cl. 219—10.)



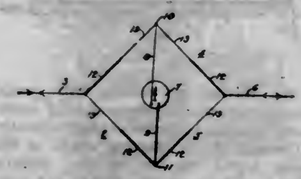
The method of attaching sputs in position which consists in providing an opening in a metal sheet with an upstanding ring, forming a sput with an annular rib on the face thereof, said ring and rib having substantially the same gauge to present equal thermal conditions, arranged the sput in the opening with the edges of the ring and rib aligned to form a welding surface, and fusing the ring and rib by means of an electric arc to unite the parts into an integral structure.

1,638,893. GLOW-DISCHARGE MICROPHONE. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 24, 1924. Serial No. 701,293. 13 Claims. (Cl. 179—121.)



1. In combination, a pair of spaced electrodes respectively positive and negative, means for establishing a glow-discharge therebetween, a chamber enclosing said positive electrode and sound resonance preventing means in said chamber.

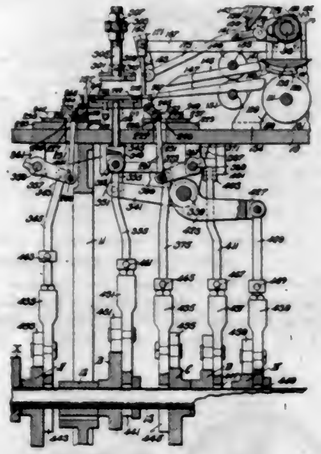
1,638,894. THERMOAMMETER. VICTOR H. TODD, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 18, 1924. Serial No. 693,577. 2 Claims. (Cl. 171—95.)



1. In combination, a Wheatstone bridge including two parallel alternating-current branches each embodying two series-related arms of the bridge and each arm comprising a thermo couple, said branches being connected at the ends thereof by elements of opposite material of the adjacent couples and the mid point of each branch constituting a position of joinder between elements of similar material of couples on opposite sides thereof but of material opposite to that on opposite sides of the mid

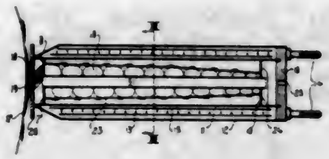
point of the other branch, a direct-current responsive device, and a pair of conductors of different material each corresponding to the material adjacent to one of said mid points and each connected between the point of corresponding material and said device.

1,638,895. ENVELOPE-MAKING MACHINE. JOSEPH M. TOWNSEND, Worcester, Mass., assignor, by direct and mesne assignments, to Townsend Envelope Machine Company, a Corporation of Massachusetts. Filed May 15, 1924. Serial No. 713,635. 23 Claims. (Cl. 93—66.)



1. In a machine for making envelopes, movable means for holding an envelope blank at a station of folding, and means for folding the said blank comprising short, pivotally mounted creasing members adapted to move rapidly in a relatively small arc and arranged to cooperate with the holding means as the latter moves relatively to the folding means to fold and crease the blank.

1,638,896. HAIR WAVING OR CURLING DEVICE. LOUIS HENRI GUILLAUME VAN DIJK, The Hague, Netherlands. Filed May 5, 1926, Serial No. 106,851, and in the Netherlands Aug. 25, 1925. 2 Claims. (Cl. 132—36.)



1. Means for waving or curling hair comprising a curler having a lenticular cross-section of uniform size and continuous oppositely-disposed longitudinally-extending corners throughout the effective length of the curler, and a heating sleeve, having an oval internal cross section, adapted to fit over the curler and spaced uniformly therefrom.

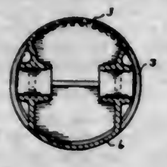
1,638,897. WINDOW-OPERATING DEVICE. WILLIAM VAUGHAN, Salem, Ohio. Filed May 23, 1925. Serial No. 32,471. 3 Claims. (Cl. 121—40.)

2. In combination, means for sliding a window sash, including a rotatable shaft, a sprocket fixed thereon and provided with a circumferential series of spaced openings, spaced cylinders, weighted pistons operating in said cylinders, a chain trained over said sprocket and having its terminals connected with said pistons, means for creating a vacuum below the piston in either one of the cylinders, means for equalizing the air pressure on both



sides of the piston in the other cylinder, a pin mounted for sliding movement, means for moving said pin into one of the openings of said sprocket for holding the latter and its shaft against rotation, and yieldable means for retracting said pin when the latter is released from the last mentioned means.

1,638,898. PISTON. GEORGE DONALD WELTY, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Aug. 2, 1924, Serial No. 729,683½. Divided and this application filed June 26, 1925. Serial No. 39,076. 3 Claims. (Cl. 74—108.)



1. A piston casting for an internal combustion engine characterized by possessing internal unrelieved strains in the skirt thereof which are capable of causing outward movement of portions of the skirt when the skirt is split.

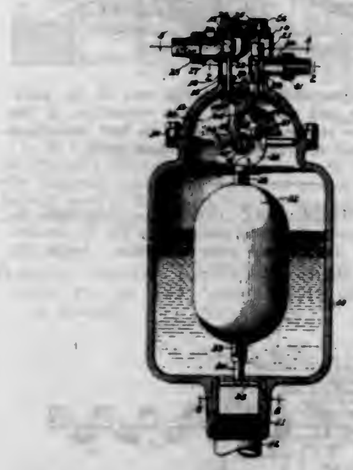
1,638,899. STITCH REMOVER. CLAUDE F. WILBER, Tulsa, Okla. Filed Aug. 27, 1924. Serial No. 734,486. 1 Claim. (Cl. 12—17.)



In a stitch remover, a cylindrical body, a plurality of teeth projecting radially over the outer surface of the body at one end thereof, arranged in equal spaced relation, and extending obliquely relative to the outer surface of the body, said teeth comprising a curved face on

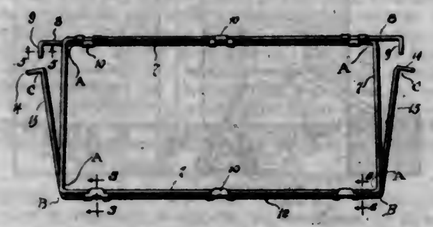
the inner surface, and a narrow shallow part adjacent the cylindrical body, the curved part acting as a cutter, a friction wheel, and a thread puller, the shallow part allowing the pulled or cut threads a means of exit.

1,638,900. DIRECT-RETURN TRAP. EDGAR C. WILEY, Lynchburg, Va., assignor to Simplex Heating Specialty Company Inc., Lynchburg, Va., a Corporation of Virginia. Filed Aug. 21, 1925. Serial No. 51,709. 3 Claims. (Cl. 137—101.)



1. In a trap of the character described, the combination of a receiver, a weight pivotally mounted within the receiver so as to swing back and forth above its pivot, a float for controlling the movement of the weight, two passageways connected to the upper end of the receiver, a reciprocating plunger valve for each passageway, a depending pivoted tappet adjacent said weight, projections on said weight at opposite sides of said tappet to engage and swing the tappet only after said weight has passed beyond dead center position, means operable by said tappet in swinging to open one valve and permit the other to close, and frictional means holding the tappet to sustain either valve in open position until the weight is positively shifted to open the other valve.

1,638,901. ADJUSTABLE AWNING FRAME FOR MOTOR VEHICLES. LOUIS S. WILLIAMSON and BERT A. DE BORD, Temple, Tex. Filed Aug. 17, 1926. Serial No. 129,855. 5 Claims. (Cl. 156—15.)



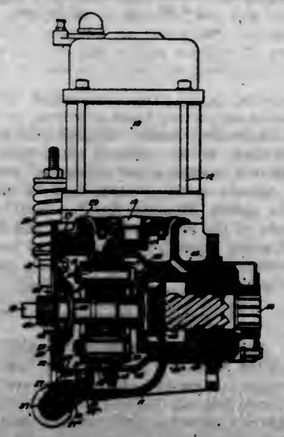
1. An awning for motor vehicles comprising a rectangular frame, a covering therefor, said frame formed from a single resilient rod, said rod doubled at one side of the frame with the two end portions of the rod lying next and paralleling one another and extending beyond the plane of the frame, the extreme ends of the rod bent to form lugs; said paralleled portions including clamp members to hold the parts together and to permit the end portions lateral movement; said paralleled portions constituting the upper side of the frame when the frame is in position; and a rod formed of U-shape pivotally clamped to the lower side of the frame, said U-shaped rod forming various angles with the rectangular frame when in use.

1,638,902. METHOD OF MAKING HOUSEHOLD ARTICLES. RICHARD WITTLINGER, Goppingen, Germany. Filed Jan. 15, 1926, Serial No. 81,581, and in Germany Oct. 10, 1924. 2 Claims. (Cl. 76—104.)



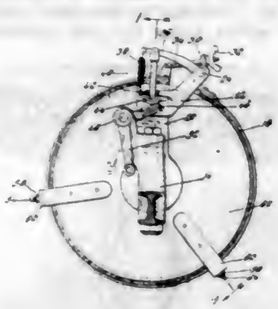
2. The method of making spoons and forks consisting in hot forging from a one-piece bar of copper alloy the bowl or prong portion in one operation, and forging the remainder and finish forging the portion already forged in the next operation, the whole being accomplished with but a single heating.

1,638,903. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed May 3, 1923. Serial No. 636,462. 6 Claims. (Cl. 74—7.)



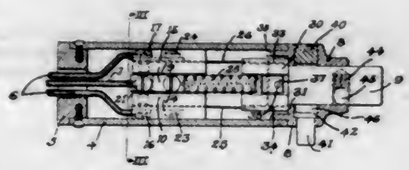
1. A starter for hydrocarbon engines, comprising in combination, an electric motor, a pinion adapted to drive a gear on the engine, and an epicyclic reduction gearing between said motor and pinion including a yieldingly mounted normally stationary gear adapted to yield under excessive loads.

1,638,904. BRAKE. JOSEPH ZUBATY, Flint, Mich. Filed Nov. 1, 1923. Serial No. 672,192. 5 Claims. (Cl. 188—194.)



1. A front wheel brake comprising, in combination, a front axle having a steering knuckle swiveled thereto, a wheel journaled on the knuckle having a brake drum, an expansible and contractible band supported by the knuckle in position to engage the exterior of the drum, and means for operating the band including a plunger supported by the knuckle and a lever supported by the axle having convex generally spherical surfaces slidably engaging each other substantially in the axis about which the knuckle swivels.

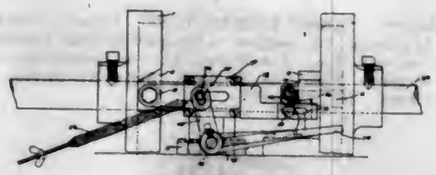
1,638,905. ELECTRIC SWITCH. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 25, 1921. Serial No. 510,351. 1 Claim. (Cl. 200—159.)



In an electric switch, the combination with an insulating terminal-supporting block provided, at its opposite sides, with stationary contact members, of an insulating plunger provided, at its opposite sides, with a pair of movable contact members in alinement with the said stationary contact members and adapted to co-operate therewith, a spring disposed between and engaging the adjacent ends of the block and plunger, and a conducting member extending through the plunger and insulated from the said spring for securing the movable contact members to the plunger.

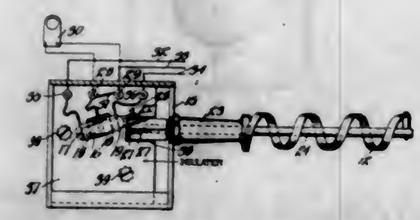
1,638,906. AUTOMATIC RELEASING AND BRAKING DEVICE FOR NAILING MACHINES. EMILE ALIBERT, Paris, France. Filed Dec. 12, 1925, Serial No. 75,092, and in France Dec. 12, 1924. 2 Claims. (Cl. 192—144.)

1. A combined releasing and braking device for nailing machines, comprising a drum mounted on the driving shaft, a notch formed in said drum, a second drum mounted on said shaft, brake shoes disposed in the second drum and pivoting on a support mounted on the nailing machine, a shaft having a flat end disposed between the free portions of the said shoes and pivoted on a support of the machine, a lever with a roller controlling the said shaft, a ramp coacting with said roller, a guide carrying the said ramp, means for adjusting the said ramp upon its guide, a supporting element of the machine forming a guideway for the said



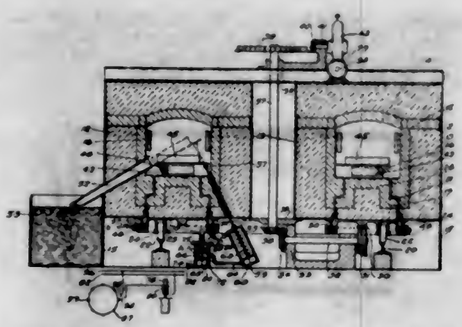
guide, a roller mounted at the other end of the guide from the ramp and adapted at each revolution of the driving shaft to engage the notch in the first mentioned drum, and means for controlling the said guide.

1,638,907. THERMOSTAT CONTROL. ARTHUR R. BAKER, Indianapolis, Ind., assignor to Ira T. Swartz, Indianapolis, Ind. Filed June 10, 1926. Serial No. 115,120. 5 Claims. (Cl. 236—15.)



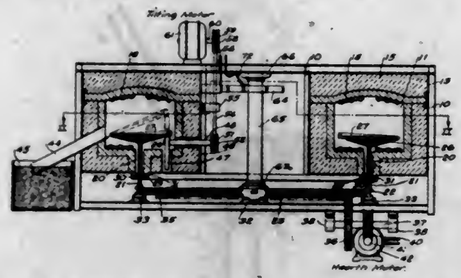
1. The combination with a refractory furnace lining, a door for said refractory lining, a closure for the door, a window for said closure, and a thermostat mounted in front of said window, substantially as set forth.

1,638,908. FURNACE. JOHN F. BAKER, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 27, 1926. Serial No. 125,142. 5 Claims. (Cl. 263—7.)



1. In a furnace, the combination with an annular hearth, a plurality of trays on said hearth, and means for effecting movement of said hearth, of a pneumatic ram the operation of which is initiated by the movement of the hearth for successively tilting said trays.

1,638,909. ROTARY FURNACE. JOHN F. BAKER, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 27, 1926. Serial No. 125,143. 4 Claims. (Cl. 263—7.)



1. In a furnace, in combination, a conveyor, means for driving said conveyor, a hearth tray pivotally mounted on the conveyor, and rotatable means positioned below the normal level of the hearth tray for engaging said tray to effect the discharge of material therefrom.

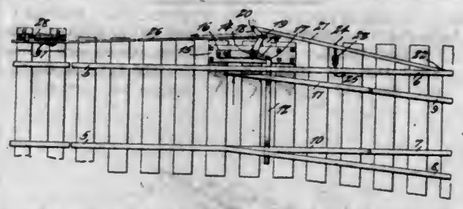
1,638,910. FIGURE TOY. GIUSTO BOGOTO, Royalton, Ill. Filed Feb. 25, 1927. Serial No. 170,999. 3 Claims. (Cl. 46—40.)



1. A toy of the character described comprising a staff, a handle secured to its lower end, a pair of arms secured upon diametrically opposite sides of said staff, apertured ears included in said arms, a body pivotally secured to said arms, a head formed on said body and including a bill, a metallic member secured in said bill, a plate fixed to said staff in the path of the metallic member, a drum journaled between the apertured ear and means for rotating said drum and causing reciprocatory movement of said body in a manner whereby the metallic member will intermittently engage the plate for the purpose specified.

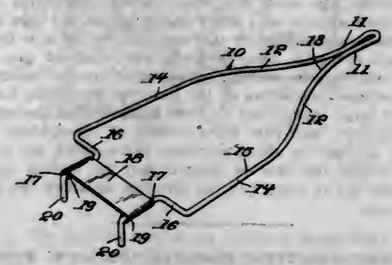
1,638,911. RAILWAY SWITCH. DOCTOR C. BOOND and JOHN T. BURKETT, Welch, W. Va., assignors, by direct and mesne assignments, of one-fourth to said Burkett, one-half to Rosa Q. Taylor, and one-fourth to W. C. Mitchell and John C. Hurt, Welch, W. Va. Filed Oct. 25, 1926. Serial No. 144,081. 2 Claims. (Cl. 246—285.)

1. In a railway track, a main track and branch tracks therefor, switch rails operatively connected to the rails of one of the tracks and having their switch points in operative relation to the rails of the main track, means for connecting the switch rails whereby they are operated in unison, a bell crank pivotally connected to said means, a link pivotally connected to the bell crank, a spring bar having one end bearing against an abutment and to the



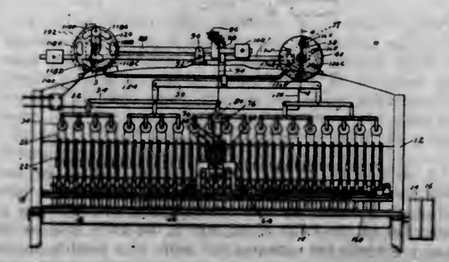
opposite end of which the link is pivotally connected, means for producing a tension on the spring bar whereby the pivot of the link is pressed toward the pivot of the bell crank, a thrust rod operatively connected to the pivot between the bell crank and the link, and means for operating the thrust rod.

1,638,912. BEDCLOTHES HOLDER. AUGUST WILLIAM BRATER, New York, N. Y. Filed Dec. 6, 1926. Serial No. 152,981. 1 Claim. (Cl. 72.5.)



A bed clothes holder comprising a single length of resilient spring wire bent midway between its ends to provide a pair of co-acting jaws, spaced legs defining an enlarged mouth portion for the insertion of the bed clothes, said legs being curved to provide a V-shaped restricted portion communicating with said enlarged mouth portion and said jaws for guiding the bed clothes into said jaws after insertion of the same through the enlarged mouth portion, and a hook member for engagement with the bed springs of a bed for anchoring the holder thereto.

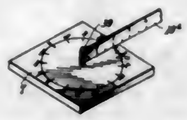
1,638,913. MACHINE FOR MEASURING SHEET MATERIAL. JOHN J. BROPHY, Salem, and GEORGE E. MCLAUGHLIN, Brookline, Mass., assignors to The Turner Tanning Machinery Company, Portland, Me., a Corporation of Maine. Filed Aug. 29, 1925. Serial No. 53,368. 15 Claims. (Cl. 33—124.)



1. In a machine for measuring pieces of leather, a work support, a member adapted to be moved by work on the support, a plurality of lamps each arranged to illumi-

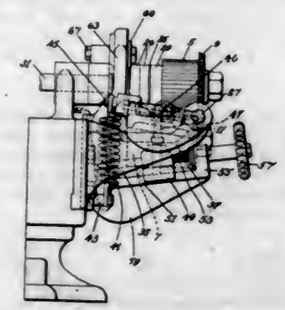
nate a character or symbol for indicating a certain thickness dimension in a given range of thicknesses, and electrical means arranged to be controlled by said member whereby the lamps are lighted selectively upon movement of said member to indicate thickness dimensions of the work.

1,638,914. DIRECTION AND DISTANCE MEASURING INSTRUMENT. ABBOTT P. BRUSH, Greenwich, Conn. Filed Dec. 20, 1926. Serial No. 155,811. 4 Claims. (Cl. 33—76.)



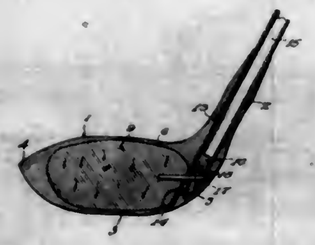
1. In an instrument of the character disclosed, a base carrying compass indications, means on said base for positioning the same with the compass indications centered over a point on a chart and a flexible flat tape having distance markings for said chart on the flat side thereof, said flat tape being pivotally connected at one end with said base in position to swivel about the center of the compass indications on the base, the base being heavy and of large enough size to form a substantial anchorage for the tape, said base being formed of transparent material so that the chart markings surrounding the point over which the base is located may be viewed therethrough and in respect to the direction in which the tape is drawn.

1,638,915. SPLITTING MACHINE. DARIUS W. BUNKER, Quincy, and ROY W. CUMMINGS, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 26, 1925. Serial No. 58,900. 15 Claims. (Cl. 69—14.)



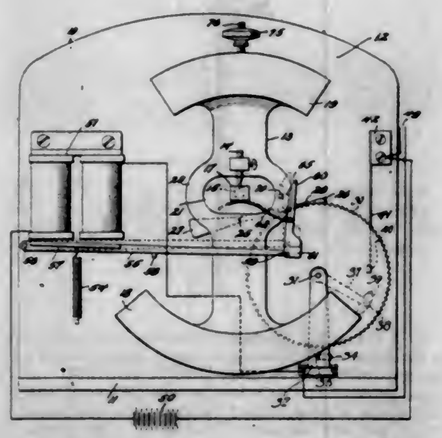
1. A machine of the class described having, in combination, a pair of feed members for advancing a piece of stock, a knife, an axis substantially perpendicular to the edge of the knife about which the knife may swing, and a support for engaging the knife at a locality spaced from the axis, said support being adjustable toward and from the axis whereby adjustment of the support varies the angular position of the knife.

1,638,916. GOLF CLUB. CUTHBERT S. BUTCHART, Rye, N. Y. Filed June 4, 1926. Serial No. 113,818. 5 Claims. (Cl. 273—77.)



1. A golf club head comprising an integral metallic body having a socket opening through its driving face and provided interiorly with a shoulder extending continuously about the wall of the socket, the said body being recessed beyond the said shoulder to minimize weight of material, and a combined, weighting, balancing and impacting body of wood within the socket having a side marginally abutting the said shoulder.

1,638,917. COMPOUND-PENDULUM CLOCK. THADDEUS STEPHENS CASNER, Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y., a Corporation of Delaware. Filed June 17, 1926. Serial No. 116,696. 6 Claims. (Cl. 58—29.)



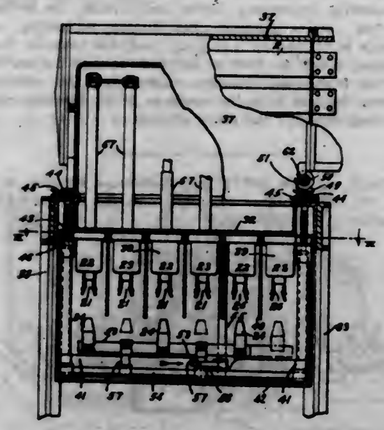
1. A pendulum operated device comprising, in combination, a compound pendulum pivotally supported at its mid-portion, a push rod carried by said pendulum, a rotatable toothed wheel adapted to be given a step by step movement by said push rod, a contact rotatable with said wheel and adapted to engage a second contact once in each revolution of the wheel, an electro-magnet situated adjacent the pendulum, an armature operated by said magnet, adapted to engage the pendulum when moving in one direction and to drive the pendulum when moving in the other direction, said magnet being energized to move the armature when the toothed wheel has caused the contacts to engage.

1,638,918. WIRE CLAMP. FRED N. CLARK, Hammond, Ind. Filed Sept. 18, 1925. Serial No. 57,245. 1 Claim. (Cl. 81—19.)



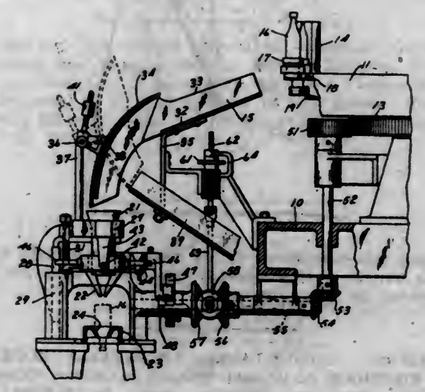
In a device of the class described including a barrel, a head member secured at one end of said barrel with bore therein in registry with the bore of the barrel, a hand wheel with threaded bore and reduced neck portion for rotatable positionment at the opposite end of said barrel, a split spindle member positioning within said barrel and having a pin member therethrough for limiting longitudinal movement of said spindle, a screw shank secured to said split spindle for threaded engagement with said hand wheel, and a flexible element secured at the opposite end of said spindle terminating through the bore of the head with means for adjustably securing to said head, substantially as shown.

1,638,919. ELECTRICAL SWITCH GEAR. WILLIAM ANSELM COATES, Chorlton-cum-Hardy, and DAVID REGINALD DAVIES, Stretford, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1921, Serial No. 497,902, and in Great Britain Sept. 28, 1920. 6 Claims. (Cl. 200—16.)



2. Switch mechanism comprising a receptacle, a switch member within the receptacle, a supporting structure for the receptacle, a plurality of switch members mounted thereon, means for relatively moving the receptacle and the supporting structure for operatively connecting the said members, and means for moving one of the switch members for selectively engaging other of the said members.

1,638,920. APPARATUS FOR TRANSFERRING GLASS ARTICLES. ALBERT N. CRAMER, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 3, 1924. Serial No. 704,002. 14 Claims. (Cl. 198—22.)



3. The combination of an inclined chute down which articles are impelled by gravity, and an open inverted trough forming a deflector located beyond the lower end of said chute and positioned to deflect and guide the articles after they leave the chute.

1,638,921. SUPPORTING ATTACHMENT FOR TROUSERS. ALFRED JOHN CUMMINGS, Kyabram, Victoria, Australia. Filed Oct. 13, 1926. Serial No. 141,367. 1 Claim. (Cl. 241—9.)

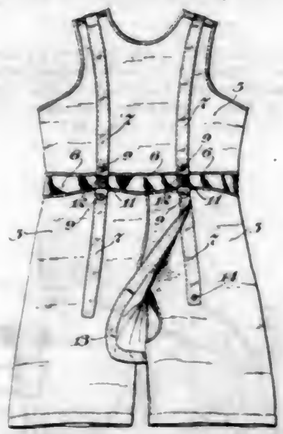


A device of the class described comprising a pair of plates, each having a slot therein, a webbing having its ends passing through the slots and connected with the major portion of the webbing, a row of L-shaped pins carried by each plate and an elongated depression in each plate for widening the space between the plate and the ends of the pins said depression being of greater length than the row of pins.

1,638,922. UNDERGARMENT. THOMAS E. CUNNINGHAM and OWEN E. CUNNINGHAM, Minneapolis, Minn. Filed Sept. 27, 1926. Serial No. 137,967. 2 Claims. (Cl. 2—7.8.)

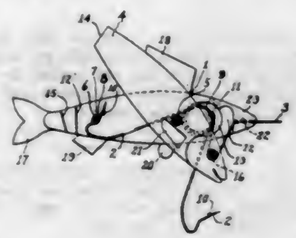
1. A one-piece undergarment having in its back an extensible section, two longitudinally extended reinforcing

strips attached to the back of the garment and having gaps at said section, said reinforcing strips being folded to form tabs above and below said section, and elastic



links, said tabs having button holes and said links having buttons inserted through said button holes for attaching the links to the tabs.

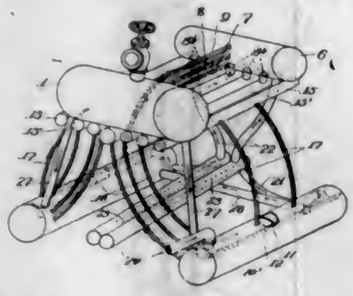
1,638,923. CONCEALABLE RELEASABLY-SECURED FISHHOOK AND BAIT. RUBIN DANIELSON, Chicago, Ill. Filed Oct. 13, 1924. Serial No. 743,338. 1 Claim. (Cl. 43—37.)



In a fish-bait, a life-like body consisting of two portions pivotally secured together intermediate their ends and having a mouth, compound spring actuated hooks within the body, a fish line passing through the mouth and attached to the hooks, said hooks are adapted to be held in concealed position within the body and are also adapted to be expanded out of the body into operative position when the bait is held against the pull of the line, said line is adapted to hold the pivotal portions of the body in a longitudinal alignment when the bait is drawn through water to conceal the hooks when they are in their unexpanded position within the body.

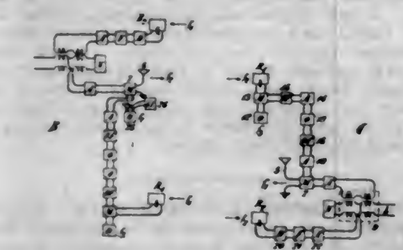
1,638,924. WATER-TUBE BOILER. KOTARO ENDO, Tokyo, Japan. Filed July 23, 1919. Serial No. 312,849. 1 Claim. (Cl. 122—325.)

A water tube boiler comprising a pair of steam and water drums 1, 6 each having a steam chamber 3, 3' and a water chamber 4, 4'; pipes 7, 8, 9 connecting the respective chambers of said drums, a pair of water drums 10, 10' arranged at opposite sides of the boiler and below and approximately at right angles to the steam and water drums, pipes 27 each connecting one of the water drums to one of the steam and water drums, headers 15' each connected to one of the steam and water drums and disconnected from the other such drum, tubes 18 connecting the water drums to the headers and arranged in the combustion space of the boiler, steam generating drums 20 also arranged in the said combustion space,



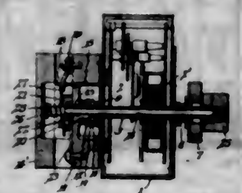
pipes 21 leading from the water drums into, extending longitudinally in and discharging into the steam generating drums, and pipes 22 connecting said steam generating drums to the steam and water drums.

1,638,925. HIGH-FREQUENCY SIGNALING SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,256. 14 Claims. (Cl. 250—9.)



1. In a high frequency signaling system involving a pair of intercommunicating stations, each having a receiver and a transmitter but including no means for independently generating carrier oscillations, the method of deriving carrier currents for duplex signalling, which consists in setting up a singing condition between the two stations, whereby carrier oscillations are automatically emitted from each station, modulating the oscillations at each station with the message to be transmitted and detecting these at the other station.

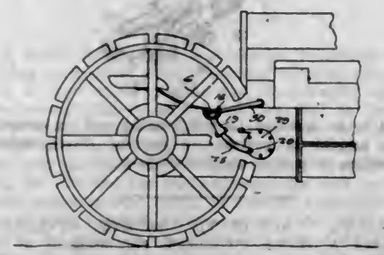
1,638,926. TIME SWITCH. NICHOLAS FEINEN, Buffalo, N. Y. Filed June 25, 1921. Serial No. 480,412. 2 Claims. (Cl. 200—33.)



1. A switch comprising a casing, an insulating block secured to the rear of said casing and being formed with inner and outer recesses, a hollow shaft passing through

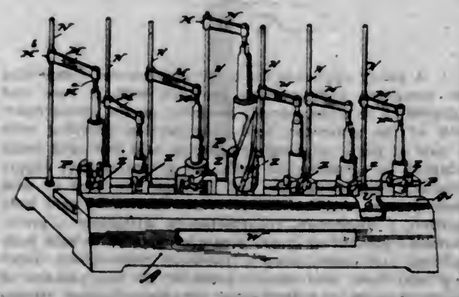
said casing and having one end arranged in the inner recess, a stub shaft arranged in the block and extending into said recesses, means of connection between the hollow shaft and stub shaft respectively, a ratchet ring arranged in the outer recess, a projection extending inwardly from the ratchet ring and securing the latter to the stub shaft, a solid shaft passing through the hollow shaft and stub shaft, a member having a square part secured to the solid shaft, a switch blade secured to the square part and resiliently retained engaged in the teeth of the ratchet ring, and a contact member arranged in the path of the switch blade which is movable upon rotation of the solid shaft.

1,638,927. PEDAL ATTACHMENT. WILLIAM CLARK FULKERSON, Buechel, Ky. Filed Nov. 19, 1926. Serial No. 149,513. 2 Claims. (Cl. 74—61.)



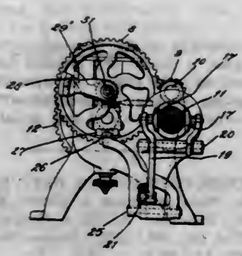
2. An attachment of the class described including, in combination, a member having means incorporated therein whereby the same may be attached to a pedal, a frame comprising a body, a pair of arcuate arms at each end thereof, bars connecting the respective arms of the two pairs of arms, said bars being situated above the member, a bar extending laterally from the frame and terminating in a slotted head having a ratchet therein, a pair of pins projecting from the last-mentioned bar remote from the head, rollers journaled on the pins, a shank extending through the slotted head and between the rollers, means for pivotally mounting the shank at one end, said shank being provided on one edge with a plurality of ratchet teeth to cooperate with the first-mentioned ratchet tooth.

1,638,928. DEVICE FOR EXHIBITING TOOLS. EMIL GAIRING, Detroit, Mich., assignor to Gairing Tool Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 8, 1927. Serial No. 158,518. 8 Claims. (Cl. 35—16.)



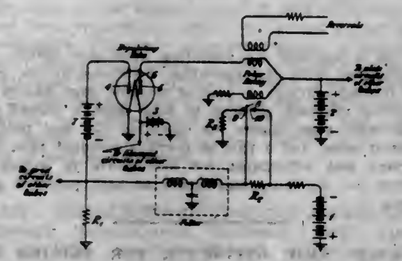
1. In a device of the character described, a supporting frame; a prime mover housed in the supporting frame; a driving shaft actuated by the prime mover; a plurality of gears mounted in spaced relation on the driving shaft; a plurality of vertical spindles suitably journalled fitted with gears respectively in mesh with the gears on the driving shaft; a plurality of cutting tools supported in axial alignment with the spindles adapted to rotate therewith but held against longitudinal movement, whereby they may simulate the cutting operation of a plurality of tools under actual working conditions; and means adapted to provide a driving connection between the gears and spindles but which is also adapted upon manually holding any of the tools against rotation to automatically release the corresponding operating spindle of the tool from rotation by the driving shaft, whereby the remaining spindles may continue to operate without interference.

1,638,929. SPLITTING MACHINE. JOSEPH GOULDBOURN and WILFRID THOMAS MINETT, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 22, 1924, Serial No. 715,169, and in Great Britain June 19, 1923. 11 Claims. (Cl. 69—13.)



1. A machine of the class described, having in combination, a tool, means for feeding a piece of work to the tool, said means being constructed and arranged to occupy two predetermined positions in one of which it is adapted when operated to start the feeding of the work immediately and in the other to start the feeding only after an interval, and operator-controlled means for causing the feeding means to occupy either position as may be desired.

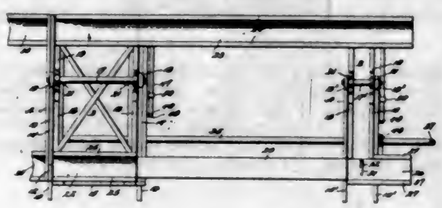
1,638,930. VOLTAGE REGULATOR FOR VACUUM TUBES. JOSEPH HERMAN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 26, 1923. Serial No. 677,156. 4 Claims. (Cl. 250—27.)



1. Means for automatically regulating the common grid voltage of vacuum tubes having a common source of plate voltage and a common source of grid voltage, comprising, in association with the common sources of

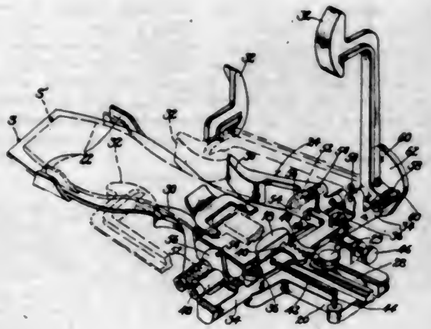
voltages, a regulating vacuum tube and means controlled by said regulating tube for changing the common grid voltage in response to changes in the common plate voltage.

1,638,931. APPARATUS FOR TILTING AUTOMOBILES. JOLLY ROY HOLCOMBE, Columbia, S. C., and FRANCIS FICKLING DUNBAR, Augusta, Ga. Filed July 19, 1926. Serial No. 123,487. 11 Claims. (Cl. 214—1.)



1. In an automobile cradle, in combination, a relatively stationary frame, a cradle bed pivoted for partial rotation in respect to said frame, an arm pivoted to said frame and having sliding engagement with said cradle, and toggle means to rotate said arm about its pivot.

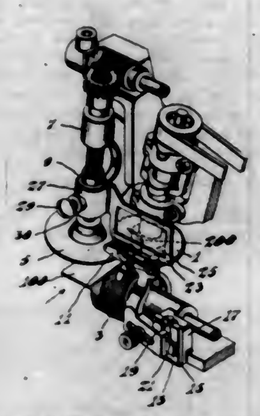
1,638,932. WORK-POSITIONING DEVICE. CHARLES E. HOOD, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 20, 1926. Serial No. 142,986. 17 Claims. (Cl. 12—17.)



4. In a machine for operating upon sole blanks, the combination with the operating instrumentalities, of a sole feeding carriage, a pair of movable gage fingers for centering the heel portions of long soles, a second pair of movable gage fingers for centering the heel portions of short soles, and a pair of carriers mounted upon said carriage and articulated for movements in unison to control the centering movements of both pairs of gage fingers.

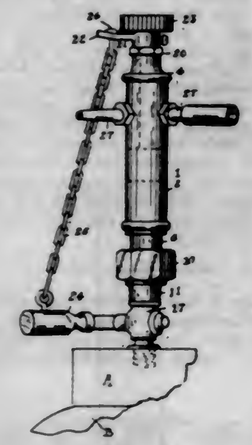
1,638,933. CHIP DEFLECTOR FOR SKIVING MACHINES. LESTER B. HOOPER, Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 14, 1925. Serial No. 62,479. 2 Claims. (Cl. 69—16.)

1. For a skiving machine having a rotary knife, a feed roll and a feed disk for advancing the work to the knife, a presser-foot for holding the work on the roll, a rotary shaft upon which the feed disk is mounted and a bearing for said shaft, a chip deflector having a stem



adapted to be fastened to said bearing and an operative portion located in position to prevent waste skivings from curling back over the presser-foot.

1,638,934. AUTOMATIC SAFETY APPLIANCE. CHARLES A. HOWE, Pittsburgh, Pa., assignor of one-half to W. Bruce Glotfelty, Sharpsburg, Pa. Filed Oct. 9, 1926. Serial No. 140,530. 3 Claims. (Cl. 122—504.)



1. A safety appliance for a steam generator comprising an elongated body portion provided with a bore and adapted to be communicably mounted on the steam reservoir of the generator, said body portion provided with a pair of ports communicating with said bore and being adapted to communicate with the generator fuel supply conduit for passing the fuel through the bore of said body portion, a diaphragm constructed to withstand a predetermined amount of steam pressure mounted in said body portion and constituting a partition transversely dividing said bore, and means actuated by the passage of steam through said diaphragm for simultaneously closing said pair of ports to shut off said fuel and for closing said control valve to shut off the steam from said body portion.

1,638,935. DOUBLE LAMP SOCKET. WILLIAM ILE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a Corporation of Delaware. Filed May 9, 1925. Serial No. 29,146. 2 Claims. (Cl. 173—335.)



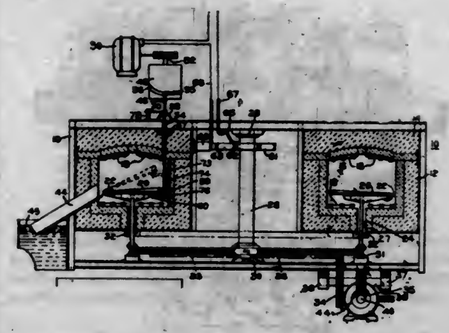
1. A double lamp socket including an insulating body consisting of a single piece of molded material and comprising a solid upper portion and downwardly diverging hollow cylindrical sockets and provided at the top walls of the said sockets with arcuate ribs and having studs spaced from the ribs, shell contacts arranged in the sockets and provided with flanges having apertures receiving the ribs and the studs whereby the shell contacts are interlocked against rotary movement, a straight vertical terminal conductor bar having its lower portion embedded in the solid portion of the body and provided with a horizontal yoke also embedded in the body at the solid portion thereof and having its terminals projecting at the top walls of the sockets, center contacts secured to the ends of the yoke, insulating disks interposed between the center contacts and the flanges of the shell contacts, a terminal conductor bar having a straight vertical upper portion, an angularly related intermediate portion and lower portion embedded in the solid top portion of the body, the angularly related lower portion being exposed at one of the said sockets and contacting with the flange of the contact shell thereof.

1,638,936. PHOTOGRAPHIC-PRINTING FRAME. PAUL F. KAHLER, Chicago, Ill. Filed Mar. 1, 1926. Serial No. 91,545. 2 Claims. (Cl. 95—77.)



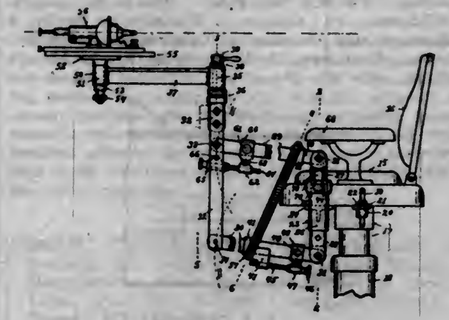
1. A photographic printing frame provided with channel side walls, resilient fingers struck from the body of the back of said frame in staggered relation, substantially as shown, said channel side walls having inwardly turned edges for the accommodation therebetween, of a pressure plate, separating sheet, glass plate, and the photographic print and negative.

1,638,937. FURNACE. ALVIN D. KEENE, West Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1926. Serial No. 147,871. 10 Claims. (Cl. 263—7.)



1. In a furnace, the combination with a movable hearth, of means for jarring said hearth.

1,638,938. INSTRUMENT SUPPORTING AND ADJUSTING APPARATUS. FREDERICK KOENIGKRAMER, Cincinnati, Ohio. Filed Apr. 7, 1923. Serial No. 630,632. 8 Claims. (Cl. 248—3.)

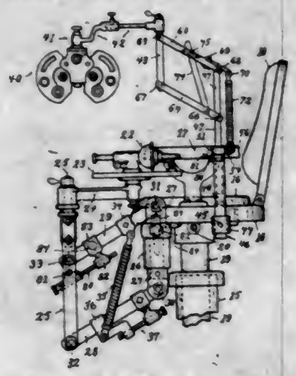


1. An instrument supporting apparatus comprising a base member, a vertically disposed journal member journaled upon a vertical axis intermediate of its ends relative to said base member, a pair of horizontally disposed arms spaced apart and pivotally mounted at one end upon and near opposite ends of said journal member outside of its pivotal support, a vertically adjustable standard carried by and pivotally attached near its opposite ends to the opposite ends of said horizontally disposed arms respectively, supporting means carried by said vertically adjustable standard, means to rigidly lock said supporting means to said vertically adjustable standard, means to rigidly lock said journal member in its adjusted positions relative to said base member, and means to counterbalance the weight of said supporting means and members carried thereby upon and relative to said base member.

1,638,939. INSTRUMENT-SUPPORTING APPARATUS. FREDERICK KOENIGKRAMER, Cincinnati, Ohio. Filed Aug. 20, 1923. Serial No. 658,375. 4 Claims. (Cl. 248—3.)

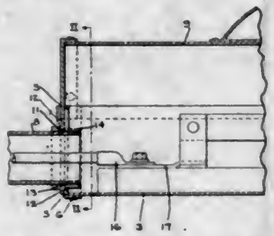
1. An instrument supporting apparatus comprising a base member, a substantially vertical shaft rotatably mounted upon said base, a plurality of substantially parallel link members spaced apart and pivotally attached one above the other to the upper end of said shaft above

said base member, a substantially vertical standard at one side of said shaft and to which the opposite ends of said link members are pivotally attached one above the other, an instrument supporting arm rotatably supported upon said standard and adjustable therewith vertically,



relative to said shaft and rotatably with said shaft, means to independently rigidly lock said supporting arm, standard, and link members relative to said shaft, and adjustable means to substantially counterbalance the weight of said instrument standard and link members upon and relative to said shaft.

1,638,940. SWITCH HOUSING. HUBERT K. KRANTZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1922. Serial No. 590,178. 1 Claim. (Cl. 247—25.)



The combination with a housing for an electrical device having an end wall provided with an opening extending inwardly from its outer edge, a movable cover and a conduit extending through the openings, of a closure plate secured to and removable with the conduit, and having its outer edge offset for providing a space between the plate and the end wall for receiving a portion of the cover.

1,638,941. LUBRICATOR. CHARLES LEA, Boston, Mass., assignor, by mesne assignments, to Frederick C. Blanchard, Dorchester, Mass. Filed Oct. 17, 1921. Serial No. 508,124. 11 Claims. (Cl. 184—88.)



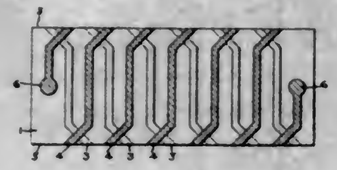
1. A lubricating device having a reservoir, an inlet for the introduction of oil into said reservoir, an outlet for the escape of oil from said reservoir to the part to be lubricated, means presenting a passage affording a rapid feeding communication between said reservoir and said outlet, permeable means normally restricting said passage and permitting a normal slow feeding of oil from said reservoir to said outlet, and a spring above said permeable means normally maintaining said permeable means in a slow feeding position but adapted to yield and permit rapid feeding.

1,638,942. AMPLIFIER OR ENUNCIATOR. ROBERT LINN, Chicago, Ill., assignor to William A. Darrah. Filed Nov. 20, 1922. Serial No. 602,058. 1 Claim. (Cl. 181—27.)



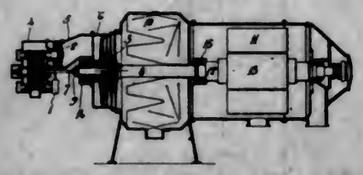
An integral porcelain loud speaker horn having a base and a bridge delimiting a resonant chamber.

1,638,943. THERMOELECTRIC CELL AND METHOD OF MAKING THE SAME. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 27, 1922. Serial No. 590,754. 12 Claims. (Cl. 136—4.)



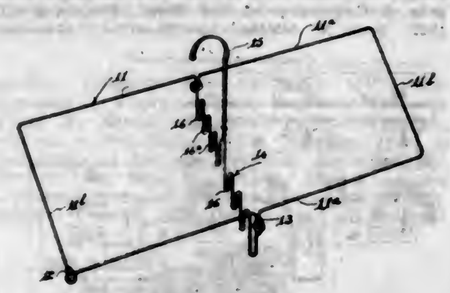
1. A thermoelectric cell comprising an insulating base, continuous strips of a plurality of metals integral therewith, said strips making overlapping contact members at the edges of said base.

1,638,944. TURBINE AGGREGATE. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Lidingo-Brevik, Sweden, a Corporation. Filed Mar. 25, 1924. Serial No. 701,857, and in Sweden Apr. 3, 1923. 4 Claims. (Cl. 290—52.)



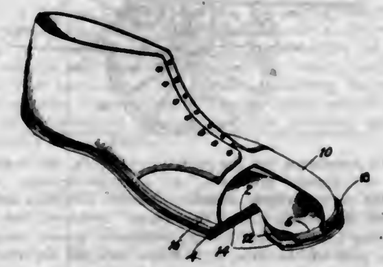
1. A turbine aggregate comprising a turbine, an electrical generator and a condenser arranged between the turbine and the electrical generator, the housing of the electrical generator being directly secured to and supported by the housing of the condenser.

1,638,945. HANGER FOR WARDROBE BAGS. DAVID LONDON, Baltimore, Md. Filed June 4, 1926. Serial No. 113,786. 3 Claims. (Cl. 45—37.)



1. A device for supporting a wardrobe bag and a plurality of garment hangers, comprising a frame consisting of a single piece of wire of rectangular shape and having bends forming eyelets in two opposite sides thereof, and a member consisting of a single piece of wire comprising a hook portion for suspending the device from a support, and oppositely extending garment-hanger supporting members disposed below the plane of said frame so that the wardrobe bag will clear the top thereof when the device is in use, said supporting members being connected loosely with said eyelets.

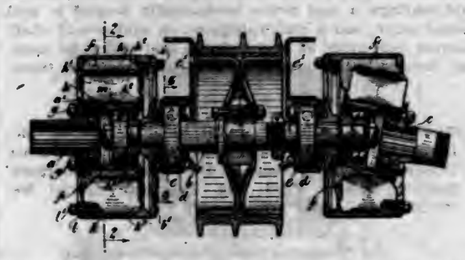
1,638,946. METHOD OF MAKING SHOES AND INNERSOLE THEREFOR. FRED L. MACKENZIE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New York. Filed Sept. 9, 1921. Serial No. 499,459. 9 Claims. (Cl. 12—142.)



2. That improvement in methods of making stitchdown shoes which consists in providing an innersole of uniform thickness, shaping the innersole with an offset uniformly spaced from its edge, the margin being in a plane parallel to the body portion, lasting the upper against the offset on the outside, securing the upper by fastenings passing through the offset, filling the sole inside the offset portion, and attaching an outsole to the margin of the innersole and upper.

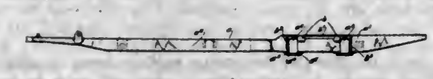
1,638,947. UNIVERSAL JOINT. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 7, 1922. Serial No 592,942. 4 Claims. (Cl. 64—96.)

1. In a universal joint the combination with angular shaft sections between which driving torque is to be transmitted, of a connection therebetween comprising an inner cylindrical member of substantial length carried with an end of one shaft section and having outwardly extending radial fins, a spider carried with the proximate end of another shaft section, an outer cylindrical member of substantial length carried with the spider and having inwardly extending radial fins spaced from but disposed in overlapping relationship with the first named fins, seats formed on the opposed surfaces of both of the cylindrical members between the fins, blocks of yielding



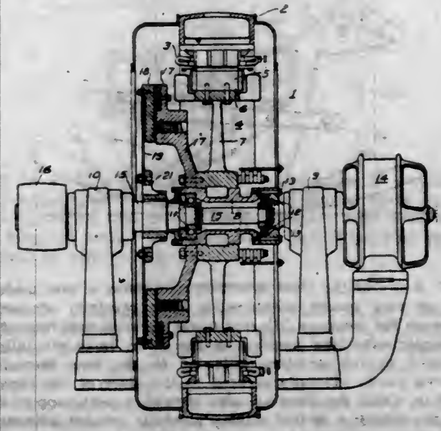
non-metallic material interposed between opposed fins and between co-operating seats in the respective cylindrical members and retaining rings secured to the cylindrical members, respectively, to retain the blocks in position.

1,638,948. FRAME FOR VEHICLES. ALFRED F. MASURY, New York, and ERVING R. GURNEY, Beechhurst, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 8, 1924. Serial No. 741,309. 6 Claims. (Cl. 280—106.)



1. In a chassis frame for motor vehicles, longitudinal side frame members formed with oppositely disposed cut-out portions respectively, a transversely extending bracing member connecting the side members adjacent the cut-out portions and longitudinally extending bracing members secured at one end respectively to the frame members adjacent the transverse brace, and at their other ends to the side frame members upon the opposite side of the cut-out portions.

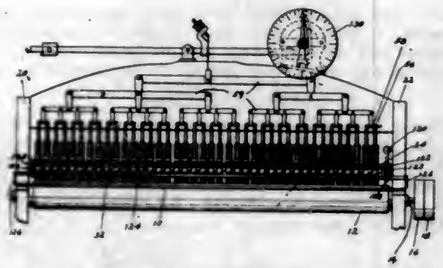
1,638,949. CLUTCH MOTOR. ROY A. MCCARTY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 7, 1926. Serial No. 127,874. 4 Claims. (Cl. 172—36.)



1. A clutch motor comprising an electric motor having a stator member and a rotor member, said stator member comprising two bearings, said rotor member compris-

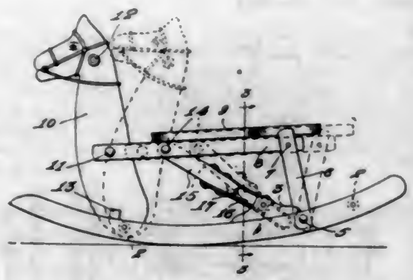
ing a hollow shaft extending through one of said bearings, a load device mounted outside of said bearing on the extending end of said shaft, a second shaft freely rotatable within said hollow shaft and supported by the other of said bearings, a load device mechanically coupled to said second shaft, and a clutch disposed on said second shaft between said other of said bearings and said rotor member, whereby torque may be transmitted thereto, at times.

1,638,950. MEASURING MACHINE. GEORGE E. MCLAUGHLIN, Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me., a Corporation of Maine. Filed Aug. 29, 1925. Serial No. 53,328. 17 Claims. (Cl. 33—124.)



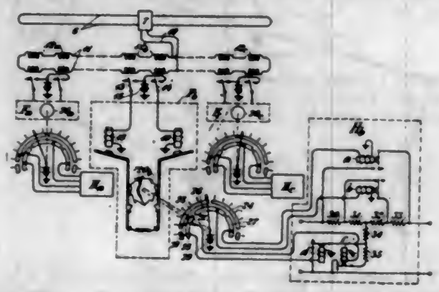
1. In a machine for measuring surface areas of sheet material, means for supporting a piece of work to be measured, a movable measuring member supported for contact with the work, a flexible member arranged to have more or less of it wound on and off the measuring member during movement of the latter to change its effective length, and a totalizing mechanism made up of similar units one of which is connected to the flexible member to be operated thereby during movement of the measuring member.

1,638,951. ROCKING TOY. ERNEST B. NENTWIG, Jefferson City, Mo. Filed Nov. 12, 1926. Serial No. 148,040. 2 Claims. (Cl. 272—53.)



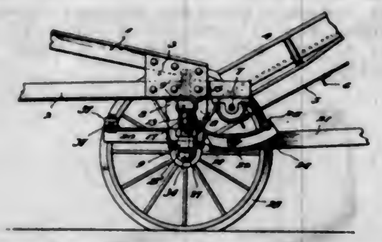
1. A toy of the class described comprising a base made up of two spaced members, a lever pivotally secured between the members adjacent to the forward ends thereof, laterally extending handles on the lever, links pivotally secured to the members adjacent to the rear thereof, spaced plates pivotally secured to the sides of the lever and to which the links are also pivoted, a seat supported on the plates, a slotted pitman pivotally secured between the plates, an element connected to the base members and received through the slotted portion of the pitman secured to the base members and passing through the slot of the pitman.

1,638,952. MEANS FOR REGULATING TRANSMISSION CIRCUITS. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug 31, 1922. Serial No. 585,518. 10 Claims. (Cl. 178—44.)



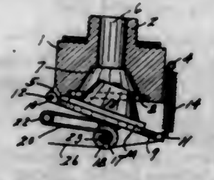
1. In a telephone transmission system, a telephone line, a plurality of repeater stations on said line and means at one station, responsive to variations in the physical condition of the line, for varying the repeater gains at a plurality of the repeater stations.

1,638,953. FRONT-AXLE CONSTRUCTION. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to The New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed June 15, 1926. Serial No. 116,188. 7 Claims. (Cl. 280—103.)



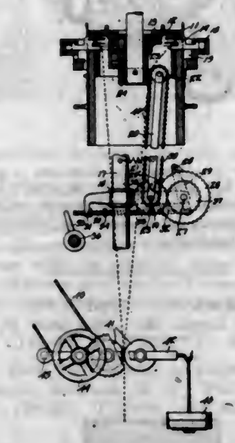
1. In apparatus for the purpose set forth, the combination of frame members, a conveyer-driving shaft mounted on the frame members, hanger members secured to and depending from the frame members, an axle extending between said hanger members, wheels mounted at the ends of the axle, a yieldable support for the axle between the hanger members, draft bars secured to the axle and projecting forwardly therefrom below the conveyer-driving shaft, and means for applying draft to the draft bars.

1,638,954. DRAIN PLUG OR VALVE. HENRY JAMES PEREIRA, Chelsea, Mass. Filed July 15, 1926. Serial No. 122,567. 2 Claims. (Cl. 137—139.)



1 A drain plug as described, embodying a body formed with a threaded nipple, said body and nipple being provided with an aperture terminating in a valve seat formed in said body; a finger and hinge lugs on the periphery of said body; a cap formed with an ear hinged in said hinge lugs; a valve on said cap for seating in said valve seat; a coil spring engaging said ear and said finger; standards on said body; a shaft journaled thru said standards; a double torsion spring engaging said shaft and said cap; and means for operating said drain plug from the dash board of an automobile.

1,638,955. TAKE-UP FOR KNITTING MACHINES. NAPOLEON J. PERRY, deceased, Nashville, Tenn., by Julius W. Martin, administrator, Nashville, Tenn., assignor to May Hosiery Mills, Nashville, Tenn., a Corporation of Tennessee. Original application filed Dec. 22, 1919, Serial No. 346,681. Divided and this application filed Aug. 23, 1921. Serial No. 494,631. Renewed June 25, 1926. 20 Claims. (Cl. 66—150.)



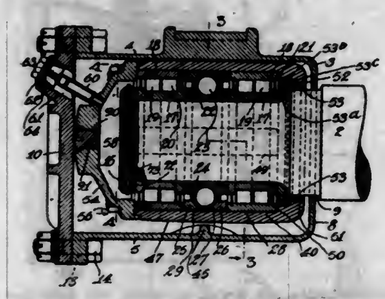
18. In a hosiery knitting machine embodying means to knit a tubular fabric with heel and toe pockets, the combination of a take-up acting on the entire width of the fabric, and an auxiliary take-up exerting continuous tension on that segment of the fabric containing the heel and toe pockets said auxiliary take-up being located between the first-named take-up and the knitting point, substantially as set forth.

1,638,956. FRUIT KNIFE. HARRY ARTHUR PINCHBECK and ARTHUR SAMUEL PINCHBECK, London, England. Filed Apr. 21, 1926, Serial No. 103,608, and in Great Britain July 22, 1925. 7 Claims. (Cl. 146—3.)



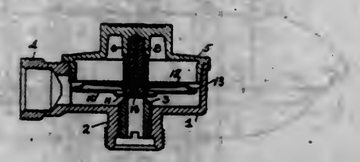
1. A combined fruit cutting and seeding device consisting of a handle, a U-shaped cutting blade curved in profile and provided with re-entrant seeding barbs at the extremities thereof.

1,638,957. JOURNAL BEARING. WILLIAM A. PITT, Montreal, Quebec, Canada, assignor of one-half to George F. Sheppard, Montreal, Canada. Filed Dec. 21, 1925. Serial No. 76,602. 12 Claims. (Cl. 308—180.)



1. The combination with a journal box closed on all sides except at its front and having a centrally located opening in its inner or rear side; a cover closing said front; a journal extending into the journal box through said opening to within close proximity of the cover but short of it; anti-friction radial load bearings encircling the journal and consisting of rings snugly encircling the journal and having grooved peripheral faces constituting inner raceways; means for securing the rings upon the journal consisting of a removable collar on the outer end of the journal; anti-friction devices adapted to run in said raceways, said devices being longitudinally movable in unison with the journal; and outer rings encircling the anti-friction devices and constituting outer raceways therefor, said last-mentioned rings permitting longitudinal movement of the anti-friction devices relatively thereto; and a hollow closed box-like container located within the journal box and enclosing the journal and anti-friction bearings, said container having a convex bearing surface in bearing relation with the journal box and said container and anti-friction bearings being constructed and arranged to be inserted to or withdrawn from position on the journal as a unit.

1,638,958. THERMOSTATIC WAFER. BRUCE B. PRESTON, Cleveland Heights, Ohio, assignor to The Ideal Heating Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 8, 1926. Serial No. 153,370. 7 Claims. (Cl. 297—9.)

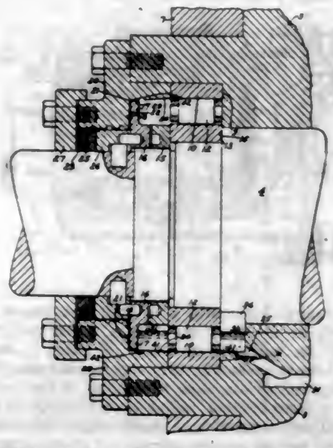


2. In a thermostat wafer, the combination of a rigid nonexpanding disk, having a depressed central valve portion, a flexible disk member sealed to said rigid member to form the wafer, and a mounting and filling plug attached to said flexible member.

1,638,959. ROLLER BEARING FOR CLUTCH MOTORS. RAOUL PRUGNA, East Liberty, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 7, 1926. Serial No. 127,873. 5 Claims. (Cl. 308—187.)

1. The combination with a stationary shaft and a rotor member rotatably mounted thereon, of an oil-lubricated roller bearing comprising inner and outer races supported by said shaft and said rotor member, respectively, and a housing member carried by said rotor member in juxtaposition to said outer race and having a flaring an-

nular cavity opening onto said outer race, the lubricating oil being of such quantity as to be retained, without overflow, in the bottom of the annular chamber provided by said rotor member, said outer race and the cavity of

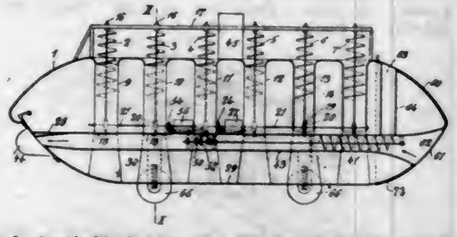


said housing member when the rotor is at rest, the oil being thrown to the outer periphery of said chamber when the rotor is rotating and being maintained in said outer race by the flaring shape of said cavity and the effect of centrifugal force.

1,638,960. TRANSPARENT SEALING WAX. JOSEPH PRIKELMAYER, Valjevo, Yugoslavia. Filed Oct. 17, 1925. Serial No. 63,138. 2 Claims. (Cl. 87—19.)

1. A transparent sealing composition consisting of a mixture of natural orange shellac, Venetian turpentine, colophony water white, and mastic resin.

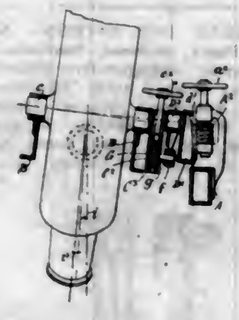
1,638,961. AIRSHIP. SEVERIN RICHARDSEN, Strommen, Norway. Filed Dec. 29, 1926, Serial No. 157,830, and in Norway Apr. 23, 1926. 6 Claims. (Cl. 244—18.)



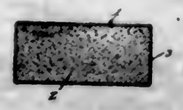
1. An airship heavier than air, comprising a hull, horizontal and vertical channels through the same, air screws in said channels for supporting and moving the airship, said horizontal channels being flattened at their rear end, and a side rudder between the rear ends of said horizontal channels.

1,638,962. APPARATUS FOR GUN MOUNTING, LAYING, AND SIGHTING FOR ARTILLERY ON AEROPLANES. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed June 30, 1923, Serial No. 648,833, and in France May 3, 1923. 9 Claims. (Cl. 33—49.)

9. An aeroplane gun mount comprising, in combination with a gun, means mounting the gun for universal movement, sighting apparatus including a reflecting prism operatively connected with the gun to maintain a proper angle of elevation, supplemental laying means for transversely inclining the gun through an angle of deviation independently of said prism, and means acting through said first named means for transversely inclining said gun and prism simultaneously.



1,638,963. STOCK-FEED COMPOUND. ALLEN B. SCHREIBER, St. Joseph, Mo. Filed Mar. 18, 1926. Serial No. 95,730. 1 Claim. (Cl. 99—11.)



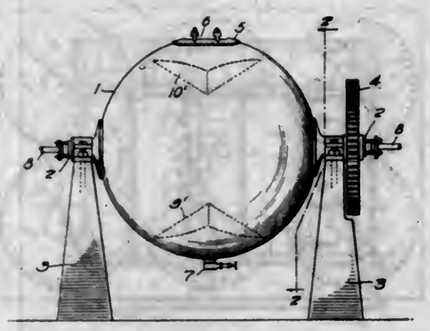
A cattle food of the character described, comprising bodies composed of a mixture of dry feeds and a liquid food, and a coating of food of sufficient density about each of said bodies designed to effect an unbroken seal to maintain the interior of the bodies permanently in a moist condition and to prevent the bodies from adhering.

1,638,964. METHOD FOR PRODUCING ANIMAL FEED. ALLEN B. SHREIBER, St. Joseph, Mo. Original application filed Mar. 18, 1926, Serial No. 95,730. Divided and this application filed Apr. 6, 1927. Serial No. 181,551. 2 Claims. (Cl. 99—11.)



1. A method of producing animal food in the form of small bodies for easy consumption, consisting in mixing a heavy liquid food with a combination of dry feeds, then forming said mixture into numerous small bodies and then coating said bodies with a normally slightly oily feed of sufficient density to seal and permanently maintain the bodies in a moist condition and to prevent the adherence of the bodies, one to another.

1,638,965. APPARATUS FOR BLEACHING WOOD PULP. FREDERICK G. SHERBONDY, Akron, Ohio, and MAX E. BOEHM, Appleton, Wis. Filed Mar. 6, 1926. Serial No. 92,867. 6 Claims. (Cl. 8—18.)



1. In apparatus for bleaching pulp comprising a gas-tight spherical chamber, supported for rotation about a diametral axis, means for subjecting the chamber to pressure, and agitating blades secured to the inner wall of the chamber, adjacent blades being formed to prevent convex and concave surfaces respectively to the pulp and in cooperation with the spherical shape of the container to produce alternate spreading and concentration flow of the material under treatment, as the spherical chamber is rotated.

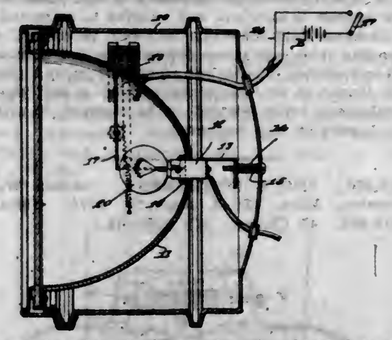
1,638,966. POULTRY-FENCE ATTACHMENT. HARRY STACY SMALL, Seabrook, N. H. Filed Feb. 25, 1927. Serial No. 170,908. 1 Claim. (Cl. 256—25.)



An attachment of the class described, comprising a pair of parallel spaced bars having apertures, a plurality of spacing members extending transversely of the bars and having lateral extensions provided with apertures to register with some of the first-mentioned apertures, U-shaped clips straddling one of the bars and the lateral extensions thereon and having apertures registering with the apertures of said last-mentioned lateral extension and the registering aperture of the last-mentioned bar, a plurality of pickets of an inverted U-shaped formation having their sides slidable through the apertures of the bars and the apertures of the clips and offset ends of the spacing members.

1,638,967. DEFLECTING SHADE FOR HEADLIGHTS. ETHEL D. SMITH, Vidalia, Ga. Filed Feb. 7, 1927. Serial No. 166,554. 1 Claim. (Cl. 240—45.)

In combination with a lamp casing having a lamp socket therein, arms extending laterally, forwardly and upwardly from opposite sides of the socket, means mounted upon the socket and connecting the inner ends of the arms to support said arms, bearings at the outer ends of the arms, a shield positioned between the arms and having pintles mounted in said bearings, a toothed wheel secured to one of the pintles, a solenoid having a toothed



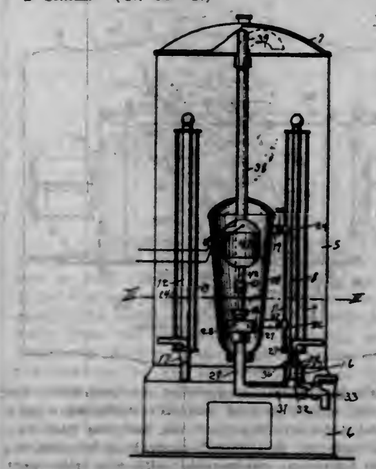
core engaging the wheel to swing the shield downward when the solenoid is energized and means to move the shield to a normally elevated position.

1,638,968. VIBRATION ABSORBER. CARL RICHARD SODERBERG, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,830. 7 Claims. (Cl. 248—16.)



6. A dynamo-electric machine comprising a stator and a rotor having a pulsatory torque, and beam spring supports on opposite sides of the stator and having flat sides disposed substantially radially whereby they are adapted to yield only in substantially tangential directions with respect to the rotor at the points of application of the spring supports.

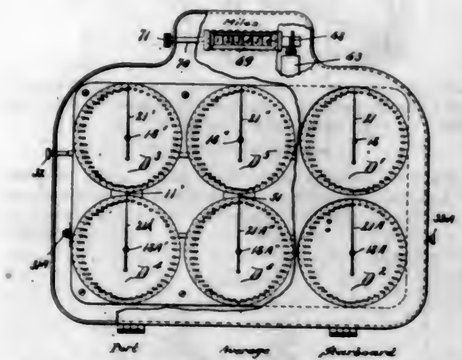
1,638,969. PERCOLATOR. THOMAS G. TINSLEY, Portland, Oreg. Filed Aug. 28, 1926. Serial No. 132,247. 1 Claim. (Cl. 53—3.)



In a coffee percolator attachment, the combination with the percolator having a pair of faucets, a casing resiliently mounted on said percolator and adjacent said

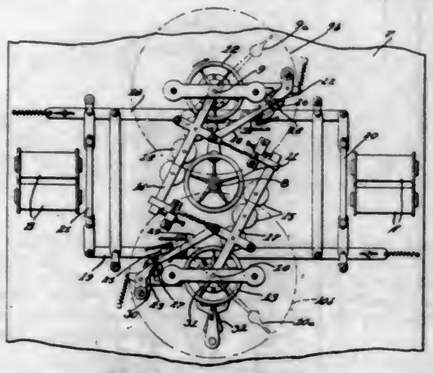
faucets, a motor positioned with said casing, a pump positioned within said casing and adapted to be rotated by said motor, a pipe extending from said pump to a point adjacent the upper extremity of said pump, a goose neck secured to said pipe and adapted to be moved so as to discharge fluid therefrom into said percolator, a pipe extending from said pump downwardly and horizontally, a faucet carried in said last mentioned pipe, a protuberance formed on said horizontal portion of said pipe, said protuberance being adapted to be clamped to either of said faucets of said percolator.

1,638,970. SHIP'S INSTRUMENT. GEORGE WALKER, Newton, Mass. Filed Aug. 23, 1919. Serial No. 319,392. 45 Claims. (Cl. 235—61.)



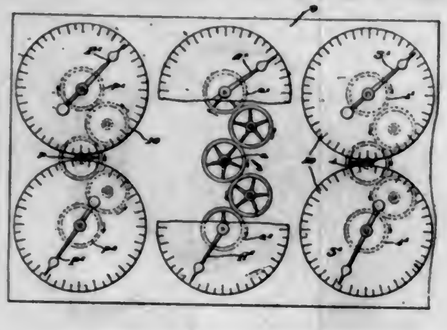
1. A ship's instrument comprising an indicator, and mechanism for successively advancing said indicator including a stationary part and a movable part, one of the parts having contacts distributed therealong recurrently to engage the other part to actuate said indicator, said contacts being distributed in accordance with the relation between the speed of the propeller, and the velocity of the ship throughout a predetermined range of propeller speeds.

1,638,971. DISTANCE INDICATOR FOR SHIPS, ETC. GEORGE WALKER, Newton Center, Mass. Filed Jan. 25, 1923. Serial No. 614,838. 20 Claims. (Cl. 235—95.)



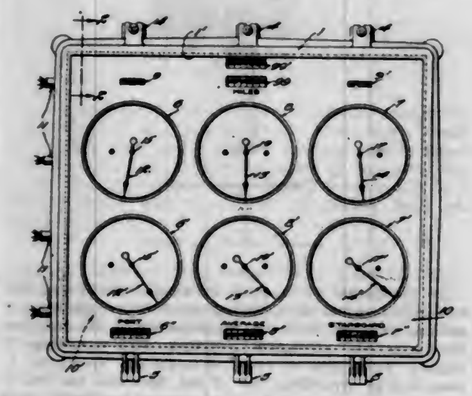
1. A ship's instrument comprising an indicator, and mechanism for actuating said indicator including a movable part and a cooperating part, the movable part having control elements distributed therealong successively to move into operative relationship with the other part, said control elements being spaced in accordance with the relation between the speed of the propeller and the velocity of the ship throughout a range of propeller speeds.

1,638,972. SHIP'S INSTRUMENT. GEORGE WALKER, Newton Center, Mass. Filed Jan. 25, 1923. Serial No. 614,842. 6 Claims. (Cl. 235—104.)



1. A ship's instrument comprising speed-controlled means constantly operated in proportion to the speed of the ship-propelling means, an oscillatory member adjacent said speed controlled means, means including a magnetic clutch for making a driving connection between said member and said speed-controlled means for a predetermined period, means for breaking said connection at the end of said period and holding said member stationary for a second predetermined period, and means for resetting said member to initial position at the end of the second period.

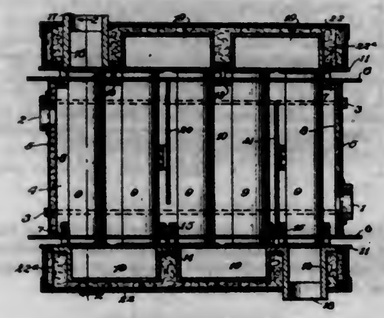
1,638,973. DISTANCE-MEASURING APPARATUS FOR SHIPS, ETC. GEORGE WALKER, Newton Center, Mass. Filed June 28, 1924. Serial No. 722,942. 16 Claims. (Cl. 235—104.)



1. Apparatus for measuring the distance traveled by a body driven by a propeller moving in a fluid medium comprising an indicator, and cam mechanism controlled by the speed of the propeller to advance said indicator in proportion to the distance traveled whether at constant or varying speed.

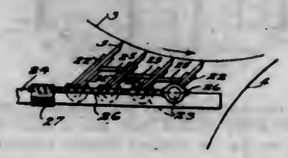
1,638,974. HEATER. LOUIS P. WEBERT, Waterbury, Conn. Filed Aug. 11, 1926. Serial No. 128,637. 2 Claims. (Cl. 257—223.)

1. A heater comprising a casing having an inlet and an outlet, plates at opposite sides of the casing and spaced therefrom, one of the plates being rigidly connected to the casing and the other plate being yieldably connected to the casing, a plurality of pipes extending through the casing and the walls thereof to which the said plates are connected and coupled to the latter, and boxes carried by said plates and connecting the ends of



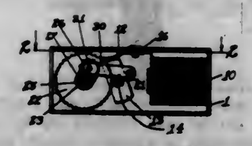
the pipes to provide a passage for the circulation of exhaust through the said pipes for heating the air passing through the casing.

1,638,975. MEANS FOR ELIMINATING WATER FROM THE PULP ON THE WIRE OF PAPER-MAKING MACHINES. VICTOR ANTOINE, Lambermont, near Ensival, Belgium. Filed Aug. 8, 1925. Serial No. 48,938, and in Belgium Aug. 12, 1924. 6 Claims. (Cl. 92—44.)



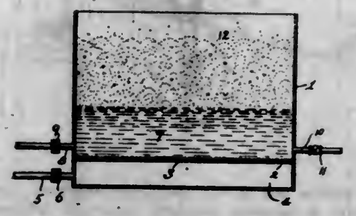
1. In a paper making machine in combination with the wire and the couch rolls, means for tensioning the wire in advance of the point of squeeze of the couch rolls and wiping means contacting with the tensioned wire whereby the water expressed from the pulp by pressure between the wire and the roll is led away.

1,638,976. WINDSHIELD CLEANER. RALPH G. ABEY, Worcester, Mass., assignor to Worcester Bilt-Rite Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 28, 1923. Serial No. 641,960. 7 Claims. (Cl. 172—36.)



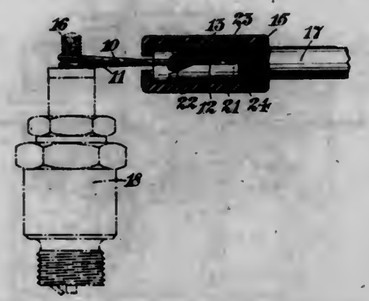
1. In a device of the class described, a casing of conducting material, a shaft rotatably supported therein, a magnet located within said casing, a rotatable armature adapted to be actuated by said magnet for operating said shaft, means controlled by the position of said armature for energizing said magnet and means for holding said armature in a nonenergizing position.

1,638,977. TREATMENT OF LIQUIDS CONTAINING OIL OR FATTY SUBSTANCES AND THE LIKE. JOHN AVERY, Armadale, Australia, assignor to Australian Lanoline Proprietary Limited, Melbourne, Victoria, Australia. Filed Sept. 27, 1923, Serial No. 665,241, and in Australia Oct. 23, 1922. 5 Claims. (Cl. 87—6.)



1. In the treatment of wool scouring liquors containing fatty substances (such as lanoline) subjecting the said liquors to aeration by means of a stream of minute bubbles of air, at a temperature of from about 90° F. to about 100° F. under such conditions that a sufficiently stable froth is formed and removing the froth from the liquid.

1,638,978. CONNECTING DEVICE. FRANK BOURNE and CEDRIC ADDLEY BOURNE, London, England. Filed Mar. 24, 1926, Serial No. 96,908, and in Great Britain Jan. 25, 1926. 3 Claims. (Cl. 173—269.)



1. A connecting device comprising two connected prongs disposed side-by-side and resiliently movable relative to each other, one of said prongs at least having at its free end a hook lying substantially in a plane containing the prong on which it is provided while extending away from the second prong and being so shaped and positioned relative to said second prong as to enable a bar embraced by the hook to be gripped therein by the resilient pressure of said second prong when the latter lies transversely of the hooked prong pressing the bar against one limb of said hook, the prongs being of such length relative to the thickness of the bar to permit their being resiliently strained apart and the bar to be slipped between the prongs by a relative movement of the device and the bar in the direction of length of the prongs, the device and bar then being capable of relative

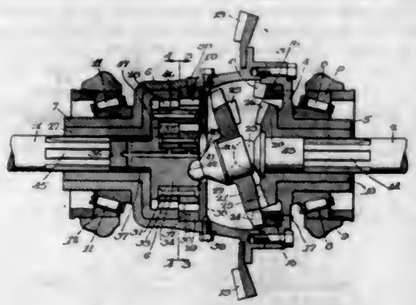
rotation about the longitudinal axis of the device thereby straining the prongs into a position for the hook to face and being engageable with the bar, the latter being gripped resiliently therein by said second prong.

1,638,979. CLOTHESPIN. ADA L. BROKING, West New York, N. J. Filed Dec. 15, 1926. Serial No. 155,065. 2 Claims. (Cl. 24—137.)



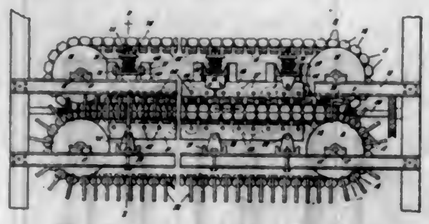
2. A clothes pin of the character described, comprising a pair of members pivotally connected intermediate their ends, means for causing said members to be forced together at one end, a portion of one of said members being formed to set up a pair of outwardly pressed semicircular portions and the opposed portion of the end of the other member being relatively straight and terminating in a transversely extending rib designed to position in the lowermost one of the semicircular portions of the opposite member.

1,638,980. DIFFERENTIAL GEARING. GEORGE L. CADMAN, Beloit, Wis. Filed Dec. 3, 1924. Serial No. 753,600. 4 Claims. (Cl. 74—99.)



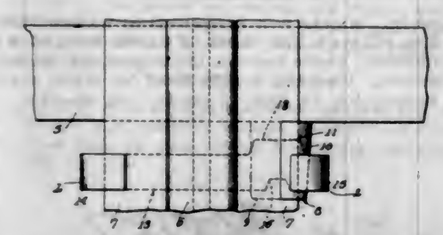
1. In gearing, the combination of axially alined shaft sections, a rotary casing having end portions sleeved over said shaft sections, a lateral tooth ring gear rigid with said casing, a bevel gear adjacent said ring gear and keyed to one shaft section, a gyratory wabble gear provided with peripheral teeth engaging the ring gear, and with lateral teeth engaging the bevel gear, means axially alined with said one shaft section to form a supporting bearing for said wabble gear at one side thereof, means eccentric to the other shaft section to form a supporting bearing for said wabble gear at the other side thereof, an internal tooth ring gear rigid with said casing and encircling said eccentric bearing, a smaller internal tooth ring gear disposed at one side of said first mentioned internal tooth gear and keyed to said other shaft section, a double pinion mounted on said eccentric bearing and provided with two toothed peripheries of different diameter engaging said internal tooth ring gears, and means for rotating said casing.

1,638,981. CONTINUOUS PRESS. ANGELO COLUMBO, Stockton, Calif. Filed Mar. 20, 1926. Serial No. 96,175. 13 Claims. (Cl. 100—37.)



1. In a machine of the character described, a pair of chains, a worm engaging the adjacent runs of said chains for driving them, and means carried by the chains for holding the adjacent runs thereof together.

1,638,982. TWO-PIECE RAIL ANCHOR. ADONIRAM J. COOK, Westerlo, N. Y., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1926, Serial No. 115,914. Renewed Jan. 22, 1927. 11 Claims. (Cl. 238—324.)



1. The combination in a rail anchoring device, of an anchor bar having hooked ends and a lever, and a wedging device having an inclined surface adapted to engage said lever and twist the bar upon a rail flange and upon the wedging device.

1,638,983. TIRE-DEFLATION INDICATOR. FRANCIS G. CRONE, Buffalo, N. Y. Filed Apr. 6, 1926. Serial No. 100,079. 5 Claims. (Cl. 200—58.)

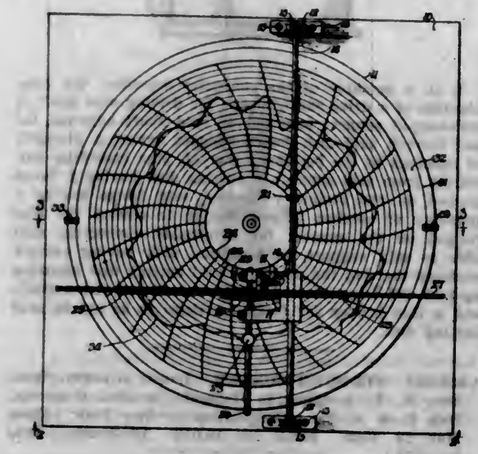


1. An electric switch having a fixed switch contact adapted to be mounted on a support and a movable contact guided on said support for vertical movement into and out of engagement with said fixed contact, and a detector connected wtih said movable contact and capable of longitudinal movement and also a lateral movement

in all directions upon engaging the ground and comprising an upright spring connected at its upper end with said movable contact.

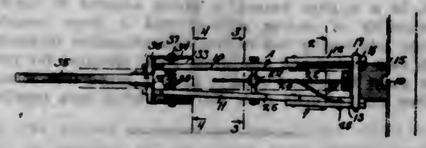
3. An electric switch having a fixed switch contact adapted to be mounted on a support and a movable contact guided on said support for movement into and out of engagement with said fixed contact, and a detector connected with said movable contact and capable of longitudinal and lateral movement upon engaging the ground and comprising an upright coil spring connected at its upper end with said movable contact, a pliable sheath surrounding said spring and having its upper end connected with the upper end of the same, and a shoe connecting the lower ends of said spring and sheath and adapted to engage the ground.

1,638,984. RADIAL AVERAGING PLANIMETER. ARTHUR B. CUNNINGHAM, Chicago, Ill. Filed Aug. 22, 1925. Serial No. 51,735. 17 Claims. (Cl. 32—122.)



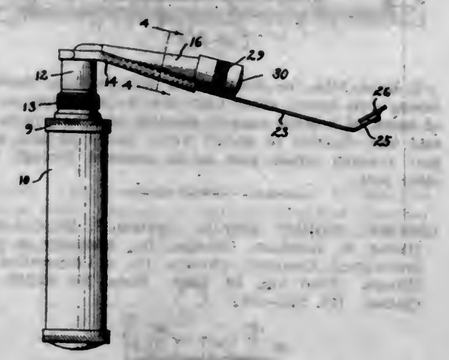
1. A measuring instrument having a movable member, an indicator, and a motion changing connection between said movable member and indicator for producing a movement ratio between said member and indicator, said motion changing connection having a motion ratio equal to the reciprocatal of two pi.

1,638,985. FLOOR-LAYING DEVICE. WILLIE C. DANIEL, Louisa, Va. Filed Apr. 6, 1926. Serial No. 100,185. 4 Claims. (Cl. 254—16.)



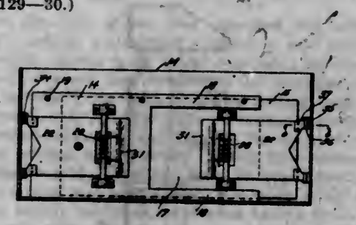
1. A device for laying flooring and sheeting comprising a frame including a pair of spaced side plates, off set guide pieces carried by the forward ends of the plate, guideways supported by said guide pieces extending flush with the inner faces of the side plates, a shoe slidably mounted within said guide-ways, a transversely extending connecting bar, means rockably connecting the ends of the connecting bar with the guide pieces for permitting swinging movement of the side plates toward and away from one another, means carried by the side plates for actuating the shoe, and means mounted upon the plates for moving the same toward and away from one another into and out of gripping contact with the joist.

1,638,986. DIAGNOSTIC INSTRUMENT. HENRY L. DE ZENG, Geneva, N. Y., assignor to De Zeng Standard Company, Camden, N. J., a Corporation of New Jersey. Filed Mar. 5, 1925. Serial No. 13,235. 2 Claims. (Cl. 128—11.)



1. In a device of the character described, a handle, a head on the handle having an offset arm with a longitudinal slideway thereon, a lamp adjacent the end of the arm, a slide having a condensing lens over the lamp, a resilient sheet stock blade adapted to fit in the slideway on the arm and having a displacement transverse to the slideway, and a mirror adjacent the other end of the blade, the said displacement of the blade being adapted to increase the resilient friction of the blade in the slideway and said lens slide being adapted to be moved with respect to the lamp to focus the light on the mirror.

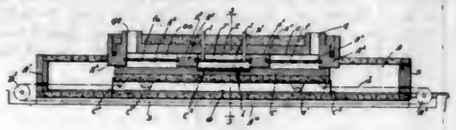
1,638,987. FOLLOWER BLOCK FOR FILING DRAWERS. LYSANDER H. DODGE, Huntington Beach, Calif. Filed July 30, 1925. Serial No. 46,976. 6 Claims. (Cl. 129—30.)



1. In a device of the character described, a block adapted to extend across a file compartment, a pair of gripping arms adapted to extend beyond opposite edges of the block and mounted thereon for pivotal movement about axes which are substantially parallel with the block, springs applied to the arms and adapted to swing them pivotally in opposite directions, and adjustable means acting between said arms and block adapted to limit the extent of pivotal movement of said arms in said directions.

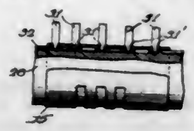
5. A follower block for a filing drawer, embodying a pair of telescopically arranged plates, in and extending transversely of the drawer, releasable means for holding the plates in adjusted telescopic relation, and means on the plates adapted to engage the side walls of the drawer releasably for holding the follower in predetermined position within the drawer.

1,638,988. RECIPROCATING CAR KILN. PHILIP D'HUC DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed Sept. 14, 1925. Serial No. 56,117. 5 Claims. (Cl. 25—142.)



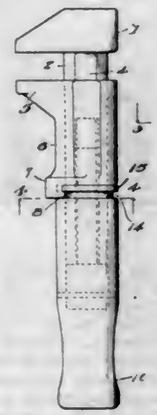
1. In a kiln the combination with a kiln chamber having two spaced apart ports for the inlet and egress of ware, of a ware support movable back and forth in said kiln chamber to permit wares loaded on said support through either port to be removed through the other port.

1,638,989. RIBBON SPOOL. JOSEPH S. DUNCAN and HENRY B. HUBBARD, Chicago, Ill., assignors to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 26, 1925. Serial No. 52,503. 8 Claims. (Cl. 242—10.)



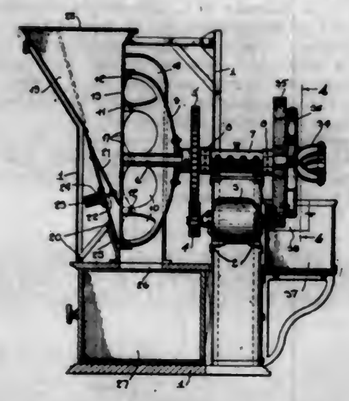
5. A ribbon spool formed from a blank of sheet metal having its side margins overlapped, there being openings punched in the under margin and the metal struck up thereby forming prongs, a ribbon received between said margins and held by said prongs, and punch pricks securing the margins and interposed ribbon together.

1,638,990. WRENCH. JOHN M. ELLIOTT, Rimini, S. C. Filed May 3, 1926. Serial No. 106,330. 2 Claims. (Cl. 81—170.)



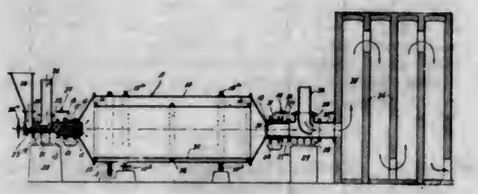
1. The combination with a sliding jaw, an integral stem having a threaded socket, and a non-rotatable guide sleeve on the stem having a fixed jaw, of a tubular handle rotatable on the stem, a screw bar within the handle having a head fixed thereto and operable in the threaded socket, and coupling means between the tubular handle and sleeve.

1,638,991. HOUSEHOLD FOOD CUTTER. SECONDO FREILINO, Leechburg, Pa. Filed Feb. 19, 1926. Serial No. 89,374. 2 Claims. (Cl. 146—115.)



1. In a machine of the character described, the combination of a drive shaft, means for driving said shaft, a dish-shaped support mounted on said shaft adjacent the end thereof, said dish-shaped support having a plurality of openings in the periphery thereof, pins extending outwardly from said support, a cutting disk having a flange formed on the periphery thereof, said flange having a plurality of notches formed therein to receive the pins formed on the support for detachably connecting said disk to said support, said cutting disk having cutting surfaces thereon, the center of said cutting disk abutting against and being pressed by the end of said drive shaft, and a feed hopper for feeding articles to be cut to said cutting disk.

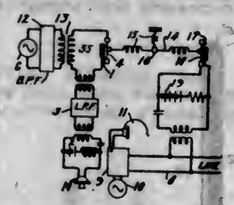
1,638,992. SULPHUR BURNER. LOWRY GILLETT, Syosset, N. Y., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Mar. 28, 1925. Serial No. 19,013. 13 Claims. (Cl. 23—279.)



1. In a sulphur burner, a casing adapted to contain a quantity of molten sulphur and a drum mounted within said casing and in free communication therewith, both said casing and said drum being mounted for rotation about horizontal axes to carry a broad film of said molten sulphur upon their surfaces during such rotation.

1,638,993. MODULATION SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Apr. 22, 1925. Serial No. 24,941. 8 Claims. (Cl. 179—171.)

1. A modulating system comprising a source of waves of signal frequency, a source of waves of carrier frequency, a condenser having a movable and a stationary plate, means for impressing an electric charge corresponding to said wave of signal frequency upon said condenser, means for causing said movable plate to vibrate in accordance with said waves of carrier frequency whereby a charge is produced on said condenser varying at side band frequencies, and means for utilizing said



charge of side band frequencies comprising an electric circuit and a band pass filter adapted to pass said frequencies.

1,638,994. FIRECRACKER. THOMAS G. HITT, Seattle, Wash. Filed Dec. 8, 1925. Serial No. 74,066. 2 Claims. (Cl. 102—22.)



1. A firecracker having a truncated tubular tapered body portion of substantially uniform thickness throughout its length, a charge of explosive matter securely wedged within the tapered body portion at a point between its ends.

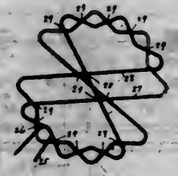
1,638,995. DRY-CELL ELECTRODE. HOWARD DOUGLAS HODGE, New York, N. Y., assignor to Burgess Battery Company, Madison, Wis., a Corporation of Wisconsin. Filed Mar. 24, 1925. Serial No. 17,858. 3 Claims. (Cl. 136—126.)



1. The method of trimming dry-cell cups which consists in pinching off the excess metal simultaneously with the last re-draw; substantially as described.

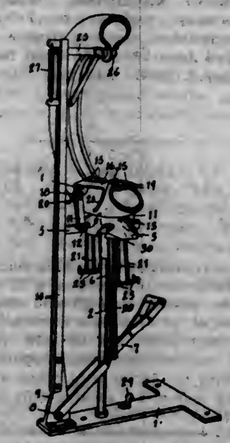
1,638,996. AIR CORE TRANSFORMER. EDWARD E. HOLMAN, Portland, Oreg. Filed May 27, 1925. Serial No. 33,129. 1 Claim. (Cl. 175—359.)

An air core transformer consisting of a plurality of superimposed interwoven coils each of which is substantially in the form of a figure 8 whose outer portions are in alternate wave form and whose inner portions are straight, said coils having the halves thereof wound in opposite directions, the alternate coils having one of their inner portions out of alignment with a corresponding portion in the next adjacent coil but parallel thereto,



and the second inner portion of each coil intersecting the corresponding portion of the next coil at a small angle; and means for holding said coils in rigid relation to each other.

1,638,997. TIRE SPREADER. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Sept. 13, 1926. Serial No. 135,272. 13 Claims. (Cl. 154—9.)

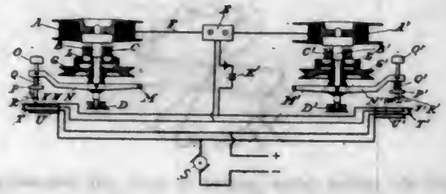


1. In a structure of the class described, the combination of a standard, a crosshead slidable on said standard, a downwardly curved work holder removably mounted on said standard above said crosshead, tire engaging hooks adapted to engage the bead of a tire resting upon said work support and provided with downwardly projecting arms adapted to engage and support the sides of a tire in spaced relation to the beads thereof, links connecting said hooks to said crosshead, pairs of arms pivoted on the under side of said work holder, said work holder being slotted to receive said arms, said arms having hooks slidably mounted thereon to engage a tire when opened upon said holder, an upright disposed at the side of said standard, said crosshead being slidably engaged with said upright, an arm slidably mounted on said upright and provided with a tire supporting roller overhanging said standard, a spring yieldingly supporting said arm, and means for actuating said crosshead.

1,638,998. CONTROLLING DEVICE FOR ELECTRO-MAGNETIC TALKING MACHINES. WILLY HORNAUER, Neukolln, Germany, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Filed June 20, 1925, Serial No. 38,556, and in Germany July 3, 1924. 2 Claims. (Cl. 179—100.2.)

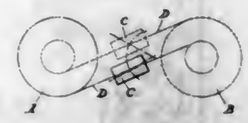
1. An electro-magnetic talking-machine of the character described, comprising a magnet system, an electric circuit for said system, a record wire cooperating with said

magnet system, spools carrying said wire, rotatable spindles carrying the spools, a driving mechanism for said spindles including a motor, clutch members whereby said spindles are normally coupled to the driving mechanism,



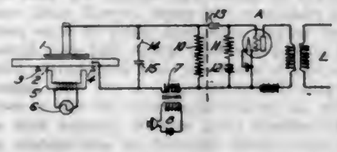
clutch-controlling members, and means whereby either of said clutch controlling members, when actuated for releasing a spindle, causes the magnet circuit to be closed and the motor to be started.

1,638,999. MAGNET CARRIER FOR ELECTROMAGNETIC TALKING MACHINES. WILLY HORNAUER, Neukolln, Germany, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Filed June 20, 1925, Serial No. 38,558, and in Germany July 3, 1924. 2 Claims. (Cl. 179—100.2.)



1. In an electro-magnetic talking-machine of the character described, the combination with a magnet box and a record wire passing through said magnet box from one spool to another, of a traverse mechanism, and means for supporting the magnet box on said traverse mechanism so that it can turn about its supporting point and shift together with the latter in a plane at right angles to the traversing movement, substantially as and for the purpose set forth.

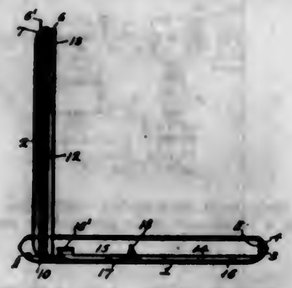
1,639,000. WAVE MODULATION. JOSEPH W. HORTON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 4, 1924. Serial No. 684,305. 7 Claims. (Cl. 179—171.)



3. In a transmitting system, a circuit, a source of signal voltage variations therein, a condenser in series with said source, and means for varying the capacity of said condenser at the carrier wave frequency to produce a signal-modulated wave.

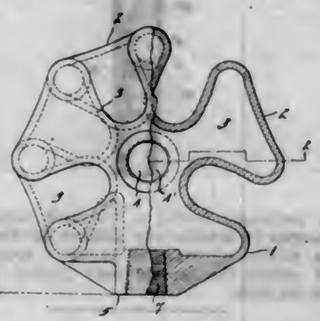
1,639,001. VANITY BOX. JOHN L. MCATEER, New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 16, 1926. Serial No. 81,650. 6 Claims. (Cl. 132—83.)

1. In a case of the character described, the combination of a rectangular body having a side wall the upper edges of which are turned in to form a continuous peripheral top flange or rim, a rectangular cover having a depending flange and arranged when closed to fit the



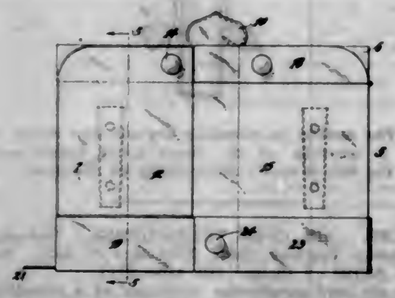
space within the rim, and a pivot uniting the parts frictionally held by the rim and flange so as to be invisible when the box is closed.

1,639,002. WATER-HEATER UNIT. LOUIS R. MENDELSON, Cleveland, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 22, 1926. Serial No. 137,045. 4 Claims. (Cl. 122—20.)



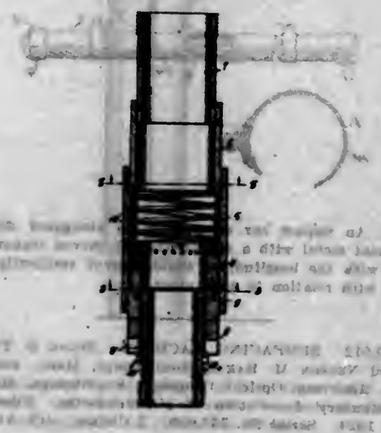
1. A heating unit comprising a pair of hollow spiders, the outer ends of the members of each of said spiders broadened and overlapping those of the other spider, adjacent members, one of each spider, provided with openings in a common face, each remaining member of each spider communicating with two members of the other spider.

1,639,003. VANITY CASE FOR AUTOMOBILES. NINA BRODRICK PRICE, New York, N. Y. Filed Sept. 9, 1926. Serial No. 134,520. 3 Claims. (Cl. 206—1.)



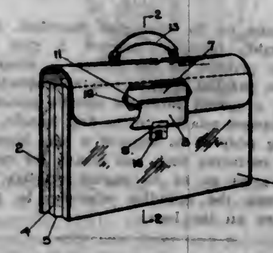
1. A vanity case formed with a shallow rear transverse compartment of the full depth and width of the case, a forwardly opening upper front compartment on one side, an upwardly opening upper front compartment on the other side, an end opening lower compartment on one side and a front opening lower compartment on the other side.

1,639,004. TUBING BLEEDER. LOUIS HARRY RILEY and CLARENCE OSCAR WOOD, Fellows, Calif. Filed June 23, 1925. Serial No. 39,148. 4 Claims. (Cl. 103—221.)



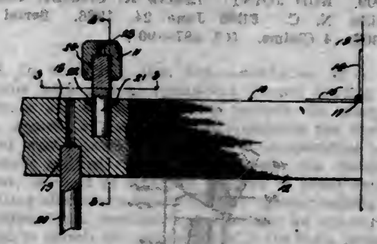
1. A tubing bleeder comprising in combination a main tube section, an auxiliary section secured to the main tube section and adapted to connect the same with a well tubing, a sleeve secured to the lower end of the main tube section having a beveled edge, a valve member mounted on the sleeve movable within the main tube section, a connecting member extending in spaced relation within the sleeve member and secured to the valve member, a spring member positioned between the valve member, the auxiliary section adapted to normally retain valve member firmly seated on the sleeve, the said sleeve being provided with angular slots engageable with lugs provided on the valve connecting member so as to permit elevation of the valve and raise the tube with the valve in its raised position.

1,639,005. BAGLIKE RECEPTACLE. MAX G. SCHEUER, New York, N. Y. Filed Jan. 8, 1927. Serial No. 159,791. 2 Claims. (Cl. 150—1.6.)



1. A bag comprising front and rear sides, intermediate collapsible body and end portions and a covering flap extending from the rear side over the top and downwardly along the front side of the bag, said covering flap being provided with an opening and said front side having secured to it a holding flap adapted to be introduced into and extend through said opening and over the front side of the bag, and releasable interengaging members on the holding flap and front side of the bag for temporarily securing the two together.

1,639,006. POULTRY ROOST. CLARENCE SCHWAN, Oklahoma City, Okla. Filed July 1, 1926. Serial No. 119,969. 5 Claims. (Cl. 119—25.)

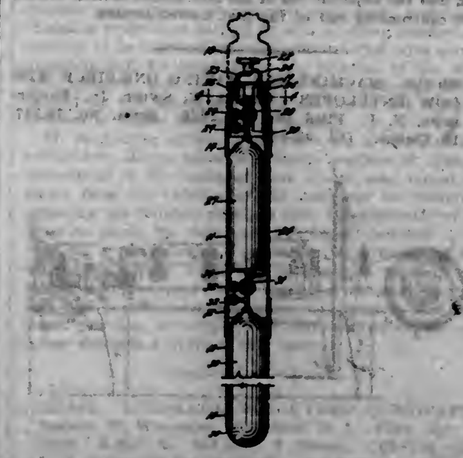


1. A poultry roost of the character described, comprising a supporting arm having a recess in its upper face, a vertical supporting pin received within said arm and surrounded by said recess, a roosting bar provided with a vertical bore designed to receive in the lower part thereof the upper end of said supporting pin, and means to permit a fluid placed in the upper portion of said vertical bore to pass downwardly about said pin.

1,639,007. PROCESS OF BUILDING UP SELF-BAKING ELECTRODES. MATHIAS OVROM SEM, Oslo, Norway, assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Filed Sept. 26, 1925, Serial No. 58,650, and in Norway Oct. 4, 1924. 7 Claims. (Cl. 204—64.)

1. The process of building up selfbaking electrodes which comprises preparing electrode sections of raw electrode mass outside the furnace in which they are to be employed, and connecting said sections to the non-working ends of partly used electrodes.

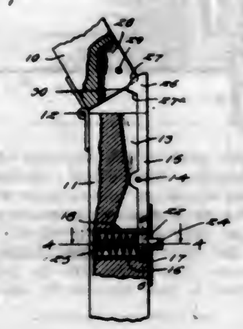
1,639,008. PORTABLE SELF-CONTAINED OIL-WELL HEATER. RICHARD S. SHANNON and PHILIP F. SHANNON, Denver, Colo. Filed Apr. 19, 1926. Serial No. 103,101. 8 Claims. (Cl. 166—17.)



1. An oil well heating device comprising a base tube; a body tube; a radiating tube; an air tank in said base tube; a gas tank in said body tube; a burner arranged

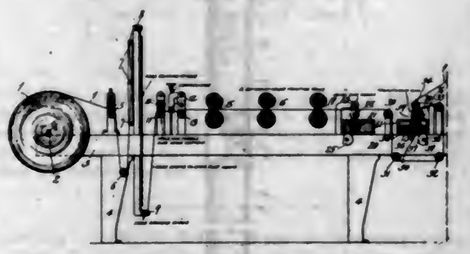
adjacent the lower extremity of said radiating tube and adapted to receive its fuel from said gas tank; and a burner support adapted to support said burner and close said radiating tube from said base tube; said burner support having openings in its sides, said openings being closed by the wall of said radiating tube.

1,639,009. ROD JOINT. LESLIE K. SINGLEY, Hendersonville, N. C. Filed June 24, 1926. Serial No. 118,307. 4 Claims. (Cl. 287—99.)



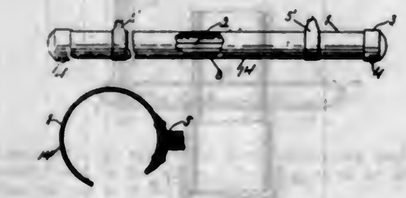
1. A rod joint comprising two rod sections having abutting ends connected at one side by a hinge, locking means at the opposite side, said locking means comprising a pivoted lever extending longitudinally of one of the sections and having one end thereof projected beyond the end of the section and provided with a head, the other of the sections having a pin, said head having a cam face for engagement by the pin as the sections are moved into aligned relation to thereby shift the head to one side and permit passage of the pin, the head having an inclined shoulder engaging the pin when the ends of the sections are in abutting relation and a spring engaging the opposite end of the lever and urging the head toward the pin whereby said inclined shoulder tends to cam the pin and the adjacent end of the last named section toward the confronting end of the first named section.

1,639,010. MACHINE FOR MAKING ONE-PIECE WINDOW ENVELOPES. GEORGE W. SWIFT, JR., Bordentown, N. J. Filed Dec. 14, 1925. Serial No. 75,317. 18 Claims. (Cl. 93—63.)



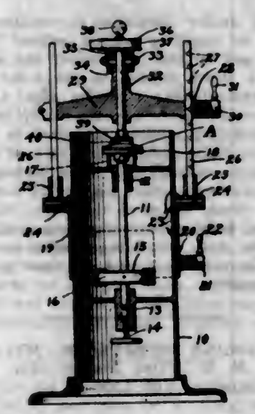
1. In a machine for making one-piece window envelopes, the combination of means for continuously advancing a web of envelope material, means for imprinting spaced patches of transparentizing material upon the running web, and means for forming envelopes from said web, with a drying and curing oven having an envelope conveyor passing through it.

1,639,011. IMPACT BAR FOR AUTOMOBILE BUMPERS. HUSTON TAYLOR, Detroit, Mich. Filed Jan. 31, 1927. Serial No. 164,815. 11 Claims. (Cl. 293—55.)



11. An impact bar comprising an elongated sheet of resilient metal with a section thereof curved transversely and with the longitudinal edges thereof resiliently movable with relation to each other.

1,639,012. SURFACING MACHINE. EDGAR D. TILLYER and NELSON M. BAKER, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 3, 1924. Serial No. 753,650. 2 Claims. (Cl. 51—55.)



1. In a device of the character described, a frame, a sleeve adjustably mounted thereon, a pair of spaced parallel arms pivoted to the sleeve, a crossbar firmly connecting the parallel arms, a rotatable spindle mounted in the frame, a second rotatable spindle mounted in the crossbar in opposed relation to the first spindle, one of the spindles being adapted to support a lens block, and the other a lens surfacing tool, and means for reciprocating the parallel arms so as to impart relative oscillatory motion between the spindles whereby to generate a spherical curve on the lens.

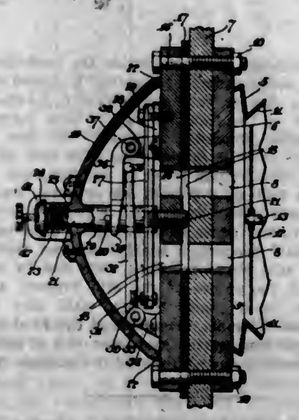
1,639,013. LOADING GUN. KINNEY TJOSSEM, Paullina, Iowa. Filed Oct. 25, 1926. Serial No. 143,048. 8 Claims. (Cl. 221—47.5.)

1. In a loading gun, a barrel, an axially mounted threaded rod therein, a piston threaded upon said rod and slidably but non-rotatably mounted in said barrel, and a screw secured to the rod between the piston and the mouth of the barrel, said screw having a greater pitch than that of the threads upon the rod, said rod at a point remote from the screw, having a reduced neck



to be received by the piston at the upper limit of its movement and to allow the screw to continue rotation after movement of the piston has stopped.

1,639,014. MEANS FOR SUPPLYING HEATED AIR TO COMBUSTION CHAMBERS. GERRIT VAN DAAM, Buffalo, N. Y. Filed Jan. 15, 1925. Serial No. 2,594. 4 Claims. (Cl. 110—175.)



1. In combination with a combustion chamber provided with an inlet port in the wall thereof, a chambered body supported within the combustion chamber and in communication with said inlet and provided with a discharge to the combustion space, a post extending from the outer surface of the combustion chamber wall, a bell-shaped member provided with a central sleeve movably mounted on said post and having a periphery adapted to engage said outer surface and to surround said inlet port, and a thermostat mounted upon said outer surface for moving the bell away from said outer surface.

1,639,015. CURLING IRON. AUGUSTUS C. VELTEN, Traverse City, Mich. Filed Dec. 18, 1925. Serial No. 76,222. 3 Claims. (Cl. 219—24.)



1. In a curling iron the combination of a suitable handle with a fixed cylindrical electric heating element thereon and a hub connection between the same, a curling element of tubular form to embrace the heating element and rotate thereon, with a co-operating clamping element pivoted thereto, a spring for the clamping element, one end of which is adapted to press against the heating element to retain the said tubular curling element frictionally in position, and a twirler on the curling element to permit the manipulation of the same independently of the handle, as specified.

1,639,016. PROTECTED CARD-INDEX SYSTEM. RODNEY J. WOOD, Dayton, Ohio. Filed Oct. 6, 1919. Serial No. 328,879. 49 Claims. (Cl. 129—16.)



1. In a filing device, a container for a series of data sheets resting upon their edges, a perforated cover for the container through which access may be had for manually oscillating the sheets but preventing the removal or disarrangement of the sheets.

33. In a filing device, a file box, a series of relatively movable file members therein, a reciprocatory selective member also capable of revoluble movement, a series of engaging projections carried by said selective member and adapted to be adjusted into engaging relation with certain predetermined file members by the rotation of the selective member, said file members being adapted to be shifted by the subsequent reciprocation of the selective member to expose the selected member.

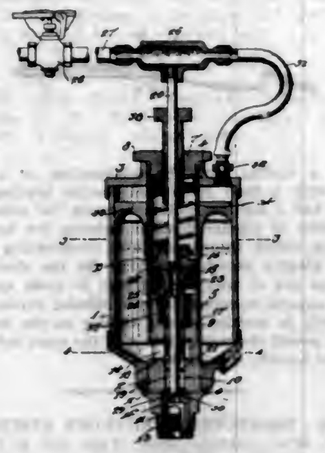
37. In a filing device, a container for a series of separable data sheets, movable follower members at opposite extremities of the series of data sheets, and means operable from the exterior of the container for relatively adjusting the follower members each independently of the other to clamp the data sheets in closed relation.

43. In a filing device, a container for a series of separable data sheets, a movable side section for said container, and swinging links connected to said movable side, and partially controlling its movement to and from closed position, whereby access may be had to the container through a vertical side thereof.

1,639,017. AUTOMATIC FORCE-FEED LUBRICATOR. JOSEPH W. WOODRUFF, Elizabeth, N. J. Filed Apr. 21, 1926. Serial No. 103,487. 7 Claims. (Cl. 184—39.)

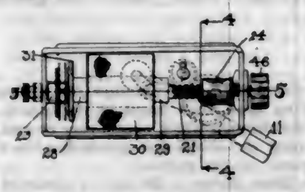
1. A device of the character described, comprising a reservoir for lubricant, an auxiliary discharge chamber communicating with said reservoir and having an outlet,

means for forcing lubricant from said reservoir into said discharge chamber, and a reciprocating valved ejector piston to force lubricant from said discharge chamber



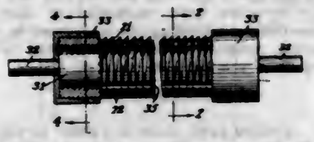
through said outlet, said ejector piston also serving to control said outlet and the movement of lubricant from said reservoir into said discharge chamber.

1,639,018. WINDSHIELD CLEANER. RALPH G. AREY, Worcester, Mass., assignor to Worcester Bilt-Rite Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1923. Serial No. 678,244. 3 Claims. (Cl. 172—36.)



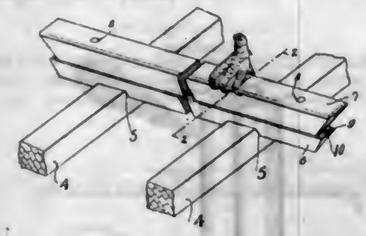
1. In a device of the class described, a rotatable armature having windings and polar extremities, a nonpolarized stationary yoke of magnetic material disposed around said armature, a cam member carried by said armature, a stationary contact member, a movable contact member, and a second cam member adapted to operate said movable contact member upon being engaged by said first cam member.

1,639,019. MANDREL. FRANK AUTY, New York, N. Y. Original application filed Mar. 5, 1924. Serial No. 697,063. Divided and this application filed July 25, 1924. Serial No. 728,072. 9 Claims. (Cl. 140—92.2.)



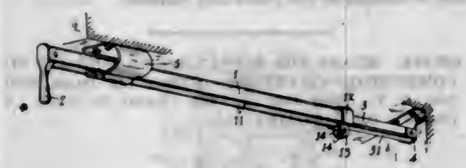
1. A mandrel for use in winding toroidal coils, said mandrel having a notch formation of maximum depth along one element thereof decreasing peripherally about the mandrel progressively to a minimum at the diametrically opposite element.

1,639,020. POULTRY PERCH. PETER BAAR, Zeeland, Mich. Filed Aug. 4, 1924. Serial No. 729,867. 2 Claims. (Cl. 119—25.)



1. A poultry perch structure comprising supporting bars having aligned V notches, a strip of triangular cross-section seating in said notches along one of its edges and having a flat side up, said flat side being depressed to form a trough for containing vermicide, a perch bar of generally V-shaped cross-section mounted on said strip to be entirely within said trough, the inclined sides of said perch bar overhanging said trough to be in the path of fumes arising from the vermicide in said trough.

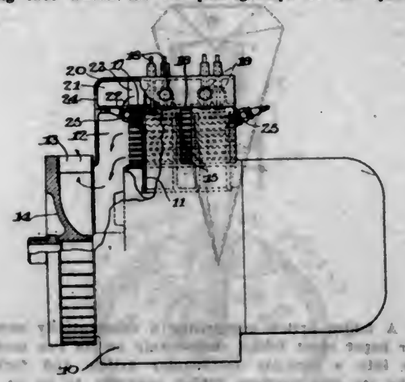
1,639,021. GARMENT CARRIER. CARL T. BATTS, Grand Rapids, Mich. Filed Sept. 24, 1925. Serial No. 58,266. 7 Claims. (Cl. 211—15.)



1. In an extension garment carrier the combination of an extensible slide member of inverted U-shaped channel form with the flanges extended inwardly at the under side, a handle at the front thereof, a fixed support for the said member comprising a channel bar open on its upper side and grooved to telescope with said slide and its flanges, an anti-friction roller at the front end thereof on which the said slide travels, an external bracket at the rear of said slide extending downwardly into ears, and an anti-friction roller on a pintle between said ears beneath the said support, a bracket secured within the inner end of said channel shaped slide and in ears depending within the groove of the said support, an anti-friction roller on a pintle between said ears secured thereto, a bracket for the inner end of the fixed support, and a G-shaped bracket for the outer end of said fixed support, all coacting as described for the purpose specified.

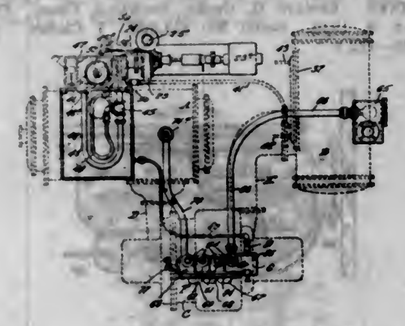
1,639,022. AIR-COOLED ENGINE. ANTON FRANK BROTZ, Kohler, Wis., assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Oct. 19, 1922. Serial No. 595,647. 5 Claims. (Cl. 123—171.)

2. In an air cooled engine, a vertical cylinder casting, an integral casing forming a horizontal air conduit across which the cylinder extends, horizontal heat conducting partitions extending across the air conduit and integral with the cylinder and casing and subdividing the air conduit into numerous similar air passageways each containing a portion of the cylinder wall, a removable cylinder head on the cylinder, a casing integral therewith forming a horizontal air conduit across the top of the cylinder head, vertical heat-conducting partitions extending across the air conduit and integral with the cylinder head and the casing and subdividing the air conduit into numerous similar air passageways, intake and exhaust manifolds for the cylinder head crossing the said air passageways, a chamber in the cylinder casing into which the air passageways of the cylinder



casing discharge, a chamber in the cylinder head casing into which the air passageways of the cylinder head casing discharge, there being communicating openings connecting the two chambers, and a blower fan communicating with an opening in the cylinder casing chamber.

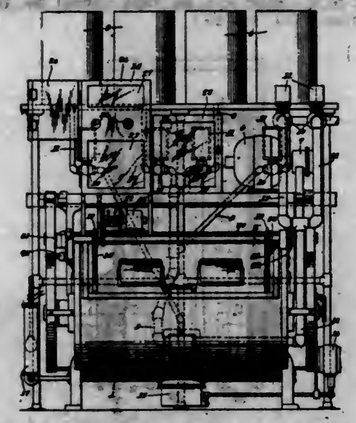
1,639,023. REFRIGERATING SYSTEM. WILLIS H. CARRIER, Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Aug. 7, 1923. Serial No. 656,152. 27 Claims. (Cl. 62—115.)



14. In a refrigerating system, the combination with an evaporator for a volatile liquid refrigerant, a compressor for the vaporized refrigerant, and a condenser for the compressed vapor, of a rectifier to which successive portions of the refrigerant liquid are diverted during the operation of the system, means whereby the heat from the refrigerating medium at a higher temperature than said liquid is utilized for vaporizing the refrigerant in the rectifier to separate impurities therefrom, and means for returning the vapor from the rectifier to the system.

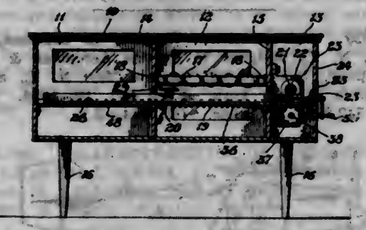
1,639,024. AUTOMATIC WASHING MACHINE. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 12, 1922. Serial No. 528,696. 3 Claims. (Cl. 68—18.)

1. An automatic washing machine provided with a door through which the material is introduced to and withdrawn from the machine and with operating means adapted to cause said machine to perform a cycle of



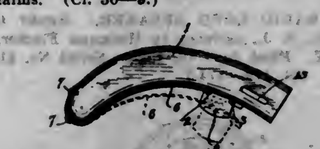
washing steps, and means controlled by closing movement of said door for causing said operating means to produce said cycle.

1,639,025. INCUBATOR. ALBERT HORACE DENAULT, Sault Ste. Marie, Ontario, Canada. Filed Jan. 4, 1926. Serial No. 79,250. 4 Claims. (Cl. 119—44.)



1. In an incubator of the character described and in combination, an egg rack, a slidably mounted shaft beneath the rack, a plate movable in said shaft, a slantwise recess in said plate, an egg-turning member movably mounted in said recess and normally retained in lowered position therein, means for operating the slidable plate whereby on the latter being horizontally moved the egg-turning member engages with the slantwise recess to travel upwardly to contact with the eggs.

1,639,026. STRING-MAKER'S PEG. HARRY L. DIEHL, Chicago, Ill. Filed Sept. 7, 1926. Serial No. 133,748 5 Claims. (Cl. 30—9.)

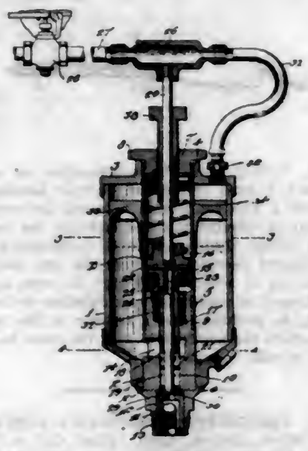


1. A string-maker's peg comprising an arcuate member, a movable branch attached to said arcuate member, and a slitting element carried by said branch.

1,639,027. ANTISCALE MATERIAL FOR BOILERS. ALFRED G. DOE, Quincy, Mass., assignor to American Boiler Life Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1921. Serial No. 465,018. 2 Claims. (Cl. 87—27.)

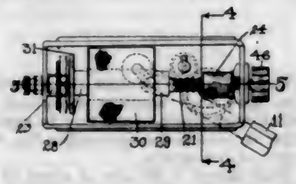
1. An anti-scale material for boilers composed of phosphate rock floats.

means for forcing lubricant from said reservoir into said discharge chamber, and a reciprocating valved ejector piston to force lubricant from said discharge chamber



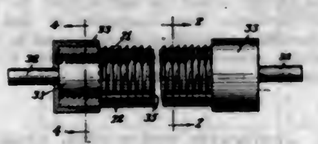
through said outlet, said ejector piston also serving to control said outlet and the movement of lubricant from said reservoir into said discharge chamber.

1,639,018. WINDSHIELD CLEANER. RALPH G. AREY, Worcester, Mass., assignor to Worcester Bilt-Rite Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 3, 1923. Serial No. 678,244. 3 Claims. (Cl. 172—36.)



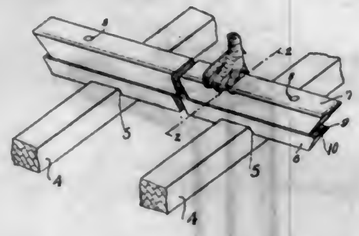
1. In a device of the class described, a rotatable armature having windings and polar extremities, a nonpolarized stationary yoke of magnetic material disposed around said armature, a cam member carried by said armature, a stationary contact member, a movable contact member, and a second cam member adapted to operate said movable contact member upon being engaged by said first cam member.

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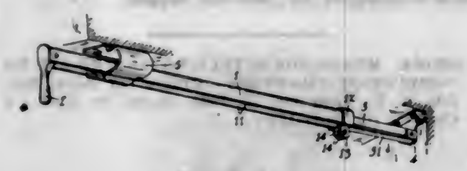
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1,639,020. POULTRY PERCH. PETER BAAR, Zeeland, Mich. Filed Aug. 4, 1924. Serial No. 729,867. 2 Claims. (Cl. 119—25.)



1. A poultry perch structure comprising supporting bars having aligned V notches, a strip of triangular cross-section seating in said notches along one of its edges and having a flat side up, said flat side being depressed to form a trough for containing vermicide, a perch bar of generally V-shaped cross-section mounted on said strip to be entirely within said trough, the inclined sides of said perch bar overhanging said trough to be in the path of fumes arising from the vermicide in said trough.

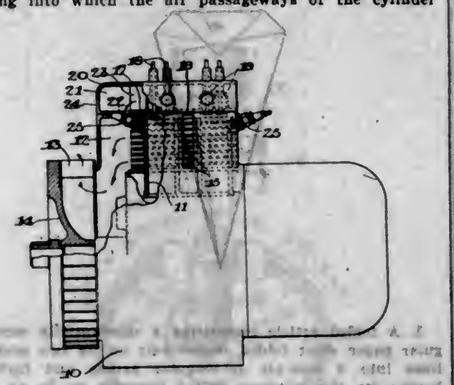
1,639,021. GARMENT CARRIER. CARL T. BATTS, Grand Rapids, Mich. Filed Sept. 24, 1925. Serial No. 58,266. 7 Claims. (Cl. 211—15.)



1. In an extension garment carrier the combination of an extensible slide member of inverted U-shaped channel form with the flanges extended inwardly at the under side, a handle at the front thereof, a fixed support for the said member comprising a channel bar open on its upper side and grooved to telescope with said slide and its flanges, an anti-friction roller at the front end thereof on which the said slide travels, an external bracket at the rear of said slide extending downwardly into ears, and an anti-friction roller on a pintle between said ears beneath the said support, a bracket secured within the inner end of said channel shaped slide and in ears depending within the groove of the said support, an anti-friction roller on a pintle between said ears secured thereto, a bracket for the inner end of the fixed support, and a G-shaped bracket for the outer end of said fixed support, all coacting as described for the purpose specified.

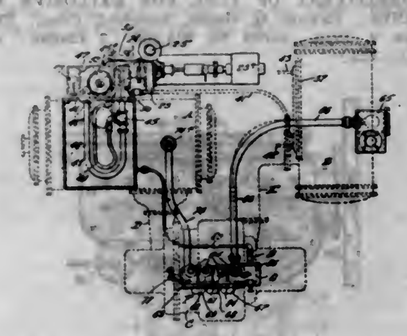
1,639,022. AIR-COOLED ENGINE. ANTON FRANK BROTZ, Kohler, Wis., assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Oct. 19, 1922. Serial No. 595,647. 5 Claims. (Cl. 123—171.)

2. In an air cooled engine, a vertical cylinder casting, an integral casing forming a horizontal air conduit across which the cylinder extends, horizontal heat conducting partitions extending across the air conduit and integral with the cylinder and casing and subdividing the air conduit into numerous similar air passageways each containing a portion of the cylinder wall, a removable cylinder head on the cylinder, a casing integral therewith forming a horizontal air conduit across the top of the cylinder head, vertical heat-conducting partitions extending across the air conduit and integral with the cylinder head and the casing and subdividing the air conduit into numerous similar air passageways, intake and exhaust manifolds for the cylinder head crossing the said air passageways, a chamber in the cylinder casing into which the air passageways of the cylinder



casing discharge, a chamber in the cylinder head casing into which the air passageways of the cylinder head casing discharge, there being communicating openings connecting the two chambers, and a blower fan communicating with an opening in the cylinder casing chamber.

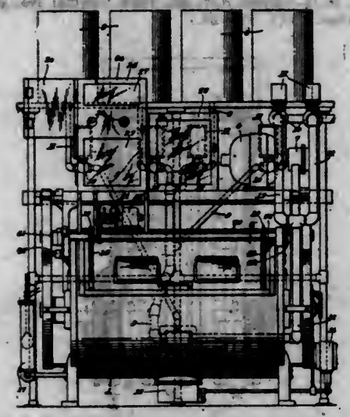
1,639,023. REFRIGERATING SYSTEM. WILLIS H. CARRIER, Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Aug. 7, 1923. Serial No. 656,152. 27 Claims. (Cl. 62—115.)



14. In a refrigerating system, the combination with an evaporator for a volatile liquid refrigerant, a compressor for the vaporized refrigerant, and a condenser for the compressed vapor, of a rectifier to which successive portions of the refrigerant liquid are diverted during the operation of the system, means whereby the heat from the refrigerating medium at a higher temperature than said liquid is utilized for vaporizing the refrigerant in the rectifier to separate impurities therefrom, and means for returning the vapor from the rectifier to the system.

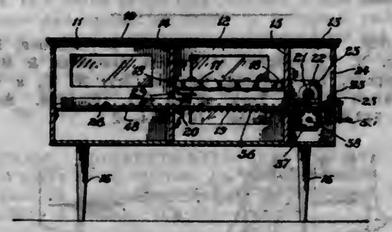
1,639,024. AUTOMATIC WASHING MACHINE. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 12, 1922. Serial No. 528,896. 3 Claims. (Cl. 68—18.)

1. An automatic washing machine provided with a door through which the material is introduced to and withdrawn from the machine and with operating means adapted to cause said machine to perform a cycle of



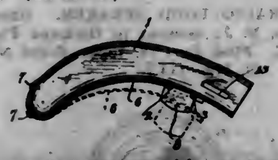
washing steps, and means controlled by closing movement of said door for causing said operating means to produce said cycle.

1,639,025. INCUBATOR. ALBERT HORACE DENAULT, Sault Ste. Marie, Ontario, Canada. Filed Jan. 4, 1926. Serial No. 79,250. 4 Claims. (Cl. 119—44.)



1. In an incubator of the character described and in combination, an egg rack, a slidably mounted shaft beneath the rack, a plate movable in said shaft, a slantwise recess in said plate, an egg-turning member movably mounted in said recess and normally retained in lowered position therein, means for operating the slidable plate whereby on the latter being horizontally moved the egg-turning member engages with the slantwise recess to travel upwardly to contact with the eggs.

1,639,026. STRING-MAKER'S PEG. HARRY L. DIEHL, Chicago, Ill. Filed Sept. 7, 1926. Serial No. 133,748. 5 Claims. (Cl. 30—9.)

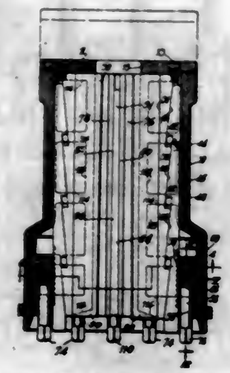


1. A string-maker's peg comprising an arcuate member, a movable branch attached to said arcuate member, and a slitting element carried by said branch.

1,639,027. ANTISCALE MATERIAL FOR BOILERS. ALFRED G. DOE, Quincy, Mass., assignor to American Boiler Life Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1921. Serial No. 465,918. 2 Claims. (Cl. 87—27.)

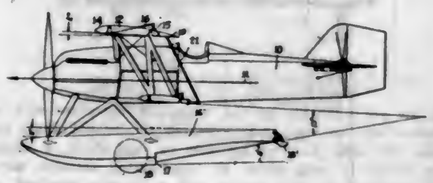
1. An anti-scale material for boilers composed of phosphate rock fleats.

1639,028. CUTTER HEAD. JAMES A. EDEN, Jr., Springfield, Mass., assignor to Walter H. Foster, New York, N. Y. Filed Apr. 25, 1924. Serial No. 708,840. 9 Claims. (Cl. 82—20.)



1. A cutter-head including a plurality of integral skeletonized segments, cutter-blades and guides arranged in pairs seated against said segments and means for exerting a pressure in a direction substantially normal to said blades and guides for securely clamping them against said segments whereby each pair can be secured in position independently because of the integrality of said segments.

1,639,029. AEROPLANE. WILLIAM L. GILMORE, Mineola, N. Y., assignor to Curtiss Aeroplane & Motor Company, Incorporated, Garden City, N. Y., a Corporation of New York. Filed Oct. 10, 1924. Serial No. 742,823. 6 Claims. (Cl. 244—2.)



1. An aeroplane adapted to land, water and air operation, characterized by the fact that the supporting surface and the float are both permanently set, the former at a positive angle and the latter at a negative angle to the line of thrust whereby, in effecting a slow speed landing, a high lift angle may be accorded the wing.

1,639,030. RADIO LOUD SPEAKER. HENRY GREEN, Union Hill, N. J., assignor to Hermann Fischer, New York, N. Y. Filed June 18, 1926. Serial No. 116,957. 5 Claims. (Cl. 179—114.)



1. In a radio loud speaker, an induction spool, a magnet, a vibratory plate supported for vibration by said magnet, a diaphragm, a tongue extending transversely of the diaphragm and connected therewith and a rigid connection between said tongue and the vibratory plate.

1,639,031. FOLDED PAPER NAPKIN. AARON GROFF, St. Paul, Minn. Filed Dec. 21, 1925. Serial No. 76,677. 3 Claims. (Cl. 206—57.)



1. A folded article comprising a substantially rectangular paper sheet folded successively on its two median lines into a four-ply rectangular article and further having its side portions folded inwardly to lie at opposite sides of its central portion along lines extending substantially from one folded corner to intermediate points on the sides forming the opposite corner, thus producing an article having a point at the free edges of said plies, said article having the said point folded over on a line, normal to the median line thereof, and disposed between the point occupied by the tip of said point before said point was folded over and the line joining said intermediate points.

1,639,032. TEMPERATURE CONTROL OF THE AIR CONSTITUENT OF FUEL FOR EXPLOSIVE ENGINES. EDWARD H. GROSS, Stamford, Conn. Filed Jan. 9, 1923. Serial No. 611,565. 7 Claims. (Cl. 123—122.)

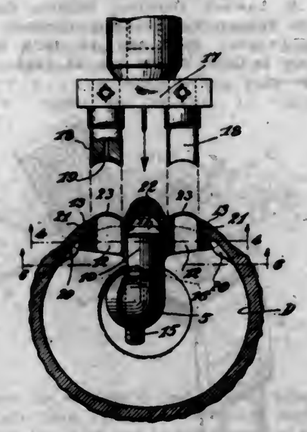


1. The combination with an explosive engine, of a fuel supply passage, a carburetor having an air inlet, means connecting said fuel supply on said carburetor and means for controlling the temperature of the explosive medium supplied by said carburetor to said engine, said controlling means being responsive to the temperature of the supplied air and to the temperature of the engine.

1,639,033. MEANS FOR FORMING EYE OPENINGS IN THE HEADS OF DOLLS AND OTHER FIGURE TOYS. LEO J. GRUBMAN, Belle Harbor, N. Y., assignor to Grubman Engineering & Manufacturing Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed Oct. 12, 1926. Serial No. 141,207. 16 Claims. (Cl. 164—118.)

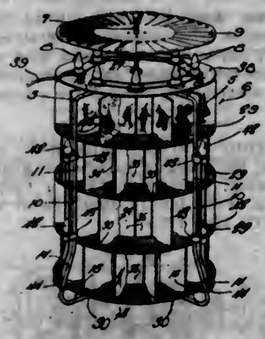
1. Means for forming spaced eye openings through the wall of a doll head including a support having spaced portions adapted to be positioned within the doll head,

means for positioning said portions in definite contacting relation with spaced parts of the doll head wall, and die cutters adapted to cut through said spaced parts of the



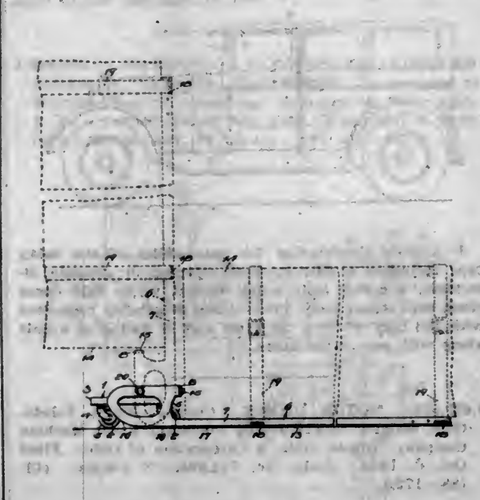
head wall to form the eye openings therethrough in accurate predetermined relation to the other molded features of the head wall.

1,639,034. NOVELTY DEVICE. WILLIAM HAENDEL, West Bend, Wis. Filed Feb. 23, 1926. Serial No. 89,913. 9 Claims. (Cl. 40—39.)



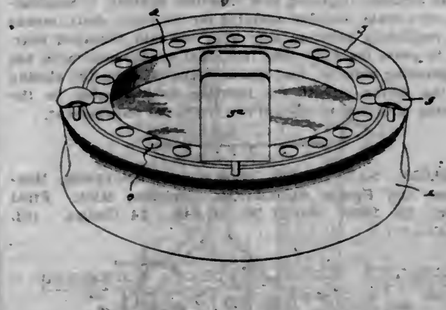
1. A device of the character described, comprising a supporting frame, a shaft, a plurality of spaced horizontal members carried by the shaft, a plurality of vane members mounted between the horizontal members and adapted to carry decorative matter, a stationary member at the frame upper end, a fan wheel fixed to the shaft above the stationary member, heat producing means carried by the stationary member and influencing the fan wheel to rotate the shaft and the members carried thereby, and means permitting the ready collapsing of the device.

1,639,035. COMBINED CASKET, SKID, AND DOLLY. WILLIAM A. HALL, Chicago, Ill. Filed Sept. 21, 1925. Serial No. 57,662. 9 Claims. (Cl. 280—11.)



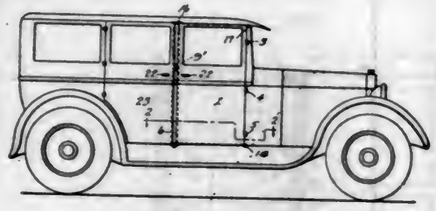
9. In a device of the kind described, a skid adapted to receive and support an article to be moved, such as a casket, a wheeled truck upon which the front end of the skid is pivotally mounted, the truck adapted to be readily swung up upon the pivotal connection substantially free of the floor upon which the skid rests while a casket is on the skid.

1,639,036. CIGARETTE-EXTINGUISHING ASH TRAY. WILLIAM H. J. HIPPLE, Jr., Philadelphia, Pa. Filed June 22, 1921, Serial No. 479,594. Renewed July 1, 1927. 3 Claims. (Cl. 131—51.)



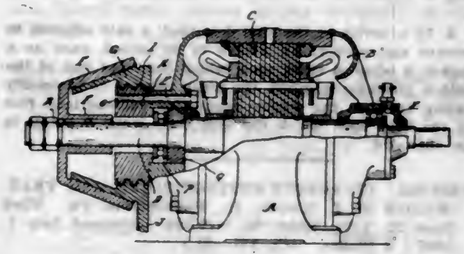
3. An ash receiving tray of dish form, a ring open at the top and bottom seated therein adjacent the circumference thereof, the inner face of the ring forming one wall of an ash receptacle, said ring having a plurality of tapered openings extending substantially vertically therethrough from top to bottom between the inner and outer walls of the ring, said openings being of a size at the top to freely receive a cigarette, while the other ends are small enough to prevent the passage of a cigarette, there being a space between the tray and the bottom of the ring to receive ashes falling through the cigarette receiving openings.

1,639,037. AUTOMOBILE BODY CONSTRUCTION. ARTHUR J. HOLLINGSHEAD, North Olmsted, Ohio. Filed June 17, 1926. Serial No. 116,542. 11 Claims. (Cl. 296—44.)



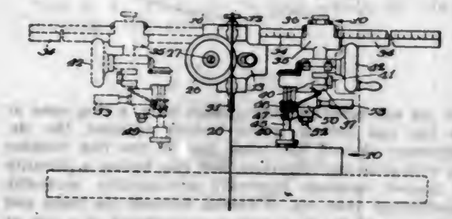
1. A body construction for automobiles of the sedan type including a pair of doors opening in opposite directions, a center body pillar against which said doors close, said center body pillars being detachably connected with the body whereby the same may be swung as a unit along with one of the doors.

1,639,038. MOTOR BRAKE. CONRAD JOBST, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 6, 1924. Serial No. 741,995. 8 Claims. (Cl. 188—172.)



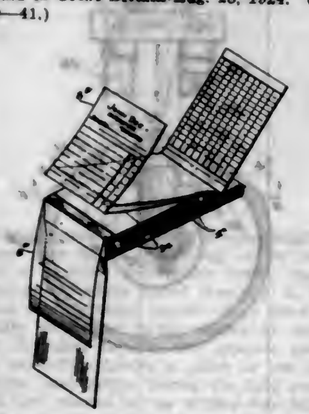
5. The combination with an electric motor, of a threaded bearing mounted on the motor casing, a motor brake member engaging said threaded bearing, a cooperating cone brake member mounted on the rotor shaft, means for resiliently rotating a member on said threaded bearing to press the same into frictional engagement with the cooperating member, and means actuated upon the closing of the motor circuit for rotating said member in the reverse direction to release the frictional engagement.

1,639,039. SAW GUIDE. EDWARD M. KNABUSCH, Monroe, and EDWIN SHOEMAKER, Carleton, Mich. Filed Oct. 10, 1925. Serial No. 61,648. 14 Claims. (Cl. 143—167.)



1. A saw guide having means of support therefor adjacent to a band saw, and adjacent to auxiliary devices for controlling the work, having structural provisions to support and permit adjustment of said devices bodily toward and away from the guide, serving to maintain said guide and said devices in fixed parallel relation when viewed from above, and having instrumentalities for engaging the sides and rear edge of the saw to hold the saw in position to perform the required work.

1,639,040. MANUFACTURE OF MANIFOLDING BOOKS. ALBERT R. LAWSON, Hamilton, Ontario, Canada, assignor to Toronto Type Foundry Company, Limited, Toronto, Canada. Filed Aug. 19, 1925, Serial No. 51,257, and in Great Britain Aug. 28, 1924. 6 Claims. (Cl. 270—41.)

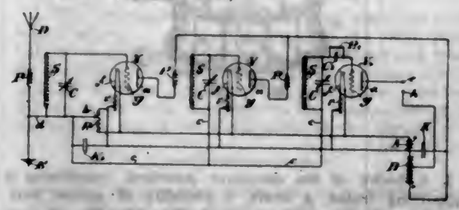


1. In a process of forming manifold books, the steps of folding a web of paper and leaving a single thickness thereof along one margin, and interleaving a transfer web between the folds with one margin of said transfer web overlying the said single thickness margin of the web of paper.

1,639,041. MANUFACTURE OF CORDAGE. WARREN K. LEWIS, Newton, Mass., assignor to Samson Cordage Works, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 20, 1924. Serial No. 738,964. 6 Claims. (Cl. 96—3.)

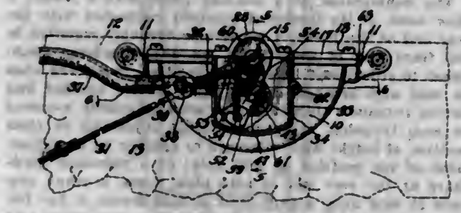
1. The herein described process which consists in fabricating a cord from a plurality of strands of material, at least one of which is loaded with a lubricant, while others are not so loaded, and subsequently diffusing said lubricant substantially through the adjacent strands.

1,639,042. RADIO SYSTEM. WILFORD C. MACFADDEN, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 686,056. 6 Claims. (Cl. 179—171.)



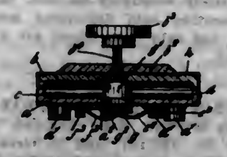
1. A tuned radio frequency amplifier system comprising a three-electrode thermionic amplifier, means for tuning the input circuit thereof, a radio frequency transformer having its primary in the anode circuit of said amplifier, the secondary of said transformer loosely coupled to said primary, said primary and secondary windings being relatively reversed, means for tuning the circuit of said secondary for a range of wave lengths for which the anode circuit of said amplifier is aperiodic and for which said amplifier is unstable when said input and secondary circuits are tuned thereto, and loss-producing means for maintaining said amplifier stable notwithstanding tuning of said input and secondary circuits throughout said wave length range.

1,639,043. AUTOMATIC WINDSHIELD CLEANER. BESHARA I. MALOUF, Brooklyn, N. Y., assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y., a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,430. 15 Claims. (Cl. 121—97.)



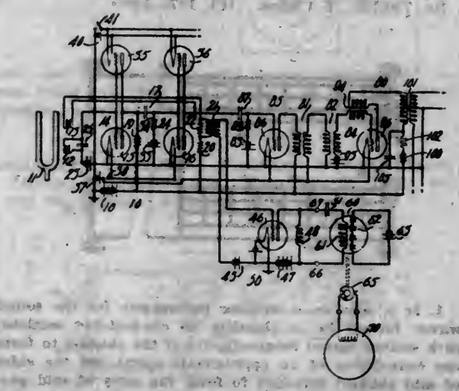
2. A motor for windshield cleaners comprising a casing having a valve seat, a piston in the casing, fluid conduits leading from the valve seat to the interior of the casing on opposite sides of said piston, a valve disk in contact with said seat, a pivot post on said casing pivotally mounting the disk for oscillatory movement to alternately connect the conduits with a source of operating pressure, a stop post mounted on the casing and coacting with the disk for limiting its oscillatory movement, a lever pivoted on one of said posts and having an end engaging a portion of said disk at one side of the pivot thereof, and having another end extending to the opposite side of said pivot, a rock shaft to which the piston is directly connected, said shaft having a part extending therefrom for swinging from one side of the pivot of said disk to the other side of said pivot, a spring connecting said shaft part to the extending end of said lever, said shaft-connected end of said spring being moved thereby from one side of the pivot of the disk to the other side of said pivot, and means operable by and during a movement of the piston for swinging said extending end of the lever after shaft extended end of said spring has been moved to the opposite side of the pivot of said disk.

1,639,044. VARIABLE INDUCTANCE. GEORGE FREDERICK MANSBRIDGE, New Barnet, England. Filed Aug. 16, 1924, Serial No. 732,531, and in Great Britain Aug. 27, 1923. 1 Claim. (Cl. 171—242.)



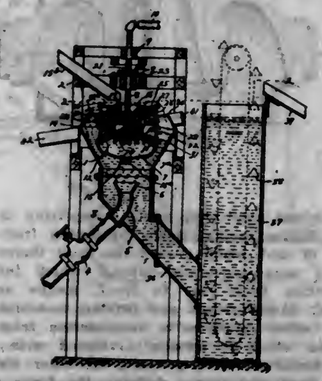
In a variable inductance, an upper disc having a partially circumferential groove, a lower disc having terminals on its underside and an upstanding stop, two substantially kidney-shaped inductance elements in each disc, a bushing in the lower disc, a metal plug carried by the upper disc and passing through the bushing in the lower disc, flexible connections from the inductance elements in the upper disc passing through the said plug to certain of the terminals on the underside of the lower disc, connections from the inductance elements in the lower disc to other of the said terminals, temporary switch members to bridge the said terminals so as to connect the said inductance elements either in series or in parallel at will, the arrangement being such that the said stop abuts against the end of the groove in the upper disc and limits the relative rotary movement of the two discs to 180°.

1,639,045. HARMONIC FREQUENCY PRODUCER. WARREN A. MARRISON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 8, 1923. Serial No. 636,364. 5 Claims. (Cl. 172—281.)



1. The combination with a source of electrical oscillations of constant frequency, of a three-electrode space discharge device having an input circuit associated with its grid electrode and an output circuit associated with its plate electrode and a feed back circuit linking said input circuit with said output circuit, and means in said output circuit causing impulsive energy to be fed from said output circuit to said input circuit for producing harmonics.

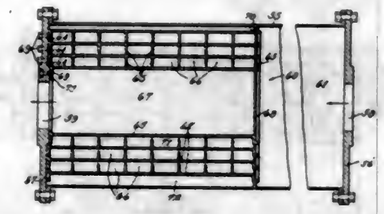
1,639,046. GRAVITY SEPARATOR AND PROCESS OF SEPARATION. EDGAR O. MARTY, Pottsville, Pa. Filed July 24, 1924, Serial No. 727,924. Renewed Jan. 10, 1927. 10 Claims. (Cl. 209—18.)



1. A gravity separator comprising a hopper, means for producing an upward current of liquid within said hopper, a hollow head within said hopper forming an annular passage for said current, said head having an upward discharge opening, means for delivering a mixture of materials differing as to specific gravity upon the central portion of said head, the top of said head being inclined to deflect said materials toward said annular passage,

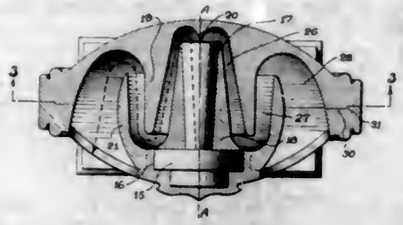
a pipe supporting said head and means for delivering a fluid through said pipe to the head for discharge through said opening to effect a flotation of a lighter one of said materials preliminary to a separation effected by the current through said annular passage.

1,639,047. SILENCER. HIRAM PERCY MAXIM, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a Corporation of Connecticut. Original application filed Jan. 25, 1923, Serial No. 615,434. Divided and this application filed Aug. 7, 1924. Serial No. 730,758. 5 Claims. (Cl. 137—160.)



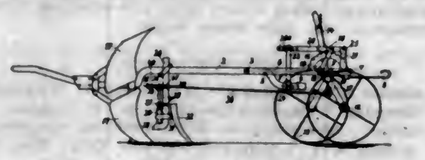
1. In a silencer, a winding passageway for the sound waves formed by a plurality of channel-like sections, each section curved longitudinally of the channel to form one convolution of an approximate spiral and the sides of said channel arranged to form the sides of said passageway, the several sections being progressively smaller in size and arranged with the inner extremity of a larger spiral section abutting and overlapping the outer extremity of a next smaller spiral section, and means for rigidly securing said sections in assembled relation.

1,639,048. SOUND-AMPLIFYING DEVICE. BENJAMIN F. MIESSNER, South Orange, N. J. Filed June 4, 1923. Serial No. 643,152. 11 Claims. (Cl. 181—27.)



1. A sound amplifying device comprising in combination, a hollow casing, means projecting from the rear portion of said casing toward the front thereof and defining a sound-conveying passage which increases in cross-section from rear to front, means surrounding said first named means and defining a sound-conveying passage which increases in cross-section from front to rear and which is serially connected with said first named sound-conveying passage, the outer wall of said second mentioned means defining the inner wall of a sound-conveying passage serially connected with said second mentioned passage and increasing in cross-section from rear to front, means secured to and supported by the front outer end of said casing for supporting said second mentioned means and permitting the exit of sound waves from the front end of said third named passage, and means for supplying sound waves to the smaller end of said first named passage.

1,639,049. ONE-WAY PLOW. ERICH MORGELIN, Moesen, Germany. Filed Dec. 24, 1926, Serial No. 156,944, and in Germany Oct. 9, 1926. 1 Claim. (Cl. 97—133.)



The combination, in a one-way plow, with a frame, a plow beam at its front end pivotally connected with the rear end of the latter, a wheel axle turnably mounted in the front end of said frame, an adjusting-lever mechanism to adjust said axle to any position, two crank ends on said axle arranged at an angle to one another and having trunnions thereon, and a wheel revolubly mounted on each trunnion, said wheels being adjustable in their position of height with reference to another by an adjustment of the position of said axle; of a turn-over plowshare at the rear end of said plow beam, a crank arm fixed to said axle, a fork fixed to said frame, a bar fulcrumed to said fork, a link pivotally connecting said crank arm with said bar, and another link pivotally connecting the free end of said bar with the front end of said plow beam, said plow share being adjusted to a deeper or higher position simultaneously with the adjustment of said wheels.

1,639,050. MINING MACHINE. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Oct. 24, 1921. Serial No. 509,980. 35 Claims. (Cl. 262—8.)

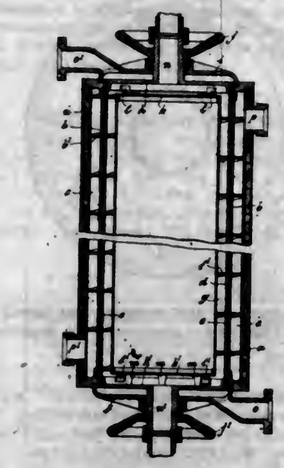


1. In a mining machine, the combination with a base frame adapted to rest on a mine floor, of a roof jack mounted thereon for sliding adjustment along arcuate lines, dislodging mechanism, a supporting frame carrying said dislodging mechanism and connected to said roof jack, means for adjusting the position of said dislodging mechanism by moving said supporting frame and said roof jack arcuately relatively to said base frame, and means for operating said dislodging mechanism while said roof jack and said base frame are anchored to act as an abutment.

1,639,051. HEAT-EXCHANGE APPARATUS. REGINALD LUTHER MUNDAY, Bath, England. Filed Dec. 21, 1926, Serial No. 156,197, and in Great Britain Dec. 5, 1925. 2 Claims. (Cl. 257—243.)

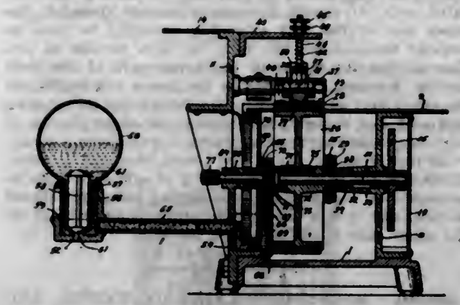
1. A heat-exchanging apparatus for fluids, which comprises, in combination, a cylindrical sleeve, a cylindrical shell fitted closely and coaxially therein, grooves disposed around said shell constituting a shallow spiral conduit between the sleeve and the shell, an outer jacket loosely enclosing said sleeve so as to provide an intermediate annular chamber, spiral baffles constituting a spiral conduit within said chamber, a cylindrical lining disposed coaxially within the cylindrical shell so as to provide a second intermediate annular chamber, and spiral baffles constituting a spiral conduit within said

second chamber, the fluid to be treated being passed in tenuous form through the shallow spiral conduit, and the heating or cooling fluid being passed through both the outer and the inner spiral conduits, contra-current to



the flow of fluid being treated, in continuous heat-conducting external and internal contact with said shallow spiral conduit, the shallow spiral conduit being of different pitch than the other spiral conduits.

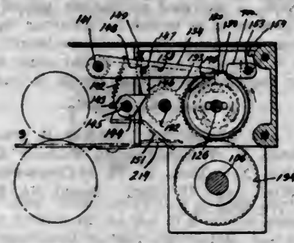
1,639,052. MAILING MACHINE. GEORGE E. NORTHROP, Stamford, Conn., assignor to Red Star Appliances, Inc., Stamford, Conn., a Corporation of Delaware. Filed Dec. 31, 1925. Serial No. 78,524. 8 Claims. (Cl. 91—41.)



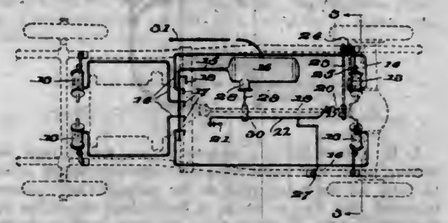
1. In a machine of the character described, the combination of a feeding drum by which envelopes are forwarded into the machine, a rotary brush coaxial with said drum and across the face of which the flaps of the envelopes are wiped to moisten the gum thereof, and a driving connection between said drum and said brush to slowly and continuously turn said brush.

1,639,053. MAILING MACHINE. GEORGE E. NORTHROP, Stamford, Conn., assignor to Red Star Appliances, Inc., Stamford, Conn., a Corporation of Delaware. Original application filed Dec. 31, 1925, Serial No. 78,524. Divided and this application filed Apr. 24, 1926. Serial No. 104,300. 9 Claims. (Cl. 101—235.)

1. In a machine of the character described, the combination of a printing drum, a power driven lower roll cooperating therewith, a driving connection between said roll and said drum, and including a disengageable clutch, a single means initially holding said printing drum against rotation and holding said clutch out of engagement, and a release for said holding means, said release being positioned for actuation by an approaching envelope on which a printed imprint is desired.

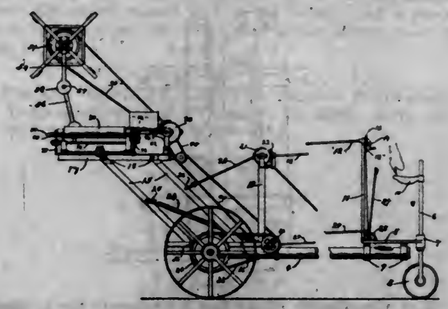


1,639,054. AUTOMOBILE PARKING MEANS. FLOYD PALMER, Jacksonville, Fla. Filed Dec. 21, 1926. Serial No. 156,203. 4 Claims. (Cl. 180—1.)



1. As a means for supporting a motor vehicle for sidewise movement independently of its usual wheels, a plurality of movable ground engaging devices and means for moving all of said devices simultaneously or any one of them alone.

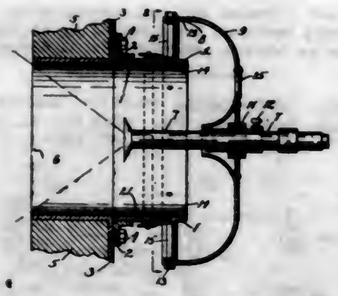
1,639,055. BROOMCORN HARVESTER. ROY G. PATTERSON, Hugoton, Kans., assignor of twenty-five per cent to M. R. Stewart, Wilburton, Kans., and twenty-four per cent to Floyd Beaty, Hutchinson, Kans. Filed Oct. 10, 1924. Serial No. 742,817. 1 Claim. (Cl. 56—55.)



In a broom corn harvester, a machine of the kind described, having parallel bars pivotally connected to the carrying means, a cable attached to said bars, a drum and a crank as actuating means to raise and lower said bars, a counter-balance spring attached to said bars in such a way that the tension thereof is inclined to position said bars vertically counter-balancing the load imposed on the outer ends thereof, a frame on the outer ends of said bars, a reel supported by a jointed arm, said arm attached to said frame, the joint in said arm functions as raising and lowering means for said reel, a sickle in operative position to said reel, a belt conveyor adjacent to said sickle, an oscillating mechanism near

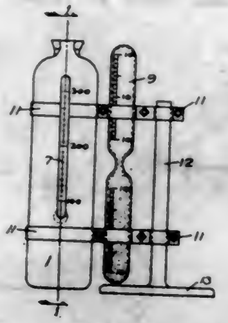
the rear side of said belt, said oscillator adapted to even the head ends of the broom corn, conveyor chains extending longitudinal with said belt and in working relation therewith, a shearing mechanism spaced from said conveyor functioning as means for shearing the butt ends of the broom corn heads to a uniform length, a binding mechanism in operative position to the outer end of said conveyor to bind the broom corn heads in bundles.

1,639,056. AIR REGISTER. ERNEST H. PEABODY, Pelham Manor, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,702. 3 Claims. (Cl. 158—1.5.)



1. In a fuel burning apparatus, an air register comprising inner and outer ring like members which overlap to form an extended annular air passage, bolts connecting said ring like members to hold them in spaced relation, a plurality of shutter members mounted to oscillate on said bolts, a ring like shutter operating member movably mounted on the inner ring member, and means for moving said operating member.

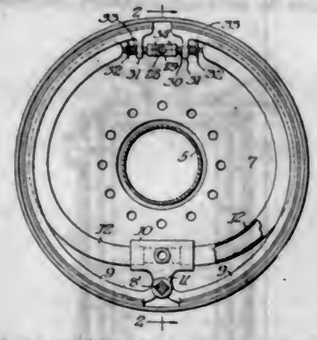
1,639,057. VISCOSIMETER. ERNEST H. PEABODY, Pelham Manor, N. Y., assignor to Peabody Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 23, 1922. Serial No. 602,779. 19 Claims. (Cl. 265—11.)



1. A viscosimeter comprising a receptacle for a liquid which may be filled in one position and emptied in another position, and means automatically brought into operation simultaneously with the change in position of the receptacle for measuring the time consumed by the liquid in flowing out of the receptacle.

1,639,058. HYDRAULIC BRAKE. PIERCE F. RICHARDS, Chicago, Ill., assignor of one-half to L. L. Valentine, Chicago, Ill. Filed June 18, 1926. Serial No. 116,807. 7 Claims. (Cl. 188—152.)

4. In a hydraulic brake, the combination of a rotatable brake drum, a fixed brake support, a braking element mounted on said support and movable into and out of friction contact with said drum, a tubular coupling mounted in said support, a pair of Bourdon tubes con-



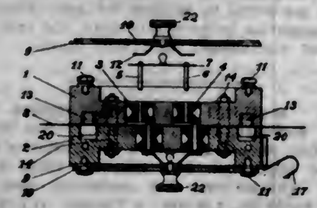
nected at one end into said coupling and closed at their other ends, and means for supplying fluid pressure to said coupling.

1,639,059. PRESERVING RECEPTACLE. MARTIN SALOUN, Milwaukee, Wis. Original application filed Feb. 12, 1921, Serial No. 444,363. Divided and this application filed Jan. 20, 1922. Serial No. 530,543. 1 Claim. (Cl. 215—46.)



A bottle, comprising a body portion having an elongated neck of reduced diameter exteriorly threaded, the upper part of the body extending upwardly to form an annular flange concentric with the neck portion to provide an annular recess in the upper part of the body portion, a gasket positioned in the recess and resting on the upper part of the body, a cup shaped cap threaded on said neck and engaging said gasket, the upper portion of said cap extending upwardly inwardly to form a transverse tool receiving slot of less length than the diameter of the cap, the annular recess being of sufficient depth to accommodate the gasket and a sealing compound placed therein, and a disk interposed between and engaged by the upper edge of the neck and the cap.

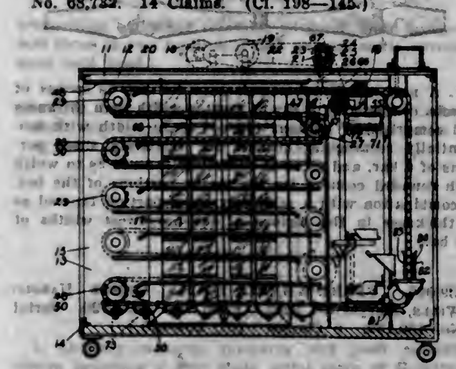
1,639,060. MAGNETIC TALKING, DICTATING, AND LIKE MACHINE. GUSTAV SCHEEL, Berlin, Germany, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Filed Dec. 4, 1922, Serial No. 604,870, and in Germany Dec. 10, 1921. 4 Claims. (Cl. 274—4.)



3. In a magnetic talking, dictating or like machine of the character described, the combination with two superposed magnet holders and with magnet coils fitted in said

holders, of magnet cores loosely arranged in said coils, detachable plates connected to the holders so as to cover the magnets, springs connected to said plates so as to bear against the cores and hold them in position, a carrier connected to the machine, and means for securing the magnet holders to said carrier so that both can be detached therefrom together and so that one holder can be removed without disturbing the other one, substantially as and for the purpose set forth.

1,639,061. TRAY-DISCHARGING MECHANISM. SIGMUND SCHUTT, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Original application filed Jan. 21, 1921, Serial No. 439,015, Patent No. 1,575,282, dated Mar. 2, 1926. Divided and this application filed Nov. 12, 1925. Serial No. 68,732. 14 Claims. (Cl. 198—145.)



1. A tray for use in a proofing device and comprising end members, cross bars joining the end members, a flexible bottom mounted upon the cross bars, and spaced partitions disposed intermediate the end members of the tray and supported between the cross bars and spanning the flexible material and forming a plurality of distinct compartments between the end members.

1,639,062. PISTON FOR INTERNAL-COMBUSTION ENGINES. ELMER A. SPERRY, Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del., a Corporation of Delaware. Filed July 20, 1921. Serial No. 486,181. 11 Claims. (Cl. 123—176.)



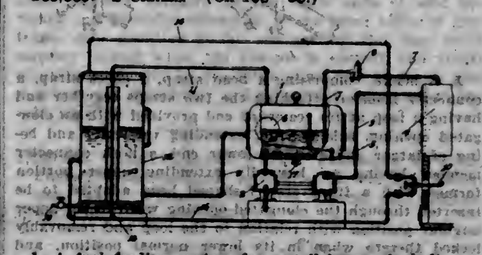
1. The combination with an internal combustion engine, of a hollow piston therefor having sealed therein oil or liquid having similar physical characteristics and means for agitating the circulation of the oil within the piston comprising a rotary propeller fan.

1,639,063. BUILDING BLOCK. LE ROY W. STEVENS, Chicago, Ill. Original application filed Nov. 29, 1920, Serial No. 427,145. Divided and this application filed Aug. 27, 1924. Serial No. 734,521. 2 Claims. (Cl. 72—38.)



1. A building block comprising a body portion having depressions formed in its top and bottom surfaces, integral lugs positioned in said depressions and having surfaces substantially flush with the top and bottom surfaces of the body portion, one of said lugs having a recess therein, and an integral dowel projecting from another of said lugs and disposed coaxially with said recess.

1,639,064. HYDROCARBON OIL BURNER. LACELLE C. STRAIT, Sacramento, Calif., assignor to The Strait Hydro Carbon Oil Burner Company, Sacramento, Calif., a Copartnership. Filed Feb. 4, 1927. Serial No. 165,359. 2 Claims. (Cl. 158—36.)



1. A fuel feeding system for an oil burner including a tank, means for feeding oil into the tank, a steam pipe leading into the tank to bear against and impart heat to the oil therein, another tank, oil passage means between the tanks, a steam pipe leading into the second named tank from the first named tank, a chamber in the second named tank into which the steam pipe therein discharges, said chamber being closed on the bottom and open on top above the oil level, an oil burner, an oil pipe leading from the second named tank to the burner, and a steam pipe leading from the top of said second named tank to the burner.

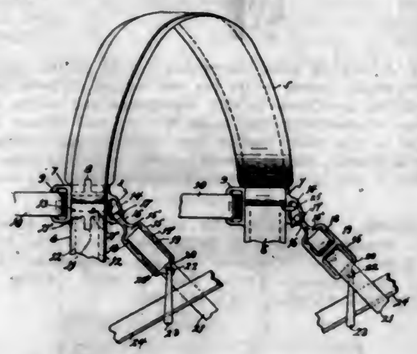
1,639,065. UNPLUGGABLE BIT. GEORGE F. THAGARD, Home Gardens, Calif. Filed Oct. 27, 1925. Serial No. 65,114. 9 Claims. (Cl. 255—61.)



1. A drill bit having a straight discharge passage therethrough for the discharge of circulation fluid, there being a cavity arranged in the bit communicating with said dis-

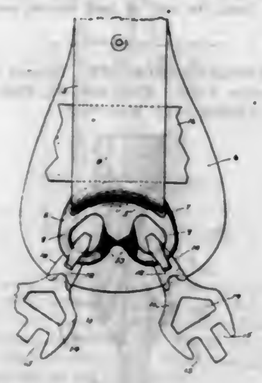
charge passage, and a closure receivable wholly within said cavity capable of moving into said discharge passage so as to prevent or retard upward flow therethrough.

1,639,066. THROAT-STRAP CONNECTER. JAMES M. WALSH, Milwaukee, Wis., assignor to James M. Walsh Co., Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 7, 1925. Serial No. 7,591. 4 Claims. (Cl. 54—6.)



1. A bridle, comprising a head strap, a cheek strap, a connecter member attaching the two straps together and having a loop at its rearward end provided with an elongated opening, said opening extending vertically and being of larger width at its lower end, a hook connecter member having an inwardly extending upper portion formed with a transverse T-shaped head adapted to be inserted through the elongated opening when in an upper angular position with relation to the loop and removably locked thereto when in its lower normal position, and means on said hook connecter for adjustably attaching a throat strap thereto.

1,639,067. MARTINGALE STRAP AND CONNECTER. JAMES M. WALSH, Milwaukee, Wis., assignor to James M. Walsh Co., Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 20, 1925. Serial No. 10,569. Renewed Nov. 25, 1925. 6 Claims. (Cl. 54—1.)



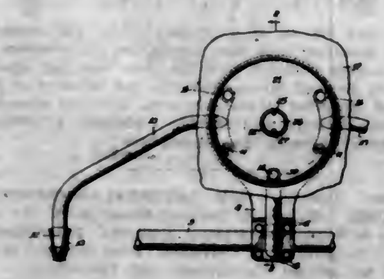
6. A martingale strap and connecter, comprising a martingale strap having a loop, a ring member having an elongated slot curved in a direction at right angles to the curvature of the loop and through which slot a portion of the loop extends and is bent to conform thereto, said ring member also having eyed portions of elongated form which extend divergingly from the slotted portion, the inner adjacent edges of the eyed portion being of less thickness than other portions to form entrances to the eyed portions, hook members having side entrance throats of less size than the thickness of the major parts of the eyed portions but of greater size than the entrance parts thereof to permit connecting the parts removably together, and a guard member connected to the strap loop and extending on one side of the martingale ring and portions of the hook members.

1,639,068. WHEEL-SPOKE BAR. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 19, 1925. Serial No. 3,278. 2 Claims. (Cl. 29—180.)



1. A new article of manufacture for use as spokes of wheels, composed of a bar of greater width than thickness and comprised of sections tapered as to width with substantially rectangular corners for relatively short portions of a bar, and sections oppositely tapered as to width with rounded corners for the major portions of the bar, in combination with a relatively short portion tapered as to thickness in the regions of the narrowest widths of the bar.

1,639,069. SPARE-WHEEL LOCK. CHILDS HAROLD WILLS, Marysville, Mich. Filed Dec. 12, 1920. Serial No. 430,152. 8 Claims. (Cl. 224—29.)



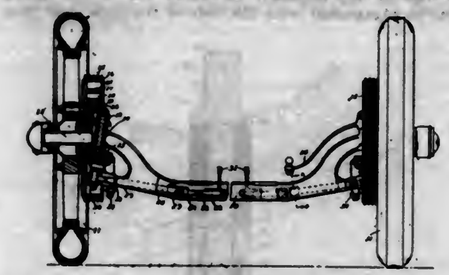
2. In combination, a support for a vehicle wheel, means for fastening the wheel to the support, a member adapted to cover the fastening means, means adapted to lock the cover in place, and means normally urging the cover from locked position.

1,639,070. REMOVAL OF COATINGS. WILLIAM H. ALLEN, Detroit, Mich. Filed Jan. 15, 1926. Serial No. 81,592. 3 Claims. (Cl. 87—5.)

2. The process of removing coatings of enamels, lacquers, and the like from articles which comprises heating said coated articles in a solution of caustic alkali containing poly-sulphides of the alkali being used.

1,639,071. BRAKE-OPERATING MECHANISM. PAUL BASTIEN, Cleveland, Ohio. Filed Aug. 18, 1922. Serial No. 582,682. 6 Claims. (Cl. 188—94.)

1. In a brake mechanism, a brake drum, a pair of complementary brake shoes pivoted within said drum at corresponding extremities, the other extremities of said shoes having bearing surfaces, a spreader positioned between and engaging said bearing surfaces, said spreader having a central aperture in one end thereof and a slot in one side thereof extending transversely to said aperture, a head extending into the aperture in said spreader providing a journal therefor, and a rotatable shaft connected to said head and extending through the slot in said spreader, said spreader being free to swivel with said



brake shoes and being rotatable with said head to spread said shoes in any position it may assume while swiveling upon said head.

1,639,072. MATERIAL-FASTENING DEVICE. CHARLES BETZ, St. Louis, Mo. Filed Feb. 11, 1926. Serial No. 87,566. 3 Claims. (Cl. 72—118.)



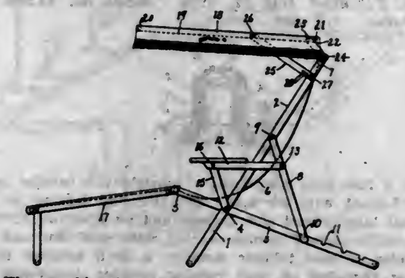
1. Abutting material fastening and joint concealing means including a first sheet metal strip of C-shape in section adapted for disposition flatwise under the abutting material with its flanges presented upwardly and the opening therebetween in approximate alignment with the joint between said abutting material, and a second sheet metal strip of substantially T-shape comprising a web, oppositely disposed flanges presented outwardly from an end of and at an angle to the web, and oppositely disposed clinchable extensions projecting from the opposite end of the web, the second strip being adapted for disposition with its web between said abutting material, its flanges flatwise engaging the upper marginal edge-portions of said abutting material, and its said extensions projecting through the opening and beneath the flanges of the first strip, the two strips being adapted under pressure for interlocking engagement with the extensions of the second strip clinched by the flanges of the first strip, and said abutting material clinched directly between the flanges of the first and second strips.

1,639,073. STIRRUP PAD. HENRY F. BERRAUM, Chicago, Ill. Filed Dec. 7, 1925. Serial No. 73,639. 1 Claim. (Cl. 54—47.)



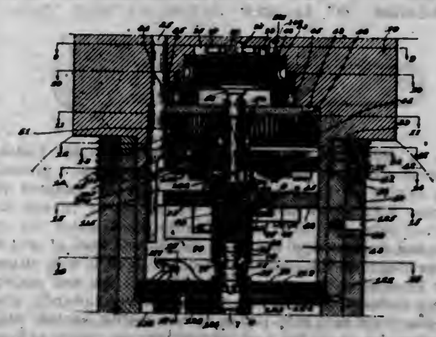
A stirrup pad of solid rubber including a flange projecting horizontally outwardly all around its body to repose upon the top side of the stirrup frame; an integral flange projecting downwardly from said pad all around its body at the base of the first mentioned flange to engage the edges of the stirrup frame; and two integral lugs projecting horizontally outwardly from opposite sides of the second mentioned flange to engage on the underside of the stirrup frame; the second mentioned flange and said lugs cooperating together to retain said pad in place and being bendable relatively to the body of said pad to provide for the ready application and removal of said pad, substantially as described.

1,639,074. CANOPY FOR CHAIRS AND THE LIKE. CHARLES A. BLACKWOOD, Kalamazoo, Mich. Filed Mar. 13, 1926. Serial No. 94,430. 2 Claims. (Cl. 135—5.)



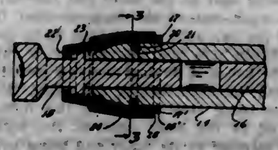
1. The combination with canopy supporting uprights, of a canopy, a supporting frame therefor comprising side members and front and rear cross members, supporting links pivotally mounted on the upper ends of said uprights and pivotally connected to the inner sides of said frame side members to be engaged by the rear cross member thereof when the canopy is erected, and struts pivotally connected to the inner sides of said frame side members and detachably and adjustably connected to the said uprights.

1,639,075. AERIAL-BOMB FUSE. FREDERICK W. BOLD, Chelsea, Mass., assignor to Charles H. Pearson, Brookline, Mass. Filed Dec. 8, 1923. Serial No. 678,221. 6 Claims. (Cl. 102—36.)



6. In a fuse, the combination of a firing pin, a timing train controlling the operation thereof, a starting mechanism associated with the timing train, means movable longitudinally of the axis of the fuse for controlling the starting of the timing train, means for locking the last said means in inoperative position, and means for releasing the locking means when the fuse is dropped.

1,639,076. PNEUMATIC HAMMER. EDWARD L. BURTON, Sandwich, Ill. Filed Nov. 16, 1923. Serial No. 675,145. 6 Claims. (Cl. 121—82.)



1. In a pneumatic hammer including a cylinder provided with an annular groove and a rivet-set with a laterally extending portion, a set holder comprising mem-

bers hinged together and having means engaging in said groove and means engaging beneath said lateral portion, and a locking sleeve embracing and threaded on the upper part of said holder to positively retain the rivet-set in said hammer.

1,639,077. FUSE PLUG. LEON J. CAHN, New York, N. Y. Filed July 17, 1925. Serial No. 44,208. 3 Claims. (Cl. 200—130.)



2. A fuse plug comprising a substantially tubular member formed with an inner shoulder and having an external longitudinal slot therein and an aperture through the walls thereof communicating with said slot and the interior of said tubular member, a shell adapted to be screw threaded on said tubular member comprising an end contact plate for closing one end of said tubular member, a plurality of mica discs disposed in superimposed relation within said tubular member and engaging said shoulder for closing the other end of said tubular member, and a fuse wire attached at one end to said contact plate disposed through said aperture intermediate its ends and guided in said longitudinal slot in adjacency with the wall of said shell, said mica discs being restrained from inward movement by frictional engagement with the inner walls of said tubular member and by contact with said fuse wire.

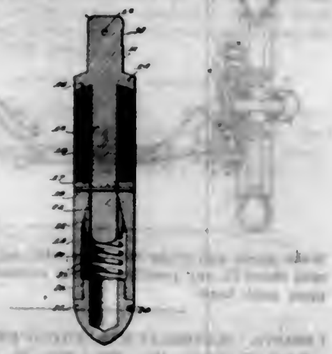
1,639,078. RATCHET WRENCH. JOHN E. COX, Jamestown, N. Y. Filed Mar. 14, 1925. Serial No. 15,663. 6 Claims. (Cl. 81—63.)



1. A reversible ratchet wrench comprising side plates, a wheel carried by and at one end of said plates, a pivoted dog having an apex and two ears, each ear adapted to engage said wheel and permit its movement in one direction only, the direction depending upon which ear of the dog engages the wheel, a spring, one end of which presses against the apex of said dog to hold it with either ear in engagement with said wheel, said dog and spring being enclosed between said plates, tongues inwardly projecting from said side plates, means resting against said tongues for receiving and supporting the other end of said spring, said means being held by said spring against said tongues and out of contact with said dogs.

1,639,079. PLUG FOR OIL WELLS. WILLIAM C. CUSHING, Bristow, Okla. Filed Mar. 6, 1926. Serial No. 92,907. 1 Claim. (Cl. 166—13.)

A plug for oil wells comprising a mandrel having a collar and a cylindrical bar projecting from the collar, the inner face of the collar being concaved, a body having a central bore adapted to receive the bar and provided with an annular seat at the inner end thereof, a pin connecting the inner end of the body member through the inner end of the bar, said pin adapted to be sheared when the bar is driven into the hollow body, a rubber gasket embracing the bar and having one end seated in engagement with the concaved face of the collar, the other end of the gasket being received within the annular seat at the inner end of the body member, the hollow portion of the body member at its inner end being provided with a conical face, slips engaging the bar and having inclined faces in engagement with the conical face of the hollow body, a plug screwed into the outer end of the body and provided with an inner shoulder, a spring engaged at one end by the shoulder, the other end of the spring being in engagement with the ends of the slips, said plug



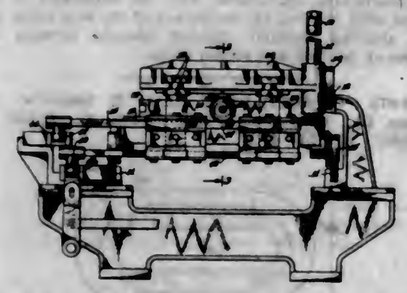
having a recess adapted to receive the free end of the bar of the mandrel when the mandrel is driven into the body member, with the bar moving into the recess in the plug whereby the rubber gasket is compressed and expanded laterally of the mandrel.

1,639,080. MANUFACTURE OF STENCIL SHEETS. ALEX BROOKING DAVIS, Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Original application filed Feb. 5, 1926, Serial No. 86,343. Divided and this application filed Aug. 5, 1926. Serial No. 127,486. 24 Claims. (Cl. 41—38.6.)

1. A type-impressible stencil sheet coating including cellulose acetate and benzoyl butyl tartrate.

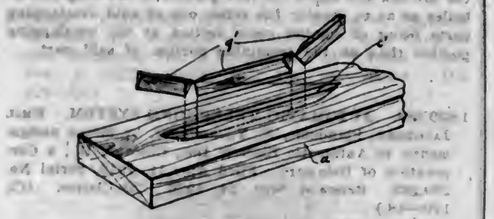
21. A type-impressible stencil sheet coating including an acid substituted hydroxy acid ester and a carbohydrate ester.

1,639,081. DIE-MOLDING APPARATUS FOR MAKING ARTICLES OF PLASTIC MATERIAL. ERNEST DE JOURNO, New York, N. Y., assignor, by mesne assignments, to De Jay Trading Corporation, a Corporation of New York. Filed June 21, 1924. Serial No. 721,390. 13 Claims. (Cl. 18—16.)



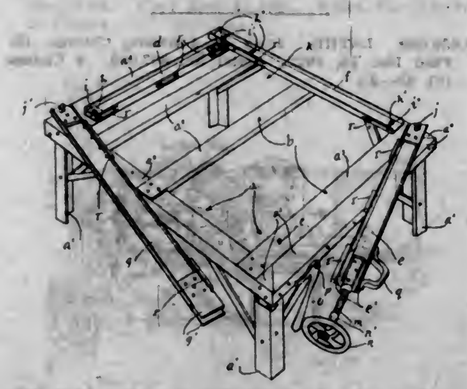
6. A die comprising in combination with a travelling frame or bolster, a die assembly carried thereby for molding articles and comprising a plurality of parts, means for tiltably supporting one of said parts containing a mold cavity upon said travelling bolster, means for tilting said part relatively to said bolster and for imparting a shock thereto to dislodge the article from the mold cavity, means for subsequently restoring the tilted die to normal position and for retaining the same in such position preparatory to receiving a new charge of material.

1,639,082. METHOD OF PATCHING. JOHN C. DE PENNING, Portland, Oreg., assignor to Central Door and Lumber Company, Portland, Oreg., a Corporation. Filed July 19, 1926. Serial No. 123,572. 11 Claims. (Cl. 144—309.)



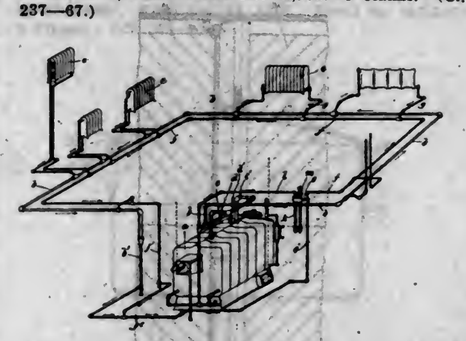
1. In the art of woodworking, the method of patching a board having a surface imperfection, consisting in cutting away such imperfection by forming an incision extending lengthwise of the grain of said board, and wedge-shaped in cross-section, and placing in the incision thus made a plug comprising a plurality of elongated glued pieces corresponding in grain structure and quality to the remainder of such surface, each of said pieces being correspondingly wedge-shaped in cross-section and of substantially greater width than the depth of such incision, one of said pieces being arranged with one end seated further into the incision than the other so that its longitudinal centerline makes a substantial angle with such surface, and then forcing such latter piece endwise toward the other pieces and towards the base of such incision, whereby all of such pieces are secured in said incision with their ends in abutment, dressing off the excess portion of such plug not fitted into the incision.

1,639,083. PANEL CLAMP. JOHN C. DE PENNING, Portland, Oreg., assignor to Central Door and Lumber Company, Portland, Oreg., a Corporation. Filed Nov. 4, 1926. Serial No. 146,147. 7 Claims. (Cl. 144—291.)



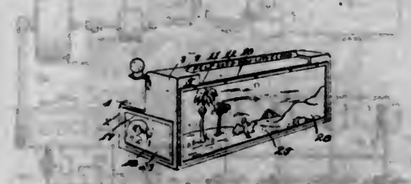
1. A device of the character described comprising a frame having a top portion constituting a bed, pairs of spaced gripping members carried by such frame and mounted at opposite sides of said bed and bounding the latter to define a mouth thereon, one member of each pair of gripping members being pivotally mounted at one end to the frame for relative movement over said bed, and means for drawing such free ends of such gripping members together and gripping an article held in such mouth.

1,639,084. HEATING SYSTEM. RALPH RAY EMERSON, Brooklyn, N. Y., assignor to Hoffman Specialty Company, Waterbury, Conn., a Corporation of Illinois. Filed Dec. 3, 1925. Serial No. 72,964. 5 Claims. (Cl. 237—67.)



5. In a steam heating system, a boiler, a steam line, a dry return line extending in approximate parallelism with said steam line and with a downward pitch, heating units connected to said steam and return lines, a steam crossover device connected to receive steam from the boiler, and a pipe in connection with the outlet side of said crossover device extending upwardly to connection with the high point of the dry return line and downwardly into connection with the lower part of the return line.

1,639,085. COMBINED ADVERTISING BENCH, WASTE PAPER RECEPTACLE, AND AUTOMAT STAND. MAURICE B. FOHEY, Los Angeles, Calif. Filed Aug. 9, 1926. Serial No. 128,118. 2 Claims. (Cl. 155—191.)

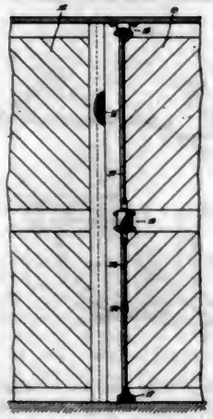


1. A bench structure comprising end walls having a lower part with an arm rest thereon and an upper part, a back wall, a seat and seat back extending between the end walls, a transverse partition extending between the seat back and the back wall, a top connecting the seat back and the ends adjacent the end walls and terminating short of the back wall at the center part, the back wall extending from the bottom of the bench to the top adjacent the end walls and terminating short of the top in the central part, thereby leaving an unobstructed opening in the top of the back and the back of the top wall to allow depositing of waste paper, the main body of the bench having a hollow space to receive such paper and the transverse partition forming a division in the hollow space, and a pivotally mounted apron extending downwardly from the front of said seat to allow removal of paper from the hollow space.

1,639,086. DOOR LOCK. JOSEPH P. FREDRICK, Chicago, Ill., assignor of one-half to August J. Lurie, Chicago, Ill. Filed July 31, 1925. Serial No. 47,231. 8 Claims. (Cl. 70—74.)

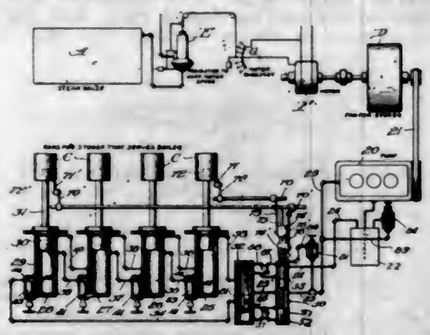
1. In locking mechanism of the class described, the combination of upper and lower locking devices for the upper and lower edges of the door, a housing secured to the rear side of said door, a bar reciprocably sup-

ported in said housing and extending above and below the same, rods connecting said bar to said locking devices, a roller pivoted on said bar, said bar having a



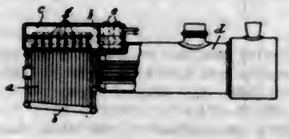
slot therein, a lock released rotary element extending through said slot, and eccentric means on said rotary element for engaging said roller.

1,639,087. DRIVE FOR STOKERS. DALLAS F. GRAHAME, Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 20, 1922. Serial No. 545,044. 18 Claims. (Cl. 110—109.)



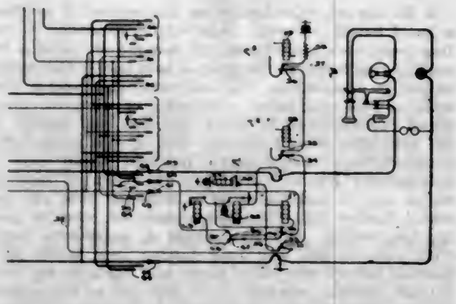
18. In an underfeed stoker drive, a plurality of rams, an operating cylinder associated with each ram, and fluid pressure connections dependently connecting said cylinders to cause the non-concurrent operation thereof.

1,639,088. BOILER FOR MOVABLE STEAM-POWER PLANTS. OTTO H. HARTMANN, Cassel-Wilhelmshohe, Germany, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed Mar. 23, 1925, Serial No. 17,607, and in Germany Apr. 2, 1924. 4 Claims. (Cl. 122—37.)



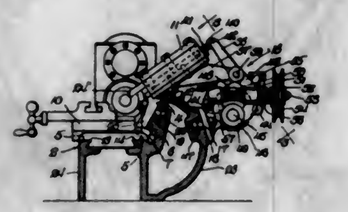
1. A boiler for movable steam plants comprising a high pressure portion including a fire box having a drum for water and steam, and a low pressure portion arranged as a longitudinal boiler out of communication with the high pressure portion, the said low pressure boiler communicating with the fire box so as to be directly heated by the combustion products thereof, said steam and water drum projecting forwardly beyond the front of the fire box and above the rear portion of the longitudinal boiler so as to overlap the same, one of said overlapping parts being of smaller cross section at the overlapping portion than on the remaining portion of said part.

1,639,089. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Plandome, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 11, 1919, Serial No. 289,283. Renewed Sept. 24, 1926. 20 Claims. (Cl. 179—18.)



1. In a telephone system, lines, an automatic switch for each line, trunk lines accessible to each of said switches, and means for operating a switch to automatically select one of said trunks when a call is extended for one of said lines and to automatically operate the first idle one of said switches to select one of said trunks when one of said lines is called to complete the connection from the calling subscriber to the line associated with the operated switch.

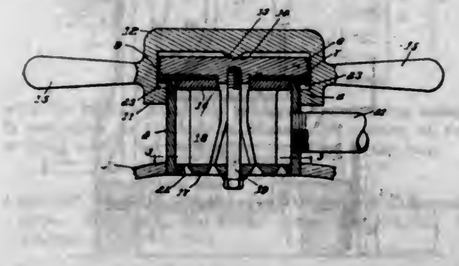
1,639,090. LATHE. JOHN E. JOHNSON, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,650. 4 Claims. (Cl. 82—2.)



1. In a lathe, the combination of a lower front lathe bed, an upper track located above the level of and rearward with respect to the lower front lathe bed and having an upwardly and rearwardly inclined guiding surface disposed at an oblique angle with respect to the top face of the lower front lathe bed, a head stock, a tail stock mounted in position to extend over the lower front lathe bed, a tool support movably mounted on said upper track and in sliding engagement with said inclined guiding surface, and means for actuating a tool mounted on said movable tool support, said tool-actuating means comprising a lever pivotally mounted on said tool support

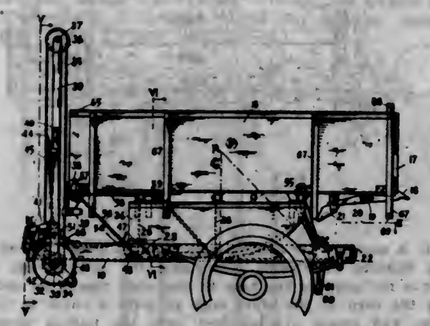
and having forked arms the ends of which are spaced apart, a cam rotatively mounted between and in operative engagement with said forked arms and adapted to reciprocate said lever, and means for operating said cam.

1,639,091. CLOSURE OPERATOR. OSCAR W. JOHNSON, Rockford, Ill., assignor to Ward-Love Pump Corporation, Rockford, Ill., a Corporation of Illinois. Filed Jan. 5, 1925. Serial No. 474. 9 Claims. (Cl. 220—39.)



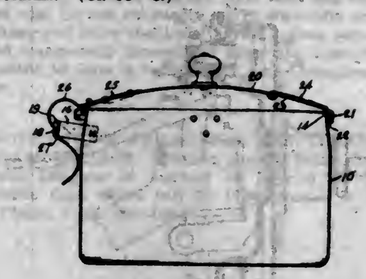
1. In combination, an externally threaded pipe, a closure cap adapted to seat thereon and equipped with guide means extending into the pipe to cooperate with the internal wall thereof, and a clamp threadedly engaged on said pipe and having means for engaging opposed sides of the closure cap, whereby to clamp the cap against its seat when the clamp is turned in one direction and to withdraw the cap from said seat when turned in the opposite direction, the cap being so closely associated with the clamp that said guide will serve to hold the clamp in operative relation to the pipe threads when entering the clamp onto the pipe.

1,639,092. DUMPING TRUCK. LANDRETH H. KING, Orange, N. J., assignor to King Mechanism and Engineering Company, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,781. 22 Claims. (Cl. 298—10.)



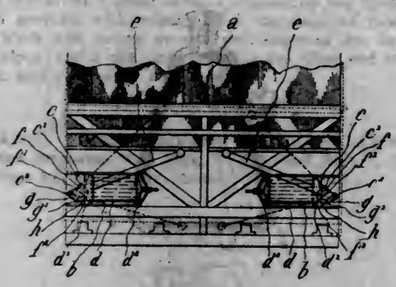
1. A dumping truck comprising a frame embodying trackways, a dumping body supported on dependent rockers formed to bear upon the trackways at points forward of the normal center of gravity of the rockers and body when loaded, securing means for maintaining the body in load-carrying position, brake means checking the movement of the body, and means successively releasing the securing means and the brake means.

1,639,093. COVER INDEXING DEVICE AND FASTENER FOR COOKING UTENSILS. RALPH N. KIRCHER, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a Corporation of Wisconsin. Filed Apr. 13, 1927. Serial No. 183,546. 3 Claims. (Cl. 53—8.)



1. In a cooking utensil, a vessel and a cover therefor, means for securing and indexing the cover in position upon the vessel, such means comprising a handle on the vessel having a notch in the bar thereof, and a spring catch attached to the cover and engaging the handle in the said notch.

1,639,094. COUNTERBALANCING MEANS FOR MOVABLE DEVICES. GEORGES KLEIN, Paris, France. Filed Dec. 28, 1923, Serial No. 683,263, and in Belgium Jan. 2, 1923. 4 Claims. (Cl. 16—200.)

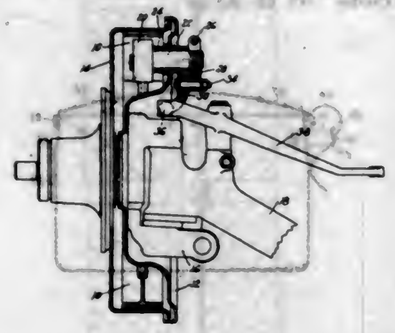


1. In a counterbalancing apparatus, spring means having a movable end, a pivoted bell-crank lever mounted on a spindle below which its arms extend and having one arm thereof connected to said movable end, the other arm of said lever being connected to a link, said link being connected to a pivoted lever mounted on a spindle located below said first-mentioned spindle, said last-mentioned lever being adapted to turn in unison with an arm which is adapted to contact with the body to be counterbalanced.

1,639,095. BRAKE-APPLYING MEANS. LUDGER ELIZE LA BAIE, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1925. Serial No. 50,715. 1 Claim. (Cl. 188—194.)

A control for a brake on a swiveled wheel comprising, in combination, a shaft having brake-applying means, two levers on the shaft, one fixed to the shaft and the other movable, the movable lever having a part movable in applying the brake from an idle position spaced from the

swiveling axis to an active position substantially in that axis, means to clamp the two levers together in any desired position of relative angular adjustment, and an



operating lever movable about a vertical axis between its ends and engaging at one end said part of the movable lever.

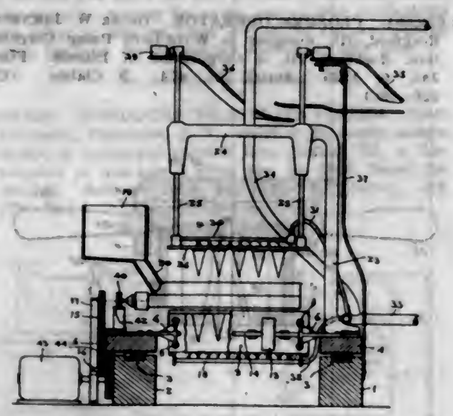
1,639,006. NURSING BOTTLE. GEORGE B. MCMULLEN, Philadelphia, Pa., assignor to Sanitary Nursing Bottle Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1924. Serial No. 712,351. 1 Claim. (Cl. 215—11.)



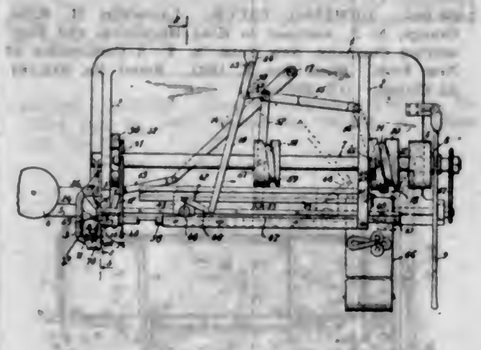
As a new article of manufacture, a glass nursing bottle comprising a body, a glass nipple having a flared outer end formed integrally with said bottle at its apex, a relatively small outlet opening extending centrally through said nipple, and a projection formed on the wall of said bottle intermediate its end and provided with a relatively large stopper receiving opening to permit filling and sterilization of the bottle substantially as described.

1,639,097. CONE-MAKING MACHINE. DAVID W. MITCHELL, Toronto, and GEORGE O. ROBINSON, Port Dover, Ontario, Canada. Filed May 23, 1921. Serial No. 471,963. 2 Claims. (Cl. 107—58.)

1. A cone making machine, comprising, a pair of concentric circular members rotatably mounted in a horizontal plane, brackets mounted on the circular members supporting paired parallel rods, mould blocks arranged in pairs slidably mounted on said rods, rotatable cam members arranged parallel with an outside of each of said mould blocks, means operatively connecting said rotatable cam members to operate in unison in opposite directions to operate to close said blocks and to move said blocks apart, means arranged in the path of movement of the rotatable members adapted to operate said cam means at predetermined intervals, cores for said moulds, vertical guides for said cores, means for raising the cores at predetermined intervals, means for feeding batter to the moulds while the cores are raised, and means for heating said pairs of moulds individually and continuously.



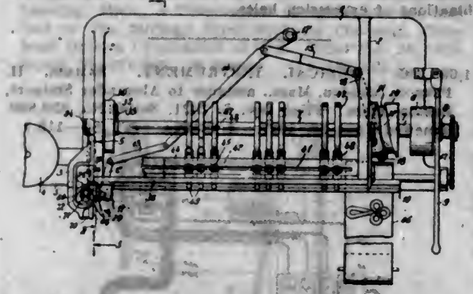
1,639,098. MACHINE FOR MAKING PYJAMA FROGS. LOUIS H. MORIN, New York, N. Y., assignor to A. S. Phillips, New York, N. Y. Filed Aug. 13, 1926. Serial No. 129,075. 22 Claims. (Cl. 223—52.)



1. A machine for making pyjama frogs from tape having slidable edge cords comprising the combination of means for gripping the tape at one edge, means for pulling the cord in the other edge to form a curve in the tape, and means synchronized with the pulling means for releasing the tape from the gripping means when the curve has been made.

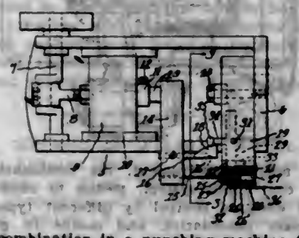
1,639,099. MACHINE FOR MAKING PYJAMA FROGS. LOUIS H. MORIN, New York, N. Y., assignor to A. S. Phillips, New York, N. Y. Filed Aug. 18, 1926. Serial No. 129,076. 5 Claims. (Cl. 223—52.)

1. A machine for making pyjama frogs from tape having slidable edge cords comprising the combination of means for gripping the tape at a plurality of points along one edge, means for pulling the cord in the other edge to form a loop in the tape, and means synchronized



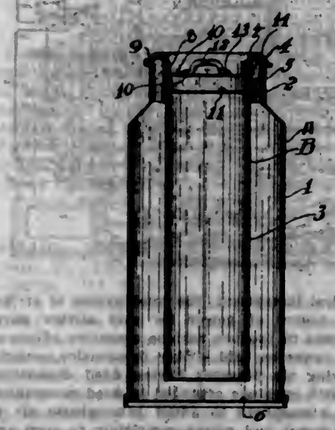
with the pulling means for releasing the gripping means in succession as the loop is formed, the spacing of the gripping means determining the curvature of the loop.

1,639,100. PUNCH PRESS. JOHN J. NEILAN, Cleveland, Ohio. Filed Apr. 21, 1926. Serial No. 103,508. 3 Claims. (Cl. 164—88.)



1. The combination in a punching machine for notched work, said machine having a reciprocating punch, a die, and a guide for the work, said guide having a slot extending cross-wise thereof, of a pivoted stop working in said slot and movable sidewise with respect to the guide to engage in a notch in the work, and means actuated by the movement of the punch to operate the stop.

1,639,101. MILK CAN. JOHN O'BRIEN and EDWIN H. KNUDSON, St. Paul, Minn. Filed Mar. 2, 1925. Serial No. 14,089. 1 Claim. (Cl. 220—9.)



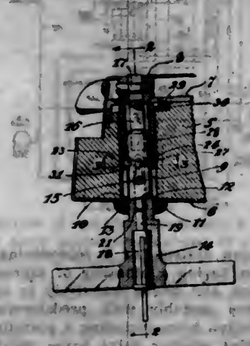
A vacuum insulated container comprising an outer shell having a reduced upper portion, said shell having its upper edge turned inwardly and downwardly the full length of the reduced portion in spaced relation thereto, a cylindrical shell telescopically inserted into the outer shell and having its upper edge turned outwardly and downwardly the full length of the reduced portion of the outer shell and in contact therewith, and a cover telescopically inserted into the inner shell and having its upper edge turned outwardly and downwardly to overlie the inner and outer shells and having a plate hermetically sealed transversely thereof and below the upper edges of the shells to form a hermetically sealed chamber in the cover.

1,639,102. JOINT FOR PISTON AND CONNECTING-ROD MOUNTINGS. VINCENT JOHN O'BRIEN, Smuggler, Colo., assignor of one-half to Edward H. Sackett, Arvada, Colo. Filed July 25, 1922. Serial No. 577,422. 2 Claims. (Cl. 74—108.)



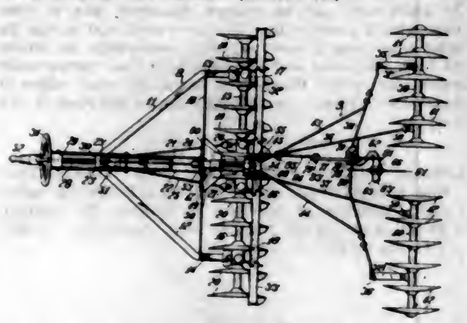
1. In combination, a piston having a wrist pin therein, a block mounted upon said pin and having end faces and part-cylindrical bearing faces, a connecting rod having a head provided with bearing faces engaging the faces of the block and having an end wall engaging one end of the block, and a cap plate engaging the other end of the block and secured to said head.

1,639,103. LOCKING MEANS FOR DOOR LATCHES. LEON OTTINGER, New York, N. Y. Filed Sept. 5, 1925. Serial No. 54,645. 14 Claims. (Cl. 70—91.)



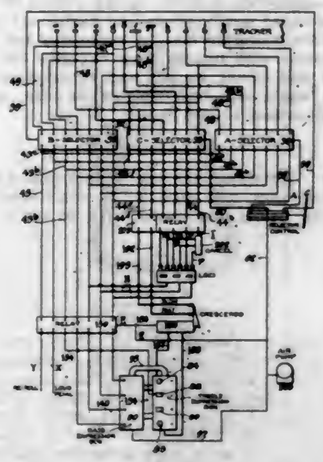
1. In combination with a door having an opening therethrough and a latch secured to the door at one end of said opening, an operating handle for said latch having a shank positioned through said opening, relatively fixed keeper means within said opening intermediate the ends thereof, a locking element to cooperate with the shank and the keeper means and lock the handle against rotation, and key actuated means having a part cooperating with said element to move the same to and from its locking position with respect to said keeper means and the handle shank.

1,639,104. DISK HARROW. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Nov. 6, 1926. Serial No. 146,585. 16 Claims. (Cl. 55—83.)



4. A tandem disk harrow comprising front and rear frames connected for relative lateral swinging, angularly adjustable gangs of disks connected with said frames respectively, stabilizing means connected with the rear frame and arranged to penetrate the ground to resist lateral swinging of the latter frame, and means operable to vary the depth of penetration of said stabilizing means.

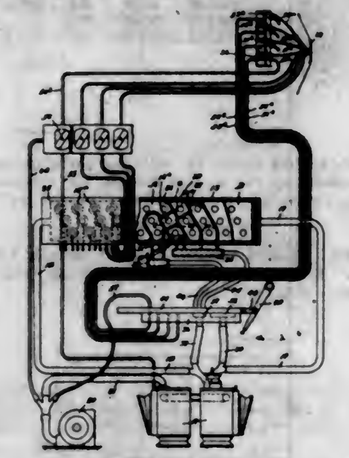
1,639,105. REPRODUCING PIANO. SAMUEL H. PERRON, Mendon, Mass., assignor to Alexander Steinert, Boston, Mass. Filed July 12, 1921. Serial No. 484,257. 13 Claims. (Cl. 84—33.)



5. An expression system for a reproducing piano including a tracker having a plurality of expression holes, expression devices, and means selectively to connect said expression devices operably with predetermined combinations of expression holes including a plurality of pneumatically-controlled selector valve boxes which are connected with all of said expression devices and with predetermined combinations of expression holes, and means to select a specific selector valve box for the control of said expression devices through its combination of expression holes comprising a valve associated with all of said selector valve boxes arranged to select an individual selector valve box for connection to a source of suction pressure and connect all other selector valve boxes to a source of higher pressure.

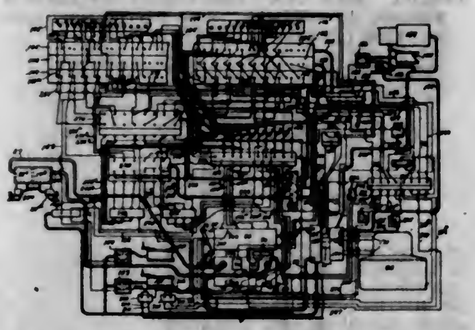
10. An expression system for a reproducing piano including a tracker having, in combination, a plurality of expression holes, expression devices, and manually-controlled means selectively to connect said expression devices operable with any one of several predetermined combinations of expression holes.

1,639,106. MUSICAL INSTRUMENT. SAMUEL H. PERRON, Mendon, Mass., assignor to Alexander Steinert, Boston, Mass. Filed Dec. 8, 1921, Serial No. 520,860. Renewed June 28, 1927. 4 Claims. (Cl. 84—115.)



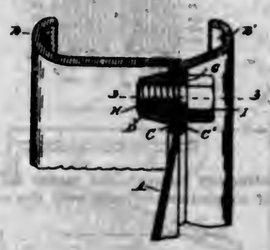
1. In a musical instrument, the combination of an expression controlling system, means to condition said system for effective control by different types of note sheets, striker pneumatics, and means to group said striker pneumatics in various predetermined combinations for effective control by different types of note sheets.

1,639,107. MUSICAL INSTRUMENT. SAMUEL H. PERRON, Mendon, Mass., assignor to Alexander Steinert, Boston, Mass. Filed June 3, 1922. Serial No. 565,527. 32 Claims. (Cl. 84—41.)



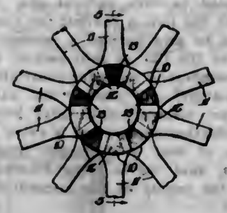
1. In a musical instrument, the combination of striker pneumatics, a source of power for said striker pneumatics, and means to produce various operative effects of said source of power on said striker pneumatics comprising means having air passages having fixed dimensions and provided with openings arranged in fixed communication with the atmosphere to admit atmospheric air to said source of power and means completely to open and also completely to close said passages, said means arranged to be held in one or the other of the aforesaid relations for the production of a particular operative effect.

1,639,108. RIM FASTENER FOR VEHICLE WHEELS. ALDEN L. PUTNAM, Detroit, Mich., assignor, by mesne assignments, of one-half to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan, and one-half to The Midland Steel Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 28, 1918. Serial No. 219,565. 8 Claims. (Cl. 152—21.)



2. In a wheel, the combination of a rim having an inwardly extending annular flange, a disc with its periphery contacting with said flange, said flange and disc having a plurality of registering openings, a plurality of plates secured to one of said members in line with said registering openings, said plates each having a threaded portion, and a plurality of fastening members extending through said registering openings and each having a screw thread connection with one of said plates.

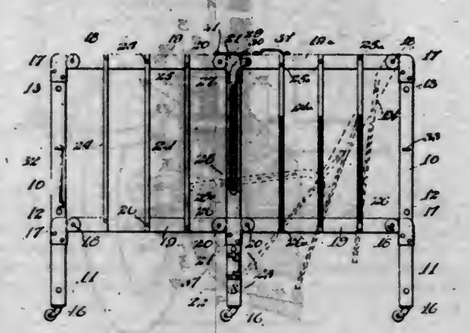
1,639,109. METHOD OF WELDING METAL SPOKES. ALDEN L. PUTNAM, Dearborn, Mich., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Oct. 2, 1926. Serial No. 139,142. 5 Claims. (Cl. 219—10.)



1. The method of producing a spider from separate metal spokes, which consists in forming the spokes with the heads thereof slightly offset from the shanks, assembling the spokes into a spider with the heads of alternate spokes offset in one direction and the heads of intervening spokes offset in the opposite direction, and welding the assembled spokes together in such a way as to leave the heads in different planes.

1,639,110. FOLDING CRIB. ISIDOR RAUTENBERG, Chicago, Ill. Filed Oct. 29, 1926. Serial No. 144,933. 8 Claims. (Cl. 5—99.)

1. In a folding crib having ends, sides and a bed supporting means held in substantially horizontal position thereby, said ends and sides being of substantial height above said bed supporting means to retain a child in said crib, the combination of end legs, pivot supporting brackets offset towards each other and carried by said legs substantially in line with the upper and lower edges of said crib sides, a center post for each crib side, second pivot supporting brackets carried by each of said center posts substantially in line with the upper and lower edges of the corresponding crib side, said second brackets having offset portions extending away from each other in the plane of the corresponding crib side, side bars of substantially half the length of the crib pivotally connected in horizontal position with said brackets to form the upper and lower edge members of the crib sides, vertical slats, pivotally connected at their ends in spaced relation to the upper and lower side bars to form slatted sides for the crib, whereby vertical movement of said center posts upwardly moves said side bars to substantially vertical position adjacent said center posts and



draws said legs together in vertical position adjacent the then vertical side bars, the pivotal connection of one of said upper side bars to the corresponding center post comprising a slotted bar pivotally connected at its upper end with said upper side bar and extending downwardly along said center post, and a clamping bolt extending through the slot in said slotted bar and through the lower portion of said center post, whereby said upper side bar may be lowered with the crib in its open condition to afford a clearance space through one side of the crib.

1,639,111. CLAMPING OR SEPARATING DEVICE. THEODORE A. ROTSCH, Whittier, Calif. Filed May 14, 1925. Serial No. 30,280. 3 Claims. (Cl. 29—84.)

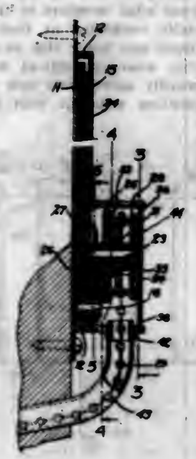


1. In a device of the class described, a U-shaped member, one or more projections on one of the legs of said member, an angular element equipped with a set of screw-threaded portions associated with the other leg of said member, said angular element when rotated being adapted to coact with said projections to form a clamping means or to separate two devices through the action of said threads.

1,639,112. SIGNALING MEANS. FERDINAND SATTERSTROM, Hastings, Minn. Filed Apr. 23, 1924. Serial No. 708,470. 5 Claims. (Cl. 116—41.)

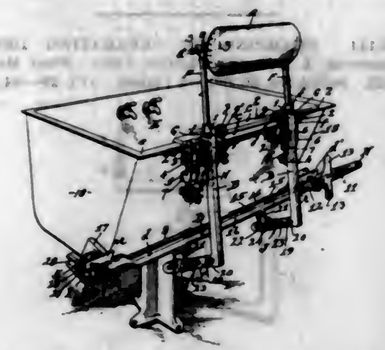
1. Signaling means for vehicles including a support adapted to be mounted upon a vehicle, a signal device pivotally mounted upon the support and adapted to assume an inoperative position and an operative signaling position, an element borne by the device to actuate the same, a rotatable operating member, mechanism connecting said

rotatable member and actuating element, the centers of said actuating element, rotatable member and mechanism being adapted to be disposed in alinement when the signal



device is in either of said two positions, and means to retain said centers in alinement against accidental release, said means being yieldable for normal operation.

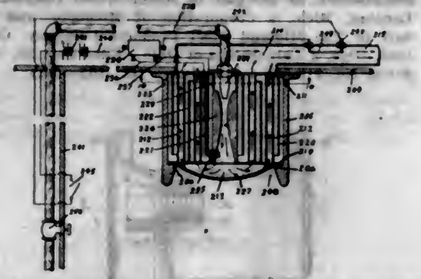
1,639,113. BODY REST FOR WASHTUBS. EDMOND H. SENGER, Los Angeles, Calif. Filed Dec. 13, 1924. Serial No. 755,706. 11 Claims. (Cl. 68—31.)



1. In combination with a basin, separate clamping devices attachable to an upper and a lower portion of said basin, a body rest pivotally and slidably mounted on the upper clamping device, and adjustable guide members attached at their upper ends to said body rest and connected at their lower ends with said lower clamping devices for supporting said body rest at selected angles and elevations.

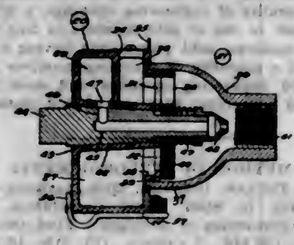
1,639,114. HEATING APPARATUS. HARRY F. SMITH, Dayton, Ohio, assignor to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 24, 1921. Serial No. 524,785. 8 Claims. (Cl. 126—92.)

1. Heating apparatus of the character described comprising a combustion chamber, an imperforate refractory element overlying said combustion chamber, means for burning a fuel within said combustion chamber to bring the products of combustion into contact with the inner



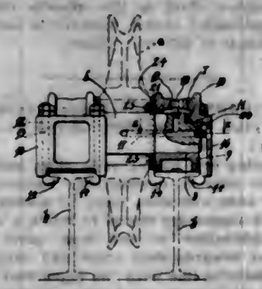
side of the refractory element, and means for preventing the passage of convection currents over the outer side of said element.

1,639,115. STOVE. HARRY F. SMITH, Dayton, Ohio, assignor to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed July 10, 1924. Serial No. 725,172. 14 Claims. (Cl. 158—105.)



1. In a stove of the character described, a burner element, constructed to burn natural gas, or the like, or producer gas, or the like, a conduit for supplying natural gas or the like to said burner, a conduit for supplying producer gas, or the like to said burner, an air passage opening to atmosphere, a valve for controlling communication of said natural gas conduit and said air passage with said burner element, said valve being constructed to effect an induction action, and a valve for controlling communication of said producer-gas conduit with said burner element, said valves being constructed to selectively control the supply of the respective gases to said burner element.

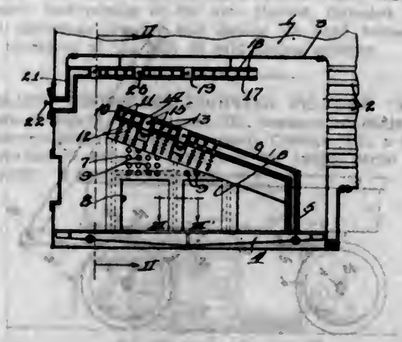
1,639,116. PULLEY SUPPORT FOR CROWN BLOCKS. EDWARD TIMBS, Los Angeles, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed May 26, 1925. Serial No. 33,038. 8 Claims. (Cl. 308—50.)



1. A pulley support for a crown block, comprising a shaft having recesses in its upper side at its opposite ends, bearings having concave seats for the shaft to rest

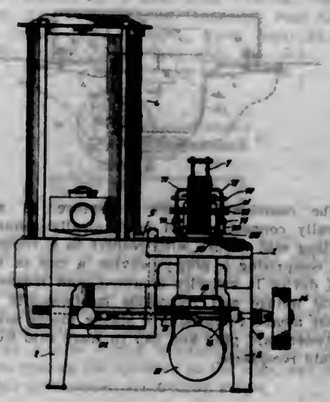
in, caps straddling the bearings provided with internal shoulders engaging in the recesses, and means passing through the caps outside of the bearings to secure the caps to beams.

1,639,117. FIRE ARCH. OLOF A. TOFTSTEN, Chicago, Ill. Filed Sept. 30, 1925. Serial No. 59,552. 4 Claims. (Cl. 110—76.)



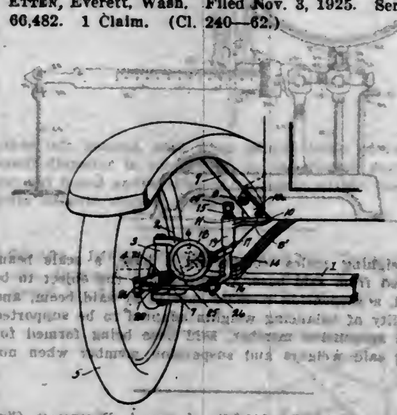
1. The combination with a boiler fire box, of a hollow fire arch mounted therein having air supply apertures and flame escape passageways therein, a fire baffle wall mounted in said fire box above the fire arch, with said baffle wall having air supply apertures and flame escape passageways therein, and means at one end of said fire baffle wall for controlling the passage of air therein.

1,639,118. CAN-END-LINING MACHINE. NELSON TROYER and MERTON L. DODGE, Seattle, Wash. Filed Sept. 24, 1925. Serial No. 58,429. 15 Claims. (Cl. 113—80.)



1. In a can-end lining machine, a mounting head, a plurality of sets of rotatable pads carried by the head between which can ends may be held and rotated, a nozzle for each set of pads from which a sealing compound may be discharged onto the can ends and a support for the several nozzles and adjustably fixed to the head and whereby the several nozzles may be adjusted toward or from the axes of the pads for the lining of can ends of different diameters.

1,639,119. DIRIGIBLE HEADLIGHT. WILLIAM V. VAN ETTEN, Everett, Wash. Filed Nov. 3, 1925. Serial No. 66,482. 1 Claim. (Cl. 240—62.)



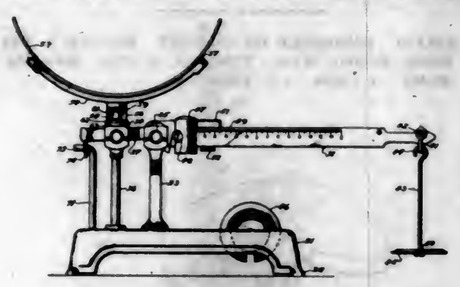
In a vehicle of the class described, a dirigible spotlight attachment comprising a bracket having a vertically disposed base plate provided with apertures for receiving bolts whereby it may be secured to the vehicle frame and having a horizontally turned and laterally directed portion at its lower edge provided with a vertical bearing sleeve, a shaft rotatably mounted in the sleeve and extending from the upper and lower ends thereof and provided with a shoulder engaging the lower end of the sleeve and terminating in a forwardly turned portion at its lower end, a spotlight mounting arm extending from the shaft adjacent the lower end of the sleeve, a coiled spring mounted about the upper end of the shaft and bearing against the upper end of the sleeve, and a nut on the shaft for tensioning the spring to hold the shoulder tightly against the lower end of the sleeve, an arm fixed to the steering knuckle of the vehicle and a link connecting this arm with the arm at the lower end of the shaft, by means of which the shaft will be rotated in accordance with movement of the steering knuckle.

1,639,120. WEIGHING SCALE. MATHIAS J. WEBER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1923. Serial No. 670,105. 10 Claims. (Cl. 265—49.)



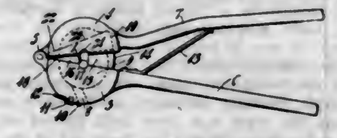
1. A scale beam, comprising a die-cast body having weighing indicia thereon, a knife edge positioned in said body prior to casting and having flattened tapered sides permitting temporary removal of the knife edge from the casting to permit machining, plating and the like and re-insertion thereof effecting tight frictional engagement.

1,639,121. INFANT SCALE. MATHIAS J. WEBER, Chicago, Ill., assignor to Continental Scale Works, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1924. Serial No. 720,229. 13 Claims. (Cl. 265—27.)



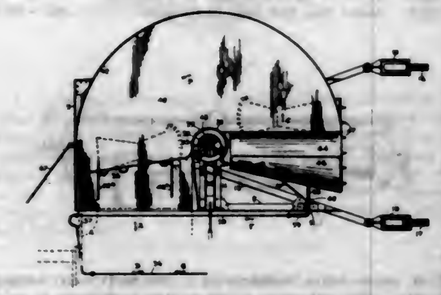
1. Weighing scales, comprising a base, a scale beam supported from said base, a support for the object to be weighed, a suspension member carried by said beam, and a plurality of balancing weights adapted to be supported by said suspension member, said base being formed for housing said weights and suspension member when not in use.

1,639,122. SCRAPER MOLD. LOUIS J. WHITMAN, Cincinnati, Ohio. Filed June 5, 1926. Serial No. 113,958. 7 Claims. (Cl. 107—47.)



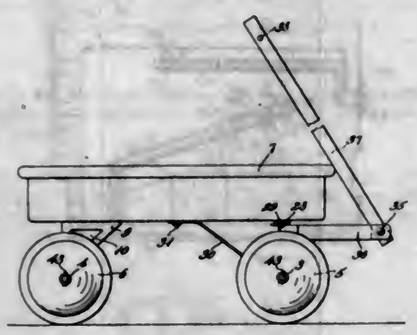
3. A scraper-mold comprising a plurality of mold sections, means along the mutually facing surfaces of said sections to form an enclosed mold cavity between said sections upon incomplete approach of said sections to each other, said means permitting complete approach of said sections to each other and said means and said surfaces having, upon said complete approach, an opening to admit a confection handle to said cavity, said mold having an inlet for confection material, and a scraper on said mold, discharging into said inlet.

1,639,123. STOOKING MACHINE. JAMES FARRIS WILLOWS, Dorenlee, Alberta, Canada. Filed Nov. 11, 1924. Serial No. 749,137. 4 Claims. (Cl. 56—417.)



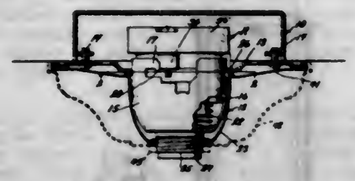
1. In a stooking machine adapted to be attached to a binder, having an inclined platform on which sheaves of grain are received; a rake for carrying said sheaves over said platform and turning the same to their end-for-end position; a converter into which said sheaves are discharged from said platform and means for intermittently actuating said converter from a substantially horizontal position to a substantially vertical discharge position, portions of said converter being composed of hinged doors and means for swinging said doors open when said converter is in its discharged position.

1,639,124. WAGON. ALFRED A. BECKER, Lakewood, Ohio, assignor to The George H. Bowman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 10, 1923. Serial No. 679,645. 5 Claims. (Cl. 280—87.5.)



1. An axle bracket structure for toy wagons, comprising a unitary sheet metal member having the end portions thereof bent at substantially ninety degrees to the intermediate portion to provide re-enforcing side flanges, said intermediate portion being provided with spaced axle receiving portions, thereby providing a strong and ornamental structure.

1,639,125. ELECTRICAL CONNECTER DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1921. Serial No. 479,737. 5 Claims. (Cl. 173—330.)

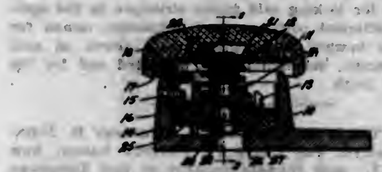


1. The combination with a fixture, of means for electrically connecting and mechanically connecting and supporting said fixture with respect to a receptacle, said means comprising a plug-in device, a cup in which said plug-in device is swivelly mounted, and means for holding said fixture and receptacle mechanically connected, said last means comprising a spring inside said cup acting between said plug and cap to force said fixture away from said receptacle.

1,639,126. SWITCH CONSTRUCTION. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1924. Serial No. 718,042. 7 Claims. (Cl. 200—159.)

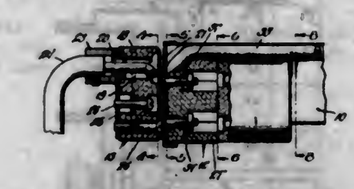
1. A tipping switch button, comprising an annular casing member, an insulating base in said casing, a central post mounted on said base, an operating button tiltably

mounted on said central post, a metal anchorage member secured to said insulating base, and a screw extending through the side of the said annular casing



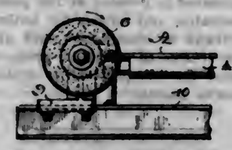
member transversely of the axis thereof, threaded into said anchorage member and having its head accessible for operation at the side of said casing member.

1,639,127. SHOW-CASE LIGHTING FIXTURE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1925. Serial No. 74,702. 3 Claims. (Cl. 240—6.)



1. A show case lighting fixture comprising an elongated open-sided casing for extending alongside of the show case, two wiring base and contact devices, one secured in each end of each casing, conductor wires extending between and secured to said wiring bases, each wiring base having contacts thereon for quick detachable engagement with the contacts on a lamp receptacle member, a wiring base for the supply wires mounted outside said casing and in alignment therewith, and means for electrically connecting the wiring terminals on the outside wiring base with the wiring terminals on one of the inside wiring bases.

1,639,128. PROCESS OF MANUFACTURING WALL BOARD. SIDNEY C. CLARK, Port Clinton, Ohio, assignor to American Gypsum Company, Port Clinton, Ohio, a Corporation of Ohio. Filed Sept. 23, 1925. Serial No. 57,997. 5 Claims. (Cl. 154—2.)



5. The process of finishing plaster board, initially manufactured with a covered edge formed during the process of manufacture by folding the margins of the covering sheets over the edge of the plaster body and thence into said body between said cover sheets, consisting of advancing the boards lengthwise between rotative grinding wheels acting simultaneously on opposite side edges to remove the covering at the edge, and leaving the imbedded portions as reinforcing strips.

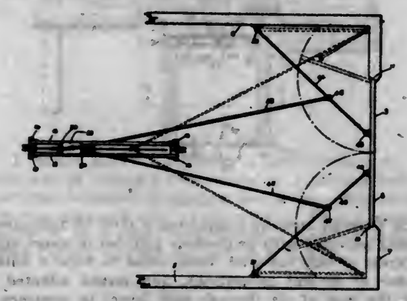
1,639,129. SIGNBOARD. GEORGE BOWEN CLEVELAND, Mobile, Ala. Filed July 8, 1926. Serial No. 121,205. 2 Claims. (Cl. 40—39.)

1. In a device for displaying advertising matter, a bill board consisting of a sheet of material having opposite surfaces for display of advertising matter and having an opening therethrough for a shaft, a shaft extending through the opening and provided with means to restrain the shaft from longitudinal movement in said opening, and wind wheels fixed on the ends of said shaft, one of said wind wheels being right handed and the



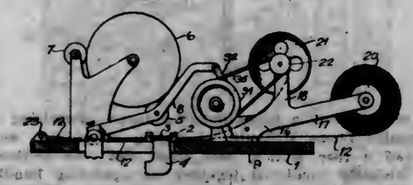
other left handed, said wind wheels being of relatively small diameter in comparison to the display surfaces of the bill board and positioned to rotate within the boundaries of said display surfaces.

1,639,130. DOOR-OPERATING MEANS. THOMAS FLEMING, Ottawa, Ontario, Canada. Filed Nov. 11, 1924. Serial No. 749,168. 3 Claims. (Cl. 268—63.)



1. The combination with a movable closure, of a guide-way; a reciprocatable crosshead in said guide-way; means connecting said movable closure and crosshead, an electric motor-driven drum; a cable engaged thereby extending longitudinally of said guide-way over the ends thereof, and connected to said crosshead at opposite ends; a switch for controlling said motor; a switch operating member extending longitudinally of said guide-way engaging said switch; and means for engaging said crosshead and switch operating member at the extent of predetermined reciprocation of said crosshead to reverse said switch.

1,639,131. LISTING ATTACHMENT FOR ADDRESSING MACHINES. PAUL A. GOLLNICK, Chicago, Ill., assignor to Spiegel, May, Stern Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1926. Serial No. 83,070. 17 Claims. (Cl. 101—48.)



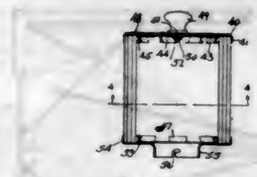
1. A device of the class described comprising a guideway for stencils; means for feeding a record strip in a path transverse to said guideway and in close proximity to the path of the stencils, and mechanism for guiding the strip to cause a portion thereof to double back upon itself at a point adjacent said guideway whereby the doubled-over portions travel in opposite directions past said guideway with one of said portions located in position to receive an impression from the stencil and to protect the other from the impression.

1,639,132. AIR FILTER. OSCAR V. GREENE, Cleveland, Ohio. Filed Apr. 3, 1925. Serial No. 20,400. 16 Claims. (Cl. 183—73.)



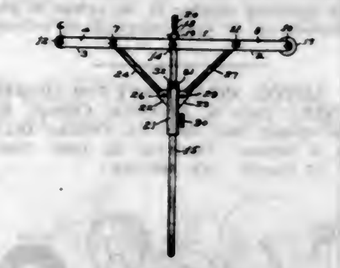
1. A filter element consisting of a sheet of screen rolled to form a hollow cylinder and provided with a cover at one end, said filtering cylinder increasing in density from such cover end to the other.

1,639,133. FILTER ELEMENT. OSCAR V. GREENE, Cleveland, Ohio. Filed Jan. 25, 1926. Serial No. 83,448. 16 Claims. (Cl. 183—73.)



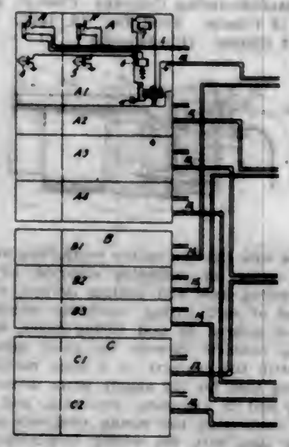
1. A filtering element comprising a strip of foraminous material provided with projections adapted to space apart the layers of said material when rolled to form a hollow cylinder of several revolutions, and means adapted to direct the flow of air through said layers in sequence.

1,639,134. PAPER-HANGING DEVICE. WILLIAM H. HALE, Pittsburgh, Pa., assignor of one-fourth to Claude G. Britton and one-fourth to Sheridan Randall, Pittsburgh, Pa. Filed Apr. 26, 1926. Serial No. 104,618. 1 Claim. (Cl. 216—7.)



In combination, a paper hanging device comprising a rectangular frame structure consisting of a front section and a rear section, said front and rear sections being hingedly connected together, an operating handle having its upper end pivotally connected with said frame structure, a roller rotatably supported in the outer end of said rear section, an upwardly disposed detachably connected brush attached to the upper end of said operating lever and extending above said frame structure a sleeve slidably mounted on said operating handle, a pair of brace rods pivotally connected with said sleeve and with respective front and rear frame sections, said sleeve shiftable upwardly to dispose said front and rear frame sections in horizontal alignment relatively to each other to position said front and rear sections in the operative position, said sleeve shiftable downwardly to dispose said front and rear frame sections in the collapsed position, means for locking said frame structure in the operative and collapsed positions, and adjustable means for limiting the upward movement of said sleeve on said operating handle, substantially as described and for the purpose set forth.

1,639,135. TELEPHONE SYSTEM. HERBERT B. JOHNSON, Brooklyn, and LLOYD LA FAYETTE EAGON, New York, N. Y.; said Johnson assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York, and said Eagon assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 9, 1926. Serial No. 128,170. 6 Claims. (Cl. 179—48.)



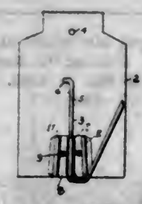
1. An indicating system, comprising a plurality of operators' positions, a plurality of groups of trunks each group terminating in a different operator's position, means for rendering a group of trunks non-available during an operator's absence from her position, means for indicating the idle condition of a trunk in one of said groups effective when an operator is present at the position in which said group terminates, and means for indicating the idle condition of a trunk in another of said groups effective when all of the trunks in the first group are busy and when the operator for the position in which said second group terminates is absent.

1,639,136. CURLING IRON. ADOLF P. KIETZ, Cleveland Heights, Ohio. Filed May 19, 1926. Serial No. 110,092. 4 Claims. (Cl. 132—41.)



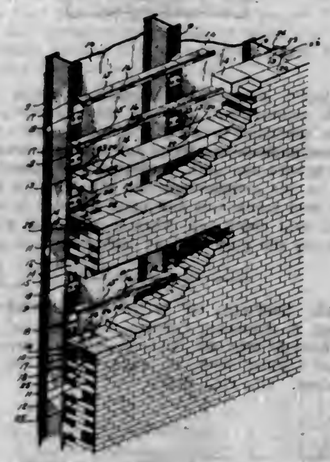
1. A hair curler of the class described having a rigid body portion and having a pair of oppositely disposed trunnions adjacent one end thereof, a retaining clip pivotally secured to said trunnions, the opposite ends of said curler being shaped to provide a tool engaging portion whereby the same may be grasped by a suitable tool for holding or turning the same.

1,639,137. BILL HOOK. CONRAD J. KORTZ, Cleveland, Ohio. Filed Sept. 27, 1926. Serial No. 137,975. 5 Claims. (Cl. 129—21.)



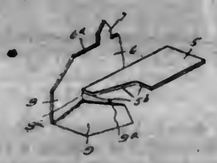
1. A bill hook comprising a card, a plate having a wedge-shaped channel and indentations in the side walls of said channel, and a hook member having a shank with a bent extremity adapted to be wedged within said channel and held in locked engagement with said indentations.

1,639,138. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn. Filed Oct. 30, 1925. Serial No. 65,767. 10 Claims. (Cl. 72—101.)



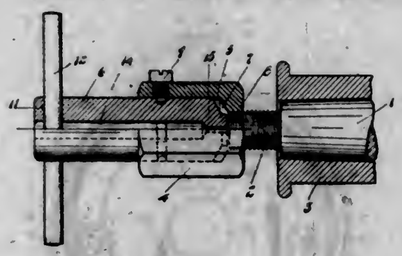
1. In a wall structure, metallic buckstays, having anchor brackets, plates connecting and interlocked with the brackets, sill blocks supported upon said plates in horizontal vertically spaced rows, and belts of brick-work between the horizontal rows of sill blocks.

1,639,139. CLAMPING DEVICE. JAMES F. LOUCKS, Cleveland, Ohio, assignor to Holorib, Inc., Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 18, 1926. Serial No. 142,320. 6 Claims. (Cl. 189—35.)



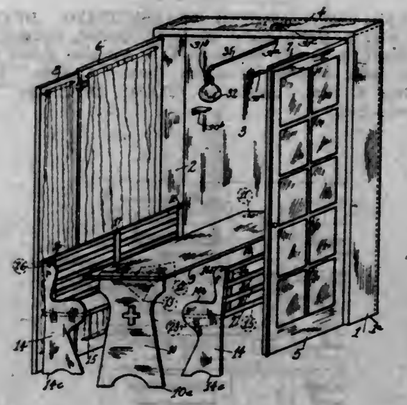
1. As an article of manufacture, a clamp adapted to fasten a metal sheet to a structural beam, said clamp comprising a base adapted to rest on top of a flange of the said beam, a vertical flange extending from said base and having a top edge adapted to engage the bottom of such sheet and provided with a tongue adapted to be passed through said sheet thereby to secure the same against such edge, the said vertical flange having a vertical extension located beyond one end of the base, said extension being provided with a projection extending beneath and spaced from the adjacent portion of the base thereby to engage the bottom of the beam flange while the base engages the top of the said beam flange.

1,639,140. WHEEL PULLER. FRED AUGUST LUTHY, Jackson, Mich. Filed May 2, 1925. Serial No. 27,457. 5 Claims. (Cl. 29—85.)



1. A wheel puller comprising a shell having an enlarged bore or chamber terminating in a tapered bottom, a restricted threaded opening in said bottom and adapted to fit the threaded end of an axle, a driving member mounted in said socket and having a reduced shoulder adapted to butt against the end of said axle.

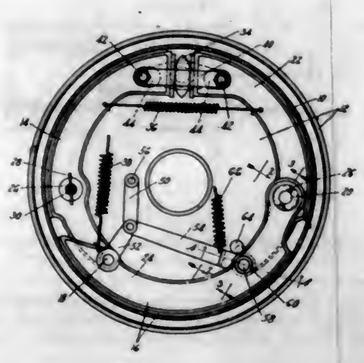
1,639,141. DINING CABINET. EDWARD T. E. MANGELS and ERWIN G. MANGELS, Davenport, Iowa. Filed Apr. 18, 1925. Serial No. 24,021. 1 Claim. (Cl. 155—83.)



In a cabinet of the class described, a bench member having a seat hingedly attached to the inside of the back of said cabinet in such manner that said seat may be folded upwardly against said cabinet back, a seat back hingedly secured to one of the edges of said seat in such manner as to forwardly fold upon said seat, an end seat brace, hingedly secured near the middle of its linear dimension to an end of said seat in such manner as to

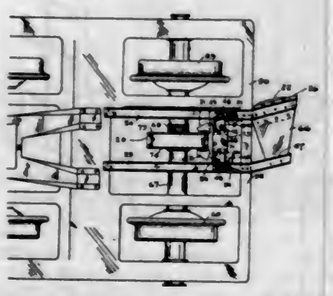
fold outwardly against the bottom of said seat when said seat is raised; hasp fastening means secured upon the outer end of said seat back, an upper end of said seat brace capable of co-operatively securing the said seat back to the said seat brace, other hasp fastening means secured upon said cabinet back and top end of said seat brace capable of co-operatively securing said bench to said cabinet back, said seat end having portions of its front edge and its bottom end cut away to facilitate its use, all for the purposes specified.

1,639,142. BRAKE. MONTGOMERY W. MCCONKEY, Wilmette, Ill., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1926. Serial No. 86,708. 25 Claims. (Cl. 188—78.)



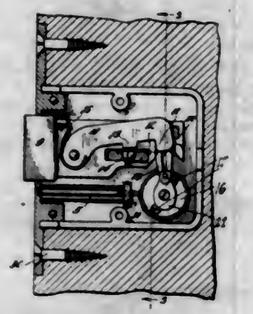
1. A brake comprising, in combination, a plurality of at least three shoes arranged end to end, and applying means connecting the same end of the intermediate shoe to the two shoes at its opposite ends.

1,639,143. POWER-TRANSMITTING DEVICE. CHARLES MCPHERSON, Montreal, Quebec, Canada, assignor, by mesne assignments, to Friction Power Corporation Limited, Montreal, Quebec, Canada. Filed July 9, 1926. Serial No. 121,451. 16 Claims. (Cl. 105—118.)



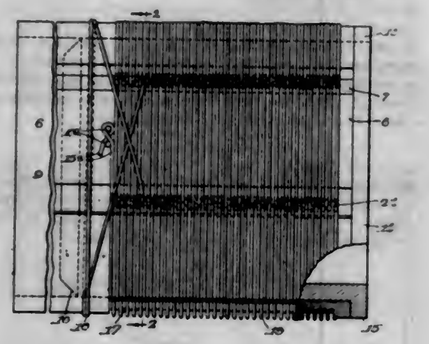
1. In a power transmitting device, a rotatable shaft member, a disk mounted on said shaft, a pair of friction rollers spring held to either side of said disk and having extending shafts, and a bearing member for said rollers having sliding and oscillatory movements, independent of the movements of said shaft member and accounting therefor in the engagement of the friction rollers with said disk.

1,639,144. LOCKING MECHANISM. JAMES A. MUZZIO, Cleveland, Ohio, assignor to Rosa S. Muzzio, Cleveland, Ohio. Filed Jan. 2, 1923. Serial No. 610,202. 4 Claims. (Cl. 70—46.)



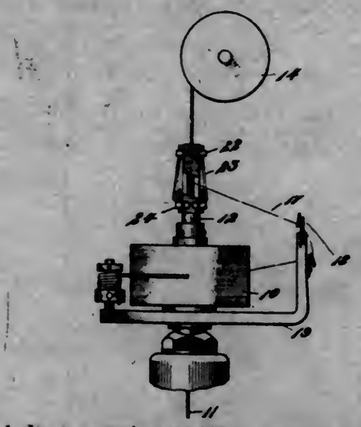
1. Cylinder locking mechanism, comprising relatively rotatable concentrically disposed cylinder and plug members, an operating crank arm rotatable with the plug and spaced endwise therefrom and having a crank pin extending toward the plug, a slotted bolt operating lever pivoted on the cylinder member and lying in the space between said crank arm and plug, the slot of said lever receiving said crank pin, whereby said arm may be removed from the plug without disturbing said lever.

1,639,145. METHOD OF WINDING TRANSFORMERS. GEORGE F. NIEMANN, Chicago, Ill., assignor to Benjamin Electric Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1926. Serial No. 137,672. 5 Claims. (C. 175—359.)



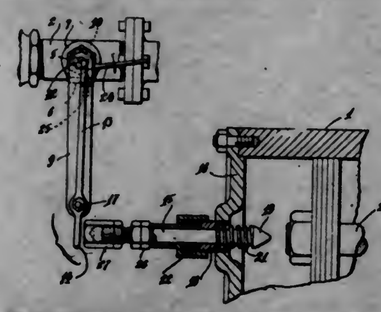
1. The herein described method of forming transformers comprising the steps of first winding a primary coil consisting of the required number of turns upon a forming tool, then winding a portion of wire at a point remote from the primary coil, and then winding the secondary coil with its inner end contiguous to the outer end of the primary coil.

1,639,146. WRAPPING WIRE. WALTER E. PETTENGILL, East Providence, R. I. Filed July 27, 1926. Serial No. 125,296. 10 Claims. (Cl. 117—42.)



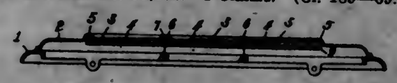
1. In a wrapping machine, a wrapping head comprising a body through which the wire passes, a presser member, and spring means bodily carrying said member and yieldingly moving it into engagement with said wire after it has been covered.

1,639,147. AUTOMATIC SHUT-OFF FOR PUMPS. ARTHUR ALBERT PHILLIPS, Anaheim, and EDWARD CONNELLY, Fullerton, Calif. Filed Nov. 8, 1926. Serial No. 146,874. 8 Claims. (Cl. 103—13.)



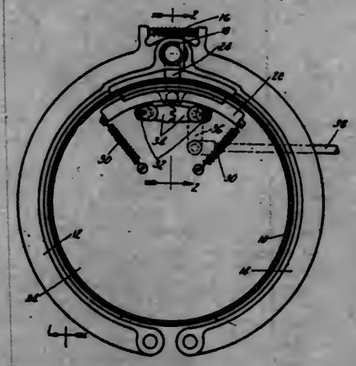
1. In an automatic shut-off for a pump having a cylinder and a reciprocating piston, the combination of a member projecting into the interior of the cylinder and lying beyond the normal path of movement of the piston when the pump is in normal operation, a controlling device for controlling the flow of operating fluid to the pump to drive the piston, and means actuated by said member to actuate the controlling device to shut off flow of the operating fluid when said member is struck by the piston.

1,639,148. WINDOW. WILLIAM D. REDSUP, Huntington, Ind., assignor to The Majestic Company, Huntington, Ind., a Corporation of Indiana. Filed Mar. 29, 1926. Serial No. 98,172. 4 Claims. (Cl. 189—69.)



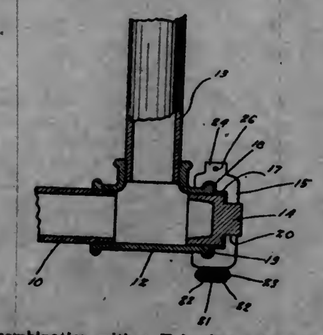
1. A closure member having an opening therein and a marginal channel around the opening with the edge wall of the free leg of the channel forming a seat for a window pane, a window pane holding frame of angle iron form in cross-section having one flange projecting edgewise into the channel and its other flange adapted to grip a pane in opposition to the free edge wall of the channel, said channel being of a width so as to permit the first named flange of the angle iron frame to be adjusted laterally of the channel, and means for detachably securing the frame to the closure member.

1,639,149. COMPOUND BRAKE. EUGÈNE PROSPER RENAUX, Paris, France, assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 14, 1923, Serial No. 625,072. Divided and this application filed Apr. 15, 1926. Serial No. 102,139. 5 Claims. (Cl. 188—78.)



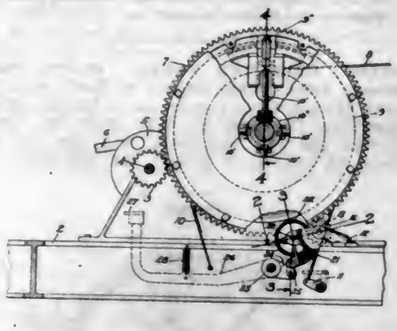
1. A brake comprising, in combination, a rotatable drum, a friction device encircling the drum and having adjacent movable ends formed with yokes, a contracting device embraced by the yokes and having an operating arm extending inside of the circumference of the brake drum, and a servo shoe engageable with the inside surface of the brake drum opposite said yokes and operating said arm to apply the friction device to the outside of the drum.

1,639,150. FASTENING DEVICE FOR GAS-MAIN SWEAT PLUGS. EDWARD SCHNEIDER, St. Paul, Minn. Filed Mar. 13, 1922. Serial No. 543,297. 2 Claims. (Cl. 70—122.)



2. In combination with a T having a bead and a plug formed with a square head screwed therein, enclosing means comprising a pair of sections hingedly connected together and formed with an annular portion and a back portion, said sections being open at their sides opposite the back portion, a groove positioned along the interior of said annular portion adapted to engage said bead, and angular notches formed in said back portions through which the head of said plug may be projected and means for securing said sections together.

1,639,151. REVERSING MECHANISM FOR HOISTING DRUMS. WILLIAM SOMMER, St. Paul, Minn., assignor to American Hoist & Derrick Company, a Partnership composed of F. J. Johnson and W. O. Washburn, St. Paul, Minn. Filed June 30, 1924. Serial No. 723,422. 4 Claims. (Cl. 254—187)

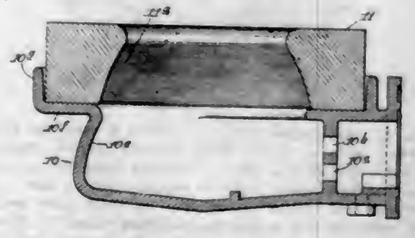


1. A hoisting apparatus comprising a winding drum and cable therefor, said drum having an annular friction surface, means for revolving said drum in one direction to wind the cable thereon, said drum being temporarily disconnected from said revolving means to allow backward movement, and a friction wheel engaging said winding drum friction surface for accelerating its backward movement to hasten the discharge of the cable from the drum, an oscillating element supporting said wheel, a pinion carried by said element and connected to said wheel, and means for oscillating said element and connecting said pinion with said revolving means.

1,639,152. PROCESS OF ELABORATING CORN STALKS INTO PULP FOR USE IN PAPER MAKING AND THE LIKE. ORLAND RUSSELL SWEENEY, Ames, Iowa. Filed Nov. 15, 1926. Serial No. 148,615. 1 Claim. (Cl. 92—5.)

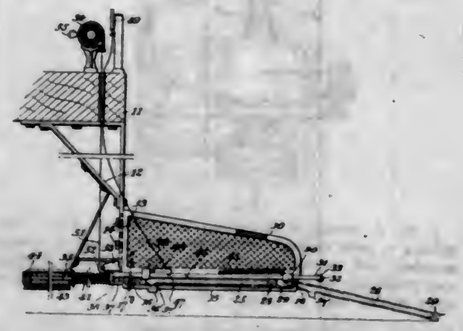
The method of elaborating corn stalks into a pulp for the manufacture of paper, lumber substitute, wall board and the like, which method consists in cooking corn stalks in the presence of soda, lime, sulphite or the like, subjecting the mass to the action of micro-organisms to thereby create a condition under which the corn stalks will be partially disintegrated by the molds, yeast and bacteria which occur under such conditions, and finally subjecting the mass to the action of a mechanical beater.

1,639,153. FIRE POT FOR FUEL BURNERS. HUDSON A. TEDMAN, Galesburg, Ill, assignor to Winslow Boiler & Engineering Co., Galesburg, Ill., a Corporation of Illinois. Filed Nov. 20, 1924. Serial No. 751,007. 2 Claims. (Cl. 158—28.)



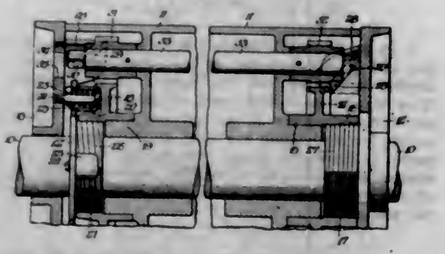
1. A fire pot for fuel burners comprising a metal fire pot shell having an open top portion, and a ring of refractory material the inner end of the bore of which registers with the bore of said open top, said ring being supported wholly above the pot and positioned approximately in the zone of most intense heat normally developed by the burner in operation, the bore of said ring being of approximately the same diameter as the interior of the shell and the surface of said bore forming an approximate continuation of the inner surface of said shell.

1,639,154. SAFETY LIFE-SAVING FENDER FOR CARS. JOHN TUBA, Whiting, Ind. Filed Dec. 14, 1926. Serial No 154,776. 7 Claims. (Cl. 293—24.)



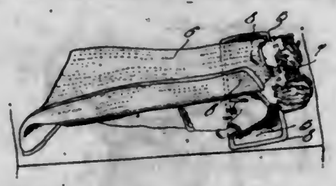
1. In a life saving fender for vehicles, a rigidly supported basket having guide blocks at the sides thereof, a frame slidable in said blocks and comprising side arms and a bumper bar connecting them at the front, an auxiliary basket positioned under the rigid basket, and means controlled by the movements of said frame for releasing said auxiliary basket and for forcing it forwardly for the purpose set forth.

1,639,155. SANDER DRUM. RICHARD A. WILLIAMS and WALTER L. BIGSBY, Beloit, Wis., assignors to Yates-American Machine Company, Beloit, Wis., a Corporation of Delaware. Filed Mar. 6, 1926. Serial No. 92,672. 2 Claims. (Cl. 51—194.)



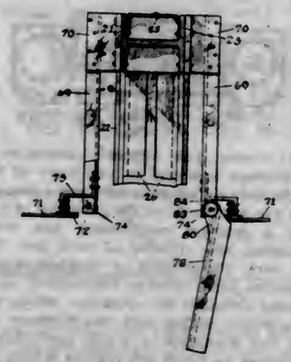
1. A sander drum, comprising a body on which a covering of sand paper or other material is adapted to be spirally wound, a member to which one end of the covering is adapted to be secured, another resiliently yieldable member to which the other end of the covering is adapted to be secured, and means for moving the members spirally in opposite directions with the resiliently yieldable member moving at a greater rate of speed than the other member.

1,639,156. DOUBLE BED COVER. CHARLIE W. WILMERT, Coalinga, Calif. Filed Dec. 30, 1926. Serial No. 157,996. 2 Claims. (Cl. 5—334.)



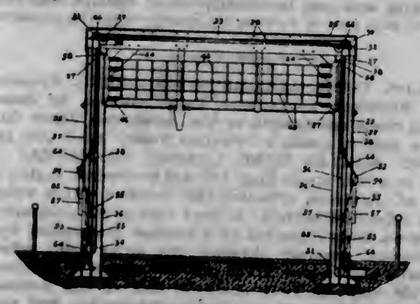
1. A double bed cover comprising a portion upon which the shoulders of two bed occupants may rest, a second portion to cover the occupants' bodies, and a narrow centrally disposed neck portion joining the two aforesaid portions and adapted to pass around the adjacent shoulders of the occupants.

1,639,157. TRAFFIC-GATE STRUCTURE. MELVIN H. ALBERTS, Battle Creek, Mich. Filed Feb. 1, 1926. Serial No. 85,310. 3 Claims. (Cl. 191—36.)



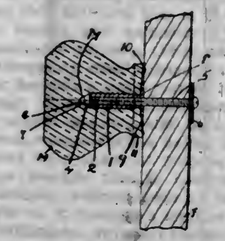
1. A trolley bridge comprising a depending wedge-shaped member positioned in the path of movement of the trolley wheel, and side flanges on said member to form a confining track for the trolley wheel.

1,639,158. TRAFFIC GATE. MELVIN HOWARD ALBERTS, Chicago, Ill. Original application filed Feb. 1, 1926, Serial No. 85,310. Divided and this application filed Mar. 18, 1927. Serial No. 176,412. 2 Claims. (Cl. 39—1.)



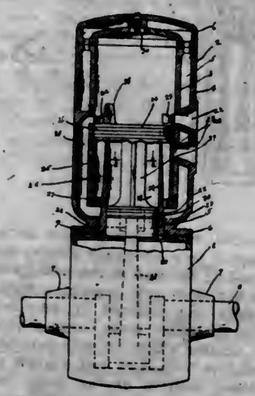
1. In a traffic gate structure, a movable main gate member, a guide for guiding the vertical movements of the gate member, a set of parallel maintaining pulleys and lines connected to the ends of the movable gate member and supported on the guide, a side gate member having a part pivotally connected to the guide, a cable connected to the side gate member, a hook connected to the said cable and engaged by the movable gate member, and means for manipulating the pulleys and lines for raising and lowering the main gate member and the side gate.

1,639,159. FURNITURE KNOB. WILLIAM AUGUST ANDERSON, Huntington Park, Calif., assignor to The Technical Glass Company, Incorporated, Los Angeles, Calif., a Corporation of California. Filed Sept. 26, 1925. Serial No. 58,797. 4 Claims. (Cl. 16—121.)



1. A furniture knob comprising in combination an ornamental head, a base portion on said head, means on said base portion adapted to prevent movement of said head when in position on a piece of furniture, an open-ended tapered sleeve in said head, means on said sleeve for preventing the turning of said head on said sleeve, and a detachable means adapted to be thrust through said furniture and anchored in said sleeve.

1,639,160. VALVELESS TWO-CYCLE MOTOR. FRANK BALCERZAK, Milwaukee, Wis. Filed May 29, 1922. Serial No. 564,625. 1 Claim. (Cl. 123—74.)



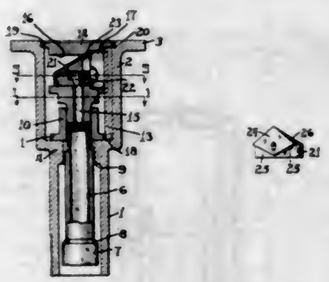
In a two-cycle internal combustion engine having a cylinder and a sleeve within said cylinder in axial alignment therewith and of less diameter than said cylinder, a piston comprising a cylindrical portion adapted to fit said engine cylinder, a second cylindrical portion adapted to fit within said sleeve and being of less diameter than the first mentioned portion co-axial therewith and wholly longitudinally exterior to the first mentioned portion, and a shank portion connecting said cylindrical portions and being of less diameter than the second cylindrical portion, said cylindrical portions and shank being integrally connected, whereby to obviate machining of any portion of said piston within the first mentioned cylindrical portion.

1,639,161. TERMINAL. ERNEST A. BOHLMAN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1921. Serial No. 474,380. 2 Claims. (Cl. 173—259.)



1. A device of the character described including a mounting strip of insulating material, a contact plate adapted to be secured to said mounting strip by integrally formed downwardly extending legs located at opposite ends of said contact plate, upwardly extending arms for said contact plate arranged in pairs on opposite ends and on the sides of said contact plate, a clamped member having integrally formed side pieces bent at right angles to the contact surface of said clamped member, shoulders formed by said side pieces and the contact surface of said clamped member adapted to engage the pairs of arms to prevent the rotation of said clamped member, said side pieces of said clamped member adapted to engage the contact plate to form a channel to permit the insertion of a spiked terminal from two longitudinal directions only, and a screw passing through an orifice in said clamped member and having screw threaded engagement with an orifice in said contact plate to clamp the clamped member in position.

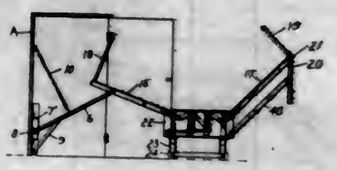
1,639,162. SPRAYING DEVICE. JOHN A. BROOKS, Detroit, Mich. Filed June 12, 1925, Serial No. 36,577. Renewed Mar. 14, 1927. 4 Claims. (Cl. 299—127.)



1. In combination with a spray head having a water discharge passage, a pair of spaced substantially parallel walls on the head at the end of the passage and at substantially right angles to said passage, a wall connecting said pair of walls and disposed at substantially right angles thereto, a reversible spray member having a face formed to seat against either of said pair of walls and having a second face formed to seat against the connecting wall in either position of the spray member, and means extending through the connecting wall and into the spray member for connecting the spray member thereto, said spray member having spray-forming faces of differing configuration presented to the stream issuing from said passage in the said two positions of mounting thereof.

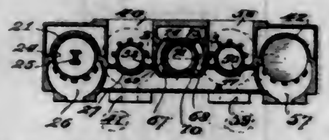
1,639,163. FOLDING BED. WILLIAM A. BURGER, Berkeley, Calif., assignor of one-half to Hans P. Henningsen, Oakland, Calif. Filed July 20, 1925. Serial No. 44,652. 4 Claims. (Cl. 5—152.)

1. A folding bed comprising a support, a head section and a foot section pivoted to said support for foldable movement from horizontal to vertical, a toggle link connected to said foot section and to said support whereby the foot section constitutes one leg of a toggle joint, linkage connecting said head section to the toggle joint for folding movement with the foot section; said linkage



being locked by the toggle joint when the foot section is horizontal; and spring means tending to fold said head section, whereby the bed will be folded by said spring only after folding motion of the foot section has been manually initiated to break the toggle.

1,639,164. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Nov. 23, 1925. Serial No. 70,826. 5 Claims. (Cl. 123—59.)

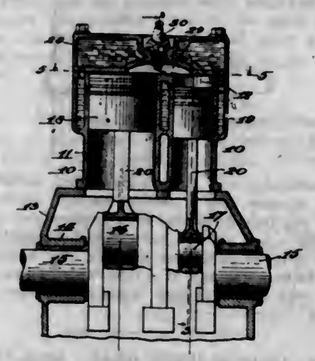


4. In a two stroke cycle internal combustion engine, eight main cylinders arranged in two rows of four cylinders each, the four cylinders in each row being arranged in pairs with the head ends of the members of each pair connected by a common compression and combustion clearance chamber, one cylinder of each pair having a two-diameter bore, the portion of greatest diameter in each two-diameter bore cylinder functioning as a pump chamber, pistons arranged for operation within the eight cylinders, the piston within each two-diameter bore cylinder having two diameters, a crank shaft having four main crank throws to which the pistons within the eight cylinders are separately connected, the crank throws to which the two-diameter pistons are connected being angularly disposed in advance in the direction of crank rotation from the cranks to which the pistons in the cylinders having the straight diameter bores are connected, the two rows of cylinders being arranged 90° apart and with the axes of the cylinders intersecting the axis of the crank shaft, valvular means actuated from the crank shaft for admitting gaseous fuel to the pump chambers of the two-diameter cylinders and gaseous fuel transfer ducts leading from the pump chambers of the two-diameter cylinders in each row to the cylinder of straight diameter one of each pair of combustion chambers in the opposite row.

1,639,165. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Dec. 16, 1925. Serial No. 75,703. 7 Claims. (Cl. 123—53.)

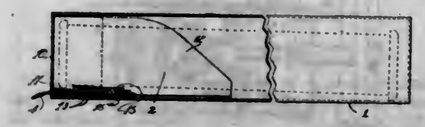
1. In a four stroke cycle internal combustion engine, a pair of combustion cylinders, the chambers within which have different diameters, the head ends of the combustion chambers being connected by a common compression and combustion clearance chamber, the latter being offset laterally with respect to the pair of combustion chambers so that only relatively small portions of said common clearance chamber are in direct communication with said combustion chambers, said common compression and combustion clearance chamber having inlet and exhaust ports, poppet valves controlling said ports, the axes of which

poppet valves are parallel with the axes of the combustion chambers, pistons arranged for operation within the combustion chambers of different diameters, a crank shaft having two crank throws to which the two pistons are



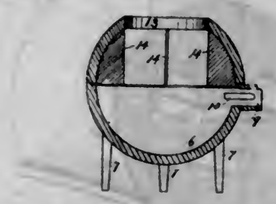
respectively connected and the pin of the crank throw to which the piston within the combustion chamber of least diameter is connected occupying an angular position in advance in the direction of crank shaft rotation from the pin of the other crank.

1,639,166. CONTAINER FOR MUSIC ROLLS AND THE LIKE. CHARLES S. BURTON, Oak Park, Ill. Filed Sept. 7, 1922. Serial No. 586,570. 4 Claims. (Cl. 206—52.)



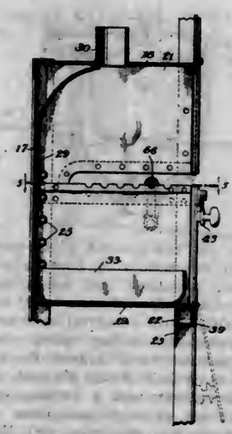
1. A container for music rolls and the like, comprising a tubular box member open at one end; a telescoping closure therefor, an interior metal reinforce at said open end, through which reinforce the closure telescopes into the box; a flexible fabric strip having one end engaged between one side of the reinforce, and the adjacent longitudinal side of the box, and folded back over the inner edge of said side of the reinforce out through the latter and extending in the bottom of the closure secured thereto to the forward edge thereof for hinging the closure to the box.

1,639,167. OIL BURNER. WALTER DEGEN, Fresno, Calif. Filed May 21, 1927. Serial No. 193,103. 2 Claims. (Cl. 158—53.)



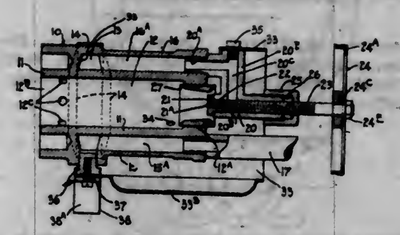
1. An oil burner consisting of a semispherical chamber open at the top and on the diametrical plane, an inlet for fuel and air tangentially to the inside wall of the chamber, a cover for said chamber having an opening at the top, and a plurality of baffles therein adapted to force upwardly the gas passing through the chamber.

1,639,168. ROASTING OVEN. CASIMIR DOROZYNSKI, Chicago, Ill. Filed Sept. 15, 1926. Serial No. 135,513. 5 Claims. (Cl. 126—39.)



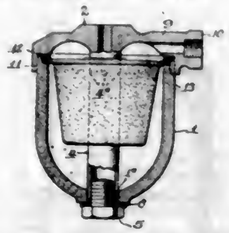
1. An apparatus of the type described comprising a plurality of legs, an integral sheet metal member bent to form the vertical back wall, the horizontal, parallel and spaced top and bottom walls, and the side walls of an oven, said oven attached to the legs, an L-shaped flange formed on the edge of the bottom of the oven and attached to two of said legs to reinforce the same, housing members in the oven and spaced from the side walls to form an insulating space, a drip pan carried on the bottom and bearing at its ends against the housings to hold the pan in place, one of said housings carrying a rack bar, another rack bar carried on the opposite side wall of the oven, said housing and side wall respectively being slotted above the rack bars, a food carrying member supported between and on the rack bars, and means for heating the oven.

1,639,169. TORCH. ERNST F. ENGSTROM, Maywood, and JAMES W. BENES, Hollywood, Ill., assignors to Everhot Manufacturing Company, Maywood, Ill., a Corporation of Illinois. Filed June 20, 1925. Serial No. 38,432. 2 Claims. (Cl. 158—33.)



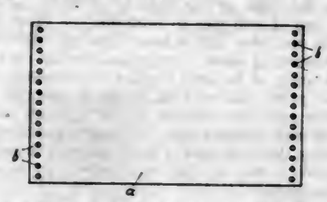
1. In a torch of the character described, and in combination, a burner for said torch adapted to receive fluid fuel under pressure, said burner having a combustion chamber, a shield rigidly supported on said burner and embracing said combustion chamber, said combustion chamber having a fluid fuel outlet, and a priming cup depressed in said shield adapted to receive fluid fuel from said outlet for preheating of said burner and combustion chamber.

1,639,170. GASOLINE FILTER. WILLIAM FELL, Chicago, Ill., assignor to Visible Gasoline Filter Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 10, 1920. Serial No. 429,607. 17 Claims. (Cl. 210—165.)



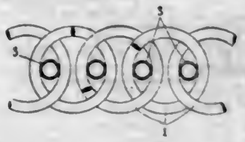
1. In a filter, the combination of a receptacle, having inlet and outlet connections, a filtering unit removably mounted in said receptacle and comprising a skeleton frame, a disc of relatively stiff material at one end of said frame, and provided with a central aperture, a screen of pliable filtering material fitting tightly over said frame with its edges secured inwardly from the margin of said disc to provide a marginal flange adapted to support said unit in said receptacle, and a tubular extension communicating with one of said connections and extending into said receptacle for registering with the aperture in said disc.

1,639,171. PRINTING PLATE AND METHOD OF PRODUCTION THEREOF. FERDINAND FISCHER, Berlin, Germany. Filed Mar. 10, 1926. Serial No. 93,738. 1 Claim. (Cl. 41—41.5.)



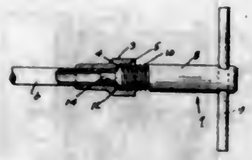
As a new article of manufacture, a small printing plate suitable for lithography comprising a metallic sheet provided with a commercially grained printing surface, and of uniform thinness throughout to both end edges thereof, said sheet being of such thinness as to be successfully tensioned on the cylinder of a duplicating machine by mere pins and holes, the end of said sheet being provided with a series of holes for this purpose extending transversely thereacross.

1,639,172. RADIATOR. PEDRO VILARDELL FORCADA, Barcelona, Spain. Filed Nov. 26, 1924, Serial No. 752,453, and in Spain Jan. 31, 1924. 2 Claims. (Cl. 257—129.)



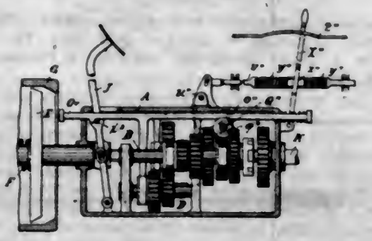
1. A radiator core for use with the cooling system of automobile engines and the like, including a series of substantially parallel interlaced helical tubes in combination with straight tubes passing longitudinally through the lenticular spaces formed by the interlaced helical tubes and lying contiguous to said helical tubes, all of said tubes being adapted to convey water, and the straight tubes functioning to strengthen the interlaced helical tubes.

1,639,173. REFLANGING TOOL. ADOLPH FOUNTAIN, FELICE BALZARINI, and THEODORE THIEL, San Francisco, Calif. Filed June 1, 1926. Serial No. 112,943. 4 Claims. (Cl. 153—79.)



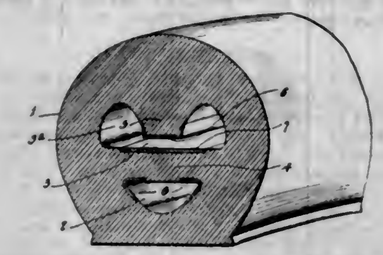
1. A reflanging tool comprising a first unsplit tubular threaded member and a second member having threads engaging the threads on the first member, said first member having a seat therein, said second member extending into the bore of said first member and having a part adapted to flare the end of a tube inserted into said first member over said seat and thereby bind the former to the latter.

1,639,174. CHANGE-SPEED GEAR. GRAF ALFRED VON SODEN-FRAUNHOFEN, Friedrichshafen, Germany, assignor, by mesne assignments, to the Firm: Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Germany. Original application filed June 28, 1920, Serial No. 392,444, and in Germany Sept. 13, 1916. Divided and this application filed Jan. 25, 1922. Serial No. 531,811. 1 Claim. (Cl. 74—38.)



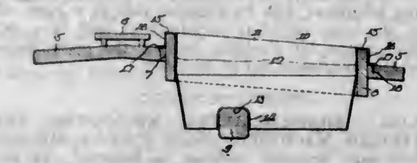
In a change speed gear in combination, a plurality of change speed wheels, striker rods adapted to cooperate with said wheels, means for throwing the said striker rods in and out, respectively, a circular groove in each striker rod, a lock shaft extending across all said striker rods and discs on said shaft, each adapted to engage with the groove in a striker rod and separate means for operating said rotary means.

1,639,175. CUSHION TIRE. GEORGE GATIAL, Tarentum, Pa., assignor of one-half to Steve Matiasko, Tarentum, Pa. Filed Jan. 23, 1926. Serial No. 83,238. 2 Claims. (Cl. 152—1.)



1. In a cushion tire, a solid tire body having concentric circumferentially extending pockets separated by an intermediate wall, an inwardly directed rib carried by a wall of the outer pocket to engage the outer face of the intermediate wall when the tire is under load, a channel-shaped wear plate inclosing the free side of the rib with the sides of the channel flush with the sides of the rib, and a wear plate set into the outer side of the intermediate wall and flush with the face thereof and being of greater width than the aforesaid wear plate and terminating adjacent the opposite sides of the outer pocket to maintain contact with the aforesaid wear plate upon lateral movement of the tread portion of the tire when under load.

1,639,176. HOPPER FOR REFRIGERATING CARS. HOWARD A. GLENN and LOY S. DROMGOLD, Chicago, Ill. Filed Feb. 8, 1926. Serial No. 86,822. 3 Claims. (Cl. 105—377.)



1. The herein described method of constructing a hopper for refrigerating cars, which consists in making the hopper of the proper dimensions and then galvanizing the whole as a unit before mounting it in position.

1,639,177. WRENCH. WILLIAM F. GOURLEY, Good Pine, La. Filed Jan. 15, 1926. Serial No. 81,486. 5 Claims. (Cl. 81—66.)



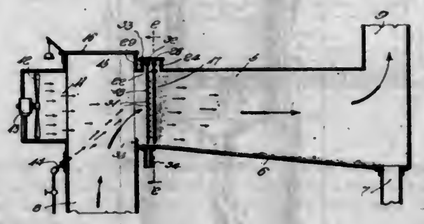
1. A wrench comprising a pair of oppositely extending handle members each having an integrally formed arcuate jaw adapted to engage about an object, and a link permanently connecting said members together, said link being pivotally connected adjacent one end to one of said handle members, and pivotally connected adjacent the other end to the jaw of the other member.

1,639,178. STROBOSCOPE WITH VIBRATING CORD. AMÉDÉE VICTOR JOSEPH GUILLET, Paris, France. Filed Mar. 10, 1924, Serial No. 698,803, and in France Mar. 22, 1923. 7 Claims. (Cl. 88—14.)



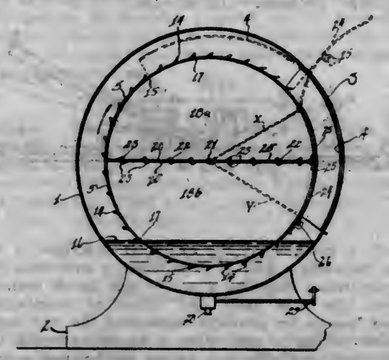
1. A stroboscope, comprising a frame a vibrating cord means for securing said cord at its ends to said frame means controlled by the vibrating cord for producing stroboscopic flashes, electro-magnetic means for sustaining the vibration of said cord and means, controlled by the vibrating cord, for supplying current to said electro-magnetic means.

1,639,179. SMOKE CLEANER. PETER HAMEL, Berlin, N. H. Filed May 3, 1926. Serial No. 106,466. 4 Claims. (Cl. 261—17.)



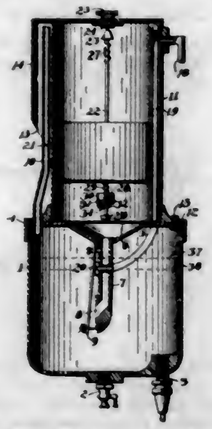
1. A smoke cleaner comprising a passage extending in a substantially horizontal direction, said passage having an air inlet neck at one end, said neck being in line with and substantially a continuation of said passage, a smoke inlet communicating with said passage at the junction of said air inlet neck and said passage, a smoke outlet at the opposite end of said passage, a blower mounted in said air inlet neck for directing a blast of air longitudinally through said passage to facilitate the passage of the smoke through the latter, liquid spraying means extending across the area of said passage adjacent to said air and smoke inlets, air discharging means extending across the area of said passage between said air and smoke inlets and said liquid spraying means, said air discharging means having a multiplicity of outlets directed toward said liquid spraying means.

1,639,180. WASHING MACHINE. LOUIS WILLIAM HAMILTON, Kenosha, Wis., assignor of one-half to John M. Bleicher, Kenosha, Wis. Filed Dec. 21, 1925. Serial No. 76,918. 2 Claims. (Cl. 68—18.)



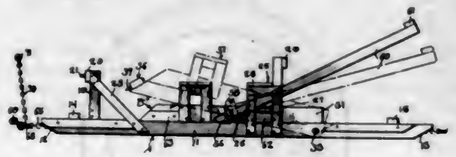
1. A washing machine comprising a casing adapted to hold a washing solution therein, a washing cylinder rotatably mounted in said casing, means for rotating said cylinder, said cylinder having stamped-out portions making openings therein and forming outwardly extending integral arcuate-shaped lugs, a plurality of partitions diametrically disposed in said cylinder for forming compartments, transversely extending partitions having hinged portions disposed in the compartments, and doors for the compartments hingedly mounted upon said cylinder and out of alignment with each other.

1,639,181. VACUUM FUEL-FEED TANK. WILLIAM E. HART, near San Jose, Calif. Filed Nov. 10, 1924. Serial No. 749,076. 4 Claims. (Cl. 158—36.1.)



1. A device of the character indicated comprising a fuel discharge chamber, a fuel supply chamber arranged thereover, a conduit communicating with the bottom of said supply chamber and extending into said discharge chamber, an air supply to said discharge chamber, a float operated valve controlled suction outlet from said supply chamber, a conduit extending from the upper portion of said supply chamber to the desired normal liquid level in said discharge chamber and having an opening in its lower end lying in the same plane as the discharge opening in said first mentioned conduit, and a normally open valve operatively positioned with relation to said conduits and actuated to close the same by reduction in air pressure in said second mentioned conduit below the air pressure in said discharge chamber.

1,639,182. LAND-LEVELING MACHINE. JULES L. HENRY, Ysleta, Tex. Filed Aug. 27, 1926. Serial No. 131,957. 4 Claims. (Cl. 37—145.)



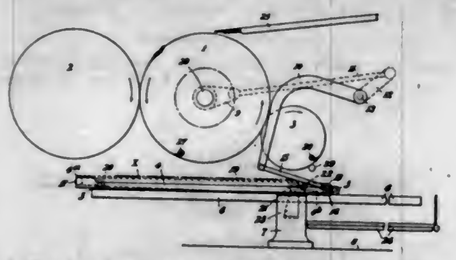
1. In a machine of the character described, a main frame including a pair of longitudinally extending skids, a second frame including a pair of side boards positioned between the said skids and extending longitudinally thereof, means for pivotally connecting the rear ends of the said boards to said skids, a handle extending rearwardly and upwardly and having its forward end connected with said boards for raising and lowering the forward ends thereof, blocks carried by said boards and engaging said skids for limiting the downward movement of said boards, a rake carried by and extending between said boards and having a plurality of teeth terminating on a level with the bottom edges thereof, a harrow secured to and between said boards in the rear of said rake and having a plurality of teeth projecting below the bottom edges of said boards, and a planing board secured to and between said boards in the rear of said harrow and having its lower edge even with the bottom edges of said boards.

1,639,183. PLIERS. GEORGE P. INGRAM, San Jose, Calif. Filed Mar. 18, 1926. Serial No. 95,663. 4 Claims. (Cl. 294—44.)



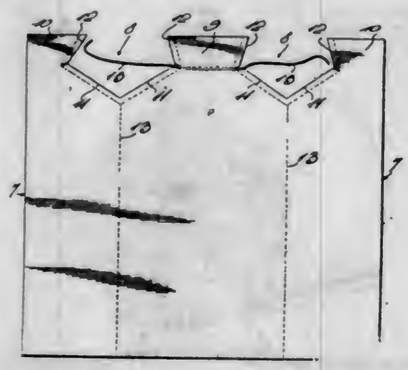
1. A device of the character described, comprising a pair of pivoted and relatively slidable coacting jaws provided with handles, one jaw having a pivot mounted thereon and the other jaw having a slot formed therein to receive said pivot and extending from a point in substantial alignment with its gripping face to a point adjacent the edge extending forwardly of said face, and resilient means for normally holding the pivot seated in the first mentioned end of said slot.

1,639,184. SHEET-DELIVERY MECHANISM FOR PRINTING MACHINES. JOHN WALLACE JAKEMAN, Altrincham, England, assignor to Linotype and Machinery Limited, London, England. Filed May 6, 1926, Serial No. 107,024, and in Great Britain May 15, 1925. 8 Claims. (Cl. 271—78.)



1. Sheet delivery mechanism for printing machines, comprising a reciprocating tape carriage, two sets of tapes both reciprocating with the carriage, one set serving for receiving the printed sheets and transferring them to the other set, the tapes of the latter set being endless and serving to deposit the sheets on the delivery board, and means for rotating the endless tapes during only the inward strokes of the carriage.

1,639,185. EMERGENCY RAINCOAT. OSCAR WALTER JOHNSON and CARL H. JOHNSON, Chicago, Ill. Filed Apr. 11, 1927. Serial No. 182,812. 3 Claims. (Cl. 2—87.)

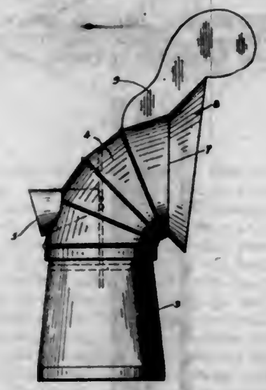


2. An emergency raincoat comprising a sheet having two spaced notches in its upper end, leaving three collar sections at said end, the bottoms of said notches each consisting of two downwardly converging halves, said sheet being folded on vertical lines at the meeting points of said converging halves of the notch bottoms, means securing said halves of each notch bottom together to provide the two shoulders of the coat, and means securing said collar sections together to form a complete collar.

1,639,186. CATALYTIC REDUCTION OF ORGANIC NITRO COMPOUNDS. MYRTIL KAHN, Cologne, and RUDOLF MAYER, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 14, 1926, Serial No. 129,290, and in Germany Sept. 29, 1924. 9 Claims. (Cl. 260—130.5.)

1. The process of reducing organic nitro compounds which consists in reacting upon same with hydrogen at elevated temperatures in presence of a reduction catalyst comprising silicagel.

1,639,187. VENTILATOR. FRANK R. KELLEY, Pittsburgh, Pa. Filed Nov. 30, 1923. Serial No. 677,733. 3 Claims. (Cl. 98—70.)



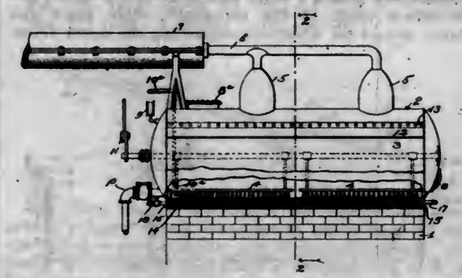
1. In a ventilator of the character described, the combination of a base, a curved cowl rotatably mounted on said base, an injector tube extending into said cowl from the rear and having its outlet directed upwardly towards the mouth of said cowl, and an edged flange for the mouth of said cowl flaring upwardly and outwardly therefrom at an abrupt angle and diminishing downwardly in width, for the purpose of causing air currents traveling over said cowl to bound upwardly to produce an aspirating effect at the mouth of said cowl in the presence of low wind velocities.

1,639,188. PROCESS FOR THE PRODUCTION OF ELECTRODES. EMIL KLEINSCHMIDT, Frankfort-on-the-Main, Germany. Filed Nov. 21, 1925, Serial No. 70,676, and in Germany Apr. 29, 1924. 5 Claims. (Cl. 176—133.)

1. The process of manufacturing carbon electrodes comprising reducing an aggultinant to an impalpable powder and admixing such powder to the raw material from which the electrodes shall be formed.

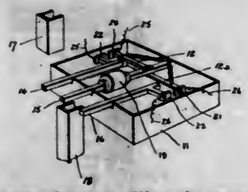
1,639,189. STEAM-JACKETED STILL. WILLIAM KNAPP, Chanute, Kans. Filed Apr. 23, 1925. Serial No. 25,319. 4 Claims. (Cl. 196—119.)

4. In a steam jacketed still, the combination with a shell provided with ends, of a split jacket shell secured at its upper horisontal edges only to the sides of said shell and terminating at the ends of said first mentioned shell, said first mentioned shell having its ends unenclosed, said first mentioned shell and jacket shell producing a compartment, end closures around the first mentioned shell and arranged in vertical planes and secured



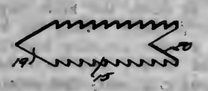
to the ends of the jacket shell for closing said compartment, and means for supplying superheated steam to and allowing said steam to be discharged from said compartment.

1,639,190. APPARATUS FOR THE CONTROL AND OPERATION OF ELECTRIC LIFTS AND THE LIKE. JOHN BERTRAM MORTON KNUTSEN, Potts Point, near Sydney, New South Wales, Australia. Filed Nov. 23, 1925, Serial No. 70,934, and in Australia May 18, 1925. 4 Claims. (Cl. 187—29.)



3. In apparatus for controlling the stopping of a lift at the top of floor landings in a well, the combination, an electro-magnet on the lift including a pole piece, additional pole pieces arranged at the sides of the first pole piece, and armatures associated with the second pole pieces and magnetic members arranged in spaced pairs adjacent each of the floor landings in the well and positioned to be received between and in magnetically conductive relation to the first pole piece and one or the other of the second pole pieces, substantially as and for the purposes set forth.

1,639,191. MECHANICAL MOVEMENT. JOSEF KRYSTOFIAK, New York, N. Y., assignor, by mesne assignments, to Emil Willbrandt and Blanche Willbrandt, Copartners, trading as Art Aseptible Furniture Company, St. Louis, Mo. Filed Aug. 8, 1924. Serial No. 730,808. 1 Claim. (Cl. 74—16.)

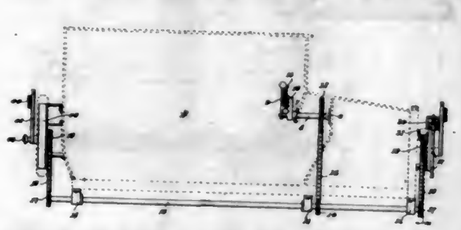


As a new article of manufacture, a ratchet comprising a sheet having teeth in the parallel edges of said sheet, having a recess at one end, and a projection at the other end, and said sheet having a tubular form with a projection at one end of the sheet entering into the recess at the other end of the sheet.

1,639,192. AUTOMOBILE SIGNAL. GEORGE KUCIPAK, Seneca Falls, N. Y. Filed July 9, 1925. Serial No. 42,538. 5 Claims. (Cl. 116—47.)

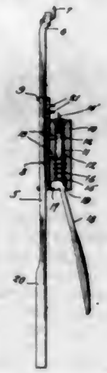
1. In a device of the class described, the combination with an automobile, of a pivoted signal element at each end of said automobile, power transmission means ex-

tending longitudinally of the automobile, a connection between each signal element and its respective end of said transmission means, a shaft constantly driven by the motor power plant of the automobile, slide gears and clutch devices for selectively connecting the power trans-



mission means with said driven shaft, and a cam ring and control arm adapted to be set by the driver for automatically breaking the last mentioned connection when the signal elements have been moved to the proper signalling positions.

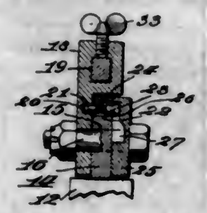
1,639,193. CAN OPENER. WARD DE WITT LAMB, Le Mars, Iowa. Filed Jan. 6, 1926. Serial No. 79,582. 1 Claim. (Cl. 30—3.)



A can opener including an elongated body portion having a prong, a carriage including a length of sheet metal having lateral parallel flanges and having right angled end portions formed with openings to permit the carriage to be positioned on the body portion, pins connecting the lateral flanges, pins connected with the first mentioned pins and extending through the carriage, a knife supporting bar having a knife at one end and and having elongated openings to accommodate the last mentioned pins to guide the knife supporting bar, a coiled spring for normally urging the knife supporting bar rearwardly, a lever pivotally mounted between the laterally extended flanges, said lever having an offset enlargement at one end, said offset enlargement adapted to engage one end of the knife supporting bar, and said enlargement adapted to move the knife supporting bar forwardly when the lever is pressed towards the body portion.

1,639,194. BARBER'S-CHAIR HEADREST. JOHN E. LASATER, Los Angeles, Calif. Filed Feb. 18, 1926. Serial No. 89,023. 2 Claims. (Cl. 155—177)

1. The combination with a barber's chair, of a member mounted for vertical adjustment on the upper portion of the back of the chair, a disk carried by the upper end of said vertically adjustable member, a spring pressed pin extending through said disk, a member pivotally connected to said disk and provided in its inner face with a series of recesses that are adapted to receive the point of the spring pressed pin, a short shank projecting from said pivotally mounted member, a head rest adjustably carried by said short shank, a manually operable disk pivotally mounted on the side of the first mentioned



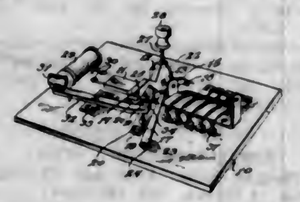
disk opposite from the side on which the shank carrying member is pivotally arranged, the inner face of which pivotally mounted disk is provided with a recess that receives the head of the spring pressed pin and the bottom of which recess is in the form of a cam having different elevations.

1,639,195. FENCEPOST. JOHN W. MEAKER, Chicago, Ill., and WILLIAM P. GLEASON, Gary, Ind. Filed Feb. 1, 1924. Serial No. 689,976. 3 Claims. (Cl. 256—57.)



1. A metal fence post or the like T-shaped in cross-section and having a flat face and serrations along an edge of the face, said serrations having relatively narrow wire engaging portions and extending to the rear of the face whereby vertical displacement of wire engaging clips is prevented.

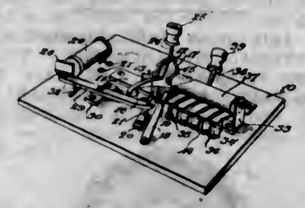
1,639,196. ELECTRIC SWITCH. TRUMAN A. PANGBURN, Camden, N. J. Original application filed Dec. 2, 1921, Serial No. 519,463. Divided and this application filed Dec. 11, 1923. Serial No. 680,021. 3 Claims. (Cl. 200—106.)



3. An electric switch including a base, a contact carried thereby, a bracket upstanding from the base, a switch member pivoted upon the bracket in a plane at substantially a right angle to the base to coact at one

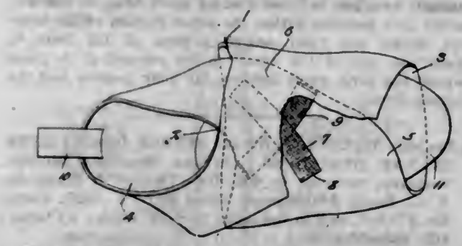
end with said contact, a link journaled at its upper end through said member above the pivotal center thereof and extending downwardly beneath the member, a flat spring fixed at one end to the base and at its opposite end engaging the lower end of the link for pressing downwardly thereon and rocking the switch member in one direction into engagement with said contact or in the opposite direction out of engagement with said contact, the member being provided near one end thereof with an inclined lower edge, and a pivoted lever lying substantially parallel to the base and provided at one end with an upturned cam lug to coact with the inclined edge of said member for tripping the member.

1,639,197. ELECTRIC SWITCH. TRUMAN A. PANGBURN, Camden, N. J. Original application filed Dec. 2, 1921, Serial No. 519,463. Divided and this application filed Dec. 11, 1923. Serial No. 680,022. 2 Claims. (Cl. 200—106.)



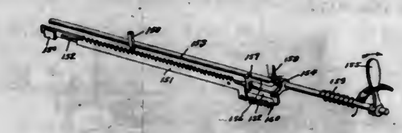
1. An electric switch including a base, a contact carried thereby, a pivoted switch member mounted in a plane at an angle to the base, a link pivotally engaged at its upper end with said switch member at a point above the pivotal center thereof and extending downwardly past said member toward the base, a spring fixed to the base and having its free end engaged with the lower end of said link to press downwardly thereon for rocking the switch member in one direction into engagement with said contact or in the opposite direction out of engagement with said contact, a lever pivoted upon the base to lie substantially parallel thereto and rock in a plane intersecting the plane of the switch member and provided with a hook engageable with said switch member for holding said member in engagement with said contact, and means for swinging the lever and releasing the switch member.

1,639,198. ARCH AND ANKLE SUPPORT. ISAAC MERRICK PEASE, Cincinnati, Ohio. Filed Jan. 22, 1926. Serial No. 83,048. 1 Claim. (Cl. 128—166.)



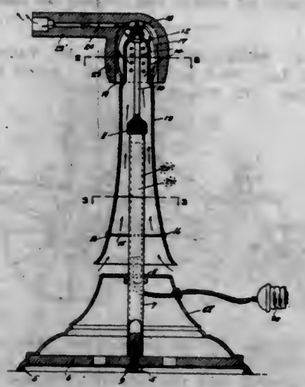
A device of the class described, fashioned from an endless loop-shaped member which is crossed upon itself to define a foot socket and an ankle socket, and to form inner and outer layers at the place of crossing, a flexible element secured at its ends to the inner layer, and a flexible element secured at its ends to the outer layer, both flexible elements being housed between the layers, the flexible elements crossing each other, each flexible element extending between the other flexible element and the layer whereunto said other flexible element is connected.

1,639,199. BACK-SPACING MECHANISM FOR TYPEWRITERS. HENRY PEETERS, Warcoing, Belgium. Filed Feb. 20, 1924, Serial No. 694,079, and in Belgium Dec. 21, 1923. 6 Claims. (Cl. 197—91.)



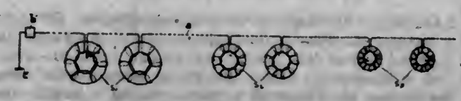
1. A back spacing mechanism for typewriters, comprising a finger rigidly connected to the carriage of the typewriter, a rack normally out of engagement with the finger, an elongated rod slidably carrying the rack, a hand lever operable to move this rod and the rack normally towards the finger until engagement between the finger and the rack is produced, and means carried by the rod for sliding the rack along its rod after said engagement, the displacement of the hand lever being continued.

1,639,200. TOBACCO-PIPE CLEANER. JOHN W. PITTS, Berkeley, Calif. Filed May 4, 1925. Serial No. 27,912. 3 Claims. (Cl. 131—13.)



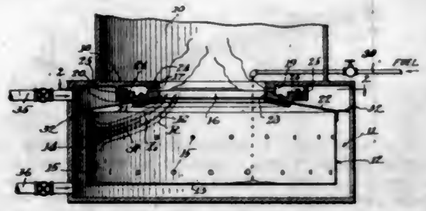
3. A tobacco pipe cleaner comprising a hollow upright support having one end portion thereof perforated, a plurality of resilient bracket arms disposed around the said perforated end portion and adapted for insertion into the bowl of a pipe and further adapted to frictionally engage the interior of the bowl and thereby provide a clearance between the said perforated end portion of the support and the inner face of the bowl, and an electrically operated heating element disposed in the said body portion.

1,639,201. TELEGRAPH CABLE PROVIDED WITH LOADING COIL. HANS SALINGER, Berlin, Germany. Filed Jan. 16, 1926, Serial No. 81,822, and in Germany Jan. 23, 1925. 2 Claims. (Cl. 178—45.)



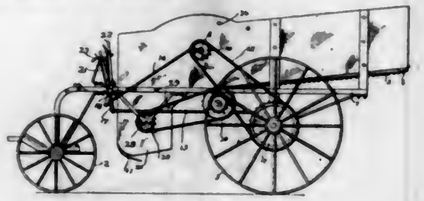
1. Telegraph cable provided with loading coils the cores of the coils of the loading coils arranged in the proximity of the ends of the cable having a greater cross section than the cores of the coils arranged in the middle of the cable, for the purpose set forth.

1,639,202. PROCESS OF COMBUSTION. BEN VALJEAN, San Diego, Calif., assignor to Valjean Carburetor Company, San Diego, Calif., a Corporation of California. Filed Sept. 5, 1922. Serial No. 586,195. 5 Claims. (Cl. 158—117.5.)



1. The process of combustion that involves forming a substantially quiescent body of gaseous fuel, directing into such body a plurality of air jets in spaced relation, each jet carrying with it a surrounding part of said gaseous fuel to form a stream, the interior portion of which is too thin for ready combustion and the outer portion too rich for ready combustion, maintaining such streams out of interference with each other, whereby no combustible mixture is formed, thereafter positively causing a combustible admixture of the thin and rich portions of each jet stream, and burning the admixture.

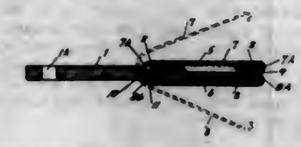
1,639,203. SPREADER. SAMUEL W. VARNADO, Baton Rouge, La. Filed Apr. 30, 1926. Serial No. 105,794. 2 Claims. (Cl. 275—3.)



1. A machine for the purpose set forth comprising a vehicle body having a guard wall closing its front end, a cover secured upon the body adjacent and spaced from the guard wall, a conveyer mounted in the body and providing a bottom therefor, a feeding drum arranged within the body under the cover and over the front end of the conveyer, a pair of hoppers depending from the front end of the body in juxtaposition to the guard wall, said hoppers having open bottoms and having walls which are vertical in their lower portions and flared in their upper portions, the upper flared portions of the walls terminating at the conveyer, the sides of the body and the medial longitudinal line of the body respectively, spreader drums mounted in and fitting closely between the vertical portions of the walls of the respective hoppers, means for rotating the feeder drum and spreader drums in opposite directions, and means for simultaneously actuating the conveyer to carry material to and under the feeding drum and deliver it into the hoppers.

1,639,204. POCKET-KNIFE-SHARPENING DEVICE. HERMAN L. WELCH, Los Angeles, Calif. Filed Aug. 12, 1924. Serial No. 731,581. 3 Claims. (Cl. 51—211.)

3. A sharpening device comprising a supporting member having an elongated portion forming a handle and a substantially annular portion forming a support for abrasive materials having a central aperture therein, said central aperture having inwardly sloping converging upper and lower sides terminating approximately midway of the transverse thickness of the supporting member, substantially disk shaped members arranged in said central aperture so that one of said disks is supported by the upper inwardly sloping side thereof and another of the said disks supported by the lower inwardly sloping side; another aperture adjacent the central aperture in the supporting member having a pin supported cross-



wise therein upon which are hingedly mounted members adapted to cover said disk, the outer ends of said covers being curved inwardly and adapted to engage within a substantially semicircular recess in the outer periphery of said annular portion for holding the covers in position over the substantially disk-shaped members.

1,639,205. SKID-CHAIN LOCK AND ROPE OR FLEXIBLE-MATERIAL MISPLACEMENT. WILLIAM A. WHITAKER, Springfield, Mo. Filed Apr. 18, 1925. Serial No. 24,190. 1 Claim. (Cl. 152—14.)



A chain fastening device comprising a body portion formed of a length of wire material bent intermediate its ends to provide spaced resilient arms, said body portion having a right angled intermediate portion, a locking device formed of a length of wire material looped around the right angled portion of the body to provide a substantially straight arm and an inclined arm offset at the point of connection between the lever and body portion, one end of a chain adapted to be passed between the straight arm and inclined arm of the locking device and moved to a position within the offset portion of the lever and within the right angled portion of the body to cause the end of the chain to be secured at a point beyond the pivot point between the body portion and the locking device.

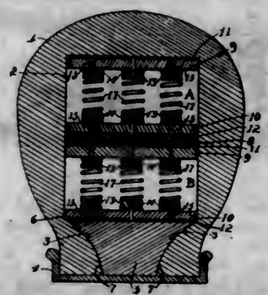
1,639,206. MANUFACTURE OF STABLE DERIVATIVES OF VAT DYESTUFFS. ARTHUR WOLFRAM, Hochst, Germany, assignor to the Firm Durand & Huguenin S. A., Basel, Switzerland. Filed Mar. 11, 1927, Serial No. 174,698, and in Germany Mar. 17, 1926. 2 Claims. (Cl. 260—53.)

1. A process for the manufacture of stable derivatives of vat dyestuffs soluble in water, consisting in treating a leuco compound of a vat dystuff with aminosulphonic acid in the presence of a tertiary organic base.

1,639,207. VEHICLE-WHEEL TIRE. JOHN AGRILLO and JOSEPH DALY, San Jose, Calif. Filed Jan. 18, 1927. Serial No. 161,826. 2 Claims. (Cl. 152—8.)

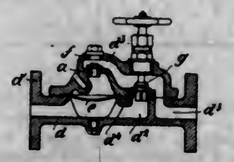
1. In a structure of the character described, a pair of spaced and concentrically arranged flexible bands, a plurality of spaced plates positioned on the outer surface

of one band and the inner surface of the other and extending crosswise thereof, a plurality of pairs of opposed buttons mounted on the opposing surfaces of said bands



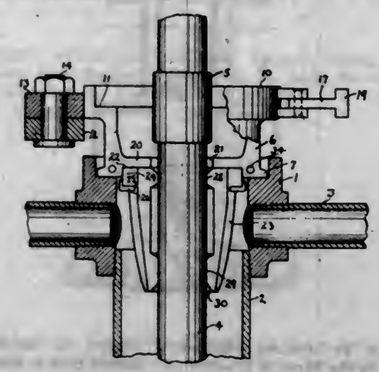
and provided with pins extending through said bands and riveted to said plates, and a helical spring engaging each pair of opposed buttons.

1,639,208. STEAM TRAP. FREDERIK BASENAU, Amsterdam, Netherlands. Filed July 18, 1923, Serial No. 652,284, and in Germany July 21, 1922. 12 Claims. (Cl. 137—103.)



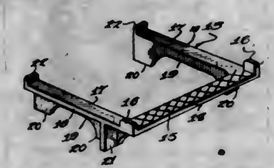
1. A steam trap comprising a casing, a fluid inlet thereto, a fluid discharge therefrom, and means for automatically trapping the steam without employing a valve, comprising a resistance interposed in the path of the flow of the fluid and in the form of a continuously open hollow nozzle of coned form internally so as to converge in the direction of flow of the fluid, the back pressure caused by the resistance of said nozzle to the passage of liquid being greater than the normal pressure difference of the fluid between said inlet and said discharge.

1,639,209. TUBING STRIPPER. IVAN C. BELL, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Oct. 4, 1924, Serial No. 741,772. Renewed Oct. 4, 1926. 9 Claims. (Cl. 166—16.)



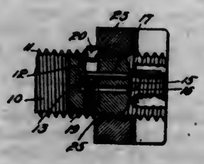
1. In combination with a casing head and a pipe therein, a packer comprising a bushing means to secure said bushing in said casing head, a packing sleeve of compressible material secured to and carried within said bushing and spaced from said casing head, and means to hold said packing sleeve resiliently against said pipe.

1,639,210. MANHOLE STEP. CHALMERS S. BROWN, Lima, Ohio, assignor to Brown and Brown, Inc., Lima, Ohio, a Corporation of Ohio. Filed Nov. 22, 1926. Serial No. 150,053. 1 Claim. (Cl. 228—47.)



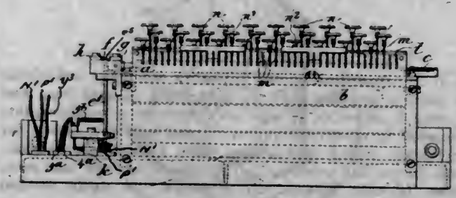
A device of the character described comprising a substantially U-shaped cast metal step having the base portion thereof forming a tread, the arms of said step including upper horizontal flange portions and vertical depending flange portions, each of said depending flange portions including a plurality of downwardly projecting feet.

1,639,211. NUT LOCK. JAMES A. CAMPO, Woodridge, N. J. Filed Oct. 22, 1926. Serial No. 143,432. 6 Claims. (Cl. 151—9.)



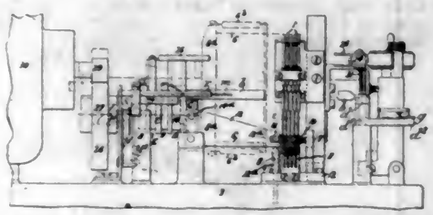
1. In a nut lock, a screw-bolt having a transverse bore, a spring-actuated locking pin longitudinally movable in said bore and provided with two shoulders, and limit means inserted longitudinally in the bolt for restricting the movements of the pin, the bolt having a hole at its threaded end which is substantially parallel with the limit means, for receiving a removable hold-back pin and spaced away from the limit means for a distance slightly less than the distance between the shoulders.

1,639,212. TELEGRAPHIC TRANSMITTING APPARATUS. FREDERICK GEORGE CREED, Croydon, England. Filed Oct. 25, 1924, Serial No. 745,934, and in Great Britain Nov. 5, 1923. 12 Claims. (Cl. 178—23.)



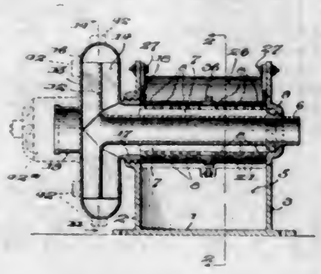
1. In a telegraph transmitter, notched combination bars, key levers adapted, on operation, to hold said bars in a selective manner according to the signal to be transmitted but not to operate said bars, a bar holding and releasing device adapted to hold said bars in normal endways position preparatory to operation of a key lever and afterwards to release said bars, means for actuating said bar holding and releasing means, springs each adapted to move endways a bar not held by a key lever and electric circuit controlling means dependent for operation upon the position of said bars.

1,639,213. TELEGRAPHIC RECEIVING APPARATUS. FREDERICK GEORGE CREED, Croydon, England. Filed Oct. 25, 1924, Serial No. 745,935, and in Great Britain Nov. 5, 1923. 16 Claims. (Cl. 178—34.)



1. In telegraphic receiving apparatus, a series of independently movable control fingers, a finger setter, means for moving said finger setter to and fro past said control fingers, a relay responsive to the separate signals of each group of signals to be received, means under the control of said relay whereby the finger setter will be rendered operative or inoperative on the control finger opposite which it happens to be on the receipt of a signal, according to the character of the signal, and means the action of which is controlled in accordance with the relative setting of the series of control fingers.

1,639,214. GRINDING AND SEPARATING APPARATUS. PAUL L. CROWE, Baltimore, Md. Filed Oct. 20, 1925. Serial No. 63,742. 16 Claims. (Cl. 83—14.)



1. An apparatus of the character set forth comprising a base, a grinding cylinder journalled on said base and having a plurality of apertures therein, a crusher plate disposed in operative relation to said cylinder, means for yieldingly urging said crusher plate toward said cylinder and means for creating an air draft through the apertures in said cylinder to withdraw the finely divided material therethrough.

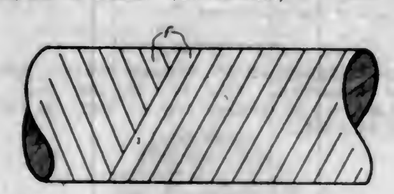
1,639,215. GROUND EXCAVATOR. MARIO DE GRASSI, Philadelphia, Pa. Filed Sept. 16, 1925. Serial No. 56,570. 2 Claims. (Cl. 262—7.)

1. In a tunneling and excavating machine of the class described, a plurality of substantially triangularly shaped blades forming a point at their front meeting ends, a plurality of cutting tools on each of said blades, a disc, a plurality of fingers on said disc, pins on said blades adapted to be engaged by said fingers, a shaft and a hand wheel connected to said disc for spreading said blades, a motor, and means for coupling and uncoupling said



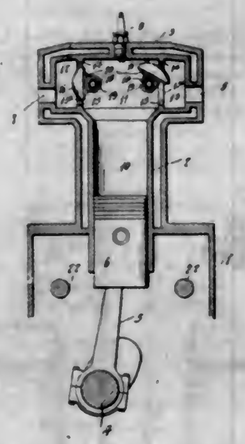
motor from the tool operating means, and a means for disposing of the soil excavated by said tools at the rear of the machine.

1,639,216. SANDING MACHINE. JOHN C. DE PENNING, Portland, Oreg. Filed May 27, 1926. Serial No. 112,064. 2 Claims. (Cl. 51—190.)



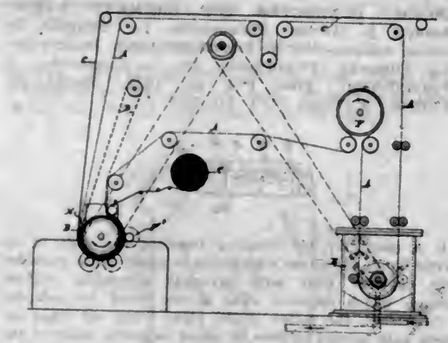
1. In a sander roll of the character described, means for fastening a resilient covering to the drum portion thereof, comprising a relatively narrow strip of adhesive tape wound in a series of laterally adjacent convolutions about such covering, whereby each convolution of tape is adhesively bound to the covering to form a continuous protective sheathing for such covering in which the convolutions individually hold the covering.

1,639,217. INTERNAL-COMBUSTION ENGINE. FREDERICK WILLIAM DUFWA, Mexico, Mexico. Filed May 13, 1926. Serial No. 108,965. 4 Claims. (Cl. 123—81.)



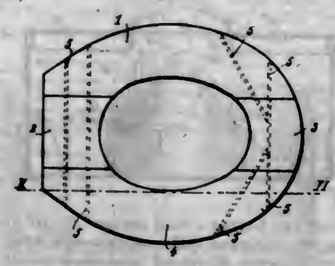
1. In an internal combustion engine, an oscillating valve in the form of a sector of a sphere that is rounded upon its operative side, a spherical valve seat cooperating with the convexed side of the valve and a support for the valve at the concave side thereof.

1,639,218. PROCESS FOR PRINTING UPON TEXTILE FABRICS. EUGÈNE EBERSOL, Mulhouse, France, assignor to Society Freres Koechlin, Mulhouse, Haut-Rhin, France. Filed May 18, 1925, Serial No. 31,104, and in France June 16, 1924. 3 Claims. (Cl. 101—416.)



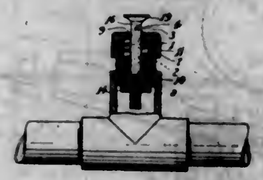
1. In apparatus for printing textile fabrics, a pressure roller and an endless belt of metallic gauze between this pressure roller and the piece of fabric to be printed for absorbing the excess color.

1,639,219. TOILET SEAT. EUGÈNE LÉON ECKERLEIN, Paris, France. Filed Nov. 14, 1923, Serial No. 674,603, and in Great Britain Nov. 18, 1922. 2 Claims. (Cl. 4—237.)



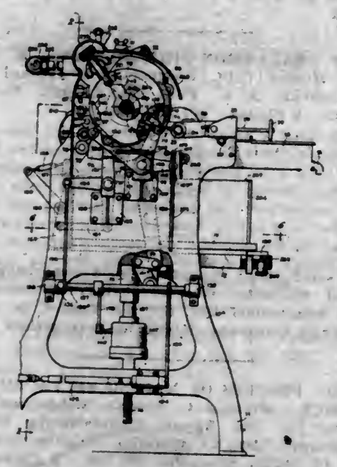
1. In a toilet seat means to assemble the seat, threaded rods threaded in one direction to traverse the seat after assembling from side to side of the same, and similar rods partly starting from a side of the same and finishing in the interior of the seat.

1,639,220. SPRAYING NOZZLE. DONALD ELDER, Onehunga, New Zealand. Filed Feb. 11, 1926, Serial No. 87,631, and in Australia Feb. 28, 1925. 2 Claims. (Cl. 299—18.)



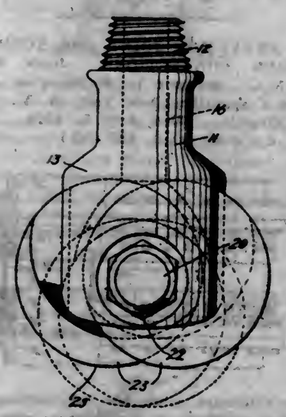
1. A sprayer comprising a nozzle having a bore, and a lateral gap V-shaped in cross section, the said bore terminating in said gap, the wall of said gap opposite the bore being a convex-cylindrical surface and the opposite wall being a concave-cylindrical surface.

1,639,221. SHEET-FEEDING MECHANISM. ELMER E. FAIRCHILD, ALLAN A. ADAMSON, and CHARLES F. MORLEY, Rochester, N. Y., assignors to Alderman, Fairchild Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 12, 1924. Serial No. 749,403. 39 Claims. (Cl. 271—28.)



1. A sheet feeding mechanism comprising the combination of a support for a stack of sheets, means for removing the outermost sheet of the stack, means for determining the effective height of the support and therewith the stack of sheets thereon, means for supporting said effective height determining means independently of said stack support and means for moving said stack support to a certain position for effecting co-operation with said height determining means and for moving said stack support to a different position for effecting co-operation with said outermost sheet removing means.

1,639,222. EXPANDING ROTARY BIT. ROY N. FERGUSON, Los Angeles, Calif. Filed Oct. 24, 1923. Serial No. 670,507. 1 Claim. (Cl. 255—76.)



In a rotary bit, the combination of: a body; a pair of spaced legs extending downward from said body, a pair of abutment faces being formed between said legs, and a pair of engagement faces being formed on said body between said legs; a pin secured to said legs; and a pair of cutting discs eccentrically mounted on said pin between said legs in such a manner as to have a re-

tracted position and an expanded cutting position, the peripheries of said discs being adapted to engage said engagement faces when said discs are in retracted positions and to engage said abutment faces when in expanded positions, the longitudinal axes of said discs being above the axis of said pin when said discs are fully expanded.

1,639,223. EXPANSION SHIELD. JOSEPH K. FISHER, Santa Monica, Calif., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Feb. 6, 1922. Serial No. 534,293. 8 Claims. (Cl 85—2.4.)



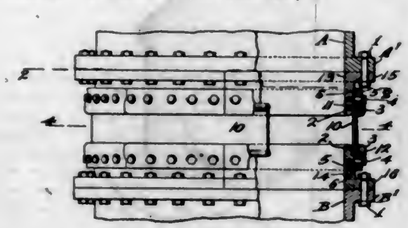
1. A sheet metal expansion shield comprising a plurality of expansible sections having out-turned edges forming longitudinal ribs, the ribs formed by adjacent edges having transverse, interfitting corrugations.

1,639,224. PROCESS OF MAKING SELVAGED-EDGED FABRICS. WILLIAM C. FISHER, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Aug. 14, 1922. Serial No. 581,848. 2 Claims. (Cl. 154—2.)



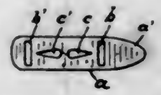
1. A process of making a plurality of endless fabric strips that comprises making a tubular blank piece of fabric having an upper ply, a binder, and a lower ply, dropping the binder threads thereof at spaced intervals to form edge forming portions of the upper and lower plies, cutting away said dropped binder threads, cutting the fabric blank through the edge forming portions to form individual strips and folding each edge portion of the upper and lower plies inwardly to form the selvaged edge and securing the folds and plies together at the edge portions.

1,639,225. EXPANSION JOINT FOR TURBINE AND CONDENSER CONNECTIONS. JOHN F. GRACE, Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 5, 1924. Serial No. 724,536. 6 Claims. (Cl. 285—90.)



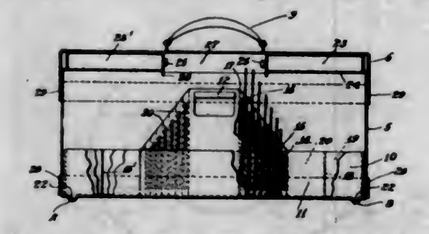
1. In an expansion joint, the combination with two spaced hollow members, of a supporting ring secured to each hollow member, a resilient member overlapping the supporting rings, a head at each end of the resilient member, the supporting rings each being recessed to receive one of the heads, a recessed clamping ring engaging each of the heads, bolts operable from one side of the joint for drawing the clamping rings and supporting rings together to secure the ends of the resilient member, and means operable from the same side of the joint for tensioning the resilient member whereby the resilient member will tend to assume its normal unstretched condition upon the expansion of the parts.

1,639,226. CONNECTER FOR GARMENT BANDS. JOSEPH A. HAINES, Philadelphia, Pa., assignor, by mesne assignments, to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 25, 1927. Serial No. 170,788. 5 Claims. (Cl. 24—73.)



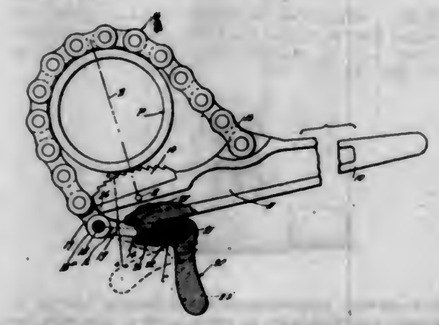
1. A connector for securing together the ends of an elastic band, the same comprising a metal plate provided near opposite ends with laterally extending orifices through which opposite ends of the band are adapted to be passed, the metal of the plate being cut away between said lateral orifices to allow opposite ends of the band to be passed through the plate and to afford edges tapering toward each lateral orifice and adapted to bind the band between them and secure it against accidental disengagement from the holder.

1,639,227. TOOL KIT. CHARLES L. LAWRENCE, New York, N. Y. Filed Jan. 24, 1925. Serial No. 4,408. 11 Claims. (Cl. 206—16.)



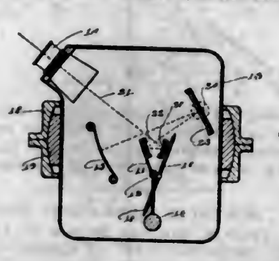
10. A tool box having a base portion divided into compartments, the central of said compartments being further divided into a series of spaced sub-compartments of different depths each sub-compartment adapted to receive vertically therein tools of different length.

1,639,228. TONGS. OLLYN A. LAYNE, Los Angeles, Calif. Filed May 24, 1924. Serial No. 715,523. 6 Claims. (Cl. 81—68.)



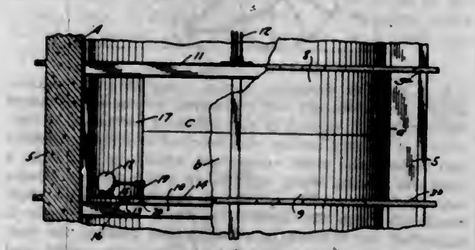
1. A wrench embodying a body member, a jaw, a chain connected at one end with the member, a locking lever connected to and carried by the other end of the chain and adapted to be moved into and out of locking position and into and out of locking engagement with the member, the lever being adapted to provide a handle for drawing the chain about given work before said lever is in engagement with the member, and coacting means on the lever and chain adapted to maintain the lever in locking position during such movement of the chain about said work.

1,639,229. LATITUDE INDICATOR FOR AIRCRAFT. GEORGE P. LUCKEY, Dayton, Ohio. Filed May 8, 1924. Serial No. 711,937. 21 Claims (Cl. 88—2.4.)



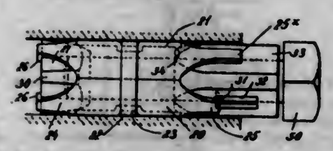
1. In a magnetic dip indicator, a support an established vertical and a magnetic needle mounted on said support, means to indicate the divergence between the needle and the vertical, and a universal mounting for said support.

1,639,230. GARAGE ELEVATOR. KENNETH MACDONALD, Jr., Los Angeles, Calif. Filed Feb. 10, 1926. Serial No. 87,273. 2 Claims. (Cl. 187—1.)



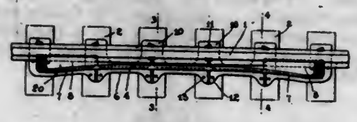
2. In a multiple floor building structure, the combination of a cylindrical hoistway having segmental cylindrical gates completely embracing the hoistway at a floor, and an elevator cage in said hoistway comprising a turntable platform provided with upstanding segmental cylindrical enclosures.

1,639,231. BOLT ANCHOR. JOHN EDWARD OGDEN, Mountainville, N. Y. Filed May 19, 1923. Serial No. 640,097. 15 Claims. (Cl. 85—2.8.)



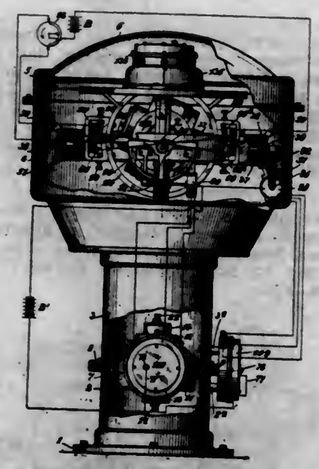
1. In combination, an expansion shield comprising a plurality of sections, each section having a plurality of longitudinally extending fingers at each end thereof, said fingers being tapered in width, and expanding elements disposed within said fingers.

1,639,232. GUARD-RAIL STRUCTURE. EBEN RAY PACKER, New Rochelle, N. Y., assignor to I. & C. Company, New York, N. Y., a Corporation of Maine. Filed Apr. 3, 1925. Serial No. 20,557. 8 Claims. (Cl. 238—19.)



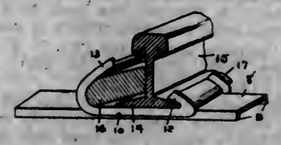
8. A guard rail structure comprising a head member having its end portions inwardly flared, a web portion and a base supporting structure consisting of a base flange having tie plate extensions adapted to underlie the track rail, said web portion, considered in a horizontal plane, being arched inwardly intermediate of the ties and for a distance substantially equal to the normal tie spacing and said arched portions being connected by longitudinally straight portions overlying the respective ties.

1,639,233. GYROSCOPIC APPARATUS. CLIFFORD M. PAXTON, Brooklyn, N. Y. Filed Oct. 15, 1921. Serial No. 507,969. 1 Claim. (Cl. 74—78.)



An inclinometer comprising a primary and secondary gyro and a universal joint connecting them, the primary gyro being mounted in gimbals universally balanced in neutral equilibrium; and the secondary gyro being supported by and depending from the primary gyro and said universal joint having its center substantially coincident with the center of motion of the gimbal mounting, in combination with means for repeating at a distance the relative angular movements of the gimbal pivots of the primary gyro.

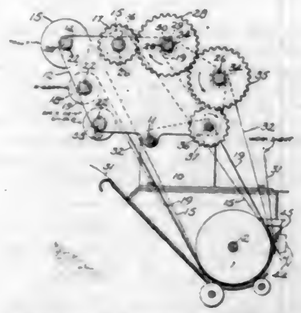
1,639,234. RAILWAY TIE. LEONARD SARGEANT, Fairmont, W. Va. Filed June 19, 1923. Serial No. 646,405. 2 Claims. (Cl. 238—10.)



1. A rail tie comprising a tie proper, a clip attached to the tie near one end, said clip extending laterally over the tie and having flanges to embrace the tie, and a bent

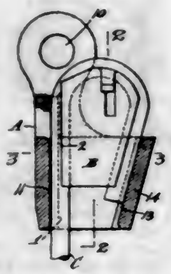
over end to embrace the flange on a rail, a loop on the other side of the rail from the clip and a wedge block resting in the loop and against the web of the rail.

1,639,235. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 29, 1924. Serial No. 728,828. 8 Claims. (Cl. 197—132.)



1. In a typewriting machine, the combination of a platen arranged to feed a work-sheet, tally-recording mechanism including individual means for drawing a tally-web, an inking web and a protective web around the platen, and line-spacing mechanism operative to line-space the platen and operatively connected to the tally mechanism to simultaneously effect a joint line-spacing movement of all the webs.

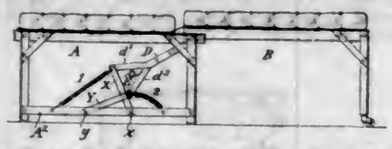
1,639,236. ROPE SOCKET. CHARLES C. SUNDERLAND, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a Corporation of New Jersey. Filed Nov. 17, 1926. Serial No. 148,808. 8 Claims. (Cl. 24—126.)



1. A rope socket, consisting of a plurality of members movable relatively to each other and arranged to grip a rope between them, and means for limiting the gripping pressure of said members on a portion of the gripped surface of the rope to distribute the load on different parts of the rope.

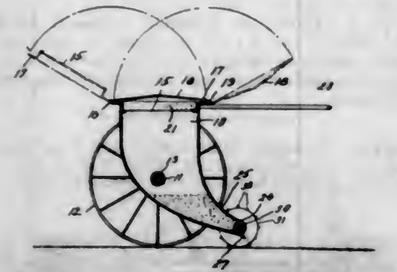
1,639,237. FOLDING BED. GEORGE F. SISSOWER, Flushing, and LOUIS E. PITTONI, New York, N. Y., assignors to Manhattan-Rome Company, Branch of Rome Metallic Bedstead Company, Long Island City, N. Y., a Corporation of New York. Filed Mar. 11, 1921. Serial No. 451,509. 4 Claims. (Cl. 5—22.)

1. A folding bed of the character described comprising a normally stationary section, a relatively movable section having legs to support the outer side thereof, said movable section being provided with a wire fabric mattress, a U-shaped truss bar having its ends pivotally connected to the inner edge of the movable section and to the outer sides of the end bars of said section to resist longitudinal tension of the said mattress fabric, bracket members secured to the inner sides of the ends of said truss bar, said bracket members having depending diverging branches at their lower ends, links pivotally connected to the ends of said branches and also pivotally connected with the stationary section, and springs each connected at one end of the stationary section and having its other end connected to a bracket branch at positions contiguous to the points of pivotal connection between said links and said branches.



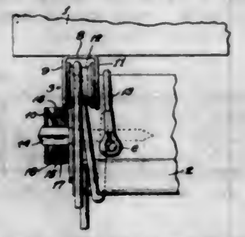
4. A folding bed having two relatively movable frames, wire mattress fabrics on the respective frames and a folding spreader bridging the gap between the two fabrics and secured to them respectively at its edges only.

1,639,238. PORTABLE SPREADING DEVICE. WILLIAM P. TARRANT, Saratoga Springs, N. Y. Filed Dec. 16, 1925. Serial No. 75,667. 2 Claims. (Cl. 275—2.)



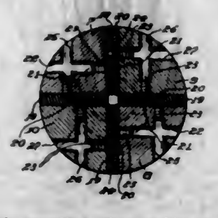
1. A portable spreading device, comprising a receptacle having a downwardly and rearwardly extending discharge outlet, an axle extending through said receptacle at the center of gravity thereof and adapted to tiltably support and balance the same, supporting wheels on said axle, a rotatable feeding shaft disposed in and normally closing said discharge outlet, wheels on the ends of said shaft engageable with the surface on which the receptacle is supported for rotating said shaft and feeding the contents of the receptacle through the discharge outlet, and a pusher handle attached to said receptacle for moving same along said surface and about said axle.

1,639,239. VENETIAN-BLIND TILTING-RAIL FIXTURE. ALPHONS TRINKAUS, South Pasadena, Calif., assignor to Western Blind & Screen Co., Los Angeles, Calif., a Corporation of California. Filed Apr. 12, 1926. Serial No. 101,360. 4 Claims. (Cl. 156—17.)



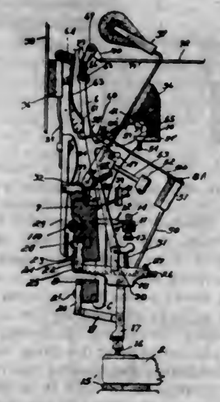
4. A combination with a Venetian blind header bar having a gudgeon fixed thereto; of a header bar support comprising a bracket formed of a single piece of metal bent to provide an attaching flange; and an outer side member bent downwardly at right angles to said flange; a strip integral with and spaced from said side member; an ear formed on said flange and extending parallel to and forwardly of said outer side member; a block disposed between said strip and side member; said gudgeon being non-rotatably mounted in said block; a washer disposed between said block and outer side member for regulating the frictional resistance of said block and a roller having bearings in said ear and outer side member and being disposed forwardly of said side member.

1,639,240. INSULATING FLEXIBLE SHAFT COUPLINGS. HENRY W. VAN LEER, Philadelphia, Pa. Filed Jan. 27, 1927. Serial No. 163,875. 8 Claims. (Cl. 64—91.)



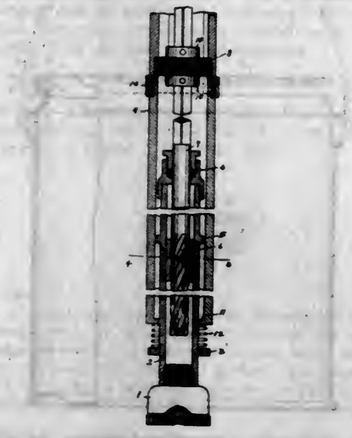
1. In a flexible coupling, the combination with two like coupling heads arranged complemental to each other, each with an axial opening therein to receive an end respectively of one of two substantially alined shafts, the adjacent faces of said heads being each provided with a series of spaced driving lugs, each lug on the face of one of said heads being located in the space between two consecutive lugs on the face of the other head, the adjacent sides of coacting lugs being parallel to each other and to a plane coincident with the axes of said heads, strips of substantially incompressible insulating material fitting into the spaces between each pair of coacting lugs, and removable means to secure each of said strips to the driving lugs in contact therewith on opposite sides thereof to secure said heads together as a unit construction.

1,639,241. CONTINUOUS-TONE PIANO ACTION. JAMES F. VEACO, Oakland, Calif. Filed June 24, 1925. Serial No. 39,184. 3 Claims. (Cl. 84—245.)



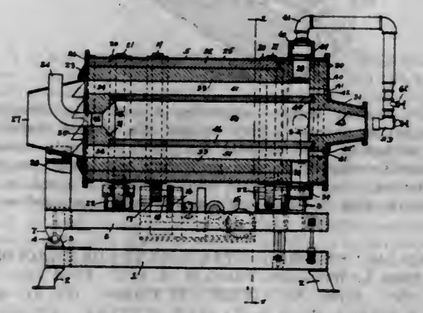
1. In a piano action, a key, wippen, damper lever, hammer and means connecting them for the usual playing operation, and a damper spoon adapted to be moved to bear upon a damper lever, said spoon being bent substantially at a right angle adjacent the damper lever, and bent substantially 180° at its opposite end, to be slidable into a hole in the front end of the wippen, whereby it may be adjusted to the proper position with respect to the damper from the front of the piano, and without removing the wippen therefrom.

1,639,242. ROTARY DRILL. ANTON VERSTEEG, Houston, Tex. Filed Oct. 21, 1922. Serial No. 596,114. 4 Claims. (Cl. 255—1.)



1. A well drilling apparatus including a drill bit, a tubular stem to the lower end of which the bit is attached, a stuffing box carried by said stem, a nut within the stem provided with internal coarse threads, an actuating rod working through said stuffing box and threaded through said nut, a reciprocable barrel to which the rod is attached and means for reciprocating the barrel in a well bore, and a yieldable cushion interposed between the barrel and stem.

1,639,243. ROTARY HEATING FURNACE. JACOB WEINTZ, Cleveland, Ohio. Filed Apr. 10, 1924. Serial No. 705,517. 2 Claims. (Cl. 263—34.)

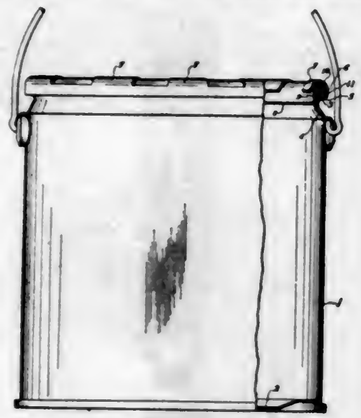


1. In a rotary heating furnace, an inclined rotary shell having a refractory lining, an inner cylinder of refractory material forming a central combustion chamber and an annular heating chamber, a series of beams between said inner cylinder and said lining and dividing said annular chamber into a series of longitudinal chambers, a pivotally-mounted framework for said shell and power means on said framework for rotating said shell.

1,639,244. CLOSURE FOR CONTAINERS. VIRGIL P. WENDLE and MARTIN L. HUNKER, Dover, Ohio, assignors to The Reeves Manufacturing Company, Dover, Ohio, a Corporation of Ohio. Filed Feb. 10, 1926. Serial No. 87,339. 4 Claims. (Cl. 220—59.)

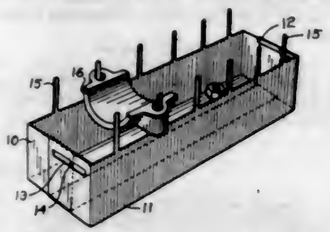
1. A container having a circumferential, inwardly disposed, convex seat adjacent to one end, tongues upon the extreme end of the container, and a cover adapted to

be positioned within the open end of the container, a peripheral flange upon the cover adapted to frictionally fit within said convex seat, a bead upon said flange and



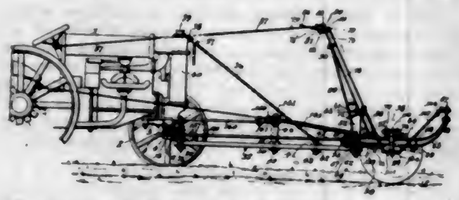
a gasket adapted to be compressed between the seat and bead, said tongue being adapted to be bent inwardly over said flange to retain the cover in position.

1,639,245. BEARING CAP AND WORK HOLDER. LESLIE E. WESTOVER, Denver, Colo. Filed Aug. 14, 1926. Serial No. 129,245. 4 Claims. (Cl. 29—89.)



3. A work holder comprising a container, upwardly projecting tongues formed on one side of said container, a projecting base on said container, an angle member slidably mounted on said projecting base, and upwardly extending tongues on said angle member adapted to cooperate with said first-mentioned tongues to support work.

1,639,246. STEERING ATTACHMENT FOR TRACTORS. FRED L. WILLRODT, Pukwana, S. Dak. Filed June 30, 1926. Serial No. 119,656. 17 Claims. (Cl. 97—49.)



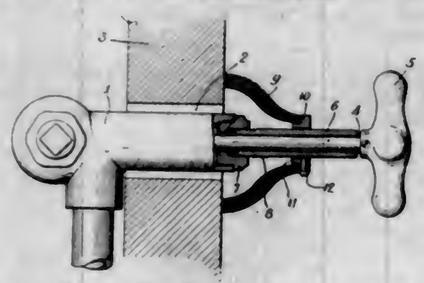
1. A steering attachment for tractors comprising a carrier extended forwardly of the tractor, a coupling structure between the rear end of said carrier and the front axle of the tractor and including a vertical and a horizontal pivot, a support secured to the forward end of the carrier, a pivoted guide means connected with said support and adapted to travel in a furrow to guide the tractor, a steering arm operated from the steering mechanism of the tractor and projecting forwardly therefrom, and a spring controlled controlling element for said arm, said element detachably connecting said arm with the carrier.

1,639,247. ROTOR BLADING FOR ROTARY ENGINES, PARTICULARLY FOR STEAM TURBINES AND GAS TURBINES. ALFRED ZOELLY and PAUL SPIESS, Zurich, Switzerland. Filed May 27, 1926, Serial No. 112,097, and in Switzerland May 28, 1925. 7 Claims. (Cl. 253—77.)



1. Rotor blading for rotary engines, particularly for steam and gas turbines, comprising at least two forms of blades having different frequencies of natural vibration and means to produce a resultant frequency of the blades which at practically normal speeds has no dangerous effect on the blading.

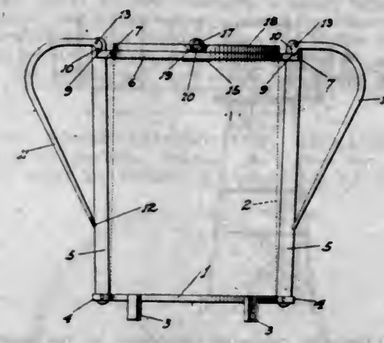
1,639,248. BATHROOM FIXTURE. JOHN G. ZOLLEIS, Philadelphia, Pa., assignor to Test-Tite Company, a Partnership consisting of Paul Panhorst and John G. Zolleis, Philadelphia, Pa. Filed Aug. 17, 1926. Serial No. 129,729. 6 Claims. (Cl. 137—111.)



1. A bathroom fixture, such as a valve, adapted to extend through an opening in a bathroom wall and capable of use with walls of different thickness to present a wholly smooth, finished and ornamental surface on the bathroom side regardless of the wall thickness, comprising a casing, a valve stem, and a packing means for the stem, the packing means including a smooth surface finished housing sleeve encircling the stem and extending from the casing to near the end of the stem, a substantially frusto-conical escutcheon encircling at its small end the sleeve and adapted at its large end to abut the wall, and a collar fitting the housing sleeve and abutting the end of the escutcheon to hold it in place, the collar having means to clamp the same to the sleeve in adjusted position.

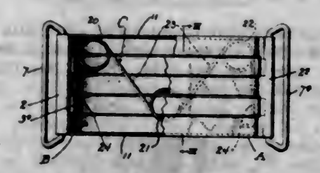
1,639,249. MILK-CAN HOLDER AND CONTENTS DISPENSER. ERNEST ALLEN, Groveland, Calif. Filed Sept. 29, 1926. Serial No. 138,390. 4 Claims. (Cl. 65—61.)

1. A can puncturing and dispensing device comprising a base member to form a support for a can, a plate to rest on the can, opposed spikes on the plate to puncture the top of the can, means between the plate and base for holding the two in frictional engagement with the can, said spikes having passages leading therethrough to the top of the plate, another plate superimposed and



turnably mounted on the spike plate and having openings therethrough to register with the spike openings, and a spout formed with said upper plate and projecting outwardly therefrom; said spout leading from an adjacent opening therein.

1,639,250. EXPANSIBLE BELT CONNECTER. JOSEPH E. ALM, San Francisco, Calif. Filed Dec. 22, 1926. Serial No. 156,272. 2 Claims. (Cl. 24—163.)



1. A device of the character described, comprising first and second-named link members slidable with relation to each other in a longitudinal direction, the first-named link member consisting of a head member and a cross bar connected by a plurality of interspaced front and rear link arms, the second-named link member also consisting of a head member and a cross bar connected by a plurality of interspaced front and rear link arms, the cross bar of the first-named link lying between the link arms of the second-named link and the cross bar of the second-named link lying between the link arms of the first-named link, and a spring member disposed between the link arms of the respective links and engaging the cross bars.

1,639,251. CIRCULATING-TUBE CONNECTION. JAMES F. ARTHUR, Dickson City, Pa. Filed Jan. 12, 1925. Serial No. 2,033. 2 Claims. (Cl. 285—48.)



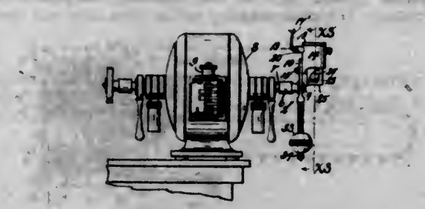
1. A circulating tube for hot water boilers comprising in combination a thin walled tube of uniform wall thickness throughout, provided with an outwardly extending shoulder portion forming an abutment, and a bushing of heavier metal positioned on one end of the tube, said abutment being spaced in from the end of the tube a distance equal to the length of the bushing, the end of the tube being expanded outwardly into engagement with the bushing, the abutment being positioned just beyond the inner end of the bushing and bearing against the extreme inner end of the bushing for holding the bushing in place on the tube, the bushing being exteriorly threaded and provided exteriorly with a portion to which a wrench may be applied, the threaded portion and the wrench receiving portion being located between the expanded end of the tube and the abutment.

1,639,252. CIRCULATING TUBE. JAMES F. ARTHUR, Dickson City, Pa. Filed Oct. 2, 1926. Serial No. 139,200. 4 Claims. (Cl. 137—111.)



2. A circulating tube comprising an exteriorly threaded bushing having an interior annular recess and an interior annular shoulder, and a thin walled tube, the end of which is inside the bushing against said shoulder and which is provided with an annular outwardly expanded portion in contact with the wall of said annular recess.

1,639,253. CENTRIFUGAL CASTING APPLIANCE. LOREN WILLIAM AYERS, San Bernardino, Calif. Filed Jan. 29, 1924. Serial No. 689,270. 1 Claim. (Cl. 22—65.)

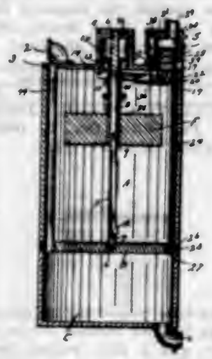


A centrifugal casting appliance set forth comprising a bar having one of its end portions flattened and the other end rounded and threaded, a balance ball threaded on said threaded end, said flattened end having a slot formed therein, a housing adjustably mounted in said slot; an inner housing within said housing and spaced therefrom; electrical coils between said inner and outer housings, a detachable electrical connection to said coils, a crucible casing in said inner housing, a crucible in one end of said crucible casing, a mold cylinder removably mounted in said crucible casing, and means to rotate said bar around an axis.

1,639,254. VACUUM TANK FOR MOTOR VEHICLES. THEODORE BOSSARD, Salt Lake City, Utah, assignor to National Products Incorporated. Filed Feb. 7, 1927. Serial No. 166,466. 2 Claims. (Cl. 103—236.)

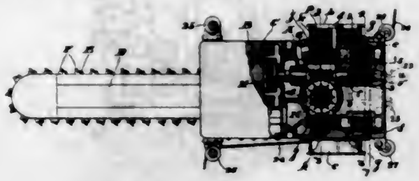
1. In a vacuum tank for automotive vehicles the combination of a casing, having two compartments therein connected by a valve-controlled opening; a float in the top compartment adapted to be raised and lowered by the level of the gasoline in said compartment; a rod on which said float is operated; a spring-operated catch in said rod; a spool carried on said rod above said float; a bifurcated pivoted lever arm having the free ends engaging with the edges of said spool and said lever being actuated by the movement of said spool and indirectly by the movement of said float; a valve in the opening between the two compartments; another lever arm mounted between the arms of the first-mentioned lever arm and pivoted on the same pivot pin, said arm adapted to open and close said valve between the two compartments; an

air valve operated by the other end of said last-mentioned lever arm, adapted to open and close an air port into the interior of said top compartment; and a suction control



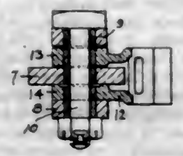
valve operated by said first-mentioned lever arm to control the suction in said upper tank created by the intake manifold of the vehicle.

1,639,255. COAL-CUTTING MACHINE. JOHN C. BRACKETT, New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 5, 1926. Serial No. 99,953. 7 Claims. (Cl. 262—30.)



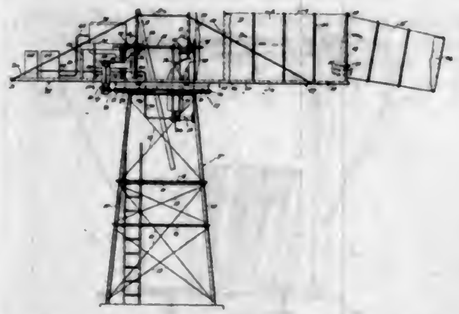
1. A coal cutting machine comprising, the combination of a main casing, a cutting element supported by the main casing, a motor in said casing for driving the cutting element, drums arranged co-axially on opposite sides of the casing, a feeding cable on one of said drums, a retarding cable on the other of said drums, fluid actuated gear motors for rotating the drums, and a fluid pump driven by the motor for supplying fluid under pressure to the gear motors.

1,639,256. BRAKE-HEAD SUPPORT. ARNOLD CHRISTIANSON and CHRISTIAN CHRISTIANSON, Hammond, Ind. Filed Jan. 14, 1926. Serial No. 81,194. 7 Claims. (Cl. 188—230.)



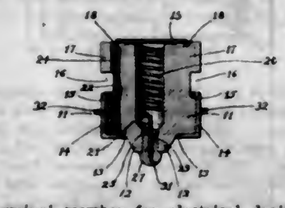
1. The combination with a brake lever and a brake head having a pair of axially spaced wings, of a pivot bolt extending through said lever and said wings, a holding plate supported by said bolt in axially spaced relation to the lever and one wing member, and a spring interposed between said holding plate and said lever for holding the lever in frictional engagement with one of said wings.

1,639,257. TEMPERATURE REGULATING DEVICE FOR ORCHARDS. EDWARD S. CONE, Los Angeles, Calif. Filed Jan. 3, 1927. Serial No. 158,539. 16 Claims. (Cl. 126—59.5.)



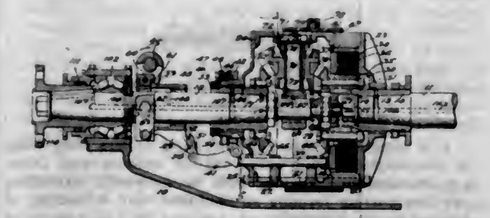
1. Plantation protecting apparatus of the character described, embodying a supporting structure extending to a point above the plantings to be protected, a substantially horizontal director mounted on top the structure and with its inlet orifice opening to the atmosphere, a propeller adjacent the inlet orifice and arranged for rotation about a horizontal axis, and means for driving the propeller; said director being adapted to direct air delivered to it by the propeller outwardly above the plantings to be protected.

1,639,258. ELECTRICAL DEVICE AND THE MANUFACTURE THEREOF. JOSEPH H. COHEN, Bridgeport, Conn. Filed Aug. 14, 1924. Serial No. 731,970. 6 Claims. (Cl. 219—32.)



6. A terminal member for electrical devices, comprising a metal plug having a wire clearance passage therethrough and adapted to fit within an opening in a body portion of electrical devices, said plug being adapted to be deformed to confine to itself, a wire passing through said wire clearance passage.

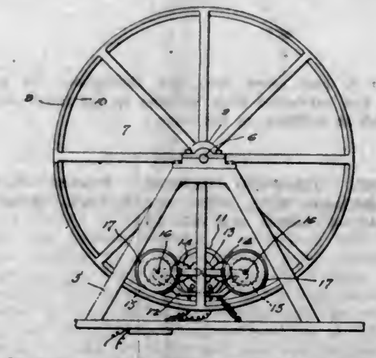
1,639,259. POWER-TRANSMISSION MECHANISM. CHARLES A. CRIQUI and ELWOOD T. LARKIN, Buffalo, N. Y.; said Larkin assignor to said Criqui. Filed Sept. 19, 1925. Serial No. 57,347. 4 Claims. (Cl. 74—34.)



1. A mechanism for transmitting power from a driving shaft to a driven shaft, comprising bearing sleeves secured to the opposing ends of said shafts, a bearing interposed between the front of the driven shaft and said

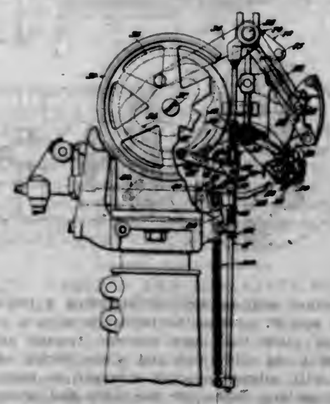
front bearing sleeve, a rotary carrier journaled on said bearing sleeves, a coupling sleeve splined on said front bearing sleeve, driving and driven gear wheels mounted on said coupling sleeve and said rear bearing sleeve, respectively, so as to turn therewith, a rotary carrier journaled on said bearing sleeves, a clutch for connecting and disconnecting said coupling sleeve and carrier, and an intermediate gear pinion pivotally mounted on said carrier and meshing with said driving and driven gear wheels.

1,639,260. POWER-TRANSMITTING MECHANISM. JOSEPH W. DEROCHE, Sanford, Me. Filed Oct. 1, 1926. Serial No. 139,008. 2 Claims. (Cl. 74—26.)



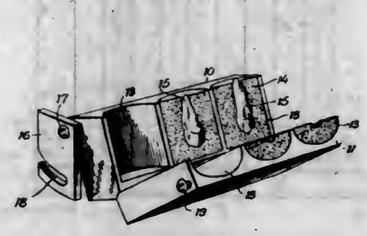
1. In a power transmitting mechanism of the character described, a supporting frame, a shaft mounted for rotation upon the frame, a pair of rims, a hub keyed to the shaft and to which said pair of rims are connected, said rims being in spaced relation to each other, rails provided on the inner faces of the rims, a power embodying means for said rim, said means consisting of an electrical motor, a frame for supporting said electric motor, traction wheels at opposite sides of the motor frame at the front and rear ends thereof in tranctional driving relation with the rails, and driving connections between the traction wheels and the electric motor.

1,639,261. THREAD-HANDLING MACHINE. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 11, 1920. Serial No. 388,199. Renewed Dec. 26, 1924. 14 Claims. (Cl. 112—32.)



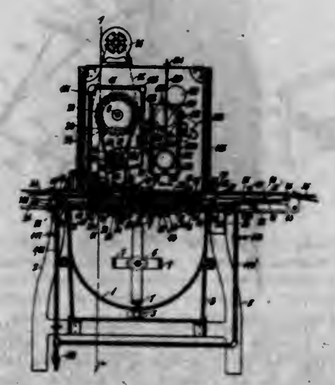
1. A thread handling machine comprising a cam shaft, needle mechanism actuated thereby including a single needle, and means under the control of the operator for operatively connecting the needle mechanism with the cam shaft and for thereafter automatically disconnecting the needle mechanism therefrom at a predetermined point in the cycle of operations with the needle withdrawn from the work to permit the work to be removed from the machine without stopping the operation of the cam shaft.

1,639,262. DENTAL MOLD. JOACHIM LUKS and JAMES MERCER GARNETT, Brooklyn, N. Y. Filed Mar. 26, 1926. Serial No. 97,761. 4 Claims. (Cl. 22—97.)



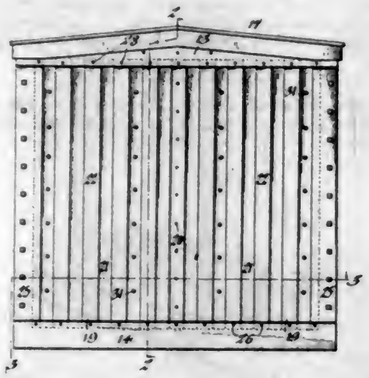
1. In dental molds, the combination of identical sections having corresponding recesses adapted to form pockets, a bevelled edge to each section and below the recesses, hinged members adjacent the bevelled edges, and a latch adapted to secure the sections together or to support the open mold in an upright position.

1,639,268. CONFECTIONERY-COATING MACHINE. JOHN MASSABELLA, Cincinnati, Ohio. Filed Apr. 3, 1922. Serial No. 549,151. 10 Claims. (Cl. 91—3.)



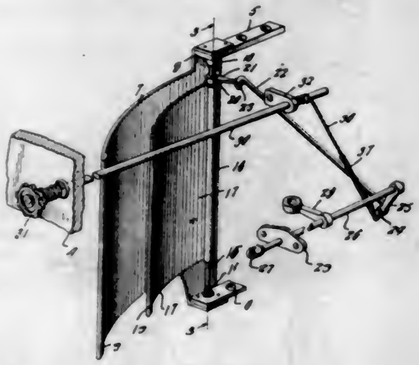
1. In a machine of the character described, a coating conveyor section and means for softening the coating material adjacent to this section, a distinct conveyor section removed from the direct influence of said softening means, receiving the confections from the coating section for hardening of the coating material thereon, a shield plate under the conveying portion of said distinct section, means near one end of said plate, against said distinct section, to remove surplus coating material tending to harden thereon, and softening means near said distinct section, within the extent of said plate, to modify the hardening action on the coating of the confections and on the coating material engaged by said removing means.

1,639,264. WALL STRUCTURE FOR RAILWAY CARS. JOHN MCMULLEN, Buffalo, N. Y. Filed July 30, 1925. Serial No. 47,036. 2 Claims. (Cl. 105—410.)



1. The combination with the upper and lower rails of a railway car body, of a sheet metal wall therefor including substantially parallel channel-ribs extending from end to end thereof and attached at their opposite ends to the inner sides of said upper and lower body-rails.

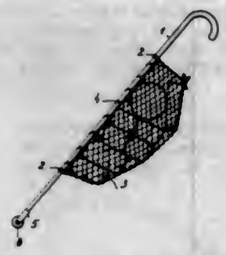
1,639,265. SPEED GOVERNOR. JOHN A. MILLER, Mount Crawford, Va., assignor of one-half to George N. Conrad, Harrisonburg, Va. Filed May 11, 1925. Serial No. 29,445. 14 Claims. (Cl. 264—14.)



1. A control mechanism comprising a fixed curved wing, a movable vane mounted in spaced relation to the fixed wing whereby a current of air between the vane and wing forms an air cushion, the movable vane being of the same general contour as the fixed wing, a control element, a linkage connecting the movable vane to the control element, a spring adapted to regulate the movement of the movable vane and means for increasing or retarding the action of the spring.

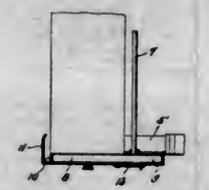
1,639,266. HAND CARRYING DEVICE. KAROLINE MOELLER, Eberswalde, Germany. Filed Mar. 5, 1927, Serial No. 172,948, and in Germany Feb. 5, 1926. 2 Claims. (Cl. 280—58.)

1. A hand carrying device consisting of a stick provided with a handle at its upper end and a roller at its lower end, two separated fittings secured to said stick between its upper and lower ends, a bag of network and a string passed at intervals through said bag and tightly around said stick between said separated fittings and secured to said fittings in such a manner that the bag is



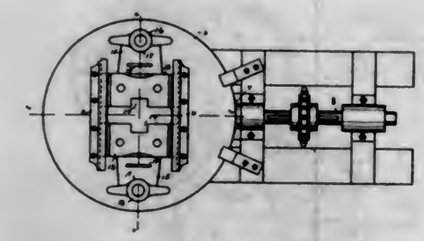
secured to and below the stick throughout its entire length and prevented from slipping to the lower end of the stick or oscillate on the same.

1,639,267. THAWING DEVICE. WARNER PALMER, Meadowlands, Minn. Filed Apr. 3, 1926. Serial No. 99,540. 5 Claims. (Cl. 137—72.)



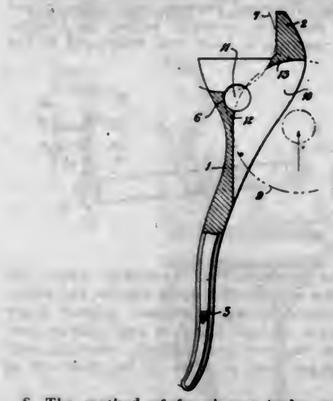
1. In a thawing device for radiators provided with overflow pipes, a steam pan adapted for arrangement upon the lower side of a radiator and for communication with the overflow pipe of the radiator, the front wall of the pan being provided with steam discharge openings and means for directing the steam upwardly after passing through said openings so that the same may be drawn through the radiator by suction.

1,639,268. ROTARY. LUTHER PATTERSON, Harris County, Tex., assignor to Howard F. Smith, Harris County, Tex. Filed May 16, 1924. Serial No. 713,826. 2 Claims. (Cl. 255—23.)



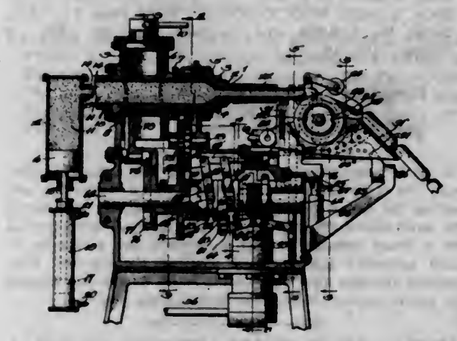
1. A rotary drilling machine including a rotary table having a central opening to receive a pipe, a track on said table, plate like jaws movable toward and from each other along said track and whose facing edges are provided with aligned notches arranged to form a pipe receiving opening, posts on the table and space blocks fitted between the respective posts and the corresponding jaws.

1,639,269. METHOD OF MAKING TOOLS. KARL POTSCHNER, Dover, Ohio. Filed Apr. 26, 1924. Serial No. 709,303. 10 Claims. (Cl. 76—101.)



8. The method of forming a tool part, which consists in providing a blank comprising a frame portion having a jaw formed at one end and a handle formed at the other end thereof, forming a transverse hole in said frame portion at a predetermined point, slotting the frame portion from opposite sides in a plane at substantially right angles to the hole, the cuts substantially meeting or overlapping one another and the transverse hole, and cutting away triangular portions of metal adjacent to the point where the cuts meet and adjacent to the points where the cuts meet the transverse hole.

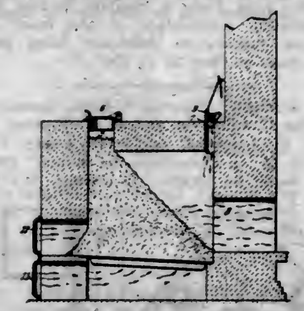
1,639,270. SAUSAGE-MAKING MACHINE. WILLIAM H. POTTER, Chicago, Ill. Filed Feb. 6, 1925. Serial No. 7,847. 19 Claims. (Cl. 17—34.)



1. The combination with an open ended hollow spindle free to receive a casing thereon and to permit the casing to project and be pulled therefrom; of mechanism for passing material into the spindle and into the projecting portion of the casing; a wheel positioned to be turned by the filled portion of the casing in passing; and intermittently functioning mechanism for successively marking the portion of the casing passing from the spindle and operated by said wheel in turning.

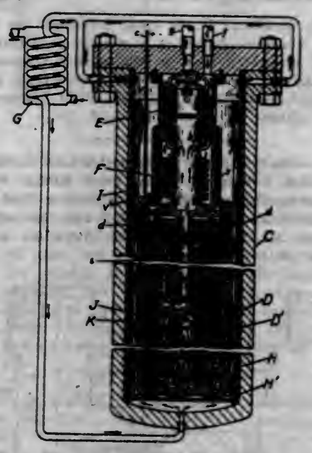
1,639,271. PROCESS AND APPARATUS FOR BURNING CLAY PRODUCTS. JOSEPH ASHBY REAMS, Richmond, Va., assignor to Fulton Brick Works, Richmond, Va., a Corporation of Virginia. Filed Dec. 2, 1926. Serial No. 152,156. 4 Claims. (Cl. 25—151.)

1. A kiln furnace of the type having a fuel-grate, a shovel-stoking-door, and a rear flame-exit leading to the kiln, the top wall of said furnace being provided with a fuel-charging passage, this passage having a closure device adapted to be opened or closed, said fuel-charging passage being located adjacent the front wall of the furnace, a supplemental air-supply passage being provided



at the rear of the furnace positioned to deliver air into the combustion-chamber at the inlet of the flame passage, this supplemental air-passage being provided with an adjustable closure device.

1,639,272. PROCESS FOR THE DIRECT SYNTHESIS OF AMMONIA. FORREST C. REED, Easton, Pa. Filed Jan. 21, 1926. Serial No. 82,823. 17 Claims. (Cl. 23—199.)

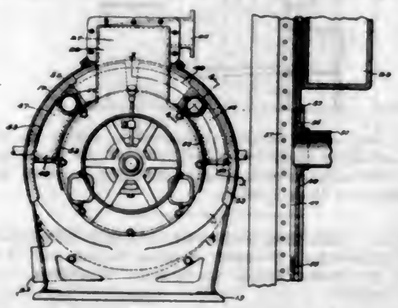


1. The process of producing ammonia by passing at a high temperature (500° C. and under) a gaseous mixture containing nitrogen and hydrogen over suitable catalytic agents arranged in series and removing at a lower temperature ammonia contained in the gases leaving each catalyst and then again passing the gases leaving the last catalyst of the series from which ammonia has been removed over the series of catalysts in like manner while carrying out the process continuously under substantially constant pressure (400 atmospheres and under) and replacing the quantity of ammonia removed from the gases during each passage over the series by a fresh quantity of nitrogen and hydrogen.

5. The process of producing ammonia by the synthesis of its elements, in the presence of a catalyst, which comprises passing a mixture of nitrogen and hydrogen gas over a suitable catalytic body at an elevated pressure and temperature, said catalytic body being so formed and divided into an inner and an outer body causing the gas to flow from the outer body to the inner body and proportioning the volumes of the two bodies of catalyst in such a manner that the heat generated in the outer body of catalyst, in excess of the heat absorbed by the incoming gases and that radiated and conducted out-

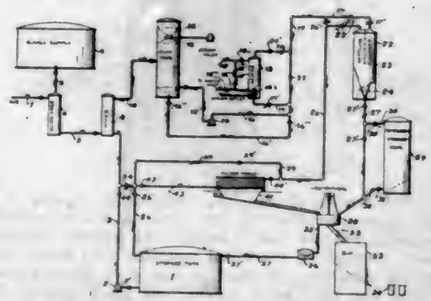
wardly and carried inwardly is less than the total heat generated in, radiated to and conducted to the inner body of catalyst, so that the average operating temperature of the outer body of catalyst is less than the average operating temperature of the inner body of catalyst, this temperature difference being preferably within the range of from 50 to 150° C.

1,639,273. SCREEN. HAROLD J. REED, Nashua, N. H., and CLAUDE L. SPAFFORD, Sherbrooke, Quebec, Canada, assignors to Improved Paper Machinery Company, Nashua, N. H., a Corporation of Maine. Filed Apr. 1, 1925. Serial No. 19,820. 15 Claims. (Cl. 92—34.)



8. In an apparatus of the class described, the combination with a screen drum, of a casing, a tailings space, a vertical elongated slot in the casing communicating with the tailings space, and an adjustable plate overlying the slot and containing a tailings outlet communicating with the tailings space through said slot.

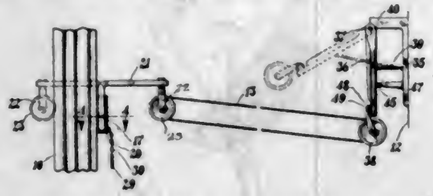
1,639,274. PROCESS OF PREPARING AN ADSORBENT FOR OILS. WIRT D. RIAL and EARLE W. GARD, Wilmington, Calif. Original application filed Sept. 8, 1925, Serial No. 55,007. Divided and this application filed Apr. 26, 1926. Serial No. 104,540. 6 Claims. (Cl. 252—2.)



1. The process of preparing an adsorbent for hydrocarbon oils which consists in mixing with petroleum hydrocarbons an alkali dissolved in water in vigorously agitating the mixture of petroleum hydrocarbons and dissolved alkali, in mixing clay with the mixture of petroleum hydrocarbon and the dissolved alkali, in separating from the mixture the excess petroleum hydrocarbon, and in then recovering the treated clay.

1,639,275. CLOTHESLINE SUPPORT. ALBERT RUSSO and JOSEPH RUSSO, Brooklyn, N. Y. Filed Oct. 29, 1924, Serial No. 746,490. Renewed June 23, 1927. 2 Claims. (Cl. 68—3.)

1. A clothesline support comprising a frame, a main hollow arm pivoted to said frame closed at its lower end, a spring having one end fastened to said arm, and the other end to said frame, normally urging said arm to a vertical position, said main arm having a slot therein, a plunger and a plunger rod slidably mounted in said hollow arm, a spring interposed between said plunger and the lower end of said arm, normally urging the plunger and plunger rod upwards, a lever arm fulcrumed to the



main arm having a short beak extending above the plunger and holding said plunger down against the action of said last-mentioned spring, a ratchet toothed finger on said frame and a toothed finger on said plunger rod, projecting through the slot and normally engaging said ratchet toothed finger, and a pulley at the free end of said lever arm.

1,639,276. ROADWAY CONSTRUCTION. AUGUST E. SCHUTTE, Northboro, Mass. Filed July 29, 1922. Serial No. 578,502. 2 Claims. (Cl. 94—23.)

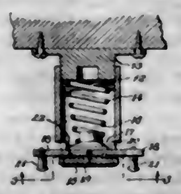
1. That method of uniting a bituminous coating to a concrete roadway surface which consists in applying said coating to said surface and raising it to a temperature approximating its flash point and maintaining it at such temperature for a short period of time whereby a portion of it will penetrate said surface and the remainder will form a protective coating therefor.

1,639,277. REMOVABLE-BARREL MOUNTING FOR AUTOMATIC FIREARMS. CESARE SONCINI, Brescia, Italy, assignor to Societa Italiana Ernesto Breda, Milan, Italy, a Joint Stock Company. Filed June 17, 1926. Serial No. 116,659, and in Italy June 20, 1925. 8 Claims. (Cl. 42—75.)



8. In a removable barrel mounting for automatic firearms, the combination, with a barrel; of a sleeve for connecting the barrel to the fire-arm and wherein the barrel fits, said sleeve having a large longitudinal top opening and a front opening shaped to permit the barrel to be tilted upwardly into inclined position therein and then removed through the top opening; and means for locking the barrel against movement into tilting position.

1,639,278. SHADE-ROLLER FIXTURE. SIDNEY J. WHARTON and DIAL R. PEEVEY, Burkburnett, TEX. Filed Dec. 31, 1926. Serial No. 158,292. 4 Claims. (Cl. 24—115.)



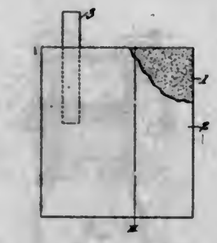
1. A shade roller fixture, comprising a casing, a jaw member within the casing and having portions projecting through and beyond opposite sides thereof and a spring within the casing and normally exerting an outward pressure upon the jaw member.

1,639,279. WEARING RING FOR ROTARY ELEMENTS. GEORGE J. WINKLE, Philadelphia, Pa., assignor to The Frederick Iron and Steel Company, Frederick, Md. Filed May 16, 1923. Serial No. 639,324. 8 Claims. (Cl. 286—7.)



3. In a rotary machine, a bearing, a cylindrical surface co-axial with said bearing, a rotating element comprising a shaft revolubly mounted in said bearing, a cylindrical surface co-axial with said shaft, a ring carried by said last named cylindrical surface having an annular groove eccentric thereto, and means extending into said groove for preventing axial displacement of said ring on said rotating element.

1,639,280. STORAGE CELL AND ELECTRODE THEREFOR. RAYMOND C. BENNER, Bayside, and HARRY F. FRENCH, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed Aug. 11, 1922. Serial No. 581,203. 4 Claims. (Cl. 136—36.)



1. Process of making storage batteries, comprising shaping bodies of active material, fitting said bodies in spaced relation into a frame to close the lateral openings therein, applying a metal to the exterior surfaces of the bodies to form a conductive coating impermeable by liquid, and placing electrolyte in the space between the bodies.

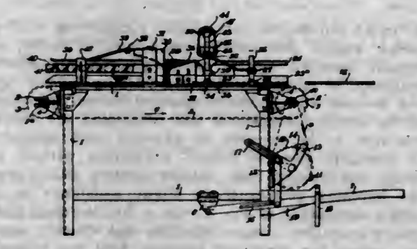
1,639,281. PAPER BOX AND THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Feb. 19, 1926. Serial No. 89,472. 2 Claims. (Cl. 206—44.)

1. A display box including in combination with a body having an open top, a separate pedestal comprising a top, an end and opposite side walls free on bottom and rear edges, attached thereto, the top wall having a joining flap extension for securing the pedestal to the bottom of the box adjacent an end thereof, the pedestal being hinged at the rear of said extended portion and



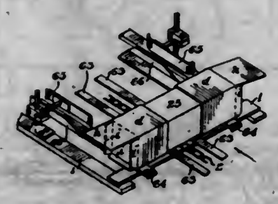
adjustable relative to said end over the top of the box as the box is closed and under said end as the box is opened to support the same at an angle for displaying its contents.

1,639,282. BOX-SEALING MACHINE AND THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed June 21, 1926. Serial No. 117,351. 5 Claims. (Cl. 93—2.)



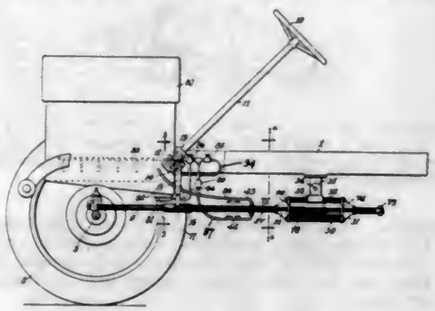
1. A box sealing machine including in combination with means for moving boxes progressively with their lids and sealing flaps raised, devices for rendering the sealing flaps adhesive, guides acting to lower the lids and to direct the sealing flaps to said devices, a guide acting on the lids after the sealing flaps have been rendered adhesive for raising the flaps above the edges of the adjacent sides of the boxes, guides for deflecting said flaps into the plane of the boxes, a guide for fully closing said lids with the sealing flaps inside the boxes, and pressure devices acting on said flaps for sealing the boxes.

1,639,283. BOX-MAKING MACHINE AND THE LIKE. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed July 14, 1926. Serial No. 122,293. 3 Claims. (Cl. 93—44.)



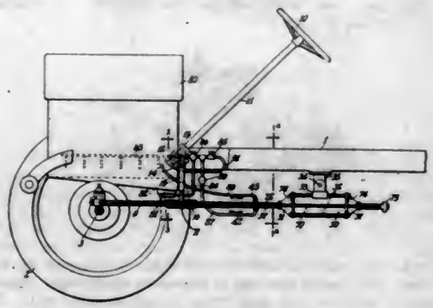
1. A box making machine including a box carrier for moving box blanks through a sequence of forming operations, a series of box supporting forms movable with the box carrier, said forms being adapted to have initially formed box members of sizes adapted to be arranged telescopically one with the other positioned thereon oppositely one of the other with sealing flaps extended, means acting to fold certain of said flaps, in rendering other flaps adhesive and folding the same over the first folded flaps, and pressure means coacting with said forms to effect adhesion between the flaps.

1,639,284. STEERING MECHANISM FOR AUTOMOTIVE VEHICLES. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Nov. 1, 1924. Serial No. 747,271. 15 Claims. (Cl. 180—80.)



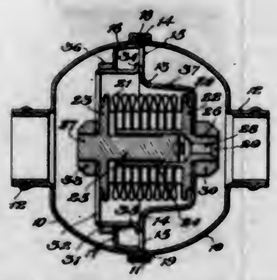
1. In an automotive vehicle, the combination with the steering wheels and steering mechanism therefor, and manually operated control mechanism for said steering mechanism, of oppositely disposed yielding devices interposed between the manually operated control mechanism and the steering mechanism and permitting the steering mechanism to be operated by physical force applied to said manually operated control mechanism without materially compressing said yielding devices under conditions imposing comparatively slight resistance to the steering movements of the wheels, a double acting power actuator operatively connected with said steering mechanism, means for supplying pressure fluid for operating said actuator, a reversing valve mechanism for said actuator, and operative connections from the valve mechanism to the manually operated control mechanism adapted to be brought into operation to effect the operation of the steering mechanism by the actuator when said yielding devices are compressed to a predetermined extent.

1,639,285. POWER ACTUATOR. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Original application filed Nov. 1, 1924, Serial No. 741,271. Divided and this application filed Mar. 3, 1926. Serial No. 92,089. 11 Claims. (Cl. 121—41.)



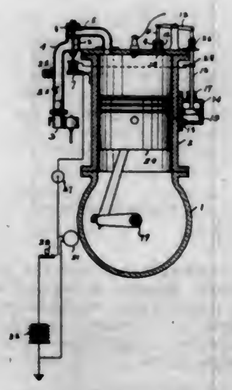
2. In an automotive vehicle provided with an internal combustion engine, and a forced feed lubricating system therefor, including a pump and oil circulating passages connected therewith, of a power actuator including a cylinder and a piston working therein, an actuated part connected with the piston, and reversing valve mechanism, said oil circulating system including a by-pass for returning excess lubricating oil to the pump without passing through the lubricating passages, and provided with a pressure regulating valve interposed between said by-pass and the pump, and connections between said by-pass and the reversing valve mechanism of the actuator for supplying motor liquid therefor, whereby the supply of motor liquid to the actuator will be excess oil beyond the normal requirements of the engine.

1,639,286. TEMPERATURE REGULATOR. WILLIAM W. CARSON, Jr., Knoxville, Tenn., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn., a Corporation of Delaware. Filed Dec. 27, 1926. Serial No. 157,344. 15 Claims. (Cl. 236—34.)



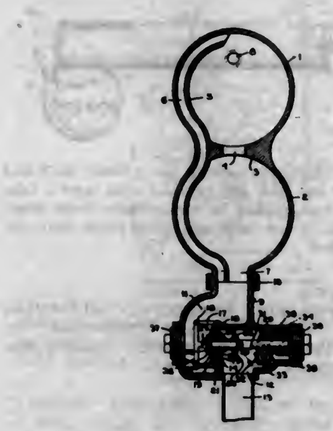
1. In a thermostatically controlled valve mechanism, in combination with a casing, a thermostat support mounted within said casing, a thermostat mounted on said support, a valve member operatively connected to said thermostat and adapted to seat against said support, a member surrounding said valve member, and a second valve member carried by said first valve member and adapted to seat against said surrounding member to prevent flow around said valve members.

1,639,287. INTERNAL-COMBUSTION MOTOR. ZEB W. DAVIS, Houston, Tex. Filed Sept. 8, 1925. Serial No. 55,062. 4 Claims. (Cl. 123—90.)



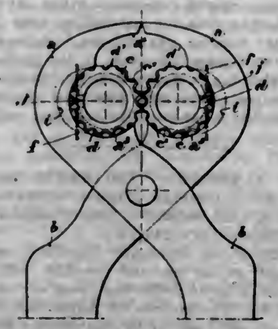
1. An internal combustion motor including a cylinder having an intake and an exhaust manifold, valves controlling said manifolds, means for actuating the exhaust valve, an electromagnet associated with the intake valve and adapted, when energized to hold the same in open position, an electrical circuit into which the magnet is connected and a switch associated with the valve actuating means through which the circuit may be alternately completed and broken.

1,639,288. FLUSHING MECHANISM. LIBORIO G. GIARDINO and JOSEPH F. GIARDINO, Brockton, Mass. Filed Nov. 17, 1924. Serial No. 750,260. 3 Claims. (Cl. 4—26.)



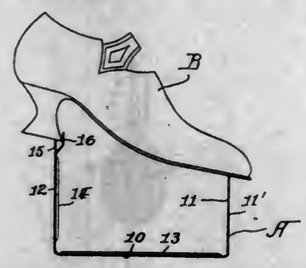
1. A flush tank construction comprising a closed reservoir having rigid walls, an intake for liquid under pressure communicating with said reservoir below the top thereof and a delivery conduit, a valve casing having an inlet chamber communicating with said delivery conduit and an outlet, an air conduit leading from the upper portion of said reservoir to said inlet chamber, a wall separating said inlet chamber from said outlet having a port and a valve for said port and means for actuating the same.

1,639,289. NAIL AND LIKE STRAIGHTENING DEVICE. HENRY WILLIAM HAEGLER, Lyon, France. Filed Aug. 12, 1922, Serial No. 581,424, and in Germany Mar. 29, 1922. 12 Claims. (Cl. 153—39.)



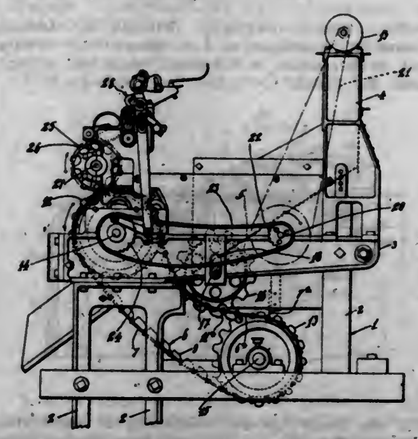
1. A device of the character described comprising a pair of fluted rollers, a pair of operating jaws having cylindrical recesses extending throughout said jaws into which said rollers can be admitted from both sides and in which they can be supported for pressing the rollers to articles inserted between them, and means for retaining the rollers in their respective jaws in various positions of rotary adjustment.

1,639,290. SHOE-DISPLAY STAND. BLAINE H. HARRIS, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 23, 1924, Serial No. 688,003. Renewed May 18, 1927. 1 Claim. (Cl. 211—24.)



A display support for a shoe, including a support formed of thin sheet material comprising a flat base portion having reinforcing grooves therein, supporting members extending at right angles to said base portion, weakened portions formed between said base portion and said supporting members so as to permit easy bending of said supporting members with reference to said base portion, a heel rest comprising a tongue cut out and bent inwardly from one of said supporting members and the other of said supporting members having a concave edge.

1,639,291. BRANDING MACHINE. FRANK HAYES, El Monte, Calif., assignor to California Walnut Growers Association, Los Angeles, Calif., a Corporation of California. Filed Jan. 27, 1926. Serial No. 84,032. 11 Claims. (Cl. 101—37.)

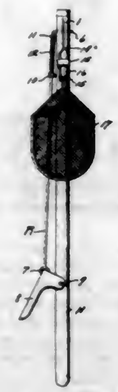


1. In an apparatus of the class described, the combination of an inclined chute, an oppositely inclined conveyor having a plurality of removable blocks, each of which blocks is provided with a plurality of independent recesses forming nut receiving cups, and a pair of side chains to which the blocks are removably secured, means for driving the conveyor, and a printing mechanism supported in position adjacent the conveyor.

1,639,292. FLY SWATTER. NORTON T. HENDRICKSON and CHARLES ROHOLT, Hoople, N. Dak. Filed Nov. 30, 1926. Serial No. 151,728. 3 Claims. (Cl. 43—135.)

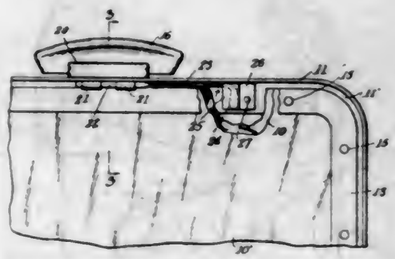
1. A device of the class described comprising an elongated handle member, a plate pivotally engaged with said handle member, a striking element operatively en-

gaged with the plate, said plate having a slot, a rod extending along the handle member and operatively engaged through the slot of the plate whereby movement of the rod in one direction will swing the striking element outwardly and movement in the opposite direction will swing



said striking element inwardly, a hand grip pivotally engaged with the handle member and with which the rod is operatively engaged, and means for constantly urging the rod in a direction to maintain the striking element at the limit of its inward movement.

1,639,293. BAG FASTENER. WILLIAM C. HIERING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Dec. 2, 1925. Serial No. 72,645. 2 Claims. (Cl. 292—228.)



1. A bag frame fastener comprising in combination with a pair of hinged bag frames of L shaped cross section, an elongated knob pivoted on one of said frames and a stud on the other frame engageable by said knob, flattened loops on said knob extending through the frame, a torsional element having a flattened portion engaged in said loops, said torsional element having a flattened, angularly bent opposite end portion, and a clip anchor secured to said frame to retain the bent end of said torsional element thereagainst.

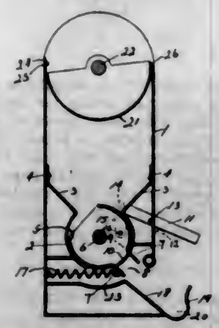
1,639,294. SPRAYER. HERBERT D. HUDSON, Minneapolis, Minn. Filed Jan. 24, 1925. Serial No. 4,440. 2 Claims. (Cl. 299—88.)

1. A sprayer comprising a pump having a piston and cylinder, the cylinder having a head with an orifice therein, a tank having a seat formed in its wall to receive a portion of substantial arcuate extent of the lower side only of the pump cylinder, the under side only of the forward end of the pump cylinder being fitted into the seat and soldered thereto, a drip cup fitting against the side



of the tank and the lower half of the cylinder head and fastened to both the tank and cylinder head, and a tube extending from the opening in the cylinder head down through the side of the tank and to a point near the bottom of the tank.

1,639,295. AUTOMATIC CIGARETTE-DELIVERING CONTAINER. CHARLES JESNIG, Philadelphia, Pa. Filed July 1, 1924, Serial No. 723,522. Renewed May 28, 1927. 3 Claims. (Cl. 211—8.)

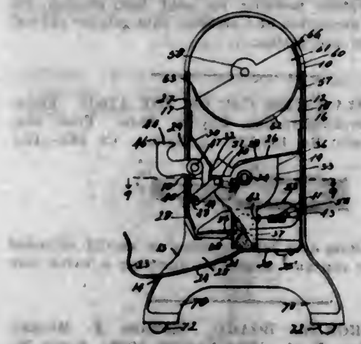


1. A cigarette delivering device comprising a casing, a cradle housing within the casing provided with inwardly projecting reduced sections, an oscillating cradle mounted in the housing, spaced depending wings carried by the cradle and having slots for registration with the reduced sections of the housing whereby the lowermost cigarette will be separated from the others in the cradle when the latter is oscillated, and means disposed beneath the cradle and fashioned to retain said lowermost cigarette in the space between the wings until the cradle is oscillated.

1,639,296. AUTOMATIC CIGARETTE-DELIVERING CONTAINER. CHARLES JESNIG, Philadelphia, Pa. Filed Mar. 6, 1925, Serial No. 13,510. Renewed May 28, 1927. 5 Claims. (Cl. 211—8.)

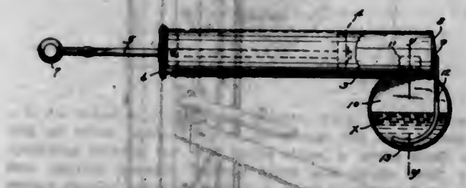
1. A device of the character described comprising a container open at the top and provided with an outlet at the bottom, a shelf projecting from one of the walls of the container intermediate its height and terminating short of the opposite side of the container, a baffle carried by the opposite wall of the container and projecting toward the shelf terminating short thereof to leave a passageway between said shelf and baffle, a cradle swingingly mounted below the shelf to receive cigarettes passing through the space between said shelf and baffle, an open ended spout depending from said cradle to hold cigarettes in a single vertical stack, means normally closing the lower end of said spout, which means terminates in a tray outside of the container, means to oscillate the cradle whereby the lower end of the spout will be moved away from the means normally closing it to permit a

cigarette to roll therefrom onto the tray, means projecting into the spout to separate the lowermost cigarette from the others in the cradle to prevent said other



cigarettes descending during the oscillation of the cradle, and means tending to hold the cradle in its normal or upright position.

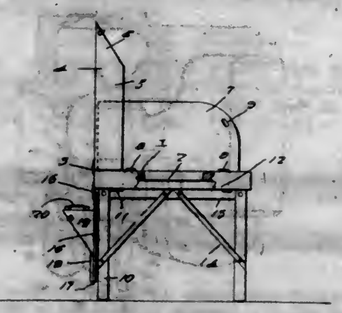
1,639,297. SPRAYER. ANTON W. KEGLER, Minneapolis, Minn. Filed Dec. 6, 1923. Serial No. 678,880. 3 Claims. (Cl. 299—88.)



1. A sprayer comprising a pump piston and a cylinder of uniform bore from end to end, the pump cylinder having a cylinder head with a single open orifice near its center, a cylindrical tank with its axis extending transversely of said pump cylinder and having a seat formed in the cylindrical wall of the tank of substantial arcual extent to receive a portion of the head and the lower side of the pump cylinder, the cylindrical wall of the tank extending a substantial distance above the lower portion of the pump cylinder and the head and being in contacting relation with the outer face of said head and soldered to said cylinder and head, a liquid delivery tube extending from near the bottom of the tank upwardly to said orifice and along the outer wall of the pump cylinder head and soldered thereto, the lower end of the tube extending close around the inner wall of the tank, and a substantial distance rearwardly of a line drawn perpendicularly downwardly from the axis of the pump cylinder through the axis of said tank.

3. A sprayer comprising a pump piston and a pump cylinder of uniform bore throughout its length, a head for the cylinder with a single open orifice therein, a cylindrical tank having its axis extended transversely of said pump cylinder and having a hole cut out in the cylindrical wall of the tank to receive a portion of the lower side of the pump cylinder and its head, said hole forming for the pump cylinder and head a seat of substantial arcual extent with the under side and head of the cylinder fitted into the hole with the outer face of the head in abutting relation to the tank wall, said cylinder and head soldered to the cylindrical wall of the tank, a liquid delivery tube extended from near the bottom of the tank upwardly to said orifice along the outer wall of the cylinder head and soldered thereto, the lower end of the tube extending closely to the inner wall of the tank and a substantial distance rearwardly of a line drawn perpendicularly downwardly from the axis of the pump cylinder through the axis of the tank.

1,639,298. FOLDABLE, PORTABLE NURSERY CHAIR. HARVEY A. KEIM, Naponee, Nebr. Filed Mar. 19, 1926. Serial No. 95,945. 3 Claims. (Cl. 155—31.)



2. A foldable chair comprising a board, a flanged back hingedly connected to the board at the upper surface thereof and at one end thereof, side boards hingedly connected to the first-named board, one at each side thereof at the upper surface thereof and swingable between the flanges of the back, foldable supporting means on the under surface of the first-named board, and closure means hingedly connected with the first-named board at said one end thereof and at the lower surface thereof and adapted to enclose the foldable supporting means and to be detachably connected with the flanges of the back when said back is folded down over the board to hold the side boards folded down thereover.

1,639,299. TEMPERATURE REGULATOR FOR INTERNAL-COMBUSTION ENGINES. JAMES A. KINNARD, Detroit, Mich., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Jan. 22, 1926. Serial No. 83,153. 20 Claims. (Cl. 236—34.)

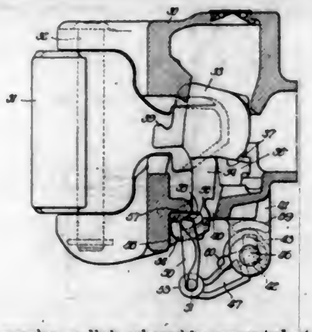


1. In a temperature regulating system for internal combustion engines comprising a hose line between the engine jacket and the radiator, the combination of a casing interposed in the hose line, a thermostat supported thereby in the axis of the hose line, a rectilinearly movable valve operatively connected to said thermostat, and means supprting said thermostat and cooperating with said valve to enclose said thermostat and protect it from the pressure in the hose line when the valve is closed.

1,639,300. COUPLER MECHANISM. EDMUND P. KINNA, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 27, 1926. Serial No. 137,882. 17 Claims. (Cl. 213—127.)

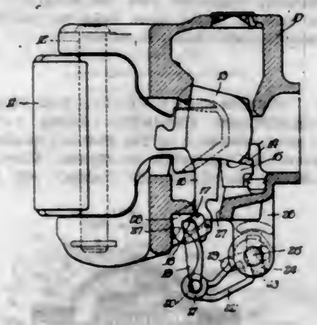
1. In coupler mechanism having a swingable knuckle and a lock for said knuckle, means for transmitting an operative movement to the coupler lock comprising a ro-

tatable member supported by the coupler head, a lifter arm releasably connected to and disconnectable from said rotatable member by a movement at an angle to said



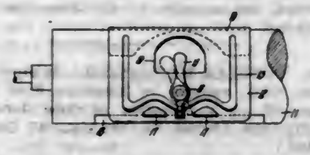
rotatable member, a link releasably connected at its upper end to said coupler lock and at its lower end to said lifter arm, and means for housing one of said latter connections for normally locking both of same against disconnection.

1,639,301. COUPLER MECHANISM. EDMUND P. KINNE, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 7, 1926. Serial No. 139,964. 2 Claims. (Cl. 213—167.)



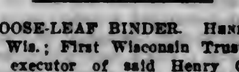
1. In coupler mechanism having a movable lock, the combination of a rotary member for transmitting operating movement to the coupler lock, a bracket, and an operating rod supported by said bracket and extending and connected to said rotary member for rotating the latter for operating the coupler lock, said operating rod having a handle with an offset portion tending the prevent a swinging movement of said rod which would release the coupler anticreep.

1,639,302. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 24, 1925. Serial No. 58,275. 12 Claims. (Cl. 191—136.)



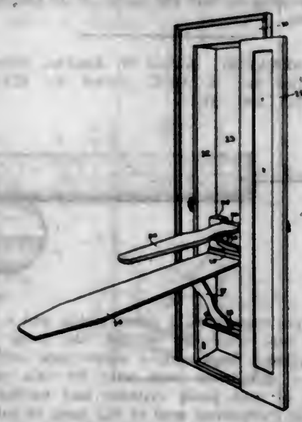
1. A work-piece-holder for a typewriting machine having a removable platen, said holder including a resilient body-portion clasping said platen, a work-piece-gripper extending from said body-portion and normally disposed a short distance from said platen for easy insertion of a work-piece therebetween, a projection on said gripper, and a finger-piece movable on said body-portion for engaging said projection and pressing said gripper against said work-piece and platen.

1,639,303. VALVE-STEM CAP OR THE LIKE. THURMAN H. LAUTENSCHLAGER, Dayton, Ohio. Filed Jan. 3, 1927. Serial No. 158,523. 3 Claims. Cl. 152—12.)



1. A valve stem dust cap including an axially extended portion of the cap and means for carrying a valve core therein.

1,639,304. IRONING BOARD. EDWARD T. MICKEY, Winston-Salem, N. C. Filed Dec. 26, 1925. Serial No. 77,706. 1 Claim. (Cl. 68—10.)



A wall cabinet having parallel vertical side portions, vertical slots in the side portions, a cross-member having its ends slidably mounted in the vertical slots, an ironing board fixedly secured to the said cross-member, a second cross-member pivotally secured to the wall portions at a point forward of the vertical plane of the first cross-member, a support secured to the second cross-member, a cross-piece secured to the free end of the support, a guide-way on the lower face of the ironing board in which the cross-piece is adapted to slide, and means for limiting the outward movement of the free end of the support.

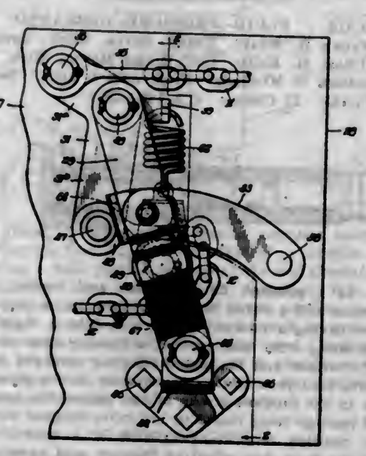
1,639,305. LOOSE-LEAF BINDER. HENRY C. MILLER, Milwaukee, Wis.; First Wisconsin Trust Company of Milwaukee, executor of said Henry C. Miller, deceased. Filed June 29, 1925. Serial No. 40,312. 9 Claims. (Cl. 129—41.)



1. A loose-leaf binder, comprising a pair of binder heads, a flexible post adapted to adjustably connect the heads, one end of the post being secured to one head and its other end portion being free and extensibly passed through the second head and extended thereover at right angles to its portion extended between the heads, an

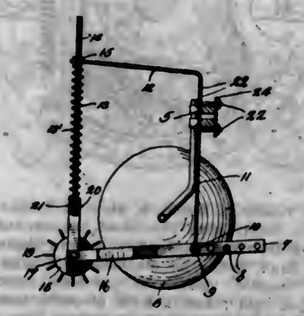
enlargement carried by the free end portion of the post, and a stop fixed to the second head and behind which the post enlargement is lockingly engageable to prevent the retraction of the post.

1,639,306. BRAKE MECHANISM FOR RAILWAY CARS. CHARLES L. MOORMAN, Chicago, Ill. Filed Jan. 29, 1926. Serial No. 84,538. 12 Claims. (Cl. 74—110.)



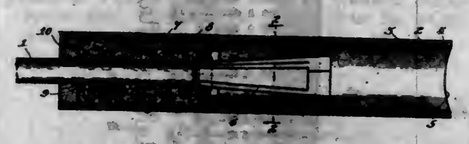
1. In brake mechanism for railway cars, the combination of brake shoes adapted to engage the car wheels, operating linkage for said brake shoes, a brake staff, a first tension member leading from said brake staff, a second tension member leading to said operating linkage, a main lever, a secondary lever pivoted on said main lever, said tension members being connected to said secondary lever for one ratio of motion transmitting leverage between said tension members, and means responsive to the re-action pressure in one of said tension members for locking one of said tension members to said main lever to establish a different ratio of motion transmitting leverage between said tension members.

1,639,307. CRUST BREAKER. PETER NEU, Bayard, Nebr. Filed Nov. 15, 1926. Serial No. 148,452. 2 Claims. (Cl. 97—178.)



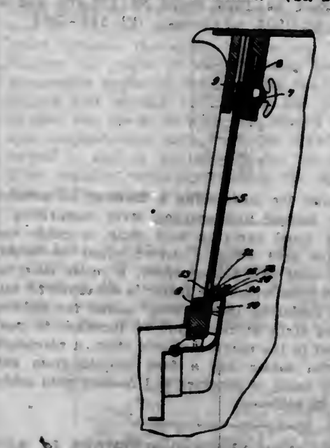
1. In a device of the character described, a frame, said frame including a vertical bar having a plurality of spaced openings, means extending through the openings for securing the bar to a cultivator frame, said bar including a rearwardly extended portion having an opening, a rod extending through the opening, a roller frame supported at the lower end of the rod, a spring surrounding the rod, and positioned between the rearwardly extended end of the bar and roller frame to exert a pressure on the roller frame, and a roller having teeth, operating in the roller frame.

1,639,308. SOUND-MODIFYING MEANS FOR SOUND TRANSMITTING AND REPRODUCING MACHINES. WILLIAM ORR, Memphis, Tenn. Filed Mar. 29, 1924. Serial No. 702,895. 7 Claims. (Cl. 181—27.)



1. A transmitter for speech reproducing devices having a barrel of non-resonant material, a mouth tube, a sound conveying tube with which said mouth tube is connected, a closure between the walls of said tubes, a series of tapered coiled members of nonresonant material nested one within the other and mounted loosely within said mouth engaging tube and projecting into said sound conveying tube, and a packing of fibrous material between the barrel of the mouth engaging tube and the sound conveying tube and adjacent the inner end of said nested tubular members.

1,639,309. COWL VENTILATOR FOR AUTOMOBILES. LEON OTTINGER, New York, N. Y., assignor to Emory Glenn Simpson, Detroit, Mich. Filed July 16, 1926. Serial No. 122,763. 7 Claims. (Cl. 296—94.)

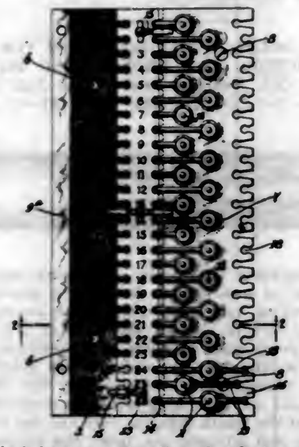


1. In combination with the cowl of a motor vehicle and adjustable windshield panel, means including a manually adjustable member cooperating with the windshield panel in one position thereof to deflect ventilating air entering beneath said panel and direct substantially the entire volume of entering air in an upwardly directed stream closely adjacent to the inner side of the panel, and said member being adjustable to another position with respect to the panel and the cowl to deflect the entering air exclusively in a downwardly directed stream below the cowl.

1,639,310. ELECTRICAL CONNECTING UNIT. HENRY F. RICHARDSON, Brooklyn, N. Y., assignor to Emma Louise Auth, Brooklyn, N. Y. Filed Jan. 7, 1922. Serial No. 527,586. 12 Claims. (Cl. 247—7.)

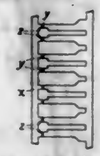
1. An electrical connecting unit, comprising a bottom member shaped to provide a trough extending lengthwise of the unit, a connection block detachably secured to said

bottom member and overlying the open side of said trough, a plurality of conductor attaching terminals spaced along the outer surface of said block, said con-



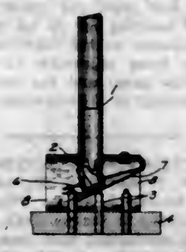
nection block having a plurality of slots in one side edge adapted to guide electrical conductors into position to engage respectively adjacent terminals.

1,639,311. APPARATUS FOR MAKING ELECTRICAL MINE IGNITERS. OTTO SCHMITT, Schonbeck, Germany. Filed Sept. 14, 1926, Serial No. 135,472, and in Germany Dec. 12, 1925. 3 Claims. (Cl. 113—59.)



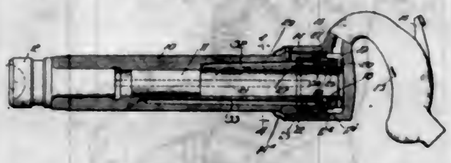
1. An apparatus for positioning a filament in notches of a previously formed and notched strip comprising a frame, a rotary spool carrying said strip, a guide and tension roller for said strip, a driven spool to receive said strip from said first-named spool, a roller carrying the filament and from which the latter is conveyed to said driven spool, a soldering iron having means for guiding the filament and strip at the point of juncture to position said filament in the notches of said strip, a receptacle containing molten solder and a feed leading from said receptacle to the point of juncture and feeding said solder to the parts to be soldered.

1,639,312. TOOL FOR PLACING WASHERS IN RUBBER HEELS. CHARLES I. SCHROCK, Pasadena, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 9, 1923. Serial No. 667,565. 28 Claims. (Cl. 18—1.)



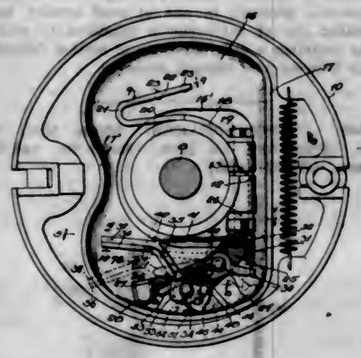
1. A device for applying washers to the pins of a mold for rubber heels comprising, a tubular magazine adapted to receive a charge of conical washers coaxially stacked with the apexes of the respective washers extending in the same direction, a guide adapted to direct a mold pin into the hole in the lowermost washer of the stack, said guide also constituting a support for the stack of washers having its supporting surface inclined to the direction of movement of the device, and means adapted to maintain said magazine a determined distance from the face of the mold.

1,639,313. FLUID-PRESSURE-OPERATED TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Apr. 5, 1920. Serial No. 371,445. 21 Claims. (Cl. 121—28.)



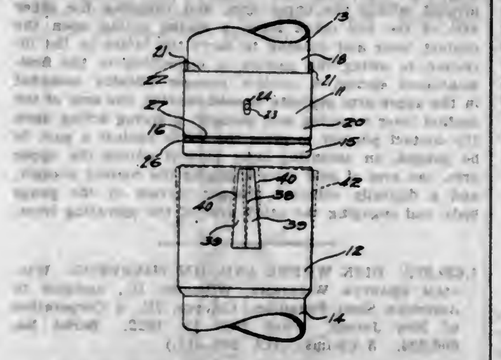
1. In a pressure fluid operated tool having a piston chamber and a piston reciprocable therein, a reciprocatory valve having a forward pressure surface, a chamber communicating with said surface, a passage connecting with said chamber and the piston chamber arranged to deliver motive fluid from the piston chamber to the pressure surface in the forward stroke of the piston, the rear end of said passage being closed by the valve member when in its rear position to prevent exhaust of a quantity of the pressure fluid thus admitted through said passage whereby to hold the valve member in its rear position, and means to relieve the pressure on said pressure surface in the return stroke of the piston.

1,639,314. AUTOMOBILE THEFT ALARM. JOHN H. SHARP, Chicago, Ill. Filed Jan. 8, 1925. Serial No. 1,307. 3 Claims. (Cl. 116—33.)



1. In a vehicle, a frame, a wheel, a brake drum constrained to rotate with the wheel, an expanding brake band engageable with said drum, a gong disposed within the brake band, means for mounting said gong upon said frame, a clapper, means for pivotally mounting said clapper upon said frame, a lever pivotally mounted upon said frame, a pawl pivotally mounted upon said lever and engageable with said clapper, a second lever constrained to rotate bodily with said drum and pivotally mounted with respect thereto, a pin carried by said second lever and movable therewith into a position wherein it will engage the first lever when the vehicle is in motion, and means for locking said second lever in said position.

1,639,315. JOINT FOR STOVEPIPE CASINGS. MARION R. SHIPLEY, Manhattan Beach, Calif. Filed Sept. 20, 1924. Serial No. 738,887. 12 Claims. (Cl. 285—186.)



1. A joint comprising: a tubular member having a female portion formed on the end thereof; a tubular member having a male portion formed at the end thereof, said male portion being arranged for insertion into said female portion without rotation of either portion; a packing member arranged to form a tight seal between said male and female portions when compressed; and means movable relative to and actuated by a relative rotation between said male and female portions for compressing said packing member axially and radially.

1,639,316. POLISH. CHARLES W. TROUT, Overland, Mo., assignor, by direct and mesne assignments, to N. S. T. Automobile Polish Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Jan. 10, 1927. Serial No. 160,301. 1 Claim. (Cl. 134—24.)

A composition of the character described, comprising the following ingredients in the following proportions: cylinder oil, 4 ounces; varnish, 2 drops; beeswax, 2 drops; gasoline, 10¾ ounces.

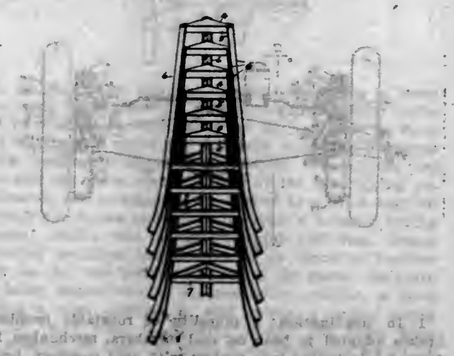
1,639,317. SEED-DISPENSING MECHANISM. WILLARD A. VAN BRUNT, Los Angeles, Calif., assignor to Van Brunt Manufacturing Company, Horicon, Wis., a Corporation of Wisconsin. Original application filed June 10, 1918. Serial No. 239,109. Divided and this application filed Sept. 4, 1920. Serial No. 408,212. 3 Claims. (Cl. 221—140.)



1. A seed dispensing mechanism comprising a hopper having an opening in the bottom thereof, two seed delivery passages communicating with said opening, a transverse partition in said hopper between said passages, transversely-disposed ribs rising from and extending across the bottom of the hopper at opposite sides of said partition, and a plate pivotally mounted on said partition and adapted to be turned down so that its outer portion will lie closely upon the upper edge of the rib at either side of the partition to cut off the admission of seed to the corresponding passage.

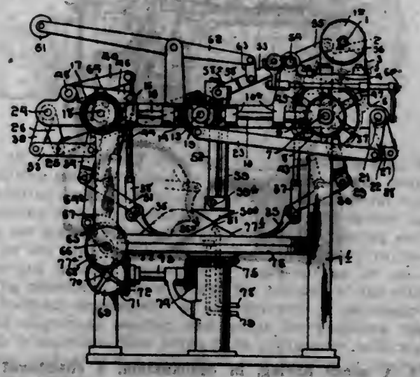
2. A seed dispensing mechanism comprising a feed-wheel, two tapered feed-rings of different inside diameters on opposite sides of said wheel, and housing members co-operating with said wheel and said feed-rings for forming seed passages at opposite sides of the wheel leading partially across the lower portion of the wheel, the housing member associated with the feed-ring of smaller diameter being extended laterally a shorter distance across the wheel to a point of intersection with the feed-ring, and having an end surface of steeper pitch than the housing member at the opposite side.

1,639,318. PLANT STAND. JOHN H. VIEWEGH, Indianapolis, Ind. Filed Sept. 5, 1925. Serial No. 54,629. 2 Claims. (Cl. 211—24.)



1. A flower stand comprising downwardly spreading legs each formed out of an angle bar placed with the inner angle of the bar toward the center of the stand, and an angular sheet metal top having its edges bent down between the angles of the top to form marginal flanges, the angles of the top being inserted in the corresponding angles of the legs with the legs outside of the flanges and lapping and closing the joints between the flanges the space between the spread legs being ample and unobstructed such that the stands may be freely nested in and on one another for the major portions of their lengths without reducing the space between the legs of the inner stands.

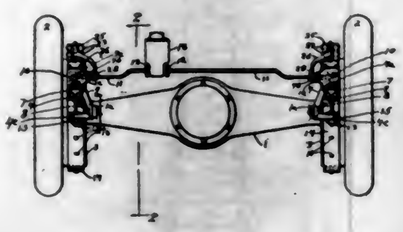
1,639,319. CANDY MIXING AND KNEADING MACHINE. WALTER S. WEBER and EARL T. SNYDER, Reading, Pa.; said Walter S. Weber assignor to Robert Carl Rahm, Wyomissing, Pa. Filed July 3, 1924. Serial No. 723,900. 15 Claims. (Cl. 107—33.)



5. A mixing and kneading machine including a table adapted to support a slab of plastic material, means for cooling the surface of the table to prevent said plastic

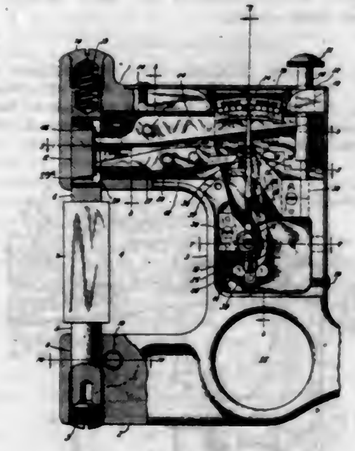
material from adhering to the table, combined scraping and paddling blades operating over the table and adapted to fold edge portions of the slab toward the center of the table, means for moving said blades toward and away from the center of the table, and means for spreading out the slab on the table.

1,639,320. EQUALIZING BRAKE FOR VEHICLES. SAMUEL K. WELLMAN and GORDON R. PENNINGTON, Cleveland Heights, Ohio. Filed Dec. 7, 1923. Serial No. 679,207. 9 Claims. (Cl. 188—2.)



1. In combination: a plurality of rotatable members, brakes adapted to bear on said members, mechanism for forcing said brakes into contact with said members, brake carrying elements receiving the frictional forces resulting from said contact, and hydraulic means connected to said brake carrying elements and operated by the said frictional forces to equalize the latter forces.

1,639,321. GAUGE. ERNEST O. WHEELOCK, Rockford, Ill. Filed May 15, 1925. Serial No. 30,426. 12 Claims. (Cl. 33—147.)



1. A gauge having, in combination, a chambered U-shape gauge body comprising an upper arm, a lower arm and a connecting arm, a contact on the lower arm, a dial carried by the upper arm, a pointer pivoted within the connecting arm, a spring connected to the pointer and tending to move the latter across the dial, a bell crank lever pivoted within the gauge body and having one arm connected with the pointer, a contact lever pivoted within the upper arm, and engaging the other arm of the bell crank lever, a spring acting upon the contact lever and tending to move the latter in the direction to swing the pointer in opposition to the first-mentioned spring, a contact plunger slidably mounted in the upper arm opposite to said contact, one arm of the contact lever engaging said plunger, a spring acting upon the contact plunger to press the latter against a part to be gauged, an operating lever pivoted within the upper arm, one arm of said lever engaging the contact plunger, and a digitally actuated plunger carried by the gauge body and engaging the other arm of the operating lever.

1,639,322. DISK WHEEL AND RIM THEREFOR. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Dec. 13, 1922. Serial No. 606,624. 5 Claims. (Cl. 301—11.)



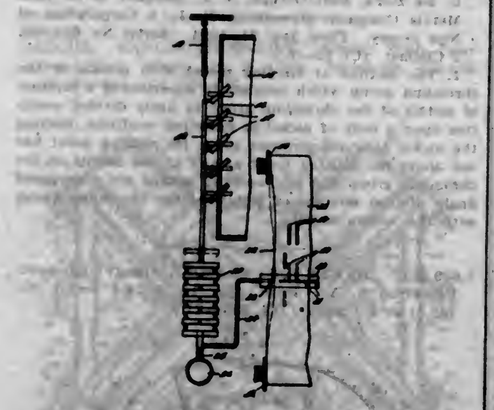
4. In a device of the class described a rim having a split snap side ring and said side ring having an inwardly extending portion adapted for use in clamping the assembled rim on the wheel body.

1,639,323. SPRINGBOARD. FRANK ALBACH, St. Louis, Mo., assignor to Fred Medart Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 29, 1926. Serial No. 138,396. 4 Claims. (Cl. 272—66.)



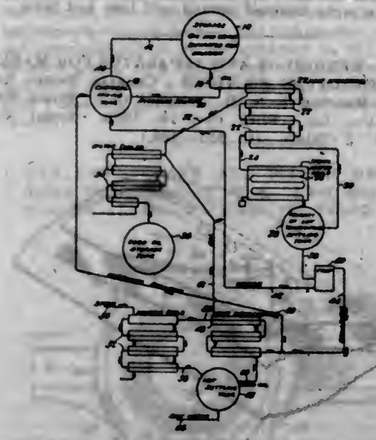
1. In combination, a spring board, a holding pedestal having attachment with one end of said board, and a fulcrum pedestal attached near the midlength of said board and comprising upper, lower and intermediate transverse members, with the intermediate member adapted to permit independent longitudinal movement of the upper member.

1,639,324. SWELL-SHUTTER-CONTROLLING MECHANISM. JOHN T. AUSTIN, Hartford, Conn., assignor to The Austin Organ Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 3, 1925. Serial No. 6,511. 6 Claims. (Cl. 84—89.)



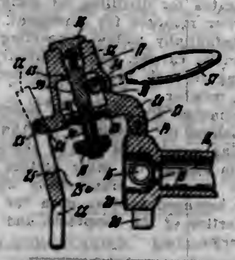
4. In combination, a swell box, shutter means therefor, a pneumatic operatively connected with said shutters, an exhaust chamber, said pneumatic having a bleed opening leading to said chamber, a tracker bar having a port communicating with said pneumatic, and a note sheet controlling said port.

1,639,325. PROCESS OF DEHYDRATING OILS. SIDNEY BORN and HOWARD EDGAR BONNETTE, Bartlesville, Okla., and JOHN CHARLES WALKER, Eldorado, Kans., assignors to Empire Gasoline Company, Dover, Del., a Corporation of Delaware. Filed Apr. 20, 1920. Serial No. 375,222. 12 Claims. Cl. 196—4.)



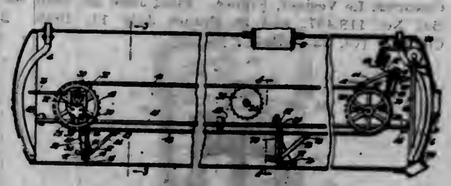
1. A process of dehydrating petroleum which comprises separating water from said petroleum, adding a hydroxide of an alkali metal to said separated water in an amount less than that required to substantially affect the hardness of the water associated with the oil, and mixing said alkali solution with said petroleum.

1,639,326. FAUCET. JOHN W. BURNETT, Cambridge, Mass. Filed Nov. 11, 1926. Serial No. 147,666. 2 Claims. (Cl. 251—156.)



1. An internally cleanable faucet, comprising a spout attachable to a reservoir, and having an annular outer end face, a recess surrounded by the end face, a valve seat within the recess and laterally extending discharge nozzle communicating with the recess, between the end face and the valve seat, the bore of the spout being unobstructed and arranged to be cleaned by a swab inserted through the recess and the valve seat, a housing having internal guides and a complemental end face, means separably confining the housing in an operative position with its end face bearing on that of the spout, the housing being displaceable to an inoperative position, a valve having a stem movable in said guides, a spring acting on the valve stem to yielding project the valve from the housing, so that the valve is automatically seated on the valve seat of the spout by movement of the housing, to its operative position, a rock-shaft journaled in the housing anrd provided with an operating handle, and connections between the rock-shaft and valve stem, whereby when the shaft is rotated in one direction, the valve is opened against the closing pressure of the spring, and arrangement being such, that when the housing is displaced from its operative position, access of a swab to the bore of the spout is permitted.

1,639,327. APPARATUS FOR DISTILLING OIL. JOHN W. COAST, Jr., Tulsa, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 3, 1920. Serial No. 421,494. 14 Claims. (Cl. 196—122.)



1. An apparatus for distilling oil comprising a still, a supporting member shaped to conform substantially with the heating surface of the still, an endless carrier for the supporting member, means for operating said carrier to move the supporting member adjacent to the heating surface of the still, scraper blades mounted loosely in the supporting member for movement relatively to the supporting member so as to follow the contour of the still and inclined downwardly in the direction of movement of the supporting member, and means for weighting the blades to maintain them normally in engagement with the heating surface of the still when said member is moving adjacent thereto.

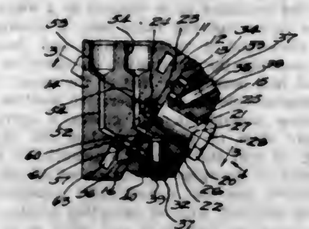
3. An apparatus for distilling oil comprising a still, a supporting member, blades carried by the supporting member for scraping the bottom of the still, an endless carrier for moving the supporting member along the still,

and means separate from the carrier for sustaining the weight of the supporting member during its movement along the still.

10. An apparatus for distilling oil comprising a still, an endless carrier mounted for movement lengthwise of the still, a substantially hollow supporting member carried by the endless carrier, and a plurality of scraping members passing through the top and bottom walls of said supporting member.

12. In a mechanism for scraping a receptacle, an endless carrier mounted for movement lengthwise of the receptacle, scraping members carried by the endless carrier and disposed to engage the inner surface of the lower portion of the receptacle, transversely disposed chains on the carrier arranged to drag upon the inner surface of the lower portion of the receptacle, and means for operating the carrier.

1,639,328. TURRET TIP FOR TORCHES. CLARENCE J. COBERLY, Los Angeles, Calif., assignor to Kobe, Inc., Los Angeles, Calif., a Corporation of California. Filed Nov. 8, 1924. Serial No. 748,574. 6 Claims. (Cl. 158—27.4.)



1. In a device of the class described: a supporting member having a gas supply passage and an oxygen supply passage; and a turret member rotatable relative to said supporting member and having a plurality of gas passages and oxygen passages selectively communicable with said gas supply passage and said oxygen supply passage respectively, said gas passages and oxygen passages retaining their separate identity throughout their continuance in the said turret member.

1,639,329. DISPENSING DEVICE. JOSEPH ANTOINE CONQUES, Le Vesinet, France. Filed June 25, 1926, Serial No. 118,437, and in France July 11, 1925. 2 Claims. (Cl. 221—79.)

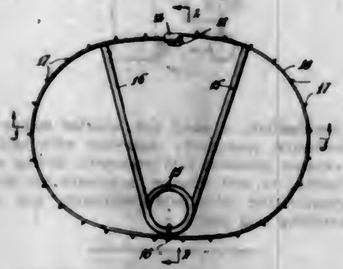


1. A dispensing device for semi-liquid substances comprising in combination a container, having a laterally disposed orifice at its lower end and a central recess in its bottom, a cover having a central opening screwed upon the upper end of said container, a screw-threaded rod supported in said recess, a piston screwed on said rod, means on the piston ensuring a tight fit of the same in the container, an operating knob secured on said rod and having a diameter substantially equal to or less than the central opening in the cover and projecting outwardly, a flange on the rod having a face upon which the cover is adapted to bear and a longitudinal rib on the inner surface of the container, adapted to engage into a longitudinal slot in the piston.

1,639,330. METHOD OF MAKING ALLOYS. JEAN H. L. DE BATS, East Orange, N. J., assignor to De Bats Metals Company, Bloomfield, N. J., a Corporation of New Jersey. Filed Jan. 24, 1924. Serial No. 688,304. 2 Claims. (Cl. 75—1.)

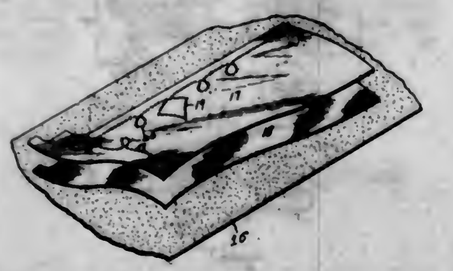
1. The method of alloying nickel with metals of the chromium group which consists in superposing a mixture of metals of the chromium group in finely divided condition upon a body of nickel in unmelted condition, heating the nickel to a temperature above its melting point but not above the melting point of any of the metals of the chromium group and mechanically mixing the superposed finely divided mixture of metals of the chromium group with the molten nickel.

1,639,331. HAT-BLOCK CLAMP. HENRY DIAMOND, Brooklyn, N. Y. Filed Apr. 10, 1924. Serial No. 705,511. 2 Claims. (Cl. 223—21.)



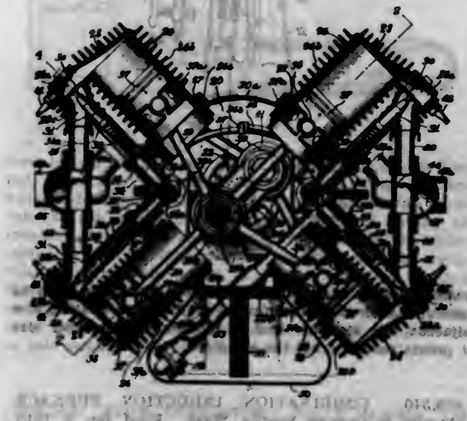
2. In a device of the class described, having a curved band with overlapping engaging ends, the combination of a heavy steel wire formed intermediate of its ends with a loop, the ends of said heavy steel wire being attached to the said curved band at a short distance from the ends thereof, the said loop abutting the inner face of said curved band, and means for securing said loop to the adjacent portion of said curved band, said means consisting of a strap fastened around said loop and band.

1,639,332. METHOD OF AND APPARATUS FOR MARKING SHOE-UPPER SECTIONS. CHARLES ELMER EDWARDS, Manchester, N. H., assignor to C. Elmer Edwards Co., Inc. Filed Dec. 15, 1926. Serial No. 155,068. 5 Claims. (Cl. 101—426.)



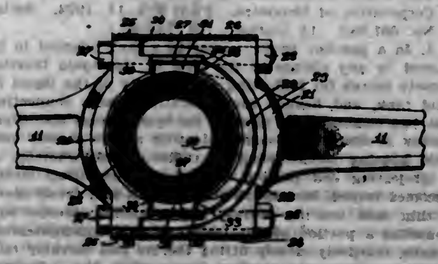
1. The method of marking shoe upper sections formed of fabric or leather and made in a definite size and outline, comprising placing an embossing plate of substantially the same size and outline and having boss or bosses upon one side of the shoe upper section so that the boss or bosses contact with the shoe upper section and matching the edges of the embossing plate and shoe upper section, placing a transfer sheet in contact with the opposite side of the shoe upper section, the arrangement being such that the transfer sheet leaves the shoe upper section and embossing plate uncovered so that the matching of their edges may be effected, and subjecting the elements thus assembled to the action of pressure through the medium of an elastic member.

1,639,333. EXPLOSIVE ENGINE. HENRY FORD, Dearborn, Mich. Filed Aug. 2, 1920. Serial No. 400,638. 26 Claims. (Cl. 122—65.)



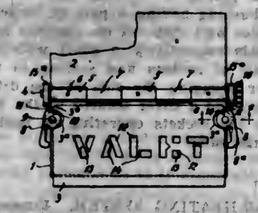
1. In an internal combustion motor of the Otto cycle type, a crank shaft, a plurality of cylinders symmetrically disposed with respect to said shaft, and pistons for the cylinders operatively connected with the crank shaft, said cylinders being arranged in more than a single circular series in the direction of length of the shaft with each series having the pistons of its cylinders operatively connected to the same crank of the shaft with the connections of the pistons and crank shaft similar with each of the pistons of the series, each cylinder being inclined relative to planes extending horizontally and vertically through the crank shaft axis, the cylinders on one side of the vertical plane having the intake and exhaust service instrumentalities in common and independent of the similar instrumentalities of the cylinders on the other side of such plane, each intake and exhaust service instrumentality including a combined intake and exhaust manifold formation positioned between the cylinders served thereby.

1,639,334. CRANK AND PITMAN MECHANISM. HENRY FORD, Dearborn, Mich. Filed May 25, 1921. Serial No. 472,589. 3 Claims. (Cl. 74—17.)



1. In a crank and pitman mechanism, the combination with a crank pin and a plurality of radiating pitmen, of a composite pitman head common to the crank pin and the pitmen, said head embodying a plurality of angularly spaced crank pin bearing segments seating on the crank pin and each individually attached to one of the pitmen, and capping means co-operating with the bearing segments for completing the pitman head formation and its constrainment, said formation including peripheral and circumposed elements presenting correspondingly co-operating bearing surfaces for each pitman distributed on both sides of a plane normal to the pitman length and passing through the crank pin axis, a segment of a circumposing element being carried by one pitman and superposed with respect to a segment of another pitman with the bearing surfaces of the element segment and the bearing segment extending on arcs differing in the length of the arc radius.

1,639,335. BLADE HOLDER. HENRY J. GAISMAN, New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del., a Corporation of Delaware. Filed June 24, 1924, Serial No. 721,972. Renewed Nov. 17, 1926. 10 Claims. (Cl. 30—12.)



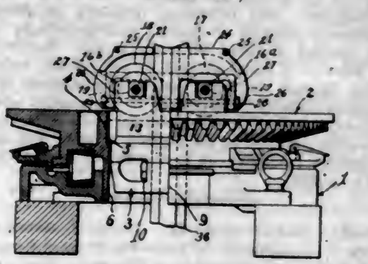
1. The combination of a blade having spaced apertures in the form of a designation, with a holder having one or more projections complemental to one or more of said apertures to retain the blade from displacement on the holder, and means to detachably retain the blade on the holder with said apertures and projections in cooperation.

1,639,336. LAMP MOUNTING. HOMER E. GANNETT, Berwyn, Ill. Filed June 27, 1924. Serial No. 722,651. 5 Claims. (Cl. 240—90.)



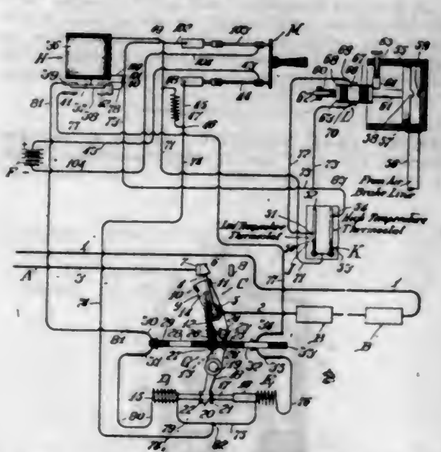
1. A lamp mounting of the character described, comprising a supporting shell having an apertured end wall, a contractible socket forming member slidably mounted on said end wall, a plurality of springs intermediate of the sides of the socket forming member and the shell for yieldingly maintaining the socket forming member in position, a lamp holding conduit disposed through said apertured end wall and provided with a spherical portion seatable in said socket forming member so as to permit oscillatory movement of the conduit, and a helical spring within said shell and disposed about the end of said conduit.

1,639,337. DRILL-STEM ROLLER DRIVING BUSHING. EDWIN W. GOESER, Los Angeles, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Sept. 10, 1923. Serial No. 661,863. 2 Claims. (Cl. 255—23.)



1. In a rotary drill table construction, the combination of a rotary table having an opening therein through which the drill stem passes, a bushing carried in the said opening, said bushing having a pair of sockets open on their upper sides and disposed on opposite sides of the axis of the table respectively, a shaft with a roller between each pair of sockets and seating in the sockets from above for engaging the side of the drill stem to rotate the same, and a cover secured to the bushing and extending over the sockets operating to hold the roller shafts within the same.

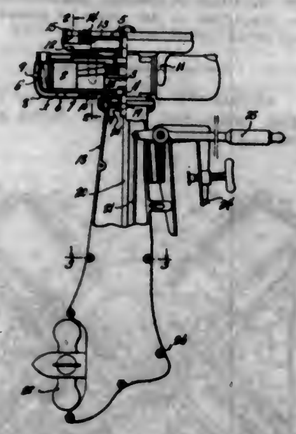
1,639,338. CAR-HEATING SYSTEM. EGBERT H. GOLD, Chicago, Ill. Filed June 20, 1925. Serial No. 38,464. 28 Claims. (Cl. 219—20.)



1. The combination with a railway car, and an electrical heating apparatus thereon, of a controlling mechanism for the heating apparatus which is made effective automatically by disconnecting the car from a train and thus taking it out of service to maintain the car at a determinate temperature below the normal temperature of occupancy when the car is in service.

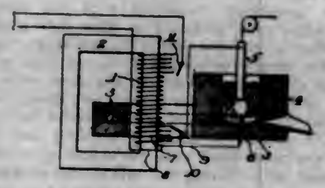
1,639,339. OUTBOARD MOTOR. GEORGE W. GRASS, Milwaukee, Wis. Filed Mar. 4, 1926. Serial No. 92,265. 3 Claims. (Cl. 115—18.)

1. In an outboard motor, the combination of a cylinder provided with a plurality of radial fins, an annular fin joining the outer portions of the radial fins, a casing surrounding said cylinder and having an opening adjacent the head of the cylinder for the admittance of air; a pair of pipes opening into the casing at diametrically opposite points, a fly wheel provided with air propelling means, and a casing associated with the fly wheel and



communicating with said pipes, the annular fin forming apertures with the radial fins of gradually decreasing size adjacent the air pipe and of gradually increasing size at points remote from the air pipe.

1,639,340. COMBINATION INDUCTION FURNACE. ALBERT E. GREENE, Seattle, Wash. Filed Jan. 3, 1913, Serial No. 740,034. Renewed Dec. 19, 1917. Serial No. 207,966. 79 Claims. (Cl. 204—64.)

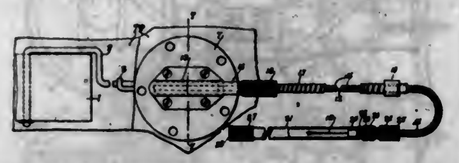


1. In an electric furnace, the combination of a channel for holding molten metal encircling a magnetic core, a primary winding thereon, means of connecting this winding to a source of alternating current power, and means of connecting portions of the winding to an arc circuit for generating heat in the furnace.

1,639,341. GASOLINE GAUGE. FRANK A. GROVES and JOHN FREDERICK GROVES, Dayton, Ohio, assignors to The Groian Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 11, 1924. Serial No. 691,883. 11 Claims. (Cl. 73—82.)

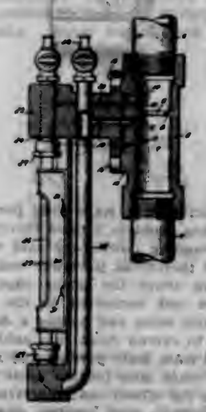
1. In a gasoline gauge, means in a tank adapted to be moved by any change in the level of the liquid therein, remote means for indicating the quantity of the liquid in said tank, and flexible communicating means connecting the two means to one another for synchronous operation, means to house said communicating means at one end, said housing means being of sufficient size whereby, if a projecting end portion of the communicating means becomes looped, bent or twisted, it may still freely move within said housing means, and a guiding means surrounding a portion of the length of said communicating means, relatively closely fitting thereto and movably telescoping within said housing means when the indicating means is being adjusted to zero position.

11. In a gauge equipment, a tank unit, a communicating wire connected at one end to a movable member of said tank unit and adapted to be actuated thereby according to the amount of liquid in the tank, a relatively closely fitting guide casing connected at one end to said tank unit and surrounding the communicating wire, a head at the free end of said guide casing, said wire being adapted to project beyond said guide casing, a protecting casing surrounding said guide casing to a point near the free end of the guide casing, a collar for connecting said protecting casing to the guide casing and adapted to form an abutment, a connecting guide tube slidably



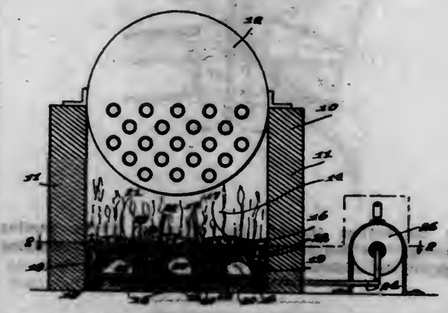
mounted on the free end of the guide casing, which does not have the protecting casing, a clamping member adapted to clamp said guide casing and connecting guide tube to one another, said clamping member having an internal shoulder to engage with the head on the guide casing to prevent disconnection of the connecting guide tube and said guide casing, said collar abutment limiting the telescoping movement of said connecting guide tube, an internally threaded head on said guide tube, an indicator casing connected to said head, and indicating means in said casing adapted to be connected with said wire.

1,639,342. FLOW INDICATOR. ROY E. HANSON, Los Angeles, Calif., assignor of one-half to Barton Jones, Los Angeles, Calif., and one-half to James B. Morey, Culver City, Calif. Filed Nov. 10, 1925. Serial No. 68,143. 3 Claims. (Cl. 73—167.)



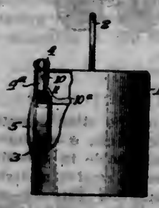
2. A device of the character described comprising; a flow fitting provided with a faced exterior surface, with a bore therethrough, with a diaphragm having a flow-measuring orifice therethrough intermediately intercepting said bore, and with separate passages leading from said surface to the bore on opposite sides of the diaphragm; and a differential pressure indicator having a correspondingly faced exterior surface and separate passages leading therefrom; said fitting and indicator being detachably connected with said exterior surfaces engaging and said respective pairs of passages in communication; and one of said surfaces having a circular groove therein communicating with one of said passages and concentric with the outlet of its other passage, whereby said connection may be effected in selective angular relations of the surfaces.

1,639,343. GRATE. STEPHEN S. S. KENNEDY, Pontiac, Mich. Filed July 8, 1925. Serial No. 42,225. 1 Claim. (Cl. 110—74.)



In a grate structure a series of hollow bodies closed at their ends, said bodies being arched transversely and the bodies being provided at their edges with outstanding flanges which completely circumscribe the same, a support holding the flanges in a common plane and substantially abutting each other, fire resisting elements set upon the flanges and extending in series completely around the bodies, the opposite side walls of the bodies being provided with openings located above the upper surfaces of the fire resisting elements and below the top of the arched walls of the bodies.

1,639,344. COIN BANK. ISIDOR J. KUSEL, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,715. 2 Claims. (Cl. 194—54.)

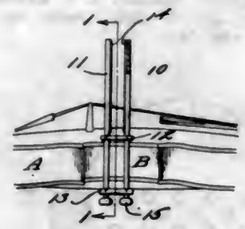


1. A coin bank provided with a time piece having a winding stem, and having a plurality of slots and also a member extending across all of said slots in the path of movement of a coin introduced into any of said slots and means whereby the introduction of the coin into any of said slots actuates said member and controls the winding of said time piece.

1,639,345. GUIDE DEVICE FOR MUSICAL INSTRUMENTS. STEPHEN LASCO, Tunkhannock, Pa. Filed May 12, 1926. Serial No. 106,631. 1 Claim. (Cl. 84—283.)

A bow guiding means for attachment upon a violin, comprising a pair of similar guide devices disposable at opposite sides of the body of a violin at the waist portion thereof, means for clamping said guide devices in place, each of said guide devices including a pair of

spaced uprights arranged in parallel relation and connected by transverse elements, one transverse element being disposed upon the top of the body and the other



at the bottom thereof, and clamping screws passing through the bottom transverse member and engaging against the underside of the body.

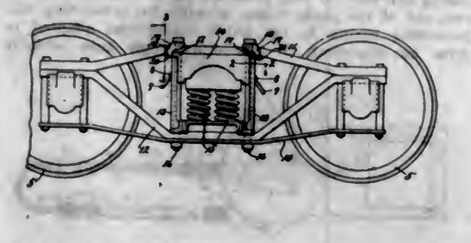
1,639,346. LOADING APPARATUS. WILLIAM K. LIGGETT, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 17, 1920. Serial No. 410,968. 25 Claims. (Cl. 198—72.)

1. In a machine of the class described, the combination of a supporting frame, a conveyor on said frame, a chute angularly adjustable in a horizontal plane relative to said conveyor to receive material therefrom, and an interlocking connection between said chute and a fixed part of the machine normally locked by the weight of said chute to maintain the chute in any predetermined position of adjustment.

1,639,347. LUBRICANT FOR AUTOMOTIVE ENGINES. LUTHER B. LOCKHART, Atlanta, Ga., assignor to Standard Oil Company, Whiting, Ind., a Corporation of Indiana. Filed Feb. 20, 1926. Serial No. 89,764. 3 Claims. (Cl. 196—151.)

1. The herein described marketable lubricating oil for cold weather use in automotive engines of the type in which liquid fuel enters the oil from the cylinders, clear in appearance, free from suspended solids, colloidal carbon and marked disagreeable odor, and characterized further by having a flash point above 150° F., a Saybolt viscosity of at least 140 at 100° F., a relatively low loss in viscosity during use and a content of between 7 and 15% of fractions boiling between about 360° F. and 460° F.

1,639,348. RAILWAY TRUCK. WILLIAM A. MITCHELL, Denison, Tex., assignor to Universal Draft Gear Attachment Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 1, 1924. Serial No. 729,440. 12 Claims. (Cl. 105—204.)



1. As an article of manufacture, an anchoring member for bracing a column of a truck frame of the arch bar type, comprising a body portion having a vertical opening therein and provided with depending portions spaced apart for engaging the side edges of an arch bar of a truck and adapted to form by contact only a stop for said column.

1,639,349. METAL CONTAINER. JAMES H. O'NEIL, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed June 23, 1926. Serial No. 118,064. 1 Claim. (Cl. 220—53.)

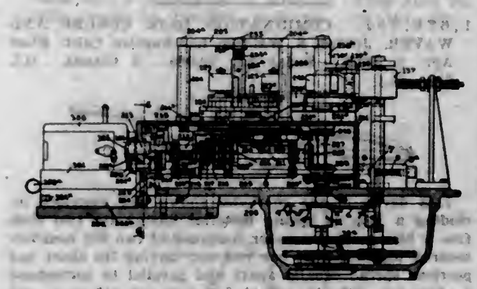


A container including a main body portion having an inwardly projecting shoulder formed therein, an auxiliary body portion extending down over said main body portion and secured thereto at its lower end, said auxiliary portion extending above the upper edge of said main body portion, an end connected to the auxiliary body portion by a double seam and having a depressed central portion adapted to extend down into said auxiliary body portion and said main body portion and rest against the shoulder in said main body portion so as to prevent endwise pressure on the closed container from distorting or rupturing the auxiliary body portion, said auxiliary body portion being formed of metal which is easily severed or ruptured.

1,639,350. MACHINE FOR PRINTING VARIOUS DENOMINATIONS OF POSTAGE ON MAIL MATTER, ETC., AND REGISTERING AMOUNT THEREOF. ARTHUR H. PITNEY and JACOB W. OSBUN, Stamford, Conn., assignors, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Mar. 10, 1923. Serial No. 624,228. 23 Claims. (Cl. 235—101.)

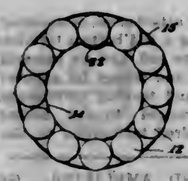
1. In mechanism of the character specified, having a printing die having a plurality of printing surfaces and

adjustable on its own axis to bring any one of such surfaces to printing position; an inking mechanism, and means whereby when the die is adjusted the inking mechanism is adjusted, so that each die surface will be supplied with ink of its own distinctive color.



18. In mechanism of the character specified having a rotatable support; and a printing member rotatably mounted upon said support provided with a plurality of printing surfaces; said member being adjustable so as to bring any one of said printing surfaces into operative position; a common register for said printing surfaces; means for holding the printing member in adjusted position on the support and means controlled by the adjustment of the printing member whereby the common register is actuated for each operation of the printing member in accordance with the value or denomination of that printing surface which has been adjusted to operative position.

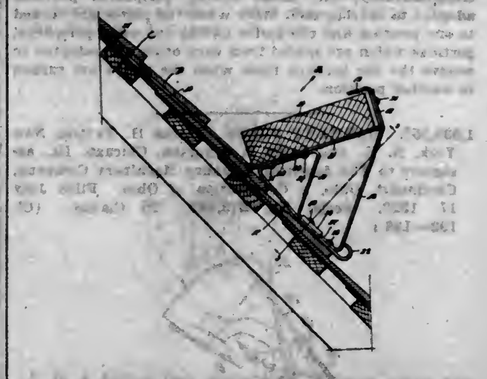
1,639,351. PROCESS OF MAKING ROLLER BEARINGS. CLARENCE E. ROSSON, Philadelphia, Pa. Filed Mar. 11, 1924. Serial No. 698,866. 4 Claims. (Cl. 29—84.)



1. The process of assembling a roll-set for a roller bearing, comprising the forming of inner and outer circular retaining bands, the distortion of one of said bands from its normal circular form, inserting rollers having annular grooves to receive said bands between said bands, and then restoring said distorted band to its normal circular form.

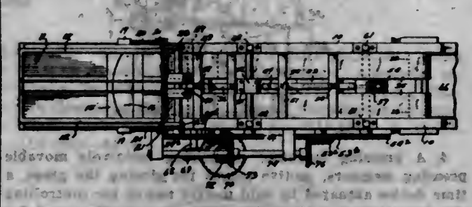
1,639,352. ROOFING BRACKET. EDMUND A. SCHADE, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Jan. 23, 1926. Serial No. 83,868. 2 Claims. (Cl. 304—20.)

1. A roofing bracket of the character described having a forwardly extending tang provided with means for anchoring the same, a shelf extending outwardly from said tang, and a brace for said shelf having a roof engaging portion and a strut between the roof engaging portion and shelf, the rear end of said roof engaging portion



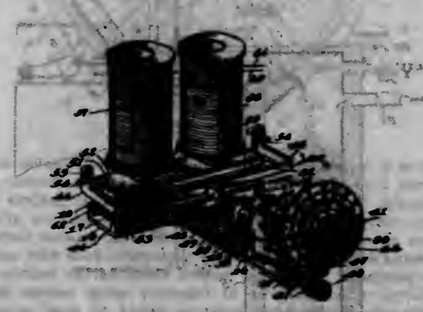
extending beyond said strut and being hooked to provide an anvil which may be struck when disengaging the tang from the member to which it is anchored.

1,639,353. MACHINE FOR ATTACHING PINS TO LEAVES. HENRY R. SCHLUETER and ALPHONSUS H. HATKE, Richmond, Va. Filed Sept. 21, 1926. Serial No. 136,883. 14 Claims. (Cl. 41—1.)



1. In a machine for attaching pins to leaves, a leaf magazine, means for withdrawing leaves from the magazine, a knife operating to cut the stems of the leaves, means then operating to present a pin to the leaf stem, and means then operating to clip the pin upon the stem.

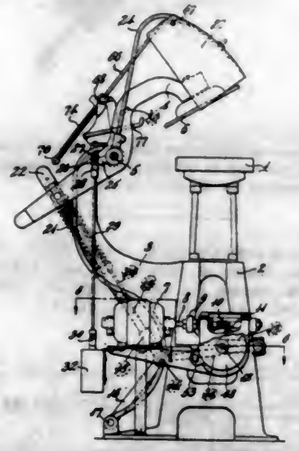
1,639,354. ENGINE IGNITION LOCK. JOHN GEORGE SCHULER, Dutton, Mont. Filed July 2, 1924. Serial No. 723,773. 4 Claims. (Cl. 200—45.)



1. A lock comprising a support, a bar movably mounted upon the support, electric terminals carried by the support and the bar, a magnet disposed adjacent the bar for holding said bar in position with said terminals disengaged when said magnet is energized, locking plates mounted for turning movement and located one at each

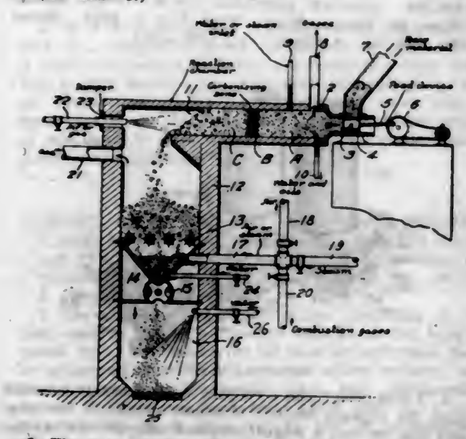
side of the bar for holding said bar in position with said terminals in engagement, means for turning the plates simultaneously, the plates having peripheral portions adapted to overlap each other when the plates are turned to one position and the plates having cut away peripheral portions which are spaced from each other and adapted to receive the bar between them when the plates are turned to another position.

1,639,355. GARMENT PRESS. JAMES H. TAYLOR, New York, N. Y., and JOHN P. SINOISER, Chicago, Ill., assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 17, 1922. Serial No. 575,649. 20 Claims. (Cl. 192—133.)



4. A pressing machine, comprising relatively movable pressing members, motive means for closing the press, a time device actuated by said motive means for controlling the operation of said motive means, a movable guard for the press, and means controlled by movement of said guard for rendering said timing device effective.

1,639,356. PROCESS OF MAKING ACTIVATED CARBON. GEORGE W. WALLACE, San Francisco, Calif. Filed Jan. 13, 1926. Serial No. 81,120. 5 Claims. (Cl. 252—3.)



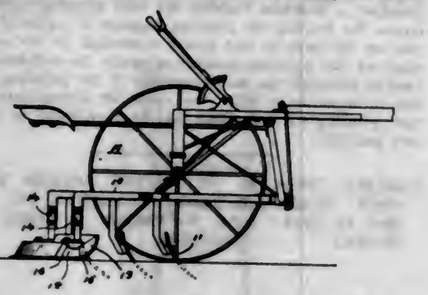
1. The process of making activated carbon which comprises establishing and maintaining a relatively short moving pervious column of material to be carbonized with one end at a relatively low temperature, projecting a current of hot flame gases against the other end and producing a movement of such gases through such column in counter-current whereby a stationary zone of carbonization is established and maintained and subjecting hot carbonized material emerging at such other end to partial oxidation by another draft current.

1,639,357. COMBINATION HAIR CURLER AND WAVER. JOSEPH S. WALTON, Los Angeles, Calif. Filed Apr. 2, 1925. Serial No. 20,064. 2 Claims. (Cl. 132—41.)



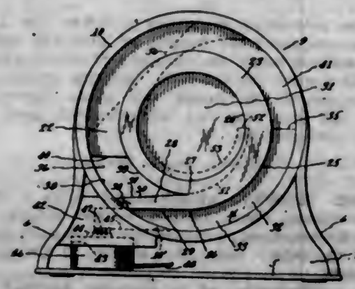
1. A device of the character shown and described including a loop of spring material having its two ends free, a hair holding member composed of two flat members secured together near one end and having its short end portions spread equally apart and parallel to correspond in distance with the spaced free ends of said loop, said ends being connected pivotally with said free ends, whereby said hair holding member folds into said loop equally spaced from the opposite sides of said loop.

1,639,358. CULTIVATOR ATTACHMENT. HENRY F. WESTRICK, New Point, Ind. Filed July 16, 1926. Serial No. 122,895. 3 Claims. (Cl. 97—179.)



1. A cultivator attachment comprising a ground engaging member having a flat bottom terminating to provide a cutting edge at one end, and an upwardly curved wall at the opposite end, and means for supporting said member for both tilting and turning movements, whereby either end may be arranged directly behind the cultivator shovel at the desired inclination to the ground.

1,639,359. SOUND AMPLIFIER. GUSTAVE C. WILHELMI, Cleveland, Ohio. Filed June 9, 1926. Serial No. 114,745. 10 Claims. (Cl. 181—27.)



1. A sound amplifier comprising a casing having front and rear convolute tapered sound passages in parallel planes, the larger end of the rear passage communicating with the smaller end of the front passage, the rear passage having a peripheral inlet and the front passage having an enlarged axial outlet.

1,639,360. MARKING MACHINE. ROY V. WOODWORTH, St. Louis, Mo., assignor to Western Supplies Co., St. Louis, Mo., a Corporation of Missouri. Filed June 26, 1926. Serial No. 118,665. 9 Claims. (Cl. 101—301.)



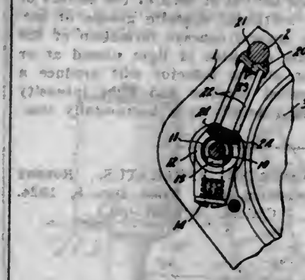
1. A machine of the character described comprising a support, arms pivotally supporting said support for swinging movements to and from the work, a device attached to certain of said arms for moving said support from the work, a handle for swinging said support to and from the work, a die plate for making impressions upon the work, and means in connection with said handle for holding the die plate in connection with said support.

1,639,361. RING BOOK. HENRY T. ADAMS, Chicago, Ill. Filed Apr. 13, 1925. Serial No. 22,812. 2 Claims. (Cl. 129—1.)



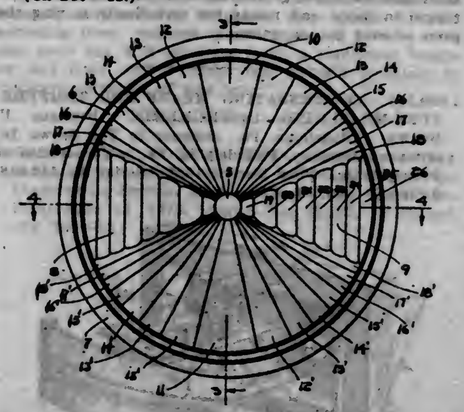
1. A fastening device for ring books and the like comprising a metal back plate having inturned edges, notches in said edges, and a ring adapted to engage said notches and having oppositely disposed lateral extensions adapted to engage said plate and to lie beneath said edges to hold said ring in an erect position.

1,639,362. LINE-GUIDE MECHANISM FOR FISHING REELS. WALTER L. ADAMS, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed June 26, 1924. Serial No. 722,522. 7 Claims. (Cl. 242—84.4.)



1. In a fishing reel, spaced end heads, a pillar connecting the same, a spool rotatable between said end heads, a carriage movable back and forth between said end heads and provided with a pair of spaced openings, a block engaging the pillar connecting said end heads and provided with a pair of spaced openings, and a pair of rods having their end portions engaging in the openings of said travelling carriage and said pillar engaging block, the space between said rods and said carriage and said block providing a confined passageway for the fishing line.

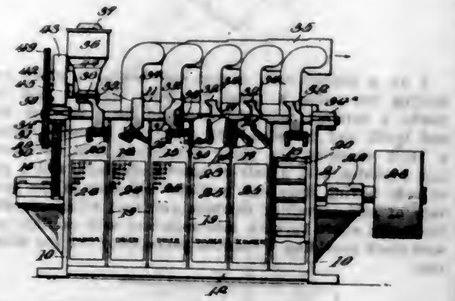
1,639,363. LIGHT-PROJECTING REFLECTOR. JOHN GRAEME BALSILLIE, Melbourne, Victoria, Australia, assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 6, 1924. Serial No. 718,288. 1 Claim. (Cl. 240—41.)



A reflector of concave formation, consisting of a series of sectors, certain of said sectors consisting of a series of vertical stripes having contiguous edges of substantially parallel disposition relatively to each other, the striped sectors being arranged horizontally opposite each other with each containing substantially the same number of stripes as the other striped sector, the remaining of said sectors being arranged in two vertically opposite groups, each of which contains substantially the same number of sectors, each of the vertically opposite groups of sectors consisting of a relatively wide angular sector located at the center of each of the vertically opposite groups of sectors, and a series of sectors of decreasing angular width located upon each side of each relatively wide centrally located angular sector of the vertically

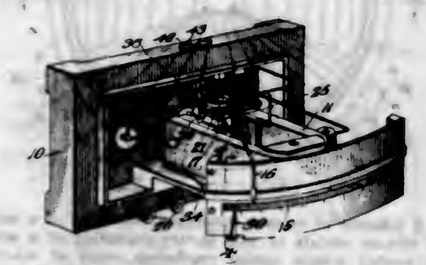
disposed groups of sectors, with the narrowest one of the sectors of decreasing angular width on that side of the adjacent relatively wider angular sector which lies toward the series of horizontally opposite vertically striped sectors, the transverse cross section of each of the vertically disposed stripes of the horizontally disposed sectors and the transverse cross section of each of the sectors of the second mentioned vertically opposite groups of sectors varying from the general concave formation of the entire reflector, whereby a source of light placed at or about the focal center of the reflector will produce a projected beam of desired contour and light intensity distribution conforming generally to a horizontally elongated ellipse.

1,639,364. GRAIN-SCOURING APPARATUS. ROBERT H. BARKER, Chambersburg, Pa. Filed Dec. 8, 1924. Serial No. 754,609. 7 Claims. (Cl. 83—30.)
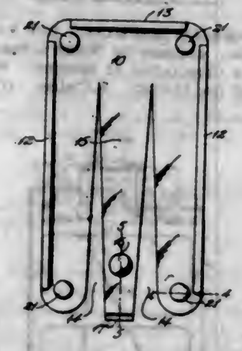


1. A grain scouring apparatus comprising a plurality of chambers having laterally disposed openings establishing communications between the respective chambers, agitator members mounted in the respective chambers, pivotally-supported laterally-movable cam controlled gates arranged in pairs, and means for periodically moving the gates of each pair in unison.

1,639,365. COMPENSATING MEANS FOR TEMPERATURE-MEASURING INSTRUMENTS. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 1, 1921. Serial No. 512,018. 6 Claims. (Cl. 73—32.)



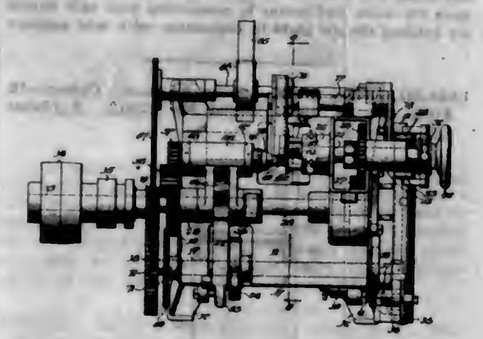
1. In a pyrometer, the combination of a scale, a pointer arranged to cooperate with said scale for indicating purposes, means responsive to the cold junction temperature of a thermo-couple for setting said pointer on said scale to an indication determined by said cold junction temperature, means also responsive to said cold junction temperature for locating on said scale the indication corresponding to said cold junction temperature, and means responsive to the hot junction temperature of said thermo-couple for causing said pointer to indicate said hot junction temperature.

1,639,366. BATH-BRUSH HOLDER. WILLIAM M. BROWN, Council, Idaho. Filed Dec. 18, 1925. Serial No. 76,259. 2 Claims. (Cl. 4—184.)



1. A brush holder consisting of a substantially rectangular body having brush back engaging flanges at its sides and one end, said body being provided with slits extending inwardly from the opposite end and providing a centrally disposed spring tongue, said tongue having a lip at its free extremity and a boss projecting upwardly adjacent the lip and adapted to enter a recess in a brush back, and means to secure said body to a supporting surface.

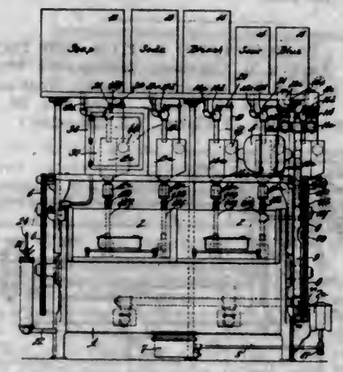
1,639,367. CAP-THREAD-ROLLING MACHINE. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 23, 1923. Serial No. 653,059. 18 Claims. (Cl. 153—72.)



1. In a cap threading machine, the combination of a cap magazine, a movable feed member cooperating therewith and adapted to convey one of said caps to a required position, reciprocal die means operable in a direction normal to the movement of said member adapted to project into said cap when the same is in said position, and means for engaging the outer wall of said cap to thread the same.

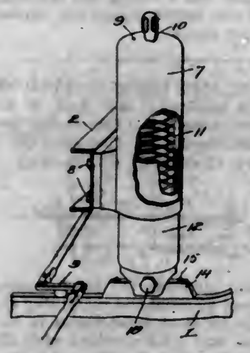
1,639,368. AUTOMATIC WASHING MACHINE. EMIL J. CARROLL, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 23, 1920. Serial No. 405,274. 8 Claims. (Cl. 68—18.)

3. A washing machine, comprising an outer casing having a door, a hollow movable washing member therein having a door, an operator for said member, means for delivering washing material to said machine, a controller for said means, means for stopping said member, means for causing said stopping means to operate in timed relation with said controller, and controlling means for said stopping means associated with said member and located



in proper angular relation with respect to its door to cause said member to stop with its door in registry with the casing door.

1,639,369. SHOCK-ABSORBING MEANS FOR VEHICLES. ALFRED J. CORMIER, Long Beach, Calif. Filed Jan. 4, 1926. Serial No. 79,161. 2 Claims. (Cl. 267—34.)

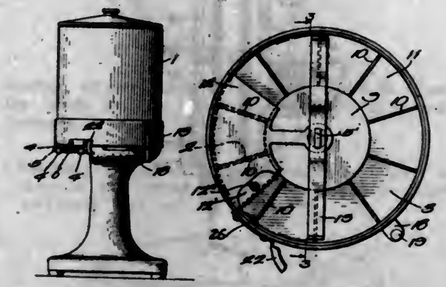


1. In a shock absorber and in combination, a chassis portion, a member disposed below the chassis portion, a cylinder carried by the chassis portion, a piston movable in said cylinder, spring means interposed between the cylinder and the piston, and a connection between the piston and the said member below the chassis portion, said connection including a bearing connected with the said member, a bushing turnable in said bearing, and a pin keyed in the bearing off the center thereof and connecting the piston and bearing.

1,639,370. DISPENSER. HARRISON D. FLEGEL, Racine, Wis., assignor to Arnold Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed May 6, 1926. Serial No. 107,071. 21 Claims. (Cl. 221—146.)

1. In a dispenser, a container having a bottom with an extending bearing post, said bottom having a discharge aperture therein, measuring and discharging mechanism in said container comprising a cylindrical hub journaled upon said post, and a plurality of resilient partitions extending radially from said hub.

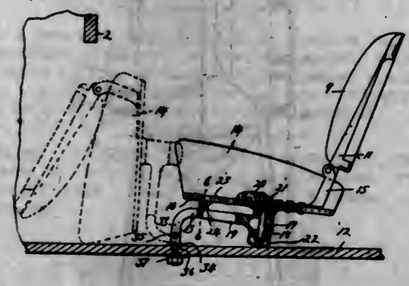
9. In a dispenser, a container having a bottom with an extending bearing post, said bottom having a discharge aperture therein, measuring and discharging mechanism in said container comprising a cylindrical hub journaled upon said post, a plurality of resilient partitions extending radially from said hub, said partitions being of less height than the thickness of said hub, and an actuating shaft extending through said bearing post supporting said hub and partitions, out of contact but in close proximity to said bottom, said shaft having a non-circular portion engaging a similar aperture in said hub to key said shaft and hub together.



14. In a dispenser, a container having a discharge aperture in its bottom and a seating surface bounding said aperture, a shaft journaled in said bottom, a lever supported on said shaft, said lever supporting for universal movement a sliding closure for said aperture, and resilient means urging said closure against said seating surface.

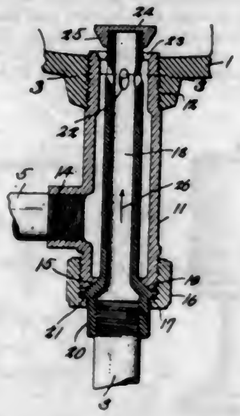
21. In a dispenser, a container having measuring and discharging mechanism within the same, a shaft journaled in a wall of said container to actuate said mechanism, a wheel having a plurality of shoulders, said wheel being fixed on said shaft, an actuating lever rotatively supported on said shaft and having a pivoted cam lever engaging between said shoulders, stop means for said actuating lever, resilient means tensioned between said cam lever and said actuating lever, a transverse handle on said lever, and a thumb rest on said container to facilitate actuation of said lever.

1,639,371. SEAT CONSTRUCTION. LOWELL C. FREEMAN, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a Corporation of Virginia. Filed June 15, 1925. Serial No. 37,328. 7 Claims. (Cl. 155—13.)



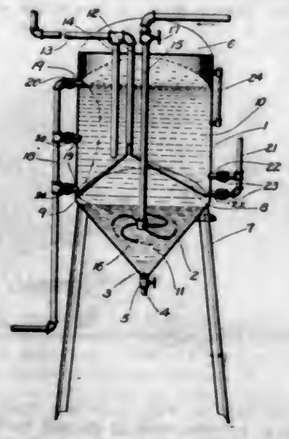
1. The combination with a vehicle body having a floor board, of a spider mounted on said floor board and having a rearwardly projecting leg, an enlargement at the free end of said leg adapted to rest on said floor board, a spindle mounted in said enlargement, and a seat mounted to rotate on said spindle.

1,639,372. VALVE. ARTIMUS C. GAINES, Portland, Oreg. Filed Aug. 12, 1926. Serial No. 128,795. 1 Claim. (Cl. 103—262.)



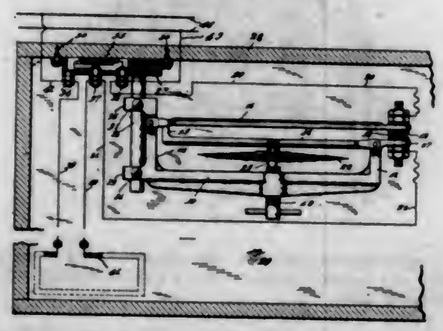
In a device of the class described, a casing having an open end, a nozzle within the casing and extended at one end beyond the open end of the casing, said end of the nozzle being closed and being provided with a lateral deflector spaced from the open end of the casing but located in the path of fluid passing through the open end of the casing, the nozzle being provided with openings located closely adjacent to the open end of the casing and disposed at an acute angle to the axis of the nozzle so as to discharge laterally and outwardly into the casing near to the open end thereof, an inlet for the nozzle and an inlet for the casing, the open end of the casing having a flared mouth, and the deflector having an inclined edge surface disposed approximately parallel to the wall of the mouth.

1,639,373. APPARATUS FOR RECLAIMING USED GASOLINE. WILLIAM C. GLOVER, Kansas City, Mo. Original application filed Oct. 23, 1922, Serial No. 596,446. Divided and this application filed Jan. 21, 1926. Serial No. 82,759. 9 Claims. (Cl. 196—15.)



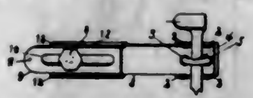
4. In an apparatus for reclaiming used gasoline, a gasoline clarifying tank, a baffle located in said tank and adapted to afford communication between the upper and lower portions thereof, means for delivering used gasoline to the lower portion of the tank, means for drawing off clarified gasoline from the upper portion of the tank, and means for venting air from beneath the baffle to the exterior of the tank.

1,639,374. THERMOSTATIC SWITCH FOR INCUBATORS. ARTHUR M. GOLDBERG, Indianapolis, Ind., assignor to Electric Controller Company, Indianapolis, Ind., a Corporation of Indiana. Filed Aug. 28, 1922. Serial No. 584,662. 1 Claim. (Cl. 200—140.)



A thermostatic switch, comprising a base, a supporting post carried by said base, a frame adjustably mounted on said supporting post and adjustable to different positions along the post, and a switch and thermostatic operating means for the switch completely carried by said adjustably mounted frame.

1,639,375. ADJUSTABLE EXTENSION FOR TREADLES. ARTHUR SAMUEL GREENBERG, New York, N. Y. Original application filed June 26, 1926, Serial No. 118,747. Divided and this application filed June 26, 1926. Serial No. 118,746. 2 Claims. (Cl. 74—81.)



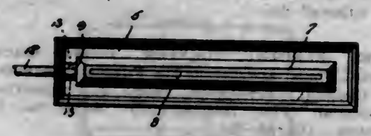
1. An adjustable extension for treadles comprising an arm formed of sheet material and comprising sides formed by bending the material at right angles to its face, and at one end of the said sides provided with aligned slots to form jaws for engaging the sides of a treadle lever, means in the bottom of said arm for entering a U-bolt, an extensible member slidably mounted to said arm and spaced from said jaws, and means secured to said arm for clampingly engaging said extension member, and means for securing a belt to said extension member.

1,639,376. CURVED CORDED-EDGE TAPE FOR SHOES. PAUL F. HESSE, Valley Falls, R. I. Filed May 13, 1925. Serial No. 29,983. 2 Claims. (Cl. 24—205.)



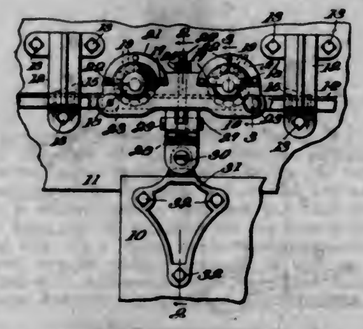
1. The combination with a shoe of a woven oppositely curved tape secured to the closure edges of the shoe upper, and having a woven tubular concave edge and a relatively large cord woven in said tubular edge.

1,639,377. OIL BURNER. THOMAS H. KELLY, New Castle, Pa. Filed Nov. 9, 1926. Serial No. 147,286. 1 Claim. (Cl. 158—91.)



An oil burner of the class described comprising a relatively elongated rectangular shaped oil pan having an elongated slot extending longitudinally through the bottom wall thereof, upstanding flanges at the edges of the slot extending above the upper edges of the side and end walls of the pan, the upper edges of the upstanding flanges converging inwardly to provide an air discharge nozzle, and means for facilitating the introduction of oil into the pan around the upstanding flanges comprising a boss interconnecting one end of the pan and the adjacent end of the upstanding flanges, said end wall being provided with a socket, a fuel supply pipe fitted at one end in said socket, said boss being formed with a passage, which communicates at one end with the socket, said boss being formed with an additional passage disposed transversely to the aforementioned passage and communicating therewith for delivering the fuel into the pan from opposite sides of the boss.

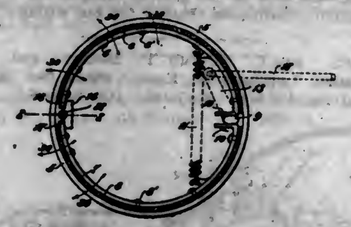
1,639,378. DOOR HANGER. GEORGE H. KNIGHT, Waterbury, Vt. Filed Jan. 16, 1926. Serial No. 81,752. 2 Claims. (Cl. 18—88.)



1. In a hanger for a sliding door adapted to move upon spaced parallel tracks, a carriage having a depending portion extending downwardly between the tracks, means to support said carriage for movement along said tracks, and to prevent a relative rocking of said carriage about an axis perpendicular to the line of the tracks, said carriage having a pocket therein at one side opposite one of said tracks, and a ball located in said pocket to engage said track to hold said carriage against a rocking movement about an axis parallel to the line of the tracks, and door supporting devices carried by said carriage.

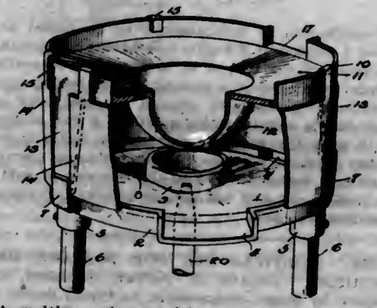
1,639,379. BRAKE-ADJUSTING DEVICE. MOSES LA LONDE, Springfield, Mass., assignor to Walter B. Russell, Springfield, Mass. Filed Dec. 10, 1926. Serial No. 153,849. 8 Claims. (Cl. 188—78.)

1. In combination, an axle housing having a threaded opening, a brake drum, brake shoes within the drum having their ends spaced from each other, devices for adjusting the brake shoes from the outside of the axle housing comprising a block member which is inserted between spaced ends, the block member having grooves with inclined bottom surfaces with which the spaced ends of the brake bands engage, a threaded device attached to the block which engages the threaded opening of the axle housing, and extending to the outside of the



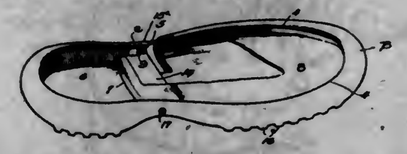
housing, whereby when the threaded device is operated the bands will be moved outward and their radius increased.

1,639,380. MELTING POT. JOSEPH O. LUTHY, San Antonio, Tex. Filed Dec. 7, 1925. Serial No. 73,803. 10 Claims. (Cl. 263—14.)



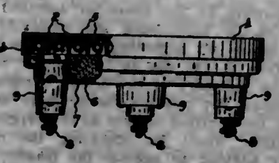
1. A melting pot comprising a central bowl, a shelf surrounding, extending from and inclined toward the periphery of the bowl to support the material being melted, means for supporting the shelf and bowl, and a burner disposed below the bowl.

1,639,381. PNEUMATIC SHOE SOLE. GEORGE MANELAS, Harrisburg, Pa. Filed Nov. 29, 1926. Serial No. 151,534. 7 Claims. (Cl. 36—29.)



1. A removable pneumatic sole for shoes or the like, comprising a flexible shell of impervious material initially shaped to conform substantially to the outlines of a shoe sole, a hollow bead formed on the upper periphery of said shell, and a flexible wire carried in said bead.

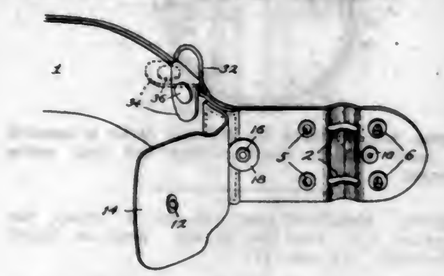
1,639,382. ELECTRIC HEATING ELEMENT. FREDERICK W. MOFFAT, Weston, Ontario, Canada. Filed June 8, 1926. Serial No. 114,447. 8 Claims. (Cl. 219—37.)



1. An electric heating element comprising a metal disk ribbed to form a groove; a series of porcelain blocks fitted into said groove, each block being formed with a

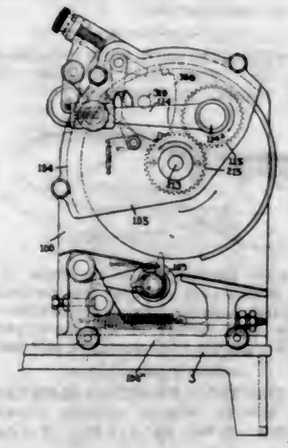
groove to receive resistance wiring; and a bridge adapted to retain the wire in the groove, the grooves forming a substantially continuous channel for the wiring.

1,639,383. BELT. COSIMO P. MORETTI and EGISTO MEZZERA, Leavenworth, Kans. Filed Dec. 6, 1926. Serial No. 152,904. 1 Claim. (Cl. 241—8.)



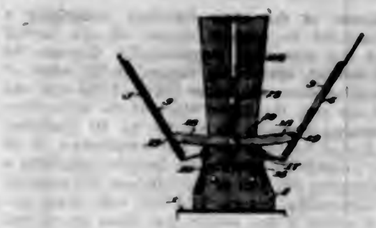
In combination, a belt adapted to be folded at one end over a portion of a buckle and having an opening for the passage of the tongue of said buckle, separable co-engaging fastening means secured to said belt at opposite sides of said opening and adapted to detachably secure the end of the belt in folded position, a flap secured to the belt near the end above-mentioned and adapted to cover the adjacent portions of said fastening means and the buckle, a socket secured to the free end of said flap, and a stud on the belt adapted to detachably engage the last-mentioned socket.

1,639,384. MULTIPLE DIE FOR POSTAGE METER MACHINES. ARTHUR H. PITNEY, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed June 19, 1923. Serial No. 646,443. 6 Claims. (Cl. 235—91.)



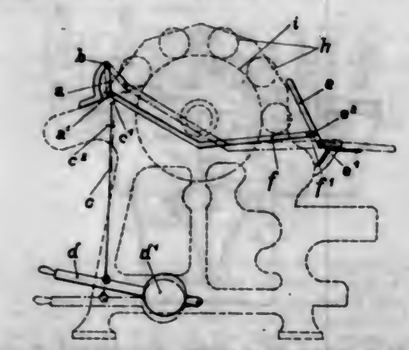
1. In mechanism of the character specified having a rotatable drum, a multi-faced die rotatably mounted therein and means for adjusting the die to enable any printing surface of the die to be brought to printing position at the periphery of the drum; a register in the drum; and means for rotating the drum to take an impression from the printing surface at the periphery of the drum; a master wheel for operating the register; a multiple gear adapted to operate the master gear, said multiple gear having sets of teeth respectively corresponding in number to the denominations of the respective printing surfaces of the die, and a cam member operated by the shifting of the die whereby the multiple gear is shifted when the die is shifted thereby causing the register to be operated in accordance with the denomination of the adjusted die.

1,639,385. ELECTRIC TOASTER. LUDWIG REICHOLD, Winsted, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Jan. 8, 1925. Serial No. 1,220. 9 Claims. (Cl. 53—5.)



2. In a toaster having a heater element, a frame, a pair of slice holders mounted on pivots in said frame, a slider mounted on said frame, a pair of toggle links pivoted to said holders and to said slider, and means to hold said toggle links in their end positions.
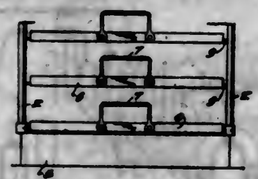
1,639,386. SAFETY DEVICE FOR STEAM MANGLES. EMIL RUMACH, Forst-Lausitz, Germany. Filed Aug. 3, 1925. Serial No. 47,779, and in Germany May 16, 1925. 1 Claim. (Cl. 192—137.)



A power operated machine of the mangle type, provided with front and rear safety guards hinged to suitable supports near their upper and lower edges respectively, a connecting rod, pivotally attached to said guards near their lower edges and having a slot at its rear end, a connecting pin projecting from the side edge of the rear guard and engaging with said slot, and automatic mechanism for stopping the operation of the machine on the opening of either guard, the connections between the guards being constructed and adapted to allow the front guard to be opened independently of the rear guard, and to cause the rear guard when opened to assume a dead centre position with reference to its pivotal connection, and thus to prevent the closing of the front guard, and the starting of the machine, while the rear guard remains open.

1,639,387. BOOKCASE. LESLIE WOOD SEWARD, Atlantic City, N. J., assignor to Record Book Cabinet Company, a Corporation of New Jersey. Filed Feb. 27, 1926. Serial No. 91,081. 6 Claims. (Cl. 45—1.)

1. A book-case comprising stationary plate rails extending inwardly from the sides of the case and formed with upwardly and lateral inwardly-extending portions at their inner ends, rollers journaled on the upwardly-extending portions of said rails, a shelf resting and slidable on said rollers, and brackets mounted on the under-face of



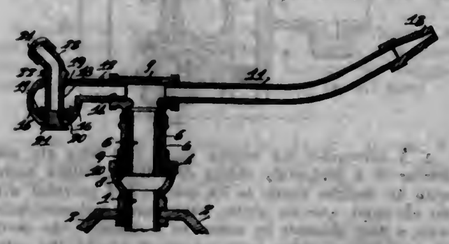
said shelf, said brackets carrying rollers bearing against the laterally-extending portion of the rail carrying the shelf-supporting rollers.

1,639,388. DISPENSING DEVICE. EUGENE STEBBINS, Des Moines, Iowa. Filed Oct. 19, 1925. Serial No. 63,322. 3 Claims. (Cl. 221—79.)



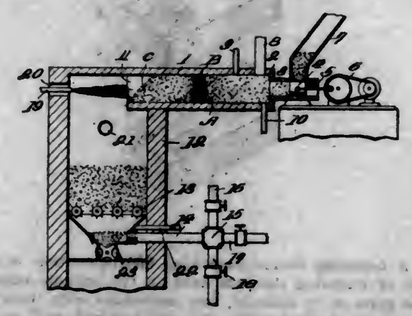
1. A dispenser of the class described comprising a tubular casing noncircular in cross section and having an inturned flange at its upper end, a disk adjacent said flange, a gasket between said disk and said flange, a piston actuating rod rotatably but non-slidably mounted in said disk and a piston, screw threadedly mounted on said rod whereby turning movement of said rod causes said piston to dispense material from said casing and maintains said disk tightly against said gasket and flange.

1,639,389. LAWN SPRINKLER. WILLIAM CHARLES TODD, Victoria, British Columbia, Canada. Filed Mar. 24, 1927. Serial No. 178,019. 5 Claims. (Cl. 299—69.)



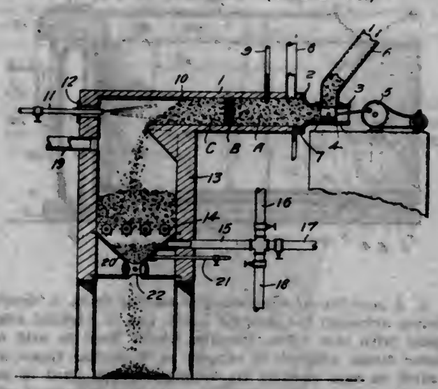
1. In sprinklers of the type stated, a stand pipe, a cross coupling rotatably mounted on the stand pipe, a long tubular arm secured to the coupling, a short tubular arm secured to the coupling, a main reaction nozzle secured to the long arm and directed angularly laterally thereof, a hollow balancing head on the end of the short arm having a vertical bore therethrough, a control nozzle comprising a hollow angularly directed portion and a hollow vertical shank, and means to adjustably secure the vertical shank in said bore against leakage and to vary the angular projection of the control nozzle relatively to said short arm.

1,639,390. CARBONIZING APPARATUS. GEORGE W. WALLACE, San Francisco, Calif. Filed May 18, 1925. Serial No. 31,148. 10 Claims. (Cl. 202—9.)



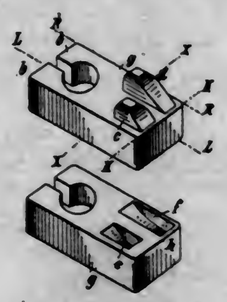
1. In a carbonizing apparatus, a short and wide, substantially horizontal reaction chamber in the form of a conduit, stoker means for supplying fresh material at one end and advancing the same therethrough as a charge filling the entire cross-section of said conduit, means for removing gases and vapors at the same end and localized heating means for impinging hot gases against a charge in the chamber at the other end, such localized heating means being adapted to permit the establishment and maintenance of a substantially stationary carbonising zone at one point in said reaction chamber.

1,639,391. PROCESS OF DISTILLING AND GASIFYING SOLID CARBONACEOUS FUEL. GEORGE W. WALLACE, San Francisco, Calif. Filed Jan. 13, 1926. Serial No. 81,119. 6 Claims. (Cl. 202—16.)



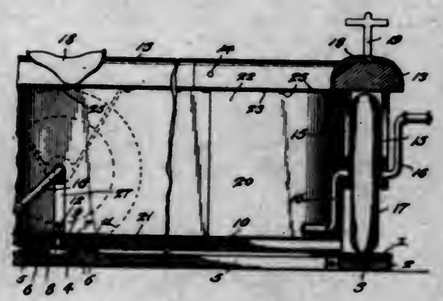
1. In the low temperature distillation and carbonisation and gasification of solid fuel containing volatile matter, the process which comprises establishing and maintaining a substantially horisontal moving column of material to be carbonised, impinging a flame of burning gases on one end of said column, passing said burning gases through the material in countercurrent, maintaining the opposite end relatively cool, whereby an intermediate stationary zone of carbonisation is established and maintained at a self-regulating temperature, and gasifying the hot materials coming from the end against which the flame gases are directed by passing a draft current through the materials to effect such gasification.

1,639,392. FASTENING DEVICE. ROBERT WITTENBERG, Breslau, Germany. Filed Jan. 11, 1927, Serial No. 160,408, and in Germany Aug. 6, 1926. 1 Claim. (Cl. 24—205.)



A fastening device comprising in combination, a number of fastening elements fixed on the opposite edges of the parts to be fastened, two projections with three substantially vertical walls and one inclined wall on one surface of each fastening element said element having two cavities in the lower surface and corresponding in shape and dimensions with said projections, said projections and said cavities standing at a certain distance the one from the other so that between every two projections a narrow gap and between every two cavities a narrow web is produced.

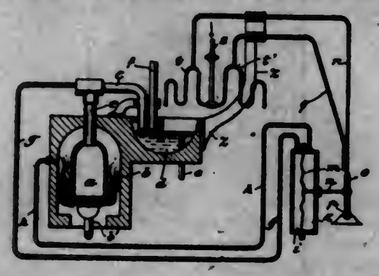
1,639,393. ROUNDABOUT. BENJAMIN F. WOODRUFF, Blue Diamond, Ky., assignor of one-half to William J. McHargue, Blue Diamond, Ky. Filed Nov. 23, 1925. Serial No. 70,794. 8 Claims. (Cl. 272—33.)



1. A roundabout comprising a circular track, a circular frame arranged for rotation above and in vertical alignment with said track, traction wheels fixed to said circular frame adapted to support said circular frame and travel on said circular track, pedal cranks fixed to said wheels, and a circular pan of a diameter coincident with that of the circular frame fixed to and supported below said circular frame for rotation therewith as a unit.

1,639,394. RETORT AND GAS-FLOW REGULATING APPARATUS. ERICH PAUL GUIDO WÜNSCH, Steglitz, near Berlin, Germany, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Filed Apr. 10, 1925, Serial No. 22,122, and in Germany Apr. 26, 1924. 3 Claims. (Cl. 48—113.)

1. A gas flow regulating apparatus having in combination, a gas retort, a heating furnace for the gas retort, a liquid seal wash box, a regulator controlled by the pressure of the gas in the retort, liquid admission means to the liquid seal of the wash box, a regulating device con-

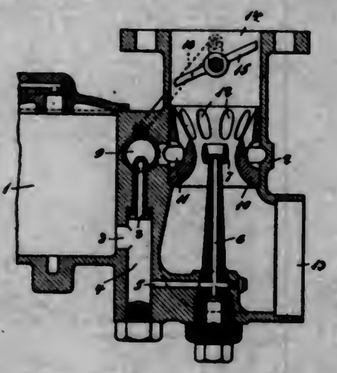


trolled by said regulator and controlling said liquid admission means, the gas flow being controlled by the height of the liquid seal in the wash box.

1,639,395. ADHESIVE LACQUER OR VARNISH COMPOSITION. CHARLES R. BRAGDON, Cincinnati, Ohio, assignor to The Ault & Wiborg Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 16, 1926. Serial No. 81,771. 9 Claims. (Cl. 134—26.)

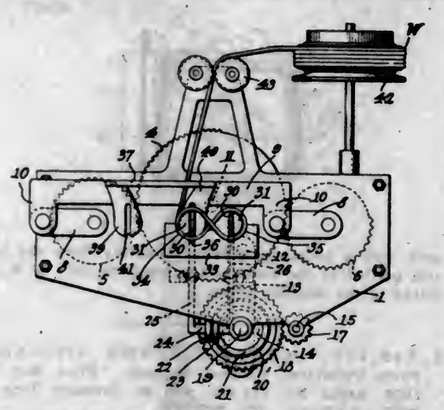
5. A lacquer or varnish composition which is non-adhesive at ordinary temperatures after baking, but which will become strongly adhesive when subsequently heated, which includes a mixture of varnish resins, consisting of copal resin and rosin; drying and semi-drying oils; calcium hydrate, resinate of manganese; and a bituminous coloring material,—substantially in the proportions as described, the mixture being reduced to liquid form by the addition of mineral spirits.

1,639,396. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. CARL CARLSSON, Stockholm, Sweden. Filed Apr. 23, 1925, Serial No. 25,286, and in Sweden Feb. 21, 1925. 5 Claims. (Cl. 261—41.)



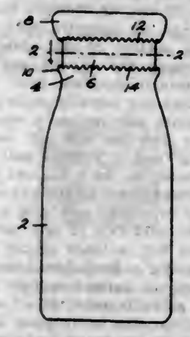
1. A carburetor for mixing liquid fuel with air, consisting of a preferably chiefly cylindrical, hollow casing with an upright nozzle in its centre, and provided with an air inlet and an outlet, said nozzle communicating with a float chamber by means of a channel; the cavity of said hollow casing being narrowed around the outlet opening of said upright nozzle by means of a separate venturi; said channel from the float chamber to said upright nozzle branching out into a channel in the wall of the said hollow casing, the last named channel opening by means of a nozzle into the interior of a hollow valve that controls a channel communicating with holes in the said venturi, said holes opening into the interior of the venturi.

1,639,397. WIRE-BENDING MACHINE. WILLIAM L. CLOUSS, Tiffin, Ohio, assignor to The National Machinery Co., Tiffin, Ohio. Filed Nov. 13, 1926. Serial No. 148,292. 9 Claims. (Cl. 140—71.)



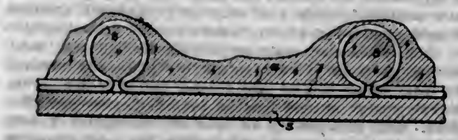
1. A machine for bending wire into a figure 8 coil including a stationary shaping element having separate stock receiving recesses, shaping cores movable into the respective recesses, means for advancing and retracting the cores alternately, and separate forming dies for bending stock successively over the respective cores and into the recesses.

1,639,398. MILK BOTTLE. DAVID F. CUNNINGHAM, Kansas City, Mo. Filed Aug. 17, 1925. Serial No. 50,706. 1 Claim. (Cl. 215—31.)



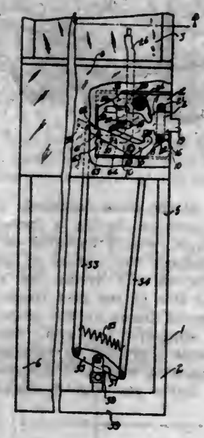
A bottle having a neck with a panel for holding a label, and moldings at the top and bottom of said panel provided with irregular adjacent margins for engagement with the upper and lower margins of said label.

1,639,399. BUILDING CONSTRUCTION. DANIEL B. DANIELSON, Milwaukee, Wis. Filed Jan. 11, 1926. Serial No. 80,593. 2 Claims. (Cl. 72—101.)



1. In a building construction, a cast member, an elongated non-yielding rod formed with off-set portions, the off-set portions being embedded in said cast member, and the entire rod portion being spaced from the surface of the cast member, and a plaster base tied at spaced points to said rod.

1,639,400. DOOR LATCH. WILLIAM C. DEVEREAUX, Detroit, Mich. Filed Mar. 9, 1925. Serial No. 14,264. 17 Claims. (Cl. 292—173.)



1. The combination with a door, and a latch having a case plate and a cover plate, of rivets permanently secured to one of said plates, and means extending through said rivets for securing the assembled plates to said door.

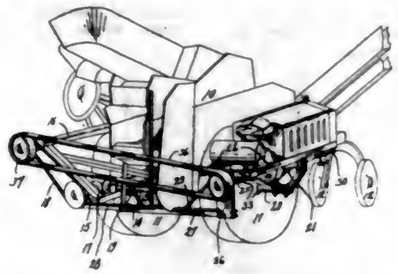
8. In a door latch, the combination with two levers operable from opposite sides of a door, and arranged to retract said latch, and means including a horizontal projection on one of said levers at the lower end thereof engageable in a certain position of said lever with the other lever to lock the last mentioned lever from effective operation.

1,639,401. ROTARY BOLT AND STRIKER PLATE FOR AUTOMOBILE DOOR LATCHES. WILLIAM C. DEVEREAUX, Detroit, Mich. Filed Aug. 30, 1924. Serial No. 735,146. 3 Claims. (Cl. 292—340.)



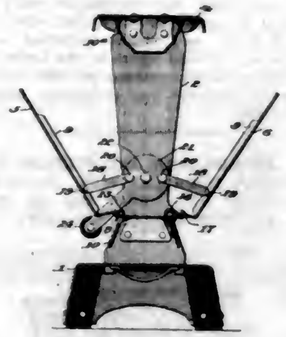
1. In a vehicle door latch, the combination of a latch bolt pivotally mounted on the door, a striker plate mounted on the door jamb and having an inclined wall arranged to force the inward swinging of the latch bolt during the closing of the door and an arcuate latch bolt retaining wall arranged to be engaged by the latch bolt after it has ridden over said inclined wall, and a spring arranged on the door to normally press the latch bolt outwardly from the door, the latch bolt being mounted to swing from a center other than that from which the retaining wall of the striker plate is struck.

1,639,402. MOTOR MOUNTING FOR CORN HARVESTERS. JOHN C. ERICKSON, Marathon, Iowa. Filed Nov. 25, 1925. Serial No. 71,377. 4 Claims. (Cl. 56—18.)



4. In a device of the class described, the combination of a harvesting machine, having a frame, an axle supported on the frame, wheels mounted on the axle, said axle projecting beyond the wheels at one side of the machine, a power unit, a frame for supporting said power unit at the side of the first frame, a member for supporting the second frame on the projected end of the axle, a member supported on said frame, said power unit having an axle journaled in said member and another member connected with said first-described member and the second frame and rigidly connected with the first frame.

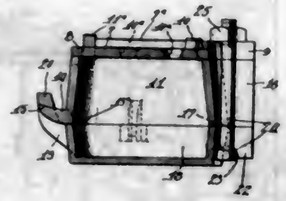
1,639,403. ELECTRIC TOASTING DEVICE. MAURICE F. FITZGERALD, Winsted, Conn., assignor to The Fitzgerald Mfg. Co., Torrington, Conn., a Corporation of Connecticut. Filed Feb. 12, 1925. Serial No. 8,769. 7 Claims. (Cl. 53—5.)



1. In a toaster having a vertical heater element, a pair of horizontally pivoted slice holders, resilient means to move said holders inwardly about their pivots toward the heater element, links connected to said holders, a rotatable actuating member, pivotal connections between said links and said member eccentric to the axis of said member so that said holders are moved simultaneously to open and closed position by rotation of said member, means to limit the movement of said member when said holders are being brought towards said heater element, and means to limit the movement of said member when said holders are being moved from said heater element.

1,639,404. DENTAL FLASK. DAVID FOLB, Akron, Ohio. Filed May 8, 1926. Serial No. 107,812. 3 Claims. (Cl. 18—33.)

1. A dental flask of the class described including, in combination, a bottom body part, a top body part and a cap plate, means at the rear of the parts and plate to hold them together, a loop-like frame projecting forwardly and upwardly from the front of the bottom body



part, and a tongue projecting forwardly from the bottom portion of the front of the top body part to be received in the loop-like frame.

1,639,405. BUTTONHOLE-SEWING APPARATUS. FRITZ FRÖHLICH, Breslau, Germany. Filed May 24, 1926. Serial No. 111,447, and in Germany June 5, 1925. 2 Claims. (Cl. 112—77.)



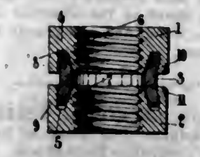
1. A buttonhole sewing apparatus, comprising a horizontal plate having a fork-shaped aperture at the right end and a rectangular aperture for the needle of the sewing machine, a semi-circular aperture close to said fork-shaped aperture and an aperture near the left end, a foot on the upper surface of said plate for fixing said plate on the presser bar of the sewing machine, a ratchet wheel rotatably mounted near the left end on said plate, a feeding bar movably mounted on the lower surface of said plate and having a central aperture, a rectangular cavity near the left end and a longitudinal slot near the right end, a vertical axle of said ratchet wheel, a pinion keyed on the lower end of said axle and extending into said aperture at the left end of said plate, a longitudinal bar extending over said ratchet wheel and fixed on said plate, said axle of said ratchet wheel being journalled in said bar, a blade spring on said longitudinal bar and having a hook-shaped end engaging with said ratchet wheel, an upright support on said plate, a two-armed lever pivotally mounted in said support and having a longitudinal slot in its front arm and an open slot in the end of its front arm gripping over the guide screw of the needle bar, a pawl hingedly mounted on the rear end of said two-armed lever and engaging with said ratchet wheel, a system of articulated levers upon the front part of said plate, a stud on the rear end of said system of articulated levers and engaging with said longitudinal slot of said two-armed lever, an apertured plate having two inclined surfaces oscillatably mounted on said supporting plate at the front end of the same, a downwardly projecting stud at the front end of said system of articulated levers and engaging with said aperture of said oscillatable plate and with the fork-shaped aperture of said supporting plate, a downwardly projecting pin on said oscillatable plate projecting through said semi-circular aperture of said supporting plate and through the longitudinal slot of said feeding bar, a feeder on the central portion of said feeding bar on the lower surface of the same and having an aperture corresponding with said central aperture of said feeding bar, and means in the rectangular cavity of said feeding bar at the left end of the same for operatively engaging said pinion on said ratchet wheel.

1,639,406. APPARATUS FOR SPINNING YARNS. ELLIS HARTLEY, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Oct. 5, 1926. Serial No. 139,625. 1 Claim. (Cl. 118—40.)



In a machine of the character described, in combination, a stationary spindle, a bobbin tube slidably and rotatably mounted on said spindle, a cap supported by said spindle, a collar adjustably mounted on the lower part of said cap, a spinning ring supported by said collar, a traveler coacting with said ring, and a nut locking the ring to the collar.

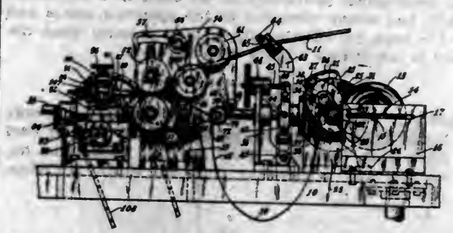
1,639,407. LOCK NUT. HENRY THOMAS HUTTON, Donaghadee, Ireland. Filed Nov. 2, 1926, Serial No. 145,769, and in Great Britain Feb. 11, 1926. 5 Claims. (Cl. 151—15.)



1. A locknut comprising two separate nuts having recesses at their adjacent ends concentric with the taphole, the walls of said recesses being of gradually decreasing diameter toward the adjacent ends of the nuts, and a ring engaging said walls, the ring being of generally curved form in cross section, and the diameters of the walls of the recesses and the resistance thereof to distortion being such that the ring cannot normally bed on the bottoms of the recesses, so that upon screwing the nuts together upon a bolt the end threads of the nut are pressed circumferentially into the threads of the bolt thus securing a locking effect.

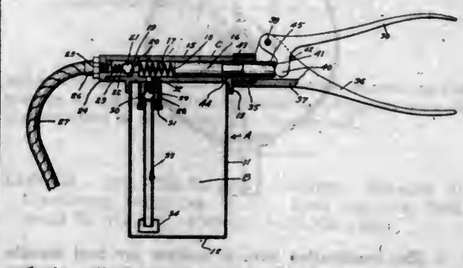
1,639,408. METHOD AND APPARATUS FOR COVERING TUBING. WILLIAM E. JAQUITH, BENJAMIN A. EVANS, and GEORGE FOERSTNER, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 4, 1924. Serial No. 729,946. 16 Claims. (Cl. 154—6.)

1. The method of applying a rubberised fabric cover to rubber tubing which comprises flattening the tubing against rubberised fabric tape by progression lengthwise of the tubing and tape to cause adhesion of a comparatively wide longitudinal zone of the wall of the tubing thereto, releasing the flattening pressure to permit the tubing to assume its normal shape, then folding the tape about the normal-shaped tubing progressively from the attached to a marginal portion thereof by an abrupt



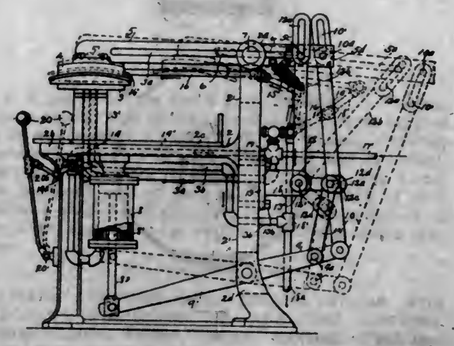
wiping of the tape into contact with the tubing effected by progression lengthwise of the work and concurrently along a line disposed helically of the work.

1,639,409. OIL INJECTOR. JOHN S. JOHNSON and AUGUST JOHNSON, Fargo, N. Dak. Filed Jan. 13, 1923. Serial No. 612,496. 3 Claims. (Cl. 221—51.)



1. An oil injector comprising an oil reservoir, a cylinder secured to said oil reservoir having a uniform bore throughout its length, check valved passages connecting said cylinder with the exterior and interior of said reservoir, a piston of a maximum diameter equal to the bore of said cylinder, normally extending outwardly beyond the same, said piston being formed with an annular passageway of a length substantially equal to the stroke of said piston, said passageway being at all times within the bore of said cylinder and a drainage port from said cylinder to said reservoir, communicating with said passageway.

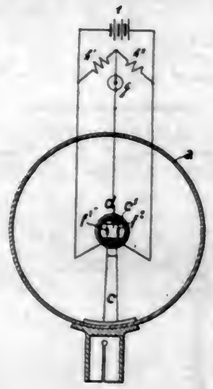
1,639,410. POWER PRESS IRONER. WILLIAM J. LEWIS, Syracuse, N. Y. Filed Dec. 24, 1926. Serial No. 156,896. 6 Claims. (Cl. 68—9.)



1. A power press ironer including a frame, a movable head and a stationary buck carried by the frame, a beam for supporting the head, guiding means carried by the

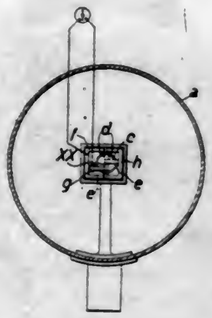
frame and movably supporting said beam, operating means, a bell-crank operated by said operating means, means connecting the bell crank with the beam for effecting longitudinal movements of the beam in a horizontal plane, and means connected to the operating means and to the beam for effecting the ironing pressure when the head is moved into registry with the buck.

1,639,411. RECEIVER FOR HEAT SIGNS. ROBERT MECHAU, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921, Serial No. 492,135, and in Germany Nov. 25, 1916. 2 Claims. (Cl. 73—32.)



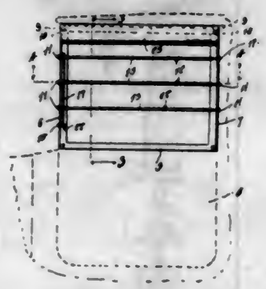
1. The combination with a receiver for heat signals, comprising a casing having an aperture therein, a collective optical system fixed relatively to the aperture, and two heat sensitive devices, both said devices being located in the said casing in the focal plane of the said system near each other, and one of the same coinciding with the focal point of the said system, of a source of current, a current indicator and means connecting both said devices and the current indicator in such a manner that one of the devices influences the current indicator in the opposite sense to the other.

1,639,412. INDICATOR FOR HEAT RAYS. ROBERT MECHAU, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 13, 1921, Serial No. 492,136, and in Germany Oct. 25, 1917. 2 Claims. (Cl. 73—32.)



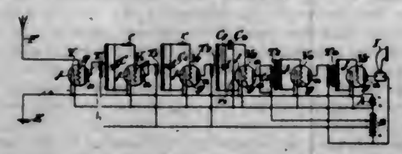
1. In an indicator for heat rays the combination with a casing having an aperture therein, of a collective optical system fixed relatively to the aperture, a semispherical mirror having a smaller diameter than the said system and being fixed within the said casing, the centre of curvature of this mirror coinciding with the focal point of the said system and its opening facing this system, and a heat sensitive device located in the said casing in the focal plane of the said system, set off from the axis of the same.

1,639,413. AUTOMOBILE SUNSHADE ATTACHMENT. JOHN MENZIES, Fresno, Calif. Filed July 20, 1926. Serial No. 123,769. 3 Claims. (Cl. 296—95.)



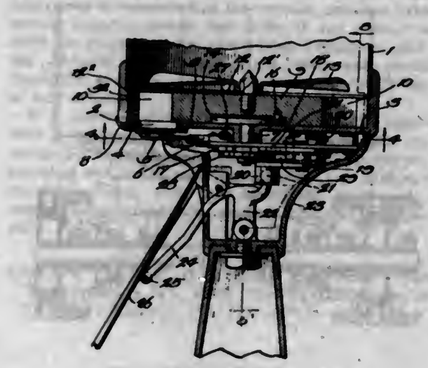
1. A sun shade attachment for automobile doors comprising a rectangular frame open at the center and provided with side flanges, a plurality of panels extending transversely across the center of the frame and equipped with terminal trunnions journalled in said flanges to provide a pivotal mounting for the panels, a vertically extending actuating bar mounted to lie inwardly of one of said side flanges and pivotally secured to each of said panels, a bolt having a head engaging the outer surface of said last-mentioned flange, a squared portion slidable in a vertical slot formed in said flange and a shank passing through an opening in said actuating bar, and a handle member threaded on said shank to bear against the inner side of said actuating bar, said handle being adjustable on the shank in the direction of the actuating bar to secure the latter and the panels in various positions of adjustment.

1,639,414. RADIO RECEIVING SYSTEM. JOHN M. MILLER, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 23, 1926. Serial No. 117,964. 17 Claims. (Cl. 250—20.)



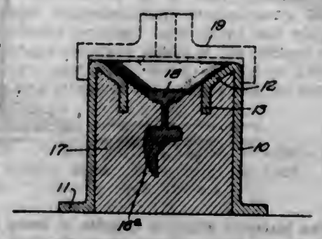
1. A radio receiving system comprising the combination with an absorption structure, of a receiving set comprising a plurality of three-electrode thermionic devices in cascade and at least one of which amplifies the absorbed radio frequency energy, devices associated with said thermionic devices for tuning circuits in cascade to the same wave lengths throughout the same range of wave lengths, and means for insuring that the adjustable elements of said tuning devices shall partake of equal extents of movement in adjusting from resonance for one wave length to resonance for another wave length comprising a three-electrode thermionic amplifier whose output circuit is coupled to the input circuit of the first of said thermionic devices and whose grid and cathode are directly connected with said absorption structure.

1,639,415. DISPENSER. STEPHEN J. POPLAWSKI, Racine, Wis., assignor to The Arnold Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed June 28, 1924. Serial No. 722,998. 16 Claims. (Cl. 221—108.)



1. In a dispenser, a container having an aperture in its lower side, said aperture being bounded by a flat seating surface, measuring and discharging mechanism in said container including a rotatable member having vibratable partitions, a sliding closure resiliently pressed against said seating surface and common means to actuate said measuring mechanism and said closure.

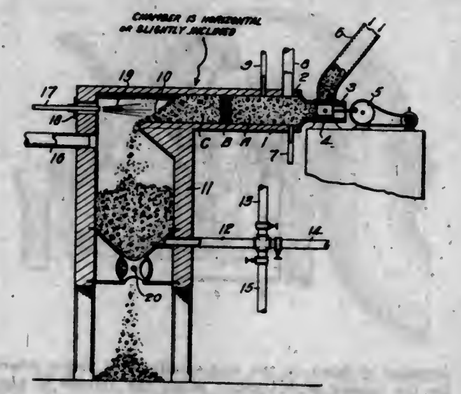
1,639,416. DENTAL CASTING FLASK. HARRY SPIRO, Chicago, Ill. Filed Aug. 28, 1926. Serial No. 132,211. 2 Claims. (Cl. 22—97.)



1. An integrally formed dental casting flask comprising a cylindrical portion having a wide supporting flange at its base, and an inverted cone-shaped sprue-gate at its top terminating in a depending flange forming a short cylinder concentric with the aforesaid cylindrical portion and of relatively large diameter in relation to the sprue.

1,639,417. METHOD OF CARBONIZING FUEL. GEORGE W. WALLACE, San Francisco, Calif. Filed May 24, 1926. Serial No. 111,391. 7 Claims. (Cl. 202—8.)

1. In the production of coke or smokeless fuel and by-products by carbonization the process which comprises establishing and maintaining a moving substantially horizontal pervious column of fragmentary solid carbonizable material in a chamber of conduit form as a full area charge, one end of said column being formed by incoming relatively cool material, impinging a flame on the other end of said column and transmitting hot flame



gases through said column in a direction counter to the passage of solid materials, whereby a stationary zone of carbonization is established and maintained.

1,639,418. ICE-CREAM-CAN JACKET. RICHARD C. WASHBURN, Saugerties, N. Y. Filed Apr. 30, 1924. Serial No. 710,125. 6 Claims. (Cl. 150—52.)

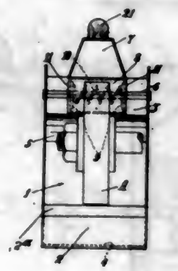


1. A jacket for ice cream cans including in combination, a tubular body portion closed at the bottom, adapted to fit and insulate a can, and formed of heat insulating material, a plurality of pairs of opposed flaps of insulating material to close the end of said jacket over a can, the combined area of each pair of flaps being of such size and shape as to substantially close the open end of the jacket and means for holding the flaps in closed position.

1,639,419. TROUGH AND SPLASH GUARD FOR ROTARY POLISHING OR ABRADING DEVICES. SAMUEL HOGG WILSON, Glasgow, Scotland. Filed Dec. 21, 1926, Serial No. 156,184, and in Great Britain Sept. 26, 1925. 4 Claims. (Cl. 51—268.)

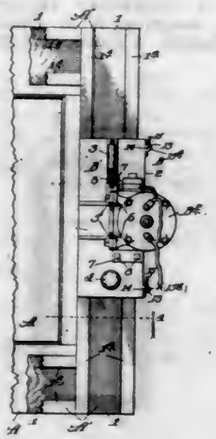
1. In rotary abrading devices, the combination of a rotatable shaft and any one of a number of interchange-

able abrading members adapted to be supported thereby, with a broad trough, a spindle fixed in and spanning the sides of the trough, a narrow canopy slidable and



turnable by hand on the said spindle, and means whereby the canopy when turned about the spindle is automatically retained in its adjusted position.

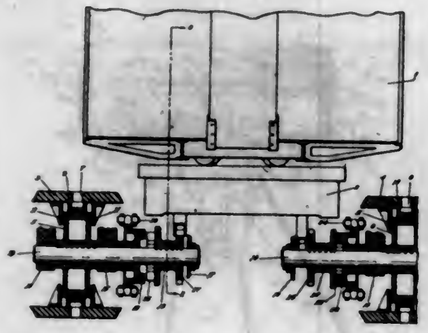
1,639,420. EDGE PLANER. JOHN E. AHLVIN, Joliet, Ill. Filed July 24, 1926. Serial No. 124,654. 6 Claims. (Cl. 144—117.)



2. An edge-planer comprising a base-plate equipped at its upper side with handles and at one lateral edge with a guide-flange; a vertical revolving cutter journalled at one lateral edge of said plate and depending below said guide-flange; and a vertical motor mounted on said guide-plate and having its armature shaft connected directly with the shaft of said cutter.

1,639,421. STEAM SHOVEL. HARRY J. BARNHART, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a Corporation of Ohio. Filed Sept. 10, 1921. Serial No. 499,797. 4 Claims. (Cl. 180—92.)

1. A steering device for steam shovels of the endless chain type comprising traction units, driving mechanism for each of said units including a clutch member provided with a flange having cut away portions about its periphery thereof adapted to be moved into or out of operative engagement with said mechanism, and a locking dog provided with a pin at its lower end movably mounted



upon the steam shovel frame adapted to engage a cut away portion of said clutch member to lock the same in its inoperative position and against rotation.

1,639,422. ADJUSTABLE WIRE MATTRESS. EMANUEL ERNST BARNA, Bratislava, Czechoslovakia. Filed Aug. 13, 1924, Serial No. 731,840, and in Czechoslovakia Oct. 15, 1923. 3 Claims. (Cl. 5—202.)



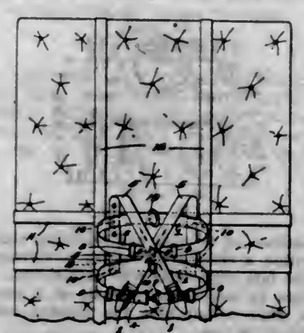
1. A wire mattress which is capable of being adjusted both in the longitudinal and transverse direction, comprising in combination two longitudinal rails and two transverse rails constituting a frame, the transverse rails each consisting of a tubular part and two tubular members capable of sliding in the same, a longitudinal slot in the tubular part and a longitudinal slot in each of the two tubular members, and the longitudinal rails each consisting of two parts and an adjustable hinge connecting the two parts, and further comprising a wire net, the transverse edges of the net being capable of being inserted in the said slots of the two transverse rails, a wire capable of being threaded through the meshes at the edges of the net within the slotted transverse rails for retaining them there, and means for attaching the ends of the transverse edges of the net to the exterior ends of the said two slidable members of the transverse rails, whereby the net may be adjusted in width by sliding the slidable members of the transverse rails apart and thereupon tensioned in length by straightening the hinges of the longitudinal rails, as set forth.

1,639,423. PREPARATION OF PIGMENTS AND PAINTS. JOSEPH BLUMENFELD, London, England, assignor to Blumann Rare Earths Chemical Company, a Corporation of Delaware. Filed Apr. 22, 1926, Serial No. 103,972, and in Great Britain Apr. 22, 1925. 9 Claims. (Cl. 134—58.)

1. Process for the preparation of a coating material containing a compound of the type of titanium oxide and having covering power, but little, if any, action on the acids in paint vehicles, comprising adding to said coating material a metallic oxygen compound capable of liberating hydrogen peroxide by reaction with the acid in said vehicles.

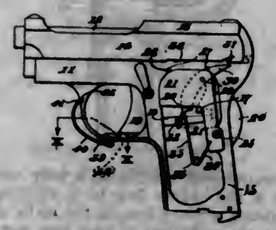
8. A coating material resulting from the association with a calcined titanium oxide compound, and another compound of lesser pigmenting power, of an oxygen compound of one of the metals of the first two groups of the periodic system, said last mentioned compound being capable of reacting with acid to liberate hydrogen peroxide.

1,639,424. BABY HARNESS. MARGARET BRESLIN, Watertown, N. Y. Filed Apr. 21, 1925. Serial No. 24,884. 3 Claims. (Cl. 128—134.)



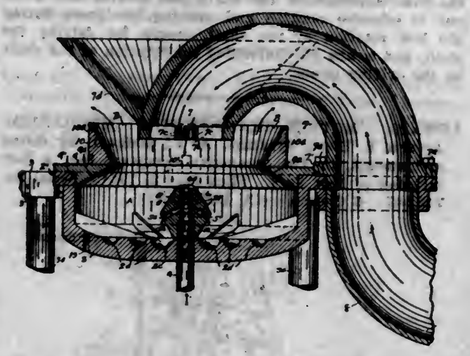
1. The combination of a baby harness comprising spaced apart transverse back straps and a base having correspondingly arranged back straps and rings through which the corresponding straps of the harness and of the base extend, said rings being capable of sliding along both the back straps of the harness and the straps of the base.

1,639,425. AUTOMATIC FIREARM. VINCENZO CAPOLUPO, East Boston, Mass. Filed Sept. 24, 1925. Serial No. 58,443. 7 Claims. (Cl. 42—3.)



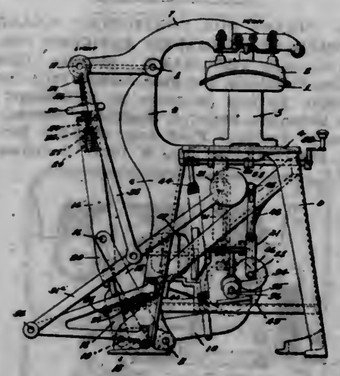
1. In combination with an automatic firearm of the breech recoil type, wherein a breech slide retracts a firing pin and places the latter in cocked position to be retained by a sear, and wherein a trigger connector operates the sear, and wherein means is provided for holding the trigger connector disengaged from the sear, means for operating the sear operable by the breech slide.

1,639,426. OIL BURNER. DOMINICK CASWELL, Watertown, N. Y. Filed Mar. 7, 1927. Serial No. 173,898. 6 Claims. (Cl. 158—91.)



1. An oil burner comprising a base having a normally open top, an air conduit supported by the base, its free end disposed above and adapted to discharge the air toward the center of the base, said conduit being arranged with a frusto-conical portion adapted to spread the products of combustion rising from the base, a cover for the base having a flaring portion arranged parallel to the tapered wall of the frusto-conical portion to provide an annular outlet for the heat, a mixing member rigid to the bottom of the base having an oil passage pointing towards the discharge end of the conduit, an oil pipe protruding through the bottom of the base and threaded into the mixer member, and a gravitative valve for controlling the flow of the oil from said passage.

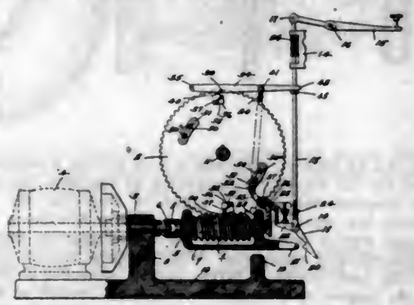
1,639,427. PRESSING MACHINE MECHANISM. ALBERT B. CLISSON, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Aug. 7, 1924. Serial No. 730,760. 7 Claims. (Cl. 68—9.)



1. In a pressing machine, the combination of cooperating pressing elements, one movable toward and from the other, means for actuating the movable element comprising a power member, connections between the power member and the movable element including parts normally out of effective motion transmitting relation and movable into effective relation by a preliminary closing movement of the movable element, an intermittently rotatable shaft having means associated therewith for coacting with the

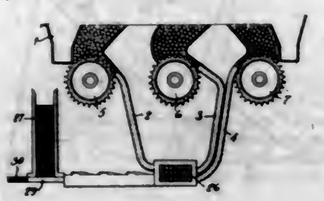
power member to actuate it, and motion transmitting members between said shaft and the movable pressing element to preliminarily close the press and bring the parts into effective motion transmitting relation during the first movement of the shaft, and moving said parts out of effective relation and opening the press during the last rotation of the shaft, means for driving the shaft, and means for controlling the rotation of the shaft by the driving means.

1,639,428. MOTION-TRANSMITTING MECHANISM. JOSEPH P. DALY, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., a Corporation of New York. Filed May 9, 1924. Serial No. 712,047. 6 Claims. (Cl. 192—139.)



1. A motion transmitting mechanism, comprising driving and driven elements, the driving elemeut including a worm, and the driven element including a worm gear for meshing with the worm, a carrier for the worm shiftable to carry the worm into and out of mesh with the worm gear, manual means for shifting the carrier to carry the worm into mesh with the worm gear, a holding member for holding the carrier with the worm engaged with the worm gear, means for releasing the holding member, the manual means comprising a connecting member and means for operating the connecting member to disengage the manual means from the carrier after the holding means is operatively engaged with the carrier.

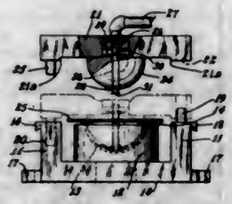
1,639,429. MEANS FOR PORTIONING CIGARETTES OR OTHER STAFF-SHAPED ARTICLES FOR THE PACKING OF THE SAME. GUNNAR CHRISTIAN EKSTRÖM, Stockholm, and BARON ANDERS EMIL JOHNSON, Appelviken, Sweden, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Corporation of Sweden. Filed Aug. 29, 1925, Serial No. 53,420, and in Sweden June 9, 1923. 2 Claims. (Cl. 226—5.)



1. In a device for portioning staff-shaped articles for the packing of same the combination of guide-ways for the said articles which at an assembling place extend in a substantially horizontal direction and are located above each other, so that the articles are gathered in parallel superposed rows, a piston for pushing a set of articles out from the said assembling place, members provided at the assembling place and means for forcing the said members against those articles, which are located nearest to the set of articles in each guideway in order to retain the articles in the guide-ways during the return stroke of the piston.

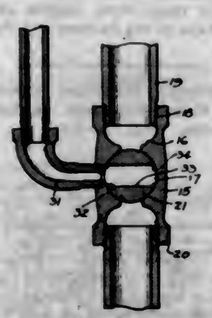
2. In a device for portioning staff-shaped articles for the packing of same and for incorporating a coupon, photo or the like to each set of articles the combination of guide-ways for the said articles which at an assembling place extend in a substantially horizontal direction and are located above each other, so that the articles are gathered in parallel superposed rows, a slide reciprocated at a magazine containing the coupons and provided with yielding members located behind each other and adapted to catch a coupon in the magazine and to transport the same onto the gathered set of articles, stationary members adapted to engage the coupon and hold the same in its new position, while the slide returns, and a piston for pushing a set of articles together with the coupon out from the said assembling place.

1,639,430. METHOD AND APPARATUS FOR MAKING HOLLOW RUBBER ARTICLES. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,513. 11 Claims. (Cl. 18—56.)



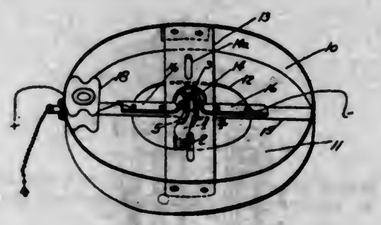
1. The method of forming and retaining plastic sheet material within a mold cavity which comprises pressing said material into conformity with said cavity, and holding it therein by mechanical pressure at a central part of its area while withdrawing the pressing means from another part of its area.

1,639,431. GAS-CONTROL COCK. HUGH B. HATTON, Jr., Glendale, Calif. Filed Apr. 29, 1926. Serial No. 105,551. 7 Claims. (Cl. 251—105.)



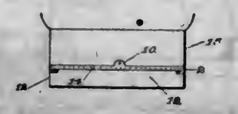
2. A gas control cock comprising a body adapted to be connected in a gas supply line to a building having a duct therethrough, a valve seat in the walls of the duct, a vent port in the valve seat, a vent pipe communicating with the vent port, a valve rotatable in the valve seat having a port therein to aline with the duct when in open position and to aline with the vent port when in closed position whereby leakage of gas past the valve will be vented to atmosphere through the vent pipe, to thereby prevent the passage of gas into the pipe line beyond the valve.

1,639,432. FIXTURE HANGER. GEORGE B. HOOBLER, Norwood, Ohio. Filed Aug. 18, 1925. Serial No. 51,056. 2 Claims. (Cl. 173—338.)



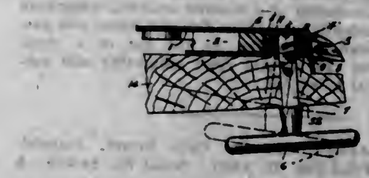
1. A fixture hanger comprising in combination with a mounting member having a rod of insulating material mounted on the member, spring contacts disposed on the rod, the spring contacts connected with a source of current, and a fixture engaging member with insulated hook shaped conductive plates thereon adapted to be connected with lights in the fixture, and the engaging member adapted to hook on the rod with the conductive plates in contact with the spring contacts.

1,639,433. DETACHABLE HEEL FOR BOOTS, SHOES, CLOGS, AND THE LIKE FOOTWEAR. FRANCIS ALEXANDER HUTCHISON, Wimbledon Park, England. Filed Aug. 28, 1925, Serial No. 53,186, and in Great Britain Dec. 12, 1924. 2 Claims. (Cl. 36—42.)



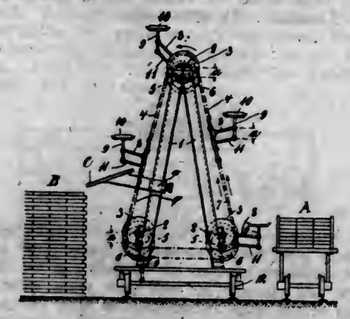
1. The combination of two plates of metal or other suitable material, and a heel-wearing-piece only, of wearable substance, one of the said plates having a rectangular channel on its outer edges save at the breast or instep arch end, and the other being perfectly flat save at the breast or instep arch end which is turned to form a protecting flange; either of which plates can be secured to the bottom face of the permanent heel of a boot, shoe or the like, and to the other can be affixed the said wearing-piece; both plates slidingly engaging and disengaging the one with the other, and having an internal locking device in the form of complemental indentations, automatic in action, one part in each plate, all substantially as set forth.

1,639,434. LATCH FOR AUTOMOBILE DOORS AND THE LIKE. LEWIS J. MORGAN, Syracuse, N. Y. Filed Feb. 14, 1922. Serial No. 536,592. 8 Claims. (Cl. 292—169.)



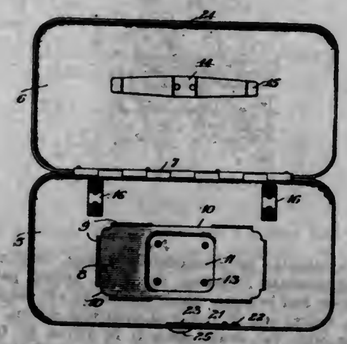
1. A door latch mechanism comprising a casing, a latch member movable in the casing and operating means for the latch-member comprising a part coacting with the latch member and a universal joint located in the latch casing and operable relatively to said part without disturbing the relation of said part to the latch member and a handle having a shank fixed to one member of the universal joint to move into a different angular position therewith relatively to said part.

1,639,435. CONVEYING AND PILING APPARATUS. HOLGER AUGUST ERIK NILSSON, Ockelbo, Sweden. Filed Aug. 26, 1924, Serial No. 734,342, and in Sweden Nov. 24, 1923. 2 Claims. (Cl. 198—138.)



1. In piling apparatus for boards, the combination of a frame number of wheels journalled in said frame, a number of groups of endless conveying members working over said wheels in such manner that said members in each group form congruent geometrical figures, which are located at different heights, a number of pairs of supporting arms the inner ends of which are rigidly fastened to certain of said endless members, the attaching points of the arms of each pair being located at a vertical distance from one another equal to the difference in height between the wheels, and a number of carrying members, each connected to a pair of arms so that the supporting surface of each member is thereby positively held in a horizontal direction during the working of the endless members and at a sufficient distance from said endless members for making it possible to pile boards.

1,639,436. CASE FOR HEMACYTOMETER AND SIMILAR APPARATUS. WILLIAM L. PATTERSON, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Filed May 12, 1923. Serial No. 638,636. 5 Claims. (Cl. 206—16.)



1. A case of the character described, comprising relatively movable body and cover sections, a tray within said body section comprising a dished portion secured to

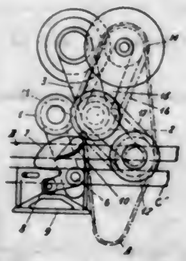
the body section and adapted to receive a slide cover plate, said portion having two of its sides extended in spaced and in substantially parallel relation to the casing wall upon which it is secured, said extensions being adapted to receive a slide and means upon the cover section adapted when the latter is closed to engage and hold the slide upon said extensions.

1,639,437. ELECTRICAL CONNECTER SOCKET OF THE WALL AND PLUG TYPE. MAURO GONZALEZ SAENZ, Colonia Postal, General Anaya, Mexico. Filed Aug. 6, 1925, Serial No. 48,549, and in Mexico June 8, 1925. 2 Claims. (Cl. 173—338.)



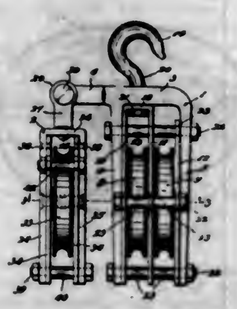
1. An attachment plug receptacle comprising an insulating body with recesses in one end thereof, two pairs of passages extending between the recesses and the front of the body, one passage of each pair being enlarged at the front of the body, in combination with two pairs of contacts having members disposed in the respective recesses and each disposed in its respective one of the pairs of passages, one contact of each pair being adapted to co-operate with one form of plug jack, the other contact of each pair being tubular to cooperate with a different form of plug jack and having one end flanged outwardly at the bottom of the enlarged front end portion of the passage in which it is disposed, the differing contacts of each pair being electrically connected together and adapted for connection with separate conductors at said recessed end of the body.

1,639,438. MACHINE FOR TREATING YARNS IN HANKS WITH LIQUID. JACQUES SCHLUMPF, Oberwinterthur, Switzerland. Filed June 3, 1924, Serial No. 717,629, and in Switzerland July 1, 1923. 2 Claims. (Cl. 8—19.)



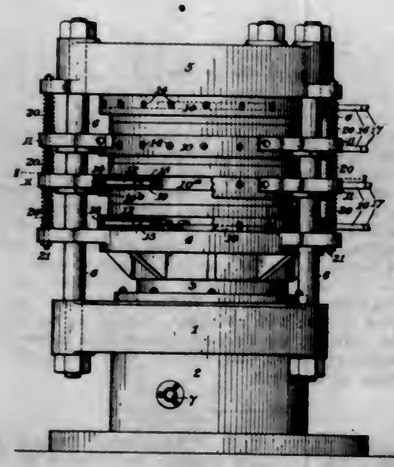
1. In a machine for continuously dyeing, washing and otherwise similarly treating yarns in hanks, pairs of rollers upon and between which the hanks are suspended, of which rollers one of a pair is positively driven, whilst the other with the hanks upon it is driven by friction from the first said roller, and means to lead-off the liquid squeezed out by the co-operating rollers from the hank, said means comprising a shallow trough adjustably mounted below the line of contact of the two rollers.

1,639,439. PULLEY BLOCK. WILLIAM G. SHEDENHELM, Tiffin, Ohio. Filed May 17, 1926. Serial No. 109,708. 4 Claims. (Cl. 254—192.)



1. A pulley block comprising a main frame, an auxiliary frame disposed at one side of said main frame, a hanger having its lower end swiveled to said auxiliary frame and its upper end pivotally connected with said main frame for swinging toward and away from the same, and pulleys rotatably carried by said frames.

1,639,440. STEAM PLATEN. FRANK H. SMITH, Cleveland, Ohio, assignor to Southwark Foundry & Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 21, 1926. Serial No. 117,539. 12 Claims. (Cl. 18—17.)



1. A disk-like heating platen having a continuous passage for the circulation of a heating medium, comprising a series of substantially radially disposed holes, and passages substantially tangential to the arc of a circle struck from the axis of said plate connecting said substantially radial holes.

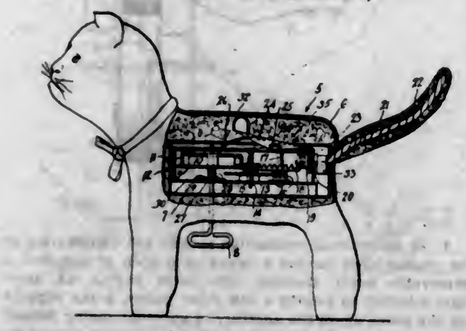
1,639,441. SAFETY RAZOR. OTTO SPAHR, Philadelphia, Pa. Filed Jan. 28, 1926. Serial No. 84,310. 3 Claims. (Cl. 30—12.)

1. A safety razor comprising a frame for a blade, a handle for the frame, and a universal connection between the hand hold of the handle and frame including a spherical like head and a spring pressed element engaging the head for frictionally retaining the frame and handle in their adjusted positions, said head having a



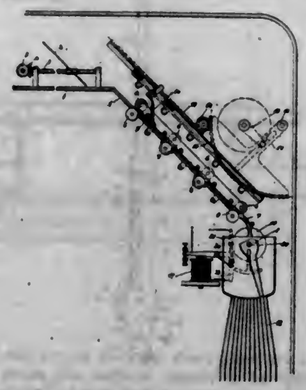
flattened end forming a seat for the spring pressed element for positioning the handle perpendicular to the frame.

1,639,442. TAIL-WIGGLING TOY. FERDINAND STRAUSS and OTTO R. STARKE, New York, N. Y., assignors to The Ferdinand Strauss Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1926. Serial No. 85,188. 4 Claims. (Cl. 46—40.)



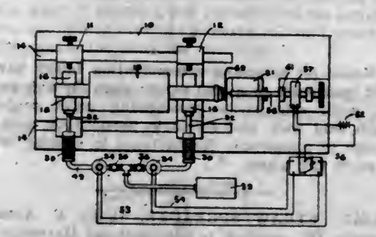
1. A toy of the nature described, comprising a body, a motor within said body, a resilient tail member rotatably mounted in the body, a pinion on the tail associated with said motor and an eccentrically mounted counterweight on said resilient tail member adapted to cause same to wag.

1,639,443. ARRANGEMENT FOR SORTING PERFORATED CARDS USED FOR STATISTICS, BOOKKEEPING, AND THE LIKE. GUSTAV TAUSCHEK, Vienna, Austria. Filed July 28, 1925, Serial No. 46,684, and in Austria Apr. 10, 1924. 9 Claims. (Cl. 209—110.)



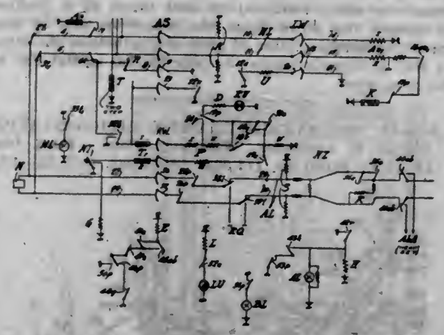
1. An apparatus for sorting perforated cards, comprising a support along which the cards are adapted to travel, a feeler adapted to enter the perforations of the card, a charger for receiving the cards from the delivery end of said support, said charger having an outlet movable to different positions for distributing the cards, a ratchet-wheel having a lost-motion operative connection with the charger, whereby said wheel may move without affecting the charger, electric means for feeding said ratchet-wheel, a circuit controlled by said feeler and operatively associated with said electric means to feed the ratchet-wheel, and a device for moving the charger to a position corresponding to the one to which the ratchet-wheel has been set by the said feeding means.

1,639,444. BALANCING MACHINE. MATSON C. TERRY, Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,261. 20 Claims. (Cl. 73—51.)



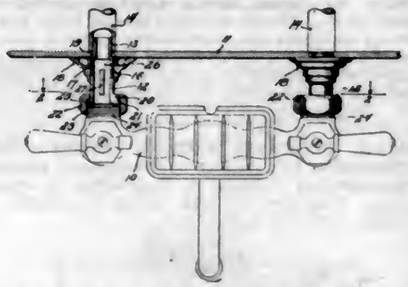
1. In a balancing machine, a stationary member, a movable member for supporting a body to be balanced, means for rotating the body, mechanism cooperating between the stationary member and the movable member for resisting movement of the movable member due to the unbalanced condition of the body an electrical circuit, and means responsive to the flow of current in the electrical circuit for controlling the application of energy to said mechanism.

1,639,445. TELEPHONE SYSTEM. ADOLF WASCHNACK, Neu Finkenkrug, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Filed May 22, 1924, Serial No. 714,998, and in Germany Sept. 20, 1923. 13 Claims. (Cl. 179—27.)



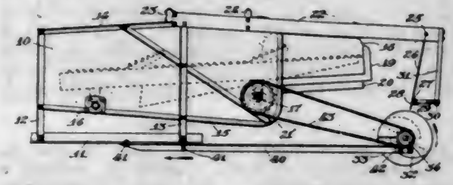
1. In a private branch exchange, a calling line, a finder switch, a connector switch, local telephone lines and a special line terminating in the banks of said connector switch, means operated by the calling line to cause said finder to find said calling line, means operated by said calling line to operate said connector to connect with one of said local lines or said special line, a second finder switch, an outgoing trunk to the main exchange, and means responsive to the connection of said connector with said special line to operate said second finder to connect the calling line with said trunk.

1,639,446. ATTACHING MEANS FOR COMBINATION FAUCETS. ROBERT C. ZANNOTH, Milwaukee, Wis., assignor to The Roberts Brass Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 31, 1927. Serial No. 164,762. 6 Claims. (Cl. 277—18.)



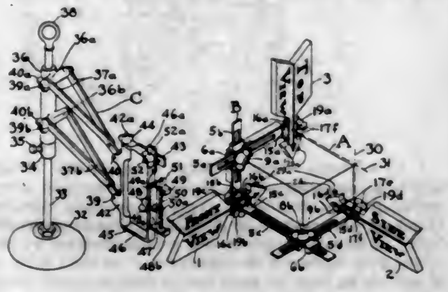
1. Means for attaching a combination faucet having a pair of inlet ports to spaced supply pipes through an apertured wall, said means comprising units projectable through said wall, and eccentric portions on said units rotatable to compensate for variance in spacing between said ports and pipes.

1,639,447. STRAW SPREADER. EMIL F. ANDERSON, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 1, 1922. Serial No. 540,159. 1 Claim. (Cl. 275—3.)



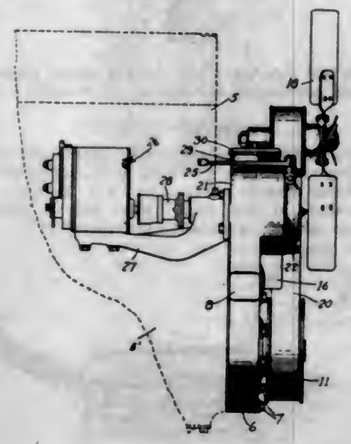
The combination with a harvester thresher having a frame carrying a grain and straw separator, of a straw spreading attachment therefor comprising a pair of oppositely pitched spiral spreading members arranged on a transverse shaft journaled on said frame in a position to receive the straw from the separator, one of said spreading members being of greater length than the other so that it extends across the longitudinal medial line of the separator.

1,639,448. MECHANICAL-DRAWING DEMONSTRATOR. ROBERT F. ASHBROOK, Waterbury, Conn. Filed June 21, 1926. Serial No. 117,362. 18 Claims. (Cl. 35—12.)



1. In a mechanical drawing demonstrator, a pair of direction finder members, each of said finder members having an arm connected thereto, a common support for said arms, and means for rotatably connecting said arms to said support for permitting said arms to be rotated into a common plane.

1,639,449. INTERNAL-COMBUSTION ENGINE. DAVID B. BAKER, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,496. 5 Claims. (Cl. 123—195.)



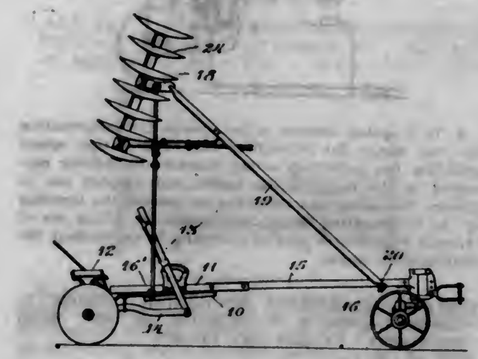
1. In an internal combustion engine, the combination of an engine block having a crank case open at one end, a removable cover therefor, the cover having an aperture adapted to receive a fan drive pulley, a fan support on the cover above the aperture, a governor casing formed in the cover, and a bracket adapted to support a magneto secured to the cover.

1,639,450. TORCH. CHARLES L. BASTIAN and JULIUS APSIT, Chicago, Ill., assignors to The Bastian Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 25, 1924. Serial No. 752,092. 4 Claims. (Cl. 158—27.4.)



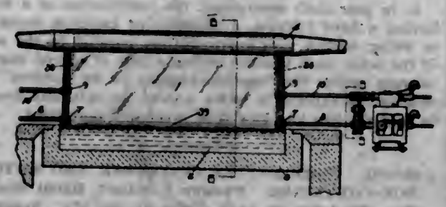
1. A torch having a tubular handle, a valve block at the rear end thereof and provided with a pair of separate passages therethrough, a pair of needle valves in said valve block, one for each passage, a pair of shut-off valves in said valve block, one for each passage, and positioned between said needle valves and said handle but outside of the latter, and an operating member for said shut-off valves pivoted to said valve block outside of said handle and between said needle valves and said shut-off valves extending lengthwise of and within said handle, and having an actuating part outside of the handle adjacent to the front end of the latter.

1,639,451. DISK HARROW. SHERMAN W. CADY, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 17, 1922. Serial No. 553,768. 12 Claims. (Cl. 55—83.)



1. The combination with a harrow comprising a frame and a pair of angularly adjustable disk gangs, of an auxiliary angularly adjustable gang positioned beyond and ahead of the outer end of each disk gang and connected to the frame for independent vertical floating movements during normal operation of the harrow.

1,639,452. DRAWING SHEET GLASS. JOHN L. DRAKE, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 15, 1924. Serial No. 713,390. 18 Claims. (Cl. 49—17.)



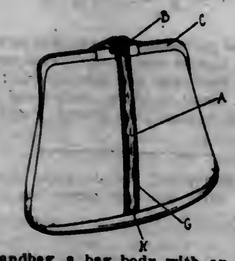
1. In the art of drawing sheet glass from a mass of molten glass, the method consisting in applying longitudinal drawing forces to the sheet edges only at the sheet source, applying supplemental drawing forces to the sheet edges only at a greater drawing speed at points beyond the sheet source, and subsequently applying a still faster drawing force to the entire body of the sheet.

1,639,453. SHEET-GLASS WIDTH-MAINTAINING SHIELD. ENOCH T. FERNOREN, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Original application filed Dec. 26, 1924, Serial No. 758,133. Divided and this application filed Sept. 17, 1925. Serial No. 56,852. 9 Claims. (Cl. 49—17.)



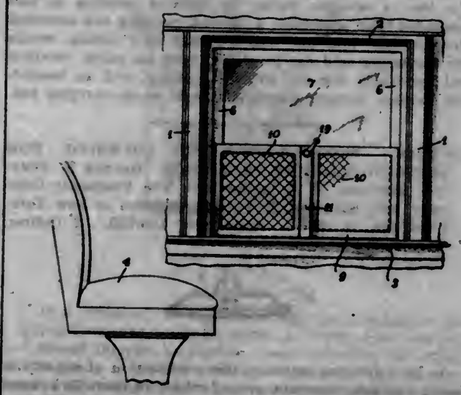
1. In sheet glass apparatus, means for drawing a sheet from a mass of molten glass, including width maintaining means, and means arranged beneath the said width maintaining means for shielding the same.

1,639,454. HANDBAG. RUBIN FISHBEIN, New York, N. Y. Filed Jan. 29, 1927. Serial No. 164,453. 3 Claims. (Cl. 150—33.)



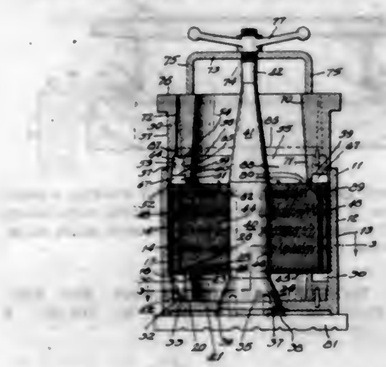
1. In a handbag, a bag body with an opening therein, a metal closure to effect the opening and closing of said bag, said metal closure having a plate on one side and metallic means attached to said plate and pivoted therein, and a strap attached to said means, the other end of said strap being attached to the bottom of the body of the bag.

1,639,455. WINDOW AND OPERATING MEANS THEREFOR. BERTRAM J. GOLDSMITH and EMIL KOEB, New York, N. Y., assignors to Perfect Window Regulator Corporation, Long Island City, N. Y., a Corporation of Delaware. Filed Aug. 13, 1925. Serial No. 50,089. 8 Claims. (Cl. 20—52.)



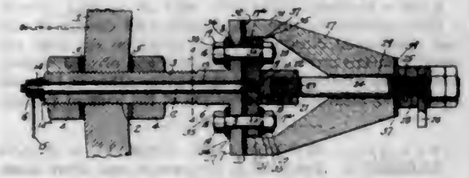
1. In a window, a frame providing a window opening, a fixed screen member adjacent one end of said opening, a movable sash in said opening adapted to close the same and means connecting said screen member and sash for actuating said sash.

1,639,456. METHOD OF PRODUCING ROTORS. CARL E. JOHNSON, Los Angeles, Calif., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif., a Corporation of California. Original application filed July 8, 1924, Serial No. 724,800. Divided and this application filed Apr. 27, 1925. Serial No. 26,110. 11 Claims. (Cl. 22—204.)



1. The method of making rotors, said method comprising: preheating a mold and a rotor core; pouring molten metal into the mold and the core therein; shaking the mold while the metal is being poured and for a period thereafter; and cooling the poured metal slowly and gradually.

1,639,457. ELECTRODE. ALEXANDER KIRKALDY, New York, N. Y. Filed Nov. 13, 1925. Serial No. 68,885. 6 Claims. (Cl. 204—25.)



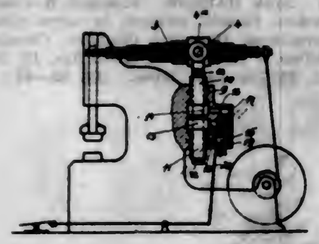
1. An electrode for use in electrolytic systems for the protection of boilers and the like comprising a metallic tube adapted to fit directly into the shell of a boiler or the like, a metallic fitting in endwise relation to and insulated from said tube, a current carrying rod extended through said tube and engaged with said fitting, means for insulating said rod from said tube, an anode carrying rod removably engaged with said fitting, and an insulating distance member surrounding said anode carrying rod.

1,639,458. WOVEN-WIRE-CLOTH COVERING FOR PRESSING-MACHINE ELEMENTS. GEORGE F. SIMPSON, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Oct. 5, 1926. Serial No. 139,732. 2 Claims. (Cl. 68—9.)



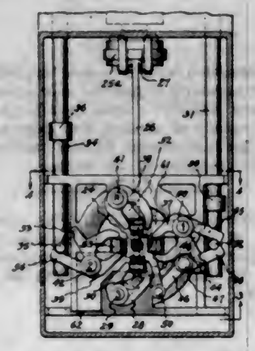
1. In a pressing machine, the combination of upper and lower pressing elements, one of which is movable toward and from the other and one being formed hollow for receiving a heating medium and provided with a line of jet openings through its pressing face for ejecting fluid and a metallic flexible sheet covering the pressing face of said element and spaced apart therefrom and formed with perforations throughout the greater part of the area thereof covering the pressing face forming a distributing chamber for the fluid ejected through said jet openings and said sheet having means in line with said jet openings for deflecting the fluid laterally through said chamber.

1,639,459. SPRING HAMMER. LEO KNÖCHL, Vienna, Austria. Filed Apr. 30, 1924, Serial No. 710,191, and in Austria May 9, 1923. 3 Claims. (Cl. 78—31.)



1. In a spring hammer a tup, means for reciprocating the tup, means for controlling the reciprocating means including two oppositely acting members operatively connected to the reciprocating means and adapted one to prevent the rising and the other to prevent the lowering of the reciprocating means, and means for lifting one of the said members, to control according to requirement the reciprocating means.

1,639,460. GEAR-SHIFT MECHANISM. ERNEST P. LOBCH, Brooklyn, N. Y. Filed Oct. 19, 1926. Serial No. 142,747. 7 Claims. (Cl. 74—39.)



1. In gear shift mechanism, the combination of a lever having a fixed fulcrum, a plurality of knuckles mounted to swing around axes approximately parallel to the axis of the lever, each knuckle having a pair of spaced fingers between which the lever is adapted to be received for causing the knuckle to swing around its axis, and means to hold the idle knuckles from accidental movement.

1,639,461. COMBINATION CIGARETTE AND MATCH-BOX CONTAINER. THOMAS J. MAXEY, Miami Shores, Fla. Filed Oct. 28, 1922, Serial No. 597,578. Renewed Jan. 10, 1927. 1 Claim. (Cl. 206—38.)

A container comprising a casing open at its upper edge and provided at the upper edges of opposite side walls with flaps, one of which is adapted to completely bridge the space between the opposite side walls and the other flap being of such transverse breadth as to partially bridge said space, a partition located interiorly of the casing and dividing the same into a cigarette compartment and a match retaining compartment, said flaps

adapted to fold over both compartments and means for projecting the end portion of a match beyond the end



of the match compartment when the broad flap is opened and the narrower flap is closed with relation to the open side of the casing.

1,639,462. MATTRESS-ADJUSTING APPARATUS. FRANCIS P. MCLAUGHLIN, Pittsburgh, Pa. Filed Aug. 19, 1925. Serial No. 51,152. 1 Claim. (Cl. 5—327.)



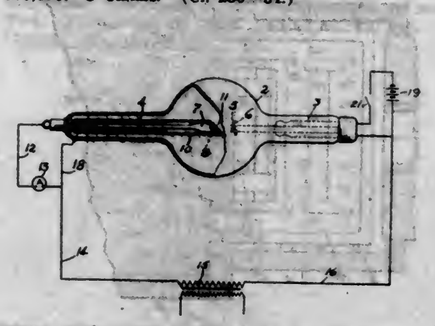
In combination, with a bed, a mattress adjusting apparatus comprising a supporting bar positioned between the mattress and springs of the bed, each end of said supporting bar formed with a threaded aperture, a pull bar shiftably supported on the side rails of the bed and proivded at each end with an angularly disposed fixed elevating arm, a pair of toggle arms pivotally connected to the side rails of the bed, bearing bolts mounted in said apertures for pivotally connecting the associated ends of said elevating and toggle arms to respective ends of said supporting bar, a flexible member connected with said pull bar for shifting the latter to adjust said supporting bar, and means for securing said flexible member to maintain said supporting bar in the adjusted position, substantially as described and for the purpose set forth.

1,639,463. CULTIVATOR. INOLE W. MILLER and LIDA E. MILLER, Darke County, Ohio. Filed June 2, 1926. Serial No. 113,290. 4 Claims. (Cl. 97—188.)



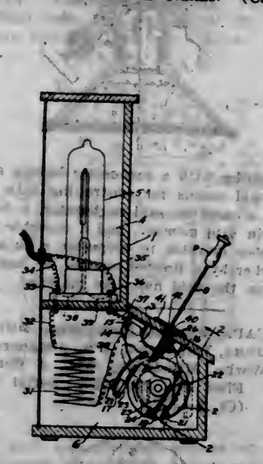
1. In combination, a cultivator tooth, a guard pivoted on the bottom thereof extending upwardly substantially parallel to the tooth and across the top thereof, and means to adjustably connect the top of the guard to the top of the tooth.

1,639,464. X-RAY APPARATUS. MONTFORD MORRISON, New York, N. Y. Filed June 26, 1922. Serial No. 570,856. 8 Claims. (Cl. 250—34.)



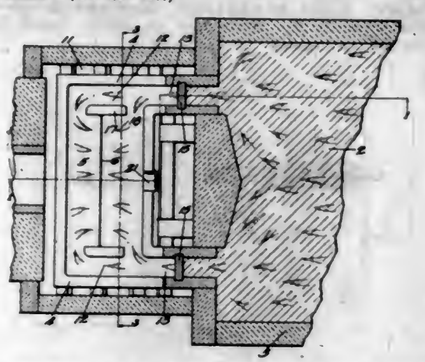
1. In an X-ray tube the combination of an evacuated envelope, a target and a cathode therein, an electrically conductive shield surrounding said target, said shield having an opening therein adjacent the X-ray emitting surface of said target, and means connected to said target for measuring the current flowing thereto and independent means for shunting the current flowing to said shield.

1,639,465. ELECTRICAL CIGAR LIGHTER. HENRY OVEREN, Seattle, Wash., assignor to The King-Keys Advertising Company, Seattle, Wash. Filed Mar. 3, 1925. Serial No. 12,905. 2 Claims. (Cl. 200—161.)



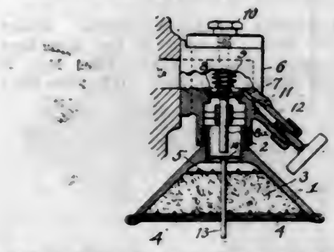
1. In a device of the class described, the combination of a spring tensioned rotatable drum, a double wire electric cord wound thereon, an electric circuit including the wires of the cord, a pivoted switch included in the electric circuit and having spaced arms, and switch tripping means carried by the drum and disposed between the arms of the switch for alternate engagement therewith during reverse movements of the drum to move the switch in opposite directions past the dead center thereof.

1,639,466. DRAWING SHEET GLASS. JOSEPH A. REECE, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 29, 1924. Serial No. 716,565. 16 Claims. (Cl. 49—17.)



1. The method of drawing sheet glass, which consists in supplying a draw-pot with sub-surface glass from a glass melting furnace, drawing a sheet vertically therefrom, and flowing from said pot any surplus glass contained therein.

1,639,467. AIR CLEANER. THOMAS A. REILLY, Cleveland, Ohio, assignor, by mesne assignments, to The Federal Foundry Supply Company, a Corporation of Ohio. Filed May 13, 1921. Serial No. 469,156. 1 Claim. (Cl. 261—97.)



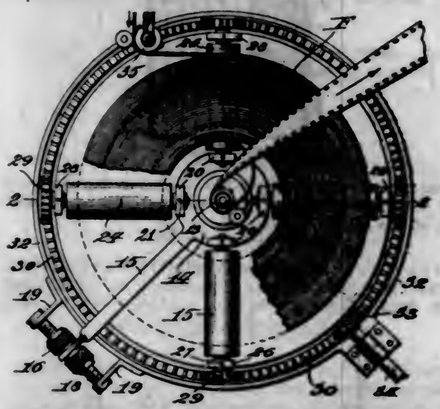
The combination with a carbureter having an air inlet, a fuel inlet, and means for controlling both said inlets, of a member secured to said carbureter, a body of hair confined within said member, and a movable part within the said member movable to cooperate with said controlling means whereby a limited amount of liquid fuel may be delivered on the said hair like material.

1,639,468. CAP. SAMUEL ROSENBERG, Milwaukee, and ELMER N. JOHA, Wauwatosa, Wis., assignors to Reliable Knitting Works, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 25, 1927. Serial No. 170,813. 10 Claims. (Cl. 2—172.)



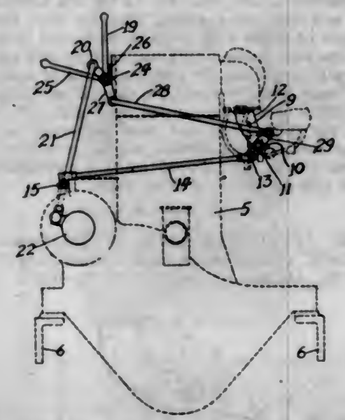
10. A cap having a substantially flexible and inelastic crown portion and depending side flaps composed of knitted material bound and relatively inelastic at their margins as compared with their central portions.

1,639,469. FILM SUPPORT FOR MOTION-PICTURE-PROJECTING MACHINES. LYNN M. SCOFIELD and HERBERT J. THOMAS, Los Angeles, Calif., assignors to Harry S. Merritt, Los Angeles, Calif. Filed July 31, 1924. Serial No. 729,275. 7 Claims. (Cl. 88—18.7.)



1. In a motion picture film support, a series of radially arranged film supporting rollers, pivoted bearings for said rollers and means for simultaneously moving the bearings at the inner ends of said rollers so as to change the angular positions of the axes of said rollers.

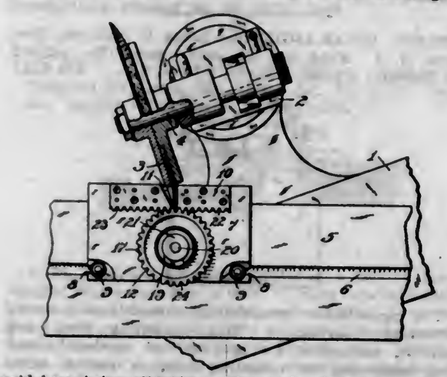
1,639,470. THROTTLE-VALVE CONTROL MEANS. OTTO R. SCHOENROCK, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 7, 1921. Serial No. 459,490. 4 Claims. (Cl. 264—3.)



1. In combination, an engine, a governor, a throttle valve having a stem, said valve controlling the supply of motive fluid to the engine, a lever secured to the stem, operating means connecting the lever and governor, a second lever journaled on the stem adjacent the first named lever, segmental portions on the levers, and means for adjusting the position of the second lever on the stem, the segments on the levers engaging each other when the throttle valve has been opened to a predetermined extent by the governor.

1,639,471. GEAR GRINDER. HARVEY G. SHAFER, Indianapolis, Ind. Filed Apr. 25, 1924. Serial No. 708,863. 5 Claims. (Cl. 51—52.)

1. In a gear grinding machine, the combination with a grinding wheel and a bed, of a guide plate having a rack, means for supporting the plate on said bed with the rack in predetermined relation to the grinding wheel, and a blank supporting unit including a base, a master gear on said base and means for securing the blank on the base in predetermined relation to the master gear,



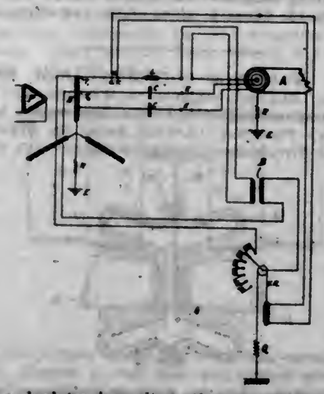
said base being slidable on the guide plate in two directions at an angle to one another to permit the master gear to be moved laterally into and out of engagement with the rack and be rolled on said rack.

1,639,472. HOOK TAPE. DAVID SILBERMAN, New York, N. Y. Original application filed July 28, 1924, Serial No. 728,645, Patent No. 1,622,743, dated Mar. 29, 1927. Divided and this application filed Mar. 21, 1927. Serial No. 177,082. 1 Claim. (Cl. 2—265.)



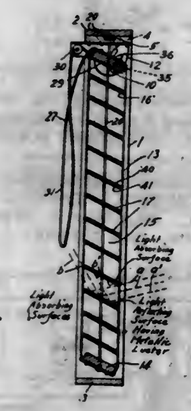
Hook tape comprising a strip of integrally woven tape having a single ply at one edge divided into two plies near its median line, one of said latter plies being wider than the other, a plurality of spaced hooks secured to the wider of the latter plies, the bills of said hooks extending over the narrower of the latter plies whereby the bases of the hooks and securing means are covered, concealed and protected, and adapted to have a garment edge secured to the single ply.

1,639,473. ELECTRIC-POWER TRANSMISSION. ALFRED MILLS TAYLOR, Erdington, Birmingham, England. Filed Sept. 27, 1926, Serial No. 137,990, and in Great Britain July 16, 1925. 8 Claims. (Cl. 171—97.)



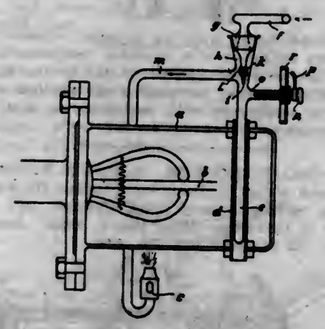
1. In a high-tension alternating-current transmission system, the combination of a cable comprising concentric insulated conducting cores, means to transmit current through the cable, and means to increase the proportion of the current carried by the outer core or cores with the increase of load on the cable.

1,639,474. WINDOW BLIND. JOHN P. WHITMORE, San Marino, Calif., assignor to Columbia Mills Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1926. Serial No. 147,740. 3 Claims. (Cl. 156—17.)



1. In a Venetian blind, a slat provided with an upper surface having a metallic luster and a lower surface of light absorbing material.

1,639,475. PROCESS FOR THE PRODUCTION OF ARTICLES AND COVERS FROM RESINOUS COMPOSITIONS. EBERHARD WIELAND, Pforsheim, Germany. Filed Sept. 18, 1924, Serial No. 738,523, and in Germany July 23, 1924. 11 Claims. (Cl. 18—55.)

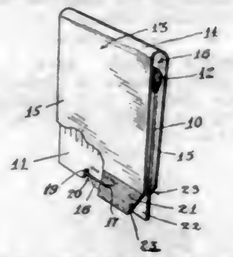


1. In the heat and pressure process of molding and hardening resinous plastics, the process which comprises subjecting a viscid resin, while under continued pressure, to a slow and gradual increase in temperature.

1,639,476. BOOK MATCH. CHARLES E. WILLIS, New York, N. Y. Filed Nov. 27, 1926. Serial No. 151,167. 1 Claim. (Cl. 206—29.)

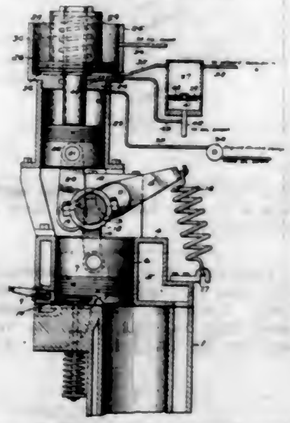
A book match consisting of a shield member formed with spaced side walls, held fixed relatively to one another, by means of a staple element, a match strip carrying a plurality of matches pivotally connected about one leg of the staple element, whereby the said strip is movable about its pivot center to position the matches

outside of the shield member or to position the matches in a predetermined shielded position within the spaced



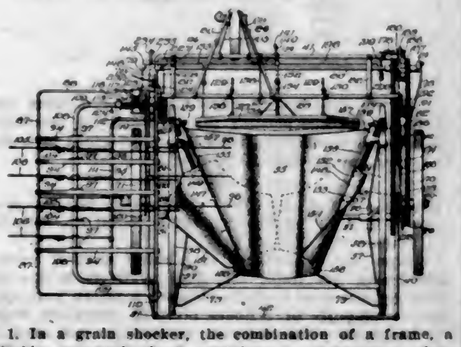
side walls of the shield member, the other leg of the staple element forming a positive stop against which the match strip engages in its shielded position.

1,639,477. UNIFORM COMPRESSION INTERNAL-COMBUSTION ENGINE. THEODORE R. WILSON, Peshastin, Wash. Filed May 4, 1926. Serial No. 106,638. 10 Claims. (Cl. 123—48.)



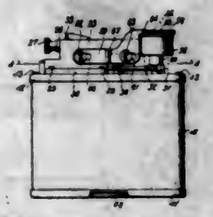
1. The combination with an internal combustion engine and its cylinders of a movable compression abutment and means under control of the intake manifold pressure of said engine for varying the position of said abutment in accordance with variations in said intake manfold pressure.

1,639,478. GRAIN SHOCKER. SAMUEL H. YANCEY, Rock Island, and HARRY S. DICKINSON, Moline, Ill., assignors to Berry Shocker Incorporated, Chicago, Ill., a Corporation of Delaware. Filed May 7, 1924. Serial No. 711,614. 32 Claims. (Cl. 56—424.)



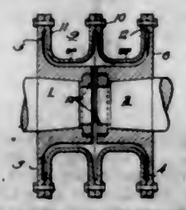
1. In a grain shocker, the combination of a frame, a tiltably mounted shock container, a compressor plate closable against the head portion of the shock, a ground engaging tread member for tilting the shock container, and means for closing the compressor plate before the container is tilted, substantially as described.

1,639,479. CIGAR LIGHTER. LOUIS V. ARONSON, Newark, N. J. Filed Oct. 16, 1926. Serial No. 142,022. 5 Claims. (Cl. 67—7.1.)



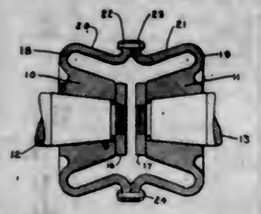
1. A cigar lighter comprising, in combination, a fuel containing reservoir, a wick projecting from said reservoir, mechanism for igniting fuel carried by said wick comprising an operating lever, a partial shield for said spark mechanism carried by said lever and normally covering a lateral portion of the spark producing means, and a second stationary partial shield laterally enclosing a portion of said mechanism at all times.

1,639,480. FLEXIBLE COUPLING FOR SHAFTS. KARL BAUMANN, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 4, 1922. Serial No. 540,964, and in Great Britain Mar. 24, 1921. 3 Claims. (Cl. 64—96.)



1. In a flexible coupling for shafts, the combination of a coupling head secured to each shaft, each coupling head having a rigid and a laterally extending flange portion, a plurality of torque transmitting members for connecting the coupling heads together, each of said torque transmitting members having unitary formed and laterally extending flexible end portions, means for connecting the flexible end portions of adjacent torque transmitting members together, and means for connecting the remaining end portions of the torque transmitting members to the flange portions of the respective coupling heads.

1,639,481. FLEXIBLE COUPLING. KARL BAUMANN, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 13, 1923, Serial No. 674,575, and in Great Britain Dec. 5, 1922. 5 Claims. (Cl. 64—96.)



1. In a flexible coupling for rotary members, the combination of coupling heads adapted to be secured to the

members, a sleeve-like, torque transmitting member enveloping a head and having an inwardly-extending curved portion integral with the outermost marginal portion of the same head, and means for connecting the torque transmitting member to the other head.

1,639,482. ADVERTISING DEVICE. CHARLES E. BETZLER, St. Louis, Mo. Filed Jan. 28, 1927. Serial No. 164,159. 2 Claims. (Cl. 40—126.)

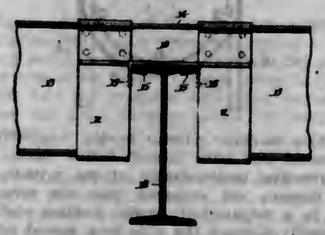


1. An advertising device comprising a pair of spaced upright frame members, a pair of glass panels mounted between said frame members and forming a confined space between them, inwardly extending hooks on said frame members in the spaces between said panels, a series of wires having their ends releasably engaging and supported by said hooks, and a series of differently colored beads on each of said wires, the several series of beads being arranged to form desired outlines.

1,639,483. JOIST HANGER. CHARLES S. BOARDMAN, Pittsburgh, and JOHN W. FREE, Woodlawn Borough, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 96,835. 8 Claims. (Cl. 189—36.)

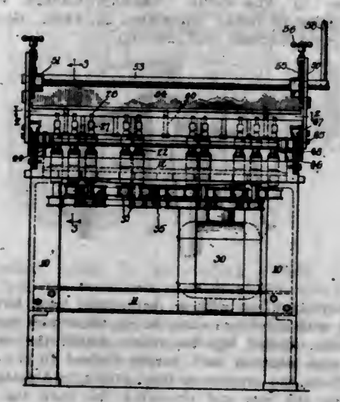
1. A joist hanger or the like comprising a support, a saddle member arranged on said support, a stirrup member depending from the saddle member and secured thereto at its upper end, and a spacing clip carried by said stirrup to prevent movement of said stirrup toward said support.

1,639,484. JOIST HANGER. CHARLES S. BOARDMAN, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 23, 1926. Serial No. 96,838. 8 Claims. (Cl. 189—36.)



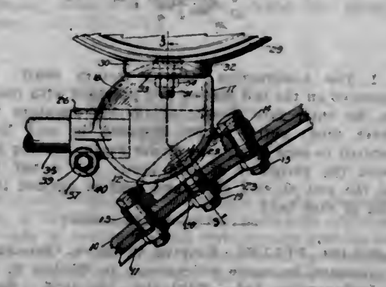
1. A joist hanger or the like comprising straight saddle members adapted to rest upon and project over the top flange of a supporting beam or girder member and U-shape stirrup members suspended from the projecting ends of said saddle members, said stirrup members connecting said saddle members and forming seats for the ends of adjacent joists on opposite sides of said supporting member.

1,639,485. ROUTING MACHINE. GEORGE H. CARLSON, Rockford, Ill., assignor to Redin, Ekstrom & Co., Rockford, Ill., a Corporation of Illinois. Filed Mar. 22, 1926. Serial No. 96,386. 14 Claims. (Cl. 144—136.)



1. A machine for grooving boards comprising, in combination, a frame supporting a bed having opposite front and rear ledges, a plurality of bars supported at their opposite ends on said ledges, each of said bars having elongated vertical slots at opposite ends, devices operable to clamp the ends of said bars against said ledges including bolts extending through said slots, a vertically disposed bearing housing threaded through each of said bars, a spindle journaled in each of said housings and carrying a cutting tool at its upper end and a drive pulley at the lower end, belt driving means for said pulleys, a table mounted to slide horizontally on said frame, and means for clamping a board to be grooved upon said table.

1,639,486. HEADLIGHT MOUNTING. HAROLD D. CHURCH, Cleveland Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 1, 1926. Serial No. 112,924. 5 Claims. (Cl. 240—57.)



1. A headlamp support comprising a hollow pivotal supporting member having apertured spheroidal bearing surfaces, a headlamp pivotally supported on one of the said bearing surfaces, a stud affixed to the said headlamp and extending through said aperture, a nut within said hollow supporting member coacting with said headlamp stud, an apertured socket engaged by another of said

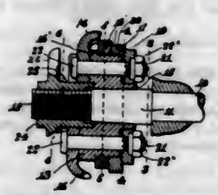
bearing surfaces, a bolt having a convex head engaging an inner wall of the said supporting member, and extending through said aperture in the supporting member, a rectilinear shoulder intermediate the ends of the bolt engaged by said socket aperture and a nut upon a portion of the shank of the bolt extending through said socket.

1,639,487. APPARATUS FOR REMOVING CONTENTS OF EGG CASES. HAROLD G. COLLIS, Clinton, Iowa, assignor to The Collis Company, Clinton, Iowa, a Corporation of Iowa. Filed Dec. 22, 1926. Serial No. 156,298. 4 Claims. (Cl. 24—1.)



1. In combination with a rectangular case having an open top with a vertical stack of egg fillers and separators therewithin, angled legs insertable within the case, one of said legs adjacent each corner thereof to the outside of the fillers and separators therewithin, and plate means connecting the legs and overlying the open top of the case, the case when inverted being removably vertically along the legs without touching the separators and fillers which rest upon the plate means, the legs and plate means being thereafter movable laterally to leave the separators and fillers exposed on all sides, substantially as described.

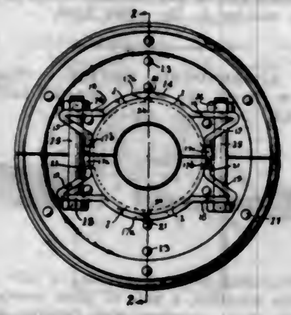
1,639,488. CUTTER HEAD. JOHN E. COVILLE, Swampscott, Mass., assignor of one-third to Theodore W. McNichol and one-third to Thomas T. McNichol, Swampscott, Mass. Filed Aug. 26, 1926. Serial No. 131,781. 10 Claims. (Cl. 144—219.)



1. The combination with a rotary shaft; a head mounted on the end thereof and provided with radial slots in the outer face thereof at varying distances from its inner face; cutter blades disposed in said slots and secured to said head, said blades having cutting edges beyond the periphery of said head; and a nut threaded to the end of said shaft and bearing against the outer end of said head.

1,639,489. PULLEY. PATRICK CULHANE, Cleveland, Ohio, assignor, by mesne assignments, to William T. Hensley, Indianapolis, Ind. Filed Oct. 26, 1925. Serial No. 64,811. 4 Claims. (Cl. 287—52.)

3. A clamp portion for sectional pulleys comprising a metal strip shaped at its central and end portions to substantially conform to portions of the perimetric surface of a pulley hub and adapted to be securely fastened to said hub and having intermediate portions extending outwardly from said central portion substantially perpendicularly to the transverse median plane of said strip to form bearing surfaces for fastening means and extending angularly back to the end portions to form stiffening members, said intermediate portions connecting said central and end portions and having aligned holes therein for receiving fastening means.

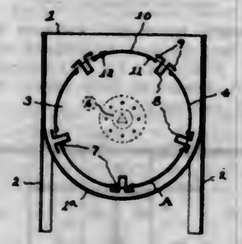


1,639,490. PULLEY. PATRICK CULHANE, Cleveland, Ohio, assignor, by mesne assignments, to William T. Hensley, Indianapolis, Ind. Filed Dec. 9, 1925. Serial No. 74,311. 3 Claims. (Cl. 64—17.)



1. A pulley comprising a hub, end plates mounted on said hub, a body of fibrous laminated material secured upon the hub and between the end plates, the said hub being shaped to form an internal keyway and an external rib and having its external surface conforming substantially in contour to its internal surface, the portion of the hub adjacent to said keyway and rib being thinner than the rest of the hub, so that said pulley is substantially balanced for smooth, efficient operation on a power shaft.

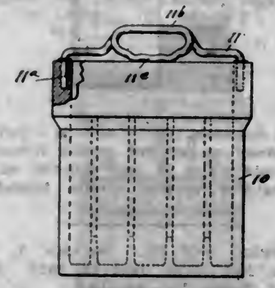
1,639,491. WASHING MACHINE. ALEXANDER DANIEL, Cleveland, Ohio. Filed Mar. 16, 1926. Serial No. 95,027. 1 Claim. (Cl. 68—18.)



A washing machine cylinder having longitudinal slots in the curved side walls thereof, hollow channel shaped baffles extending longitudinally of the cylinder on the interior thereof, and arranged with the sides thereof disposed in a substantially radial position and projecting outwardly through the slots in a spaced relation to the edges of the slots, and comparatively short oppositely projecting flanges at the outer ends of the sides of the channel shaped baffles, said flanges being in a spaced and substantially parallel relation to the exterior of

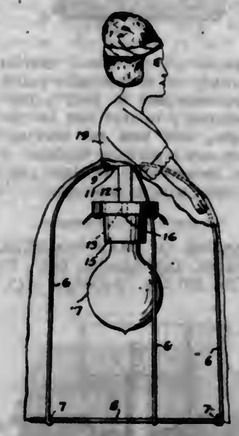
the cylinder and cooperating with the outwardly projecting ends of the baffles to forcibly direct the cleansing fluid into the interior of the cylinder when the cylinder is rotated in either direction.

1,639,492. STORAGE-BATTERY CONTAINER. CARL J. DUNZWEILER, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Nov. 11, 1926. Serial No. 147,627. 3 Claims. (Cl. 16—125.)



1. A storage battery case formed of molded composition and having wire handles at the ends thereof, said handles having their ends secured to the case and having a loop between their ends so that the upper portion thereof will form a handhold and the lower portion of the loop may receive a battery hold-down.

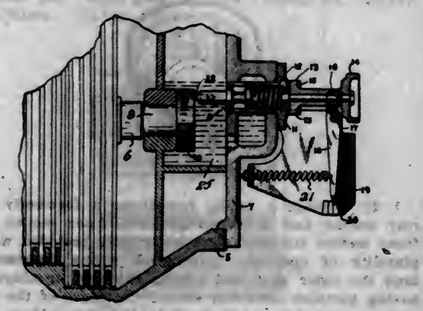
1,639,493. BOUDOIR LAMP. CHARLES FISCHER, New York, N. Y. Filed Mar. 28, 1925. Serial No. 17,089. 7 Claims. (Cl. 240—10.)



1. A lamp doll frame of the character described having in combination a wire frame comprising a series of ribs and a metal, perforated cap to which the outside of the upper ends of the ribs of the wire frame are separately secured, said cap provided with arms extending into the frame, the arms forming means for supporting a lamp socket.

1,639,494. CLEARANCE INDICATOR FOR TURBINES. WARREN B. FLANDERS, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 28, 1920. Serial No. 377,412. 8 Claims. (Cl. 33—172.)

1. In a longitudinal-position indicator for a rotating body having an end portion adapted to run in oil, the combination with a stationary member adjacent said end portion of the rotating body, of a longitudinally movable member mounted upon said stationary member in eccentric relation to said end portion of the rotating body, means for resiliently holding said movable member in contact with said end portion of the rotating body, said resilient means exerting a constant force upon the movable member, means for maintaining a body of oil in contact with the contacting portions of the movable member and the end portion of the rotating body, means for indicating the resultant position of said movable member, and means for locking said movable member out of engagement with said rotating end portion against the action of said resiliently acting means.



1,639,495. MANHOLE. WILLIAM S. FRAME, Schenectady, N. Y. Filed Nov. 24, 1926. Serial No. 150,442. 14 Claims. (Cl. 94—34.)



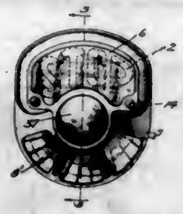
1. A section of a sectional manhole, having the form of an endless band, and comprising an inclined bearing surface extending substantially entirely around the band, and disposed substantially throughout its length in a plane inclined to the axis of the band.

1,639,496. OUTLET-BOX SUPPORT. HENRY GINSBURG, New York, N. Y., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 20, 1926. Serial No. 89,607. 2 Claims. (Cl. 247—22.)



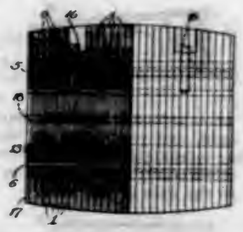
2. The combination of a bar hanger of the character described, a U-shaped carrier strap apertured adjacent the free ends to receive the bar therethrough and having the closed end of the strap provided with a threaded opening, an outlet box having a hollow screw threaded projection to provide a well to receive the closed end of the strap, the latter having opposite projections to fit depressions in the wall of the well to prevent relative turning movement of the box and bar, and a screw extending through and engaging the hollow screw threaded portion and adjustable in the threaded opening in the strap to move the latter to draw the box against the bar.

1,639,497. COMBINATION TAIL LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company, a Corporation of Michigan. Filed Mar. 16, 1925. Serial No. 15,847. 2 Claims. (Cl. 177—329.)



1. In a lamp, a casing comprising a forwardly open rear section and a rearwardly open front section; the front section comprising an outer part provided with a plurality of openings, translucent means disposed behind the outer part and closing the said openings and having portions extending beyond the edges of the openings, an inner part disposed behind the said portions of the translucent elements, and means connecting the said inner and outer parts to clamp the translucent means between them in a rigid assembly; the inner and outer parts of the front section having at their peripheries rearwardly projecting flanges disposed one within the other and separated by a substantially uniform space, the forward end of the main member being socketed between the said rear flanges in the said space.

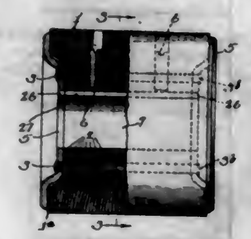
1,639,498. PULLEY. WILLIAM T. HENSLEY, Marion County, Ind. Filed Apr. 6, 1922. Serial No. 550,001. 17 Claims. (Cl. 64—17.)



1. A laminated power transmitting pulley in which the laminæ are compressed together and reduced materially more in bulk in the zone of the hub of the pulley than elsewhere in the pulley body in a manner to form a permanently set body having a cohesive comparatively hard and dense interior for direct driving engagement with the shaft or other support, and having a relatively softer exterior formed by the exposed outer edges of the laminæ or frictional driving engagement with the belt.

1,639,499. PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Jan. 2, 1923, Serial No. 610,175. Renewed May 16, 1927. 11 Claims. (Cl. 64—17.)

1. A laminated pulley for power transmission comprising a pair of opposed end plates, fibrous laminæ of compressible material of substantially the same internal diameter as the pulley and adapted to form the outer working face of the pulley, a plurality of non-circular, multi-sided plates of relatively hard material of materially less external diameter than the end plates uniformly distributed through the body of the pulley between the fibrous laminæ and concentrically arranged relative to said laminæ, said plates having rivet apertures formed therein aligned with corresponding apertures formed in the fibrous laminæ, each aperture of said plates being arranged symmetrically with respect to the sides of the polygonal plates, and rivet bars extending through the pulley body adapted to fit said apertures to hold the end plates, the fibrous laminæ, and the plates of hard ma-



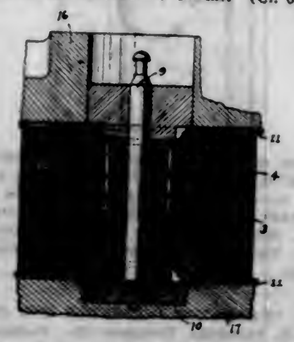
terial in rigid assembled relation to form a pulley having a relatively dense internal hub surface formed by said laminæ and said plates of hard material and a relatively soft exterior working surface formed by the laminæ.

1,639,500. SPLIT PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed June 18, 1923. Serial No. 646,117. 32 Claims. (Cl. 64—18.)



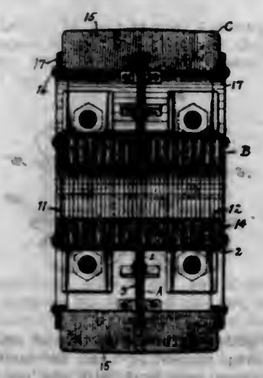
21. A split pulley of the fibrous character described including a plurality of fibrous split pulley sections, a plurality of bars embedded in each pulley section and extending longitudinally thereof and to the sides thereof, means engaging said bars for drawing the bars of adjacent pulley forming portions together, a pair of end plates adapted to lie adjacent the same, and means securing said pair of end plates to said bars.

1,639,501. PROCESS OF MAKING PULLEYS. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Dec. 17, 1923. Serial No. 681,154. 5 Claims. (Cl. 64—17.)



1. The process of making pulleys which comprises forming a plurality of apertured laminæ of relatively soft material and a plurality of similarly apertured metal plates, interposing the plates between said laminæ, assembling said laminæ and plates substantially concentrically with apertures alined, passing rivets through certain of said apertures in each of said plates, and subsequently compressing the central portions of said assembly, so that the density of the fibrous material between the metal plates is substantially increased, and riveting them together through said central portions, whereby a pulley having a relatively dense interior and a relatively soft exterior is produced.

1,639,502. SPLIT PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Feb. 25, 1924. Serial No. 695,001. 10 Claims. (Cl. 64—18.)



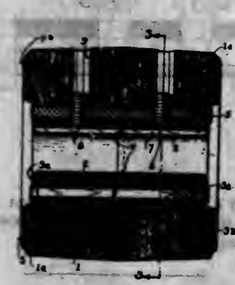
1. A pulley comprising metal members having opposing hub portions formed therein, opposing web portions and alined, annular, peripheral portions connected to said web portions and adapted to receive a rim, a laminated hub core mounted between said metal hub portions, an annular, cylindrical rim secured to said peripheral portions, means disposed axially of said pulley to rigidly secure said hub portions, web portions and peripheral portions together, certain of said means passing through said metal hub and said core and certain of said means passing through said rim, said metal members being divided along an axial plane to form two rigid pulley units of substantially identical construction, and means for rigidly but detachably securing the units together about a shaft.

1,639,503. PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Feb. 25, 1924. Serial No. 695,002. 13 Claims. (Cl. 64—17.)



1. A pulley comprising a core of laminate fibrous material, a pressed metal body having a hollow hub portion adapted to receive and house said core and a web portion encircling the hub portion, and a laminated rim secured to the peripheral portion of the web.

1,639,504. PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Aug. 1, 1924. Serial No. 729,437. 6 Claims. (Cl. 64—17.)



1. A pulley for power transmission comprising fibrous laminæ of compressible material, a pair of sheet metal tubular hub members each carrying an end plate, said end plates each having inwardly extending portions of less diameter than the fibrous laminæ, and shouldered rivets for holding said end plates against relative movement in each direction axially of the pulley, whereby said fibrous laminæ when compressed will have a relatively dense inner portion and a relatively soft, frictional outer portion.

1,639,505. PULLEY. WILLIAM T. HENSLEY, Indianapolis, Ind. Filed Feb. 27, 1925. Serial No. 12,163. 10 Claims. (Cl. 64—17.)

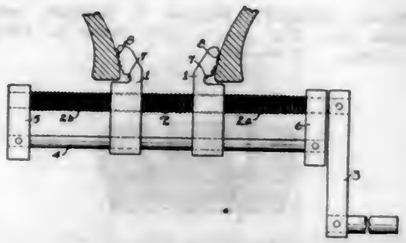


1. A pulley comprising a pair of opposing hub members of relatively light metal having cup-shaped hub portions, a hub core of light material secured to said members, webs projecting outwardly from said members, and a pair of end plates having opposing inner web portions adapted to engage and be secured to said hub web portions to complete the pulley web, said end plates being axially outturned to receive and support a relatively light pulley rim face and being radially outturned to form flanges that overlie and support the ends of the pulley rim, and means to secure said web portions together and to secure said rim between the end plates.

1,639,506. TIRE-SPREADING DEVICE. HUGH T. HUMMS, Cleveland, Ohio, assignor to The Wadsworth Core Machine & Equipment Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 10, 1926. Serial No. 147,478. 7 Claims. (Cl. 152—27.)

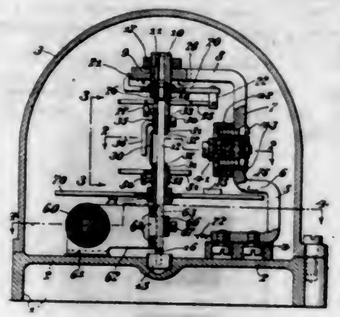
1. A tire spreading tool comprising in combination, a shaft having a right hand threaded portion and a left

hand threaded portion, a jaw associated with each threaded portion, said jaws being adapted to engage the



inside walls of a tire, and means adjacent one end of the shaft for rotating it and for effecting relative motion of said jaws along said shaft.

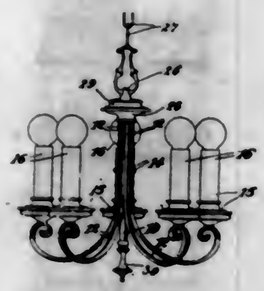
1,639,507. ELECTRIC FLASH-LIGHT CONTROLLING MEANS. GEORG KARL VILHELM JOHANSON, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 25, 1926, Serial No. 137,716, and in Sweden May 1, 1924. 14 Claims. (Cl. 200—90.)



1. In electric flashlight controlling means, the combination of relatively movable contacts, yielding means tending to hold said contacts in closed relation to each other, means movable in one direction for causing relative movements of said contacts to open the same, and other yielding means adapted to act upon said second named means to cause movement thereof in the opposite direction to permit relative movements of said contacts into closed relation with respect to each other.

14. In electric flashlight controlling means, the combination of a stationary contact, a pendulum device comprising a rotatable shaft, an electro-magnet the poles of which extend laterally and are located upon opposite sides of the said shaft, which poles are provided with inwardly extending projections, an armature mounted upon the said shaft and extending in a plane normally out of alinement with the plane of the inwardly extending portions of the said poles, the said armature being adapted to move into alinement with the said inwardly extending portions of the said poles upon energization of the said electro-magnet to cause rotation of the said shaft in one direction, a movable contact, a lever rotatably mounted upon the said shaft upon one end of which the said movable contact is supported, yielding means interposed between the said lever and the said shaft which tends to hold the movable contact pressed against the stationary contact, means carried by said shaft for engaging the said lever when the said shaft is rotated by the actuation of the said armature, and yielding means operating to cause movement of the said shaft in the opposite direction to permit closing movement of the movable contact, substantially as described.

1,639,508. LIGHTING FIXTURE. WALTER R. KAHNS and KARL KELLER, Brooklyn, N. Y., assignors to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed May 20, 1926. Serial No. 110,349. 9 Claims. (Cl. 240—78.)



1. In a lighting fixture, a section of pipe, a plurality of tubular lamp supporting arms surrounding said pipe with their upper ends flush with the top of said pipe, said arms bearing against the outer surface of the pipe a portion of their length, means for detachably connecting the upper ends of the arms to the pipe, and means for detachably connecting said arms to the pipe at a predetermined distance below their upper ends.

1,639,509. CONTAINER. JOSEPH KAUFMAN, Bronxville, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 19, 1925. Serial No. 10,193. 5 Claims. (Cl. 206—1.)



5. In a device of the character described, in combination, a shaving outfit container, a closure therefor, a coin container arranged and adapted to be associated therewith in superimposed relation, whereby said coin container simulates and forms a cover for said razor outfit container, the coin container being provided in its bottom with an opening and a closure therefor, whereby said closure will be hidden from view when the two containers are in associated relation.

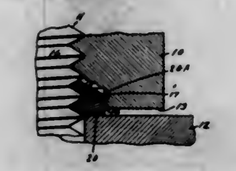
1,639,510. EXTENSION TABLE. RICHARD KRÜGER, Nienburg-on-the-Saale, Germany. Filed Apr. 22, 1926, Serial No. 103,698, and in Germany Feb. 9, 1924. 3 Claims. (Cl. 45—118.)

1. Extension-table with two extension-leaves on each side of the table, both said extension-leaves being hingedly connected with one another, and with wedge-shaped extension-bars for said leaves, auxiliary extension-bars for the outer leaves, said auxiliary bars being slidably arranged in grooves of said wedge-shaped extension-bars and being horizontally guided therein, revoluble arms arranged on the table frame beneath said wedge-shaped



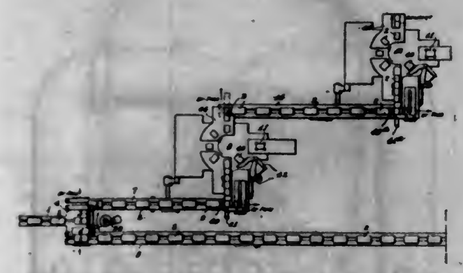
extension-bars, and means arranged on the lower surface of said wedge-shaped bars for engaging and turning said revoluble arms.

1,639,511. LOCK NUT. GEORGE LAFEVER, Ridgefield, Wash., assignor to American Lock Nut Company, Longview, Wash. Filed Oct. 12, 1925. Serial No. 62,008. 7 Claims. (Cl. 151—1.)



1. The combination with a bolt and a nut of a split ductile ring engaging the bolt and the nut, in which the nut has a counterbored undercut and the space between the ends of the ring is such that upon application of the nut the metal of the ring will flow and will engage the roots of the bolt threads before closing upon itself.

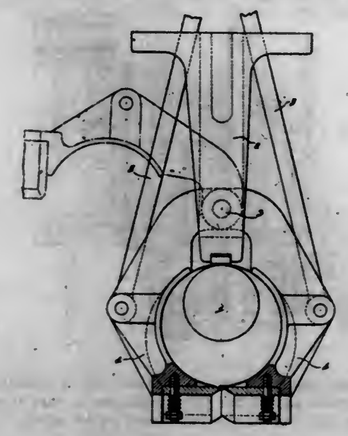
1,639,512. SYSTEM OF HANDLING CAN BODIES. PAUL H. LANGE, Bridgeport, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Jan. 17, 1925. Serial No. 2,989. 10 Claims. (Cl. 198—19.)



1. A system of handling bodies including: two heading machines, a main body-feeding device to advance a procession of bodies, two auxiliary body-feeding devices arranged in parallel and each including one of the heading machines, a distributing device to separate the procession of bodies and to feed them to the auxiliary body-feeding devices, and a by-pass associated with each auxiliary body-feeding device through which excess bodies will be discharged by the distributing device in case of interruption in the normal operation of an auxiliary feeding device.

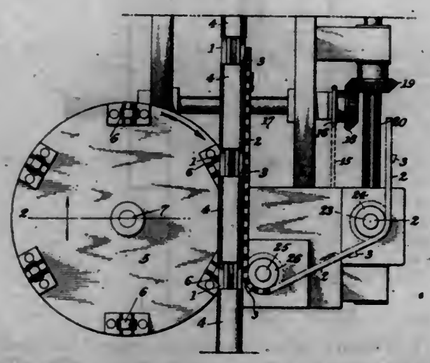
1,639,513. BODY-FORMING MECHANISM. PAUL H. LANGE, Bridgeport, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Oct. 9, 1925. Serial No. 61,444. 9 Claims. (Cl. 113—8.)

1. Body-forming mechanism including: a horn, body-forming members to fold a blank around the horn, a clamping member above the horn and intermediate the body-forming members to engage a blank on the horn before it is acted upon by said body-forming members, spring means for normally urging said clamping member



away from the horn, and timed mechanism to overcome the action of the spring means to thereby bring the clamping member toward the horn.

1,639,514. HORN-SUPPORTING MEANS. PAUL H. LANGE, Bridgeport, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Oct. 20, 1925. Serial No. 63,801. 1 Claim. (Cl. 113—115.)

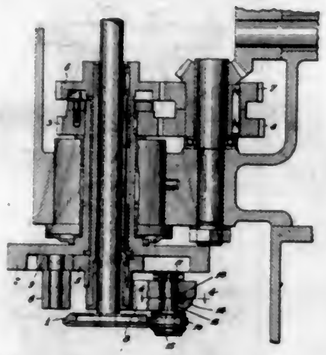


The combination with a horn, of means for supporting the free end thereof including: a rotatable member mounted on a vertical axis and extending part way beneath the horn, horn-engaging members in spaced relation on said rotatable member to successively engage and support the horn, and a stationary member to support the rotatable member at the point where the latter passes beneath the horn.

1,639,515. SEAMING MECHANISM. PAUL H. LANGE, Bridgeport, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Apr. 23, 1926. Serial No. 104,186. 4 Claims. (Cl. 113—19.)

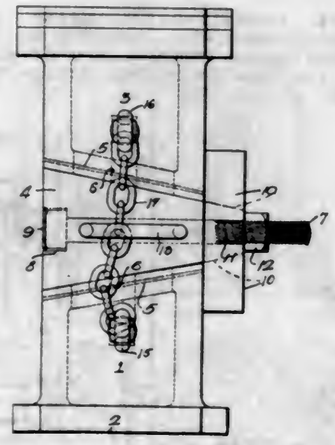
1. Seaming mechanism including: a head, a bell crank, constituting a seaming tool carrier, pivoted intermediate its ends on said head, means for supporting said bell crank on said head consisting of a dependent boss at the

periphery of the head, a cover plate carried by the boss, the bell crank being held between the head and the cover plate, and a pivot passing through the cover plate, bell



crank and head, a cam roll at one end a seaming tool at the other end of the bell crank, and a cam to engage the cam roll to turn the bell crank on its pivot.

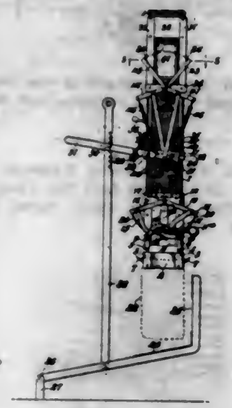
1,639,516. SHORING DEVICE. ERNEST J. LANGHAM, Johnstown, Pa. Filed May 12, 1925. Serial No. 29,812. 4 Claims. (Cl. 254—100.)



1. A shoring device comprising upper and lower sections having oppositely inclined adjacent ends, a substantially wedge-shaped intermediate element adapted for insertion between the upper and lower sections and to form therewith a rigid post, and means including a bolt extending through said intermediate section and supporting a member at the narrow edge of the latter adapted to be passed between the upper and lower sections when in one position and when turned at right angles thereto to overlap the said upper and lower sections for detachably retaining the intermediate section in position between the said upper and lower sections.

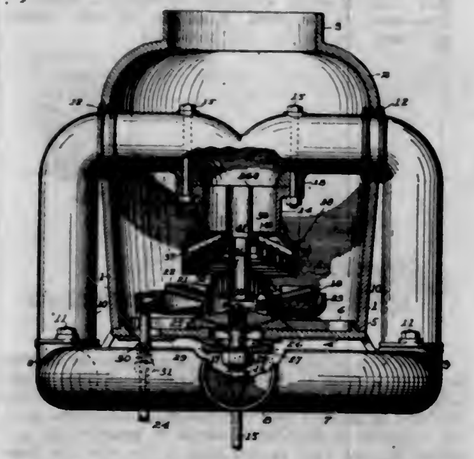
1,639,517. BAG-FILLING DEVICE. PETER LASSEN, Roanoke, Tex. Filed Aug. 16, 1926. Serial No. 129,547. 15 Claims. (Cl. 226—58.)

1. In a bag filling device, a chute adapted to carry falling grain or the like, an automatically operated upper valve adapted to cut off the supply, a lower valve adapted to confine an exact bagful between the same and the upper valve, bag holders mounted at the lower end of the chute, a hand lever connected to simultaneously close the lower valve and release the filled bag from the holders, depressible means for catching the filled bag to



be actuated thereby, and means connecting the bag-catching means with the upper valve to open the latter and allow a bag full of grain or the like to fall on the closed lower valve.

1,639,518. BURNER. SHERMAN G. LONG, Peoria, Ill. Filed July 30, 1925. Serial No. 47,008. 6 Claims. (Cl. 158—66.)

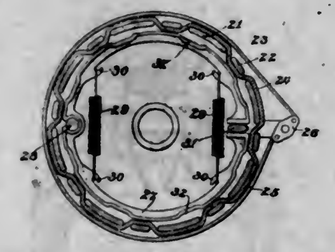


1. In a burner, the combination of a burner base, a fuel delivery passage thereto, a cap portion mounted above the base portion, means for delivering air downwardly to the cap portion, and a plurality of concentric skirts depending from the lower face of the cap portion for distributing air downwardly to promote combustion of fuel.

1,639,519. BRAKE DRUM AND LINING. ALBERT LONSON, Ulen, Minn. Filed Aug. 13, 1925. Serial No. 50,049. 5 Claims. (Cl. 188—218.)

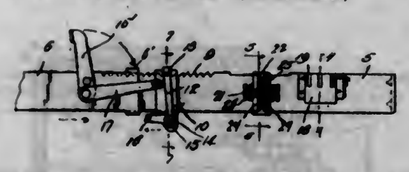
1. A brake for motor vehicles comprising, in combination, a substantially cylindrical drum presenting a series of slots, a relatively wide strip of brake lining threaded

through said slots having alternating service brake and emergency brake portions on the outer and inner peripheries thereof and an emergency brake shoe having de-



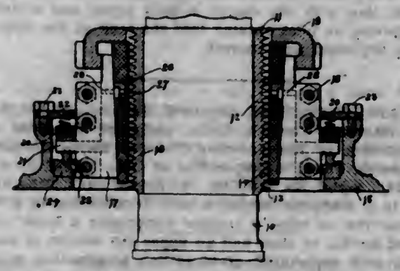
pressions therein to receive the inwardly projecting portions of the lining and tending to lock the drum positively against movement.

1,639,520. SHADE AND CURTAIN HANGER. PERRY O. LOWERS, Fredonia, Kans. Filed Aug. 23, 1926. Serial No. 130,951. 5 Claims. (Cl. 156—23.)



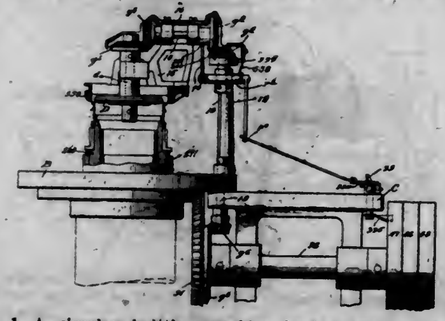
1. In a combined shade and curtain hanger of the class described, a pair of bars slidably interconnected, means at the outer ends of the bars for biting engagement with the sides of a window frame, means whereby the bars may be initially loosely secured in predetermined adjusted relation, said means comprising a strap member slidable along one of the bars and adapted for locking engagement on the bar in any adjusted position, additional means for drawing the bars inwardly to a predetermined degree so that the outer ends of the bars will bite into the sides of the window frame, and shade brackets arranged on the bars.

1,639,521. METALLIC PACKING. JOHN A. MACMURCHY, Ridley Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 24, 1921. Serial No. 439,630. 7 Claims. (Cl. 286—9.)



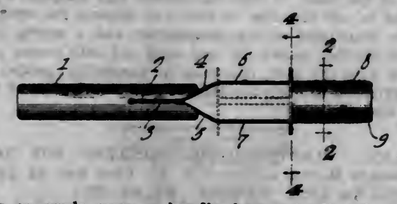
1. In combination with a rotor shaft, a corrugated sleeve on the shaft, a wedge shaped metallic packing having an inner cylindrical surface in line contact with the apices of the corrugations, and a follower to increase the contact between the corrugations and the inner cylindrical surface of the sleeve packing.

1,639,522. SAFETY DEVICE FOR KNITTING MACHINES. CLINT MADARIS, Chattanooga, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y., a Corporation of Massachusetts. Filed Nov. 30, 1926. Serial No. 151,746. 5 Claims. (Cl. 66—157.)



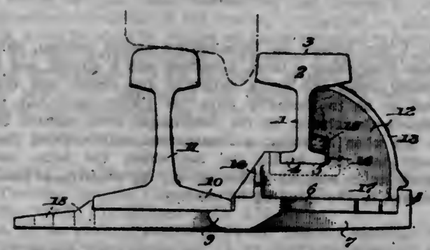
1. A circular knitting machine having two carriers each carrying knitting elements and gearing for driving one carrier capable of being disconnected, in combination with means adapted to stop the machine when said gearing is not properly connected.

1,639,523. APPLE AND PEAR CORER. CARRIE A. MAILE, Tulsa, Okla. Filed Mar. 27, 1925. Serial No. 18,830. 1 Claim. (Cl. 146—53.)



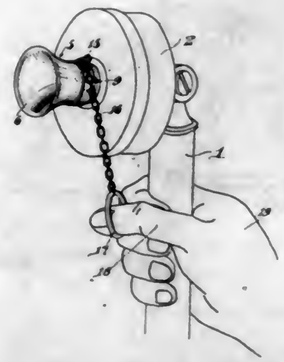
In an apple corer, a handle, bars extending from the handle, a cylindrical cutting member mounted at the outer ends of the bars, an oblong plate having cut out portions adapted to accommodate the bars and permit the plate to move over the bars, a rod extending from the central portion of the plate, a plunger mounted at the outer end of the rod and adapted to move through the cylindrical cutting member to force a core from the tubular cutting member, said plate having its ends extending beyond the bars to provide finger pieces, said cylindrical cutting member having an internal triangular rib extending throughout the length thereof, and said plunger having a cut out portion to accommodate the rib.

1,639,524. GUARD-RAIL FASTENER. THOMAS MANEY, Louisville, Ky. Filed Oct. 9, 1926. Serial No. 140,592. 10 Claims. (Cl. 238—20.)



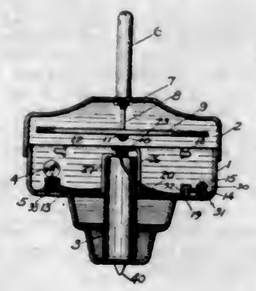
7. The combination of a guard-rail, a chair for bracing said guard-rail and having a space between it and a portion of the guard-rail, and a resilient key inserted in said space for exerting tension on the guard-rail and chair.

1,639,525. TELEPHONE ATTACHMENT. WINFIELD S. MARR, Council Bluffs, Iowa. Filed Jan. 31, 1927. Serial No. 164,868. 11 Claims. (Cl. 179—188.)



1. An attachment for telephone transmitters for the purpose set forth comprising a mouthpiece for connection to the transmitter, a longitudinally shiftable shell mounted within and supported solely by the rear portion of the body of said mouthpiece and adapted when shifted in one direction to abut and prevent the activity of the diaphragm of the transmitter, and a spring controlled shifting means for said shell and said means connected with the shell, operating in, carried by, guided by and extended through the body of said mouth-piece at the rear thereof.

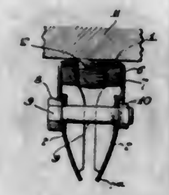
1,639,526. ELECTRICAL ILLUMINATED TOY TOP. GUSTAVE MAYER, Brooklyn, N. Y. Filed Feb. 12, 1925. Serial No. 8,820. 2 Claims. (Cl. 46—32.)



1. A top having an illuminating means therein, said means comprising a lamp, a battery and a circuit, and a movable make and break device in the circuit and disposed so as to normally have the circuit open but to complete the circuit by the centrifugal force created by the top when spinning, a transparent multi-colored disc loosely mounted within the top above the lamp and adapted to be rotated within the top by centrifugal force produced in the spinning of the top.

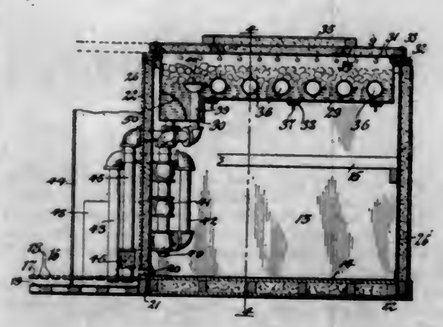
1,639,527. CONDUCTOR SUPPORT. WALTER S. MAYER, Philadelphia, Pa. Filed Apr. 10, 1924. Serial No. 705,574. 4 Claims. (Cl. 191—43.)

1. A supporting device formed of a blank bent to form an end member forming a seat for a stud engaging nut and bowed members extending transversely to said end member and converging to form terminal clamping jaws, and a bolt passing through said bowed members and



having thereon a nut, which, when tightened up, is locked against vibratory rotation by expansion pressure of the bowed members.

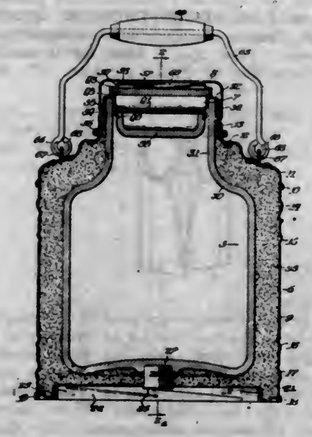
1,639,528. REFRIGERATING APPARATUS. FREDERICK MEYER, Buffalo, N. Y., assignor to Meyer Body Co. Inc., Buffalo, N. Y., a Corporation of New York. Filed July 25, 1924. Serial No. 728,127. 1 Claim. (Cl. 62—54.)



A refrigerating apparatus comprising a refrigerating compartment adapted to receive the articles to be cooled, a refrigerating tank arranged in the upper part of said compartment and having an elevated part and a depressed part, said elevated and depressed parts being arranged side by side, a plurality of air pipes arranged within the tank above the elevated part of the same while the space above the depressed part thereof is devoid of such pipes, an overflow pipe having an inlet arranged within the tank and in line with the center of said pipes, and a drain pipe having an inlet opening into the tank at the bottom of the depressed part thereof.

1,639,529. CONTAINER. AURIN E. PAYSON and WILLIAM R. HASTEDT, Norwich, Conn., assignors, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn., a Corporation of Ohio. Filed Mar. 4, 1924. Serial No. 696,740. 6 Claims. (Cl. 215—12.)

1. In a container having a neck terminating in a flat annular rim or edge, a stopper comprising a lower cup-shaped section of glass and an upper cap section of sheet metal, said cup-shaped glass section terminating at its outer open end in an annular rib, said cap section being bent inwardly into locking engagement with said rib, whereby the two sections are rigidly united to form a closed hollow stopper, an outwardly projecting annular shoulder on said cap, said shoulder having a flat under-surface arranged to rest on the upper rim or edge of the container, the top of said metal section forming the entire top of the stopper, and a cap adapted to be screwed down over the neck of the container and having means to engage the metal top of said stopper along a circular



contact line in close proximity to said annular shoulder, whereby said annular shoulder is forced down over the upper rim of the container to form a sealed joint.

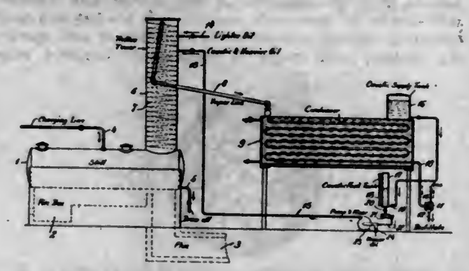
1,639,530. STAPLE. EDWARD B. PAYSON, Spooner, Wis., assignor of one-half to Marvin T. Winston, Spooner, Wis. Reflled for abandoned application Serial No. 271,640, filed Jan. 17, 1919. This application filed Oct. 21, 1926. Serial No. 143,307. 1 Claim. (Cl. 85—49.)



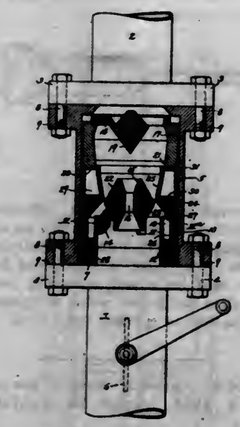
A staple having a pair of spaced legs, a head from which said legs depend, said legs and head at their junction being connected by a substantially arcuate wall to constitute a wedge, said legs having side walls diverging from said head and at their penetrating ends being beveled from opposite sides, and said head being wedge shaped and narrow adjacent said arcuate wall.

1,639,531. REFINING OF HYDROCARBON OILS. ERNEST B. PHILLIPS, East Chicago, and JAMES G. STAFFORD, Whiting, Ind., assignors to Sinclair Refining Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 22, 1924. Serial No. 745,135. 11 Claims. (Cl. 196—35.)

11. An improved method of treating hydrocarbon oils which comprises subjecting the oil to refining treatment with sulphuric acid, subjecting a body of oil to distillation in a still provided with a reflux tower, and introducing the acid treated oil and an alkali into the upper end of the tower in direct contact with the vapors therein.



1,639,532. FLUID-CONTROL MEANS FOR MOTORS. FRANK POKORNY, Mamaroneck, N. Y., assignor, by direct and mesne assignments, of one-half to Francis W. Keegan, New York, N. Y. Original application filed May 1, 1920, Serial No. 378,190. Divided and this application filed Sept. 18, 1924. Serial No. 738,398. 1 Claim. (Cl. 137—153.)

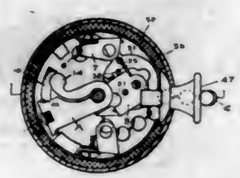


In a fluid supply means for internal combustion engines, in combination, a control valve, means whereby said valve is caused to open under the suction pull created by the aspiratory operation of the engine, a chamber in which said valve is operable, means of communication including an auxiliary passage whereby said valve is subjected to a drag force, opposed to the lift force, by said suction pull, and means for regulating the degree of drag force to modify its effect upon the valve.

1,639,533. ELECTRIC SWITCH. ARTHUR RYAN RICE, Toronto, Ontario, Canada. Filed Jan. 28, 1925. Serial No. 5,326. 11 Claims. (Cl. 173—354.)

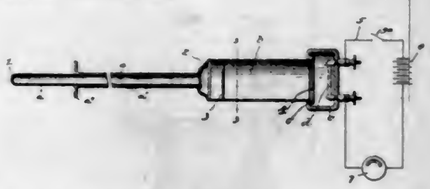
1. In an electric switch, a switch element movable on a horizontal plane from one to its alternate position, an operating element reciprocable on a horizontal plane from one to its alternate position and comprising a body portion and spaced superposed arms rotatably mounted on a vertical bearing fixedly mounted in said switch, a bracket pivoted in said arms adjacent to said bearing

and extending therebeyond, a compression spring connecting said switch element and the outer end of said bracket, a latch plate pivotally supported by an extension from the outer end of said bracket and provided with means to operatively connect said bracket and said operating element whereby on the rotation of said operating element said spring is compressed, insulated stop



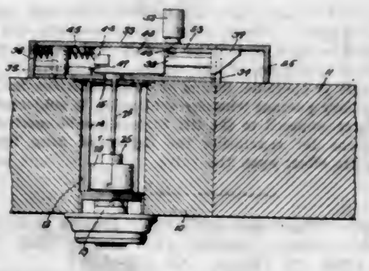
members carried by said switch in opposed relation to each other, a finger carried by said latch plate and engaging alternate stops in the movement of the switch, means whereby on the engagement of said finger with the adjacent stop the pressure of said spring moves said latch plate and said operating element to their alternate positions in operative engagement with one another, and a pull member carried by said operating element.

1,639,534. PYROMETER. SAMUEL RUBEN, New York, N. Y. Filed May 28, 1921. Serial No. 473,458. 4 Claims. (Cl. 73—32.)



1. In a pyrometer, a body of refractory material adapted to emit light rays when heated, an electric meter, a circuit including said meter and a substance whose conductivity is affected by light, a light-proof housing closed at one end by said body and enclosing said substance, and a colored glass partition, which is opaque to radiant heat but transparent to certain light rays, in said housing.

1,639,535. LOCK. ANGELO RUSSO, Burlington, Mass. Filed June 4, 1926. Serial No. 113,720. 1 Claim. (Cl. 70—46.)



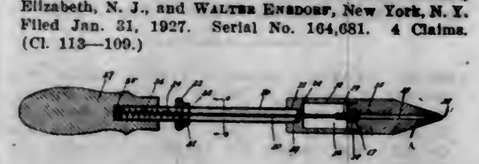
In combination with a cylinder lock; wherein the lock is provided with a key operated rotatable part; a cylindrical extension extending from the lock, a plate having pins projecting therefrom into recesses provided in said rotatable part, and provided with a stem, a roll back stem having a head rotatable in the cylindrical extension, means for holding the head in the cylindrical extension, said head being provided with a slot for receiving the stem of the plate, and a spring in the cylindrical extension impinged against the plate and against the head.

1,639,536. SELF-PROPELLED VEHICLE. LÉON SAIVES, Billancourt, France, assignor to Louis Renault, Billancourt, France. Filed Apr. 1, 1924, Serial No. 703,888, and in France May 19, 1923. 1 Claim. (Cl. 305—8.)



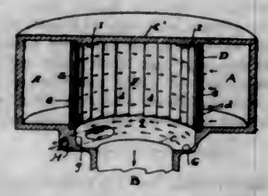
In a self propelled vehicle equipped with a parallel axle double rear drive, the combination of two sets of driving tires arranged in tandem, each set being made up of a plurality of laterally adjacent tires, and a removable endless belt between and supported by the adjacent side of each set of tires, and frictionally driven thereby, the outer surface of the belt being substantially flush with the tire treads.

1,639,537. SOLDERING IRON. JOHANNES SANDBERG, Elizabeth, N. J., and WALTER ENSDORF, New York, N. Y. Filed Jan. 31, 1927. Serial No. 164,681. 4 Claims. (Cl. 113—109.)



1. In a soldering iron, a soldering head having a channel passing therethrough, a reservoir attached to said head, a stem on said reservoir, a plunger slidable in said stem and reservoir, a detachable valve on said plunger, a detachable valve seat mounted in said head at the reservoir end of said channel cooperating with said valve to open or close said channel, and means on said stem for reciprocating said plunger.

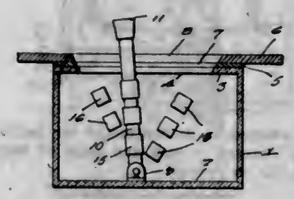
1,639,538. CENTRIFUGAL APPARATUS. JOSEPH MARTIN SCHUTZ, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Ohio. Original application filed Feb. 5, 1924, Serial No. 690,861, Patent No. 1,539,435. Divided and this application filed Mar. 3, 1925. Serial No. 12,892. 6 Claims. (Cl. 183—81.)



1. The herein described improvement for the centrifugal purification of fluid without resort to rotating parts, comprising a circular collecting bowl having a substantially flat bottom provided with a heavy substance outlet at its periphery and having a large central outlet for the purified fluid, in combination with a perpendicular

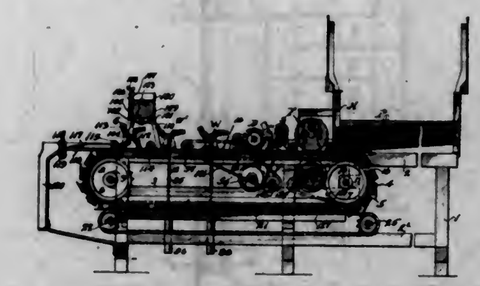
closure axially opposed to said bowl, and a circumferential series of operatively overlapping tangential fluid admission tuyères between said closure and said bowl, serving to whirlingly direct the fluid into said bowl and into said central outlet whereby the heavier substances are collected and discharged through the peripheral outlet while the lighter or purified fluid is whirlingly discharged along the axis of the bowl and outlet and outward through the latter.

1,639,539. CONTROL SWITCH FOR THE A BATTERIES OF RADIO RECEIVING SETS. LEMUEL H. SMILEY, Knoxville, Tenn. Filed Feb. 25, 1925. Serial No. 11,508. 3 Claims. (Cl. 200—6.)



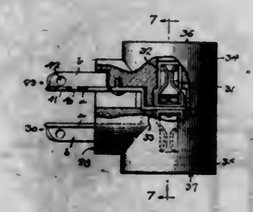
1. A switch apparatus of the class described including a casing having its upper wall provided with a slot, an arm pivoted at its end to the lower wall so as to extend through the slot, a series of contacts on each side wall of the casing alined between one end of the slot and the fulcrum of the arm, a second series of contacts on each side alined with the other end of the slot and fulcrum of the arm, and spaced contacts on the arm adapted to be engaged between either of the aforementioned series of contacts.

1,639,540. PAN-TREATING APPARATUS. GEORGE SMITH, Richmond, Va. Original application filed Apr. 17, 1925, Serial No. 23,980. Divided and this application filed June 11, 1926. Serial No. 115,403. 19 Claims. (Cl. 91—38.)



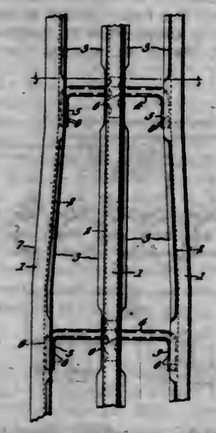
1. A pan treating mechanism including a body rotatable upon a horizontal axis and having a fixed support radial thereto, a contact member pivoted upon said support to swing into position at an angle thereto when engaging a cooperating surface, and a wiper carried by said member.

1,639,541. ELECTRIC FITTING. WILLIAM A. STACEY, Chicago, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 9, 1924. Serial No. 718,907. 5 Claims. (Cl. 173—330.)



5. A plug fitting having an insulating body recessed to form a pair of inner chambers, blades T-shaped in cross section projecting from one face of the body and extending respectively into the chambers thereof, together with receptacle contacts associated with the portions of said contacts extended into the chambers of the insulating body, the latter being apertured on opposite faces at right angles to the face from which the blades project, to admit the blades of cooperating attachment plugs to the contacts in said chambers.

1,639,542. POLE OR POST. ARMEN H. TASHJIAN, Cleveland, Ohio. Filed Dec. 31, 1925. Serial No. 78,582. 2 Claims. (Cl. 189—25.)

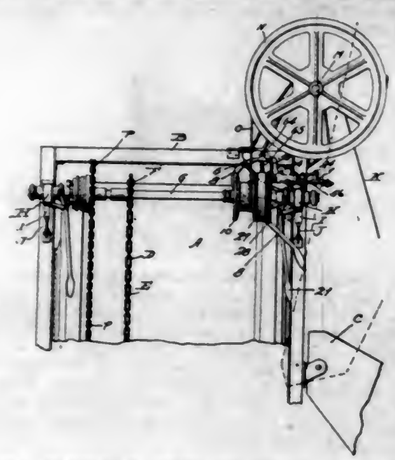


1. A pole or post, or the like, comprising a plurality of channeled longitudinal members having lips flanking their channels, and transverse members having arms for cooperation with the longitudinal members, said arms adapted to be positioned within said channels and provided with knobs for engagement with said lips, and said lips adapted to be clinched upon said arms, said clinching imbedding said knobs in said lips to form a rigid connection between the longitudinal and transverse members.

1,639,543. CLUTCH AND BRAKE CONTROL MECHANISM. GEORGE KENNETH VIALL, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1925. Serial No. 78,212. 12 Claims. (Cl. 83—78.)

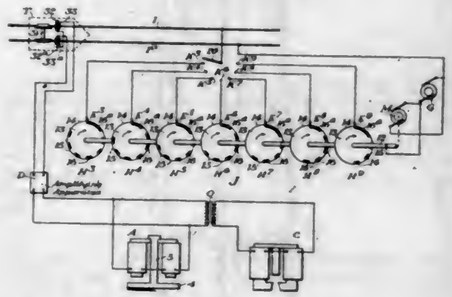
1. The combination of a power shaft, supports therefor adjustable to permit the position of the shaft to be changed, gearing taking power from the shaft, in-

cluding a clutch and a brake mechanism, and means for operating the clutch and the brake supported by the adjustable supports of the shaft, whereby adjustment of



the said supports to change the position of the shaft does not affect the relations of the said operating devices to the parts they control.

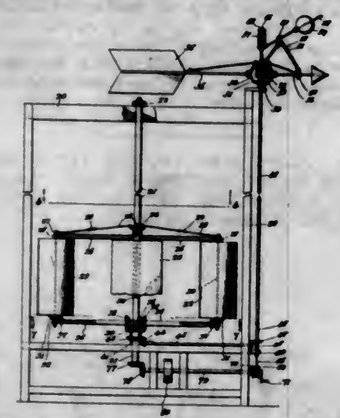
1,639,544. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed June 14, 1926. Serial No. 115,831. 13 Claims. (Cl. 246—63.)



1. Railway traffic controlling apparatus comprising means for supplying the trackway with energy in the form of coding impulses separated by time intervals during which the trackway is supplied with holding impulses, train carried means responsive to the lengths of said coding impulses, and other means on the train responsive to said holding impulses for controlling said train carried means.

1,639,545. AUTOMATIC CONTROL FOR WINDMILLS. LONNIE C. WEAVER, Deming, N. Mex. Filed Nov. 22, 1926. Serial No. 150,011. 4 Claims. (Cl. 170—75.)

1. In a windmill, the combination of a revoluble member, a plurality of vanes carried by the revoluble member, a normally stationary master element connected to the vanes for causing the same to turn in a definite angular relation with respect to one another, a shaft geared to said master element, an arm fixed to the shaft, a second arm pivoted to the shaft, means for normally swinging the free ends of said arms apart, and blades carried by said arms for impact with air currents to counter-balance the arms and move said master element for positioning the vanes for impact with air currents,



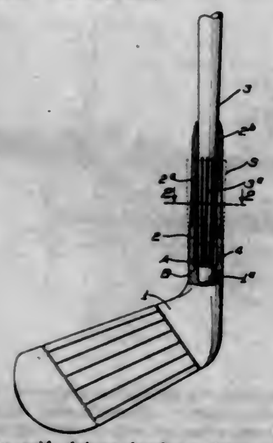
said arms adapted to be contracted for further shifting said master element to vary the angle of impact of the vanes with the air current.

1,639,546. DIAPHRAGM FOR TELEPHONE RECEIVERS. CHARLES G. WIELAND, New York, N. Y. Filed Apr. 4, 1924. Serial No. 704,131. 1 Claim. (Cl. 179—181.)



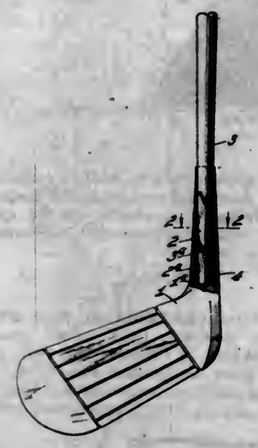
In combination with the horseshoe magnets of telephone receivers, a diaphragm comprising a one-piece thin metal disk, a relatively thick mass of magnetic material formed at the center of said disk opposite the poles of the magnet, to present a magnetic field of increased strength, and a relatively thin marginal part on said disk formed by the rapid decrease in thickness from the thick mass at its central portion towards the disk edges and terminating in a substantial knife edge for preserving the flexibility of the diaphragm.

1,639,547. GOLF CLUB. GEORGE E. BARNHART, Pasadena, Calif. Filed Oct. 14, 1926. Serial No. 141,644. 16 Claims. (Cl. 273—80.)



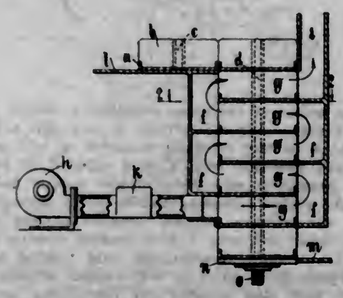
11. In a golf club, a head member provided with a socket and with a shaft, the latter being secured at its one end within the inner portion of the socket, the portion of the shaft near the outer end of said socket being freely movable within and relative to and about the outer end portion of said socket to prevent buckling of said shaft at the outer end of the socket.

1,639,548. GOLF CLUB. GEORGE E. BARNHART, Pasadena, Calif. Filed Nov. 23, 1926. Serial No. 150,222. 14 Claims. (Cl. 273—80.)



1. A golf club having a shaft provided with spiral slots, and means covering and sealing the whole of the slotted portion of the shaft.

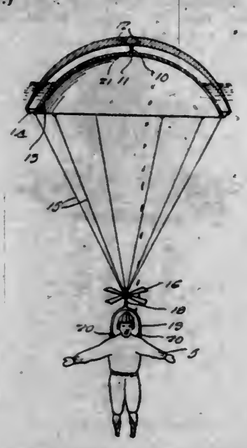
1,639,549. EGG-PRESERVATION PROCESS AND PRODUCT THEREOF. ARCHIBALD JOHN BELLAMY, Wolverhampton, England, assignor, by mesne assignments, to Egg Patents Limited, London, England, a Corporation of Great Britain and Ireland. Filed Sept. 2, 1925, Serial No. 54,149, and in Great Britain May 13, 1925. 4 Claims. (Cl. 99—5.)



1. A process for the preservation of eggs consisting of removing the shells and mixing the remainder with from 2½% to 15% of glycerine and evaporating the mixture until the residue contains not more than 35% (by weight) of moisture, substantially as described.

4. A product comprising egg material associated with glycerine and dehydrated to at least such degree as to be concentrated to a pasty mass, and characterized by the fact that the glycerine is mixed, in proportions of from 2½% to 15%, with the egg material prior to dehydration.

1,639,550. TOY. FREDERICK C. BENDER, Mineola, N. Y. Filed Jan. 25, 1926. Serial No. 83,648. 1 Claim. (Cl. 46—37.)



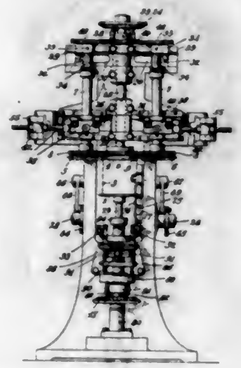
In a toy of the class described, a semi-spherical tapered plate of buoyant material with its convex side disposed upwardly and provided with openings, a semi-spherical shaped plate of non-buoyant material, smaller than the first plate, disposed within the first plate, with its convex side upwardly, flexible means at the edges of the plate to limit the separation of one from the other, a pin depending downwardly from the center of the buoyant plate and piercing an opening in the center of the non-buoyant plate, said pin having a valve head at its bottom end for closing the opening in the non-buoyant plate, a gas producing means disposed beneath the plate, and means for suspending said gas producing means from the non-buoyant plate whereby when the toy is submerged in a body of water, the buoyant plate will maintain the valve closed so that gas escaping from the gas producing means will be trapped, within the non-buoyant plate and when sufficient gas has collected in the non-buoyant plate to cause the same to rise to expose a portion of the buoyant plate above the surface of the water said buoyant plate will remain stationary while the non-buoyant plate continues to rise so that gas may escape through the opening and out to the atmosphere through openings provided in the buoyant plate.

1,639,551. CURTAIN ROD. GEORGE A. BOOTH, Holyoke, Mass., assignor of one-half to Elmer J. Johnson, Holyoke, Mass. Filed July 29, 1926. Serial No. 125,770. 2 Claims. (Cl. 156—19.)



1. A curtain rod comprising a pair of tubular sections, one having its inner end extending into the inner end of the other, each of said sections of uniform diameter throughout, said sections open at each end, a retaining element for each of said sections, each retaining element mounted on and projecting from the outer end terminal portion of that section with which it is associated, a pressure exerting spring loosely mounted in the section of smaller diameter and bearing against one of said elements intermediate the ends thereof, and a plurality of spring tensioning rods of different lengths, each having the periphery thereof plane throughout, said rods selectively mounted in both of said sections, bearing against the other of said elements and against said spring for limiting the expansion of the latter.

1,639,552. SEAMING MACHINE. JULIUS BRENZINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Jan. 27, 1925. Serial No. 5,018. 16 Claims. (Cl. 113—24.)



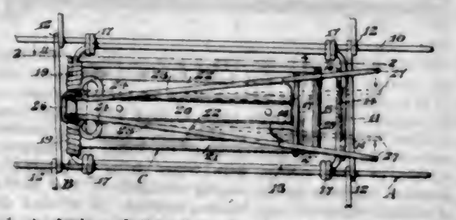
1. A seaming tool having a certain stroke toward and away from the work, and actuating means to cause said tool to complete its stroke toward the work substantially at the beginning of its seaming operation.

1,639,553. SUPERPLANE. JOHN ENLOE BROYLES, Russellville, Mo., assignor of one-half to Henry Emmet Robertson and Theodore Henry Weller, Russellville, Mo. Filed Mar. 25, 1926. Serial No. 97,277. 2 Claims. (Cl. 244—14.)



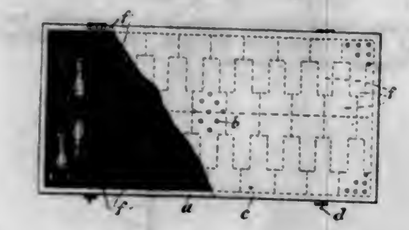
1. A super-plane including, in combination, a fuselage having a nose provided with upwardly and rearwardly inclined top merging into a downward and rearward inclination, and a bottom inclined downwardly and rearwardly and merging into a concavity, supports projecting from the nose and sides of the fuselage, and propeller motor frames mounting on the supports and having vertical and horizontal axes.

1,639,554. FOX FEED TROUGH. CEPHAS C. BUCK, Sandpoint, Idaho. Filed Oct. 23, 1926. Serial No. 143,671. 7 Claims. (Cl. 119—63.)



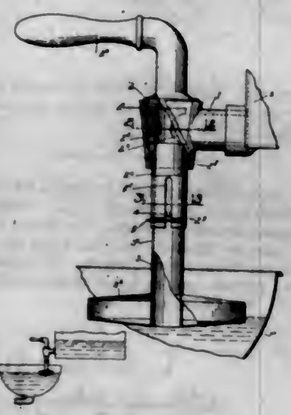
1. A device of the character described, comprising a frame adapted to be mounted in an opening of an enclosure, a combined supporting and closure element swingingly connected with the frame, a container removably carried by said element, and means on the element for locking the same closed relative to the frame.

1,639,555. SHIPPING CRATE. HENRY ALLAN CLARK, Old Harry, Magdalen Islands, Quebec, Canada. Filed Aug. 25, 1926, Serial No. 131,526, and in Canada June 16, 1925. 10 Claims. (Cl. 119—2.)



1. A shipping crate for live lobsters comprising a casing and a tray subdivided into parallel T-shaped compartments matching so as to employ all the space in the tray with the exception of two half compartment spaces at either end of the tray.

1,639,556. FLOAT-CONTROLLED FAUCET. ALBERT B. CRAVATH, Holtville, Calif. Filed June 2, 1925. Serial No. 34,330. 4 Claims. (Cl. 137—104.)

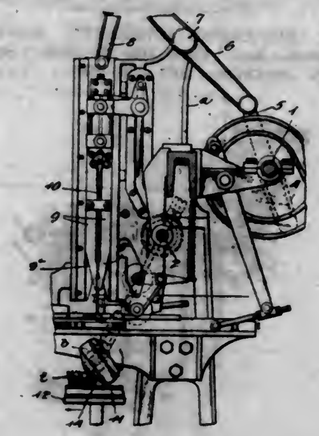


1. In a means of the class described, a hollow faucet member having a tapered portion at one end, a hollow tapered plug member rotatably mounted in said tapered portion and provided with a port adapted to register with the passage in said hollow faucet member and having a right angled extending handle on its normally upper end and with a tubular extended portion on its normally lower end, and a float member provided with a portion extending therethrough, said tubular portion being reciprocally mounted in said tubular extended portion and said plug member for controlling the flow of liquid therefrom.

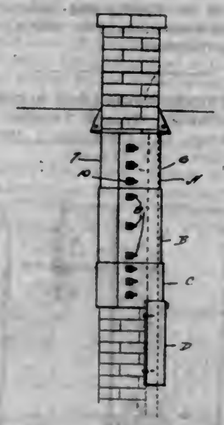
1,639,557. BRUSH-MAKING MACHINE. CHARLES E. FISHER, Baltimore, Md., assignor, by mesne assignments, to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md., a Corporation of Maryland. Filed Jan. 11, 1923. Serial No. 612,084. 5 Claims. (Cl. 300—8.)

1. In a brush-making machine, the combination with reciprocating tuft-delivering devices, of a tuft guide adapted to receive said devices and comprising two

parallel guide plates connected at their lower forward edges by a bridge-piece, said plates extending above the bridge-piece, the rear edges of said plates and their forward edges above said bridge-piece being unconnected, and means for intermittently rotating said guide in time with the movements of said devices.



1,639,558. HOUSE-FLUE JACKET. WILLIAM E. FROBISH, Columbus, Kans. Filed June 28, 1926. Serial No. 119,082. 1 Claim. (Cl. 72—94.)



In a dwelling flue jacket of the class described, a plurality of sheet metal units entirely surrounding a completed flue within the attic of the dwelling, the units being separate from the flue, each unit comprising a pair of complementary half sections adjustably secured together, means for interconnecting the units in overlapping relation, the upper ends of the sides of the uppermost units extending to the roof of the dwelling and adapted to be bent back to provide attaching flanges adapted to be secured to the roof, and a metallic plate secured at its upper edge to the lower portion of the lowermost unit, the side edge portions of the plate being bent laterally for disposition between the dwelling studdings, said laterally disposed portions being bent outwardly to provide wings adapted to be attached to the studdings.

1,639,559. FLY SWATTER. MILTON W. GATCH, Baltimore, Md. Filed Apr. 8, 1927. Serial No. 182,101. 1 Claim. (Cl. 43—137.)



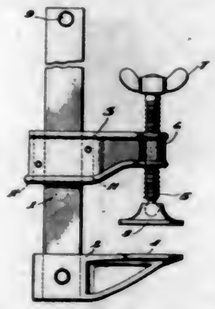
A fly swatter comprising an elongated handle, relatively wide at one and and tapering toward the other end, said handle having a perforation extending transversely through its wider portion and having grooves on its opposite edges extending from said perforation to the end of its tapered portion, a shank comprising a wire doubled upon itself, forming two strands, the central portion of said wire extending through said perforation and said strands lying in said grooves, said strands being secured together adjacent the handle to hold the wires in the grooves, and a flexible sheet secured to the ends of said strands.

1,639,560. HUNTING BOOT. WILLIAM J. HAMILTON, Kenmore, N. Y., assignor of one-half to Paul C. Dunning, Buffalo, N. Y. Filed Feb. 2, 1927. Serial No. 165,436. 11 Claims. (Cl. 36—50.)



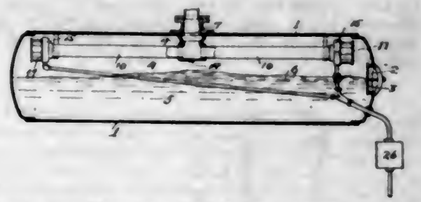
10. A method of constructing a hunting boot having a foot part, an upper including a pair of opposed fastening edges, and a tongue, which consists in securing the side edges of said tongue to said edges of said upper, securing the lower portions of said edges together in front of the lower portion of said tongue, and finally securing the lower edge portion of said upper, said secured portions of said edges and said lower portion of said tongue to the top edge of said foot part by continuous rows of stitching passing around said boot.

1,639,561. CLAMP. JOHN M. HARGRAVE, Cincinnati, Ohio. Filed Aug. 9, 1926. Serial No. 128,302. 5 Claims. (Cl. 144—308.)



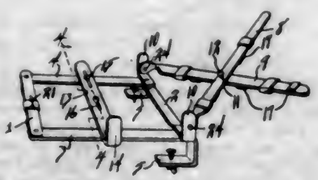
1. In a clamp, a longitudinal bar, an adjustable work engaging jaw having an aperture therein through which said bar extends, mounting blocks secured in said aperture at opposite edges of said bar, toothed elements and springs mounted in recesses formed by grooves in said blocks and the side walls of the jaw, the toothed elements diagonally located so as to grip the bar when the jaw is canted due to pressure against the work and the springs located opposite each toothed member so as to normally maintain the teeth against the bar when the jaw is in set position and not engaging the work.

1,639,562. CENTRIFUGAL FIXTURE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 28, 1924. Serial No. 752,722. 1 Claim. (Cl. 122—491.)



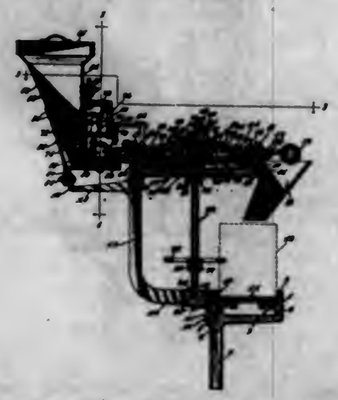
A centrifugal fluid purifying fixture adapted to operate upon its horizontal axis, comprising an annular race member having a tangential drain opening in its bottom and provided with a tangentially opposed peripheral discharge nozzle, in combination with a multiply tuyered ring adapted to whirlingly direct fluid into said race member.

1,639,563. TILTING CARRIER. B D HAYS, Fort Worth, Tex. Filed May 10, 1927. Serial No. 190,224. 5 Claims. (Cl. 224—29.)



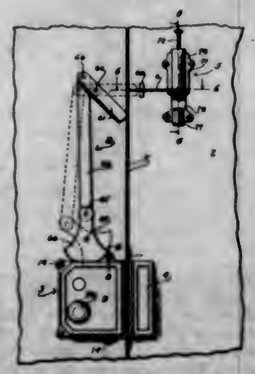
1. A tilting carrier comprising a rigid frame, a tilting frame pivotally connected to one edge of said rigid frame and normally lying thereon; a headed bolt rigid with said tilting frame and depending therefrom, and a locking bar slidably mounted on and connected to said rigid frame and provided with a slot to receive said headed bolt for locking said tilting frame to said rigid frame.

1,639,564. DISPENSING APPARATUS. FRANK HUBER, Middletown, Ind. Filed July 7, 1926. Serial No. 120,992. 15 Claims. (Cl. 226—99.)



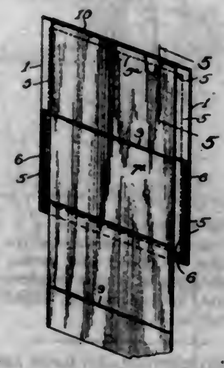
1. A dispensing apparatus comprising a horizontally disposed intermittently operable, revoluble carrier, a combined guide and trip element, a plurality of spaced radially disposed dispensers shiftably connected with and bodily movable with the carrier and travelling on said element, and said element and dispensers having co-acting means acting during the travel of the dispensers for turning each dispenser successively in opposite directions, at spaced intervals, on its longitudinal axis to alternately position it in dipping and dumping position to provide for a successive material take-up and material dumping actions therefor.

1,639,565. COMBINED DOOR-LOCK MECHANISM AND BURGLAR ALARM. GEORGE JAKOPEC and VINCENT SCHWARZ, Chicago, Ill. Filed Apr. 1, 1926. Serial No. 99,144. 5 Claims. (Cl. 116—8.)



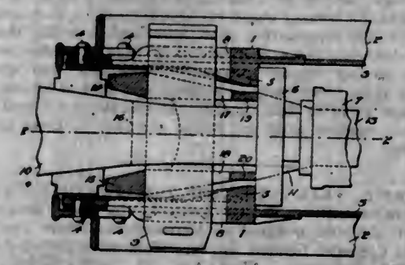
4. In a combined door lock and burglar alarm, a lock mechanism comprising a sliding bolt, a burglar alarm device, mechanism interposed between the alarm device and sliding bolt adapted to be automatically moved to alarm operating position upon locking projection of the bolt, a cam rack forming a part of the operating means for the bolt, the mechanism including a rack segment adapted to be engaged and operated by the cam rack during locking projection of the bolt, a lever pivotally supported on the door and a link connecting the rack segment and lever for moving the lever to operative position relative to the alarm device upon projection of the bolt and operation of the rack segment.

1,639,566. PATENT ENVELOPE. JAMES C. JOHNSON, Sacramento, Calif. Filed Nov. 17, 1926. Serial No. 148,857. 1 Claim. (Cl. 229—92.1.)



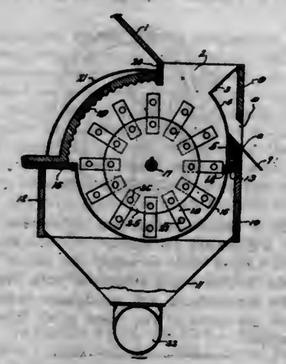
In a combined letter sheet and envelope, an envelope of rectangular formation embodying two sections, one foldable upon the other and adhesively secured together adjacent their marginal edges, a weakened line of tearing perforations adjacent and inwardly of the gummed edges, a rectangular letter sheet extended from one end of the envelope and separately foldable therein, said letter sheet being of a diameter less than the distance between the parallel side edge tearing perforations, a line of tearing perforations extending across the letter sheet adjacent its end attached to the envelope and adapted to register with the adjacent end line of tearing perforations in the envelope whereby when the letter sheet is folded within the sealed envelope access to the letter sheet and severance from the envelope is had upon severance of the gummed edge of the envelope on the lines of tearing perforations.

1,639,567. DRAFT RIGGING. BYRON W. KADEL, Baltimore, Md., assignor to The Symington Company, New York, N. Y., a Corporation of Maryland. Filed Sept. 16, 1925. Serial No. 56,760. 11 Claims. (Cl. 213—56.)



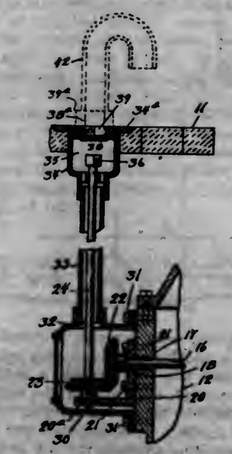
1. The combination with a slotted coupler, of slotted draft lugs connected to the inner faces of the draft sills, a slotted yoke, the slots in said draft lugs being of such length as to limit the travel of the coupler key to less than the travel of the coupler, those portions of said lugs adjacent the rear ends of said slots being materially reinforced by relatively thick metal which is extended for substantially the full width of said lugs to engage the key therealong and reduce the effective beam length thereof, the slot in the coupler normally engaging one edge of the key and spaced from the opposite edge thereof, whereby the coupler and yoke move as a unit in one direction and have relative movement in the opposite direction.

1,639,568. PROCESS AND APPARATUS FOR DELINTING COTTONSEED HULLS. THOMAS J. KIDD, Birmingham, Ala. Filed June 2, 1924. Serial No. 717,224. 35 Claims. (Cl. 19—44.)



1. In a defibrating machine for cotton seed hulls and the like, a defibrating chamber having a hull inlet, a rotor having a multiplicity of fast spinning cutter blades adapted to separate fiber from the hull skins and drive the hulls in a peripheral whirl about said chamber, means to induce a strong air current to traverse the chamber and the whirling mass of hulls, and means to permit the escape of the defibrated hull skins, there being a multiplicity of small outlets for the air with the entrained fiber over which the blades are adapted to drive the larger hulls and skin particles.

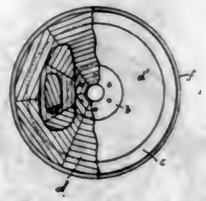
1,639,569. MANHOLE SWITCH. PAUL W. KOCH, Chicago, Ill., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 14, 1924. Serial No. 706,326. 5 Claims. (Cl. 200—153.)



1. The combination of an underground compartment, an electric switch contained in said compartment having an enclosing casing, an operating member extended through said casing and terminated adjacent the surface, a conduit enclosing said operating member and extended from the surface of the switch casing and having a water tight connection with said switch casing,

and a removable closure for the surface-end of said conduit above the end of said operating member, said conduit and switch casing having provision for free gaseous intercommunication.

1,639,570. VEHICLE WHEEL. ARTHUR ALEXANDER DASHWOOD LANG, London, England. Filed Nov. 29, 1924, Serial No. 752,971, and in Great Britain Nov. 30, 1923. 8 Claims. (Cl. 301—6S.)

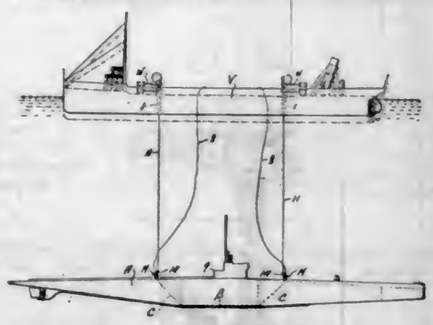


7. A vehicle wheel comprising a wooden body constituted by a plurality of laminæ or discs each built up of segments placed edge to edge, the joints of the segments in one lamina being staggered with respect to the joints of the segments in any contiguous lamina and the directions of the grain of the wood being different in the several laminæ.

1,639,571. FERMENTATION OF CELLULOSE. HERBERT LANGWELL, Epsom, England. Filed Jan. 7, 1921, Serial No. 435,734, and in Great Britain Jan. 8, 1920. 2 Claims. (Cl. 195—20.)

1. The process of obtaining alcohol which comprises preparing a mash of cellulose-containing material, inoculating said mash with an organism which is adapted to attack cellulose and thereby to produce ethyl alcohol and aliphatic acids, allowing said mash to ferment with aeration and increasing the degree of aeration above that at which mainly aliphatic acids are formed, until mainly ethyl alcohol is produced.

1,639,572. SALVAGING APPARATUS. HENRY LOTZ, Boston, Mass. Filed Nov. 7, 1925. Serial No. 67,663. 2 Claims. (Cl. 114—16.5.)



1. In combination with a vessel provided with a deck, a subdeck and a midship structure, said subdeck fore and aft being provided with an opening, a saddle underlying the midship structure, each end of the saddle being provided with a flexible member extending up through an opening in the subdeck, attaching members each comprising a shank extending through the top deck and secured to one of said flexible members at a point between the top deck and the subdeck, said shank extending above the top deck, the portion of the shank above the top deck being provided with a spear head, the apex of which being upwardly disposed, a lead line secured to the apex portion of the spear head, and a buoyant member connected to the lead line.

1,639,573. VEHICLE WHEEL. ANDRÉ JULES MICHELIN, Paris, France, assignor to Michelin et Cie., Clermont-Ferrand, France, a Corporation of France. Filed Mar. 4, 1927, Serial No. 172,893, and in France Oct. 18, 1926. 11 Claims. (Cl. 152—20.)



9. A metal rim for tires comprising a channeled annulus having circular seats to engage the beads of the tire when the tire is inflated and having its inner circumference in the form of a ring eccentric to the circle of the bead seats, but adapted to engage the circular contour of a wheel body.

1,639,574. HANDLE FOR HAND BAGS AND THE LIKE. DANIEL I. REITER, New York, N. Y. Filed Feb. 16, 1926. Serial No. 88,584. 3 Claims. (Cl. 150—33.)



1. A slip strap connector for coupling the ends of a pair of straps serving as a handle, comprising a metal holder or envelope secured about the coupled end of each strap, each holder terminating at its outer end in a ring securing extension and a ring carried by each extension, each ring having loosely threaded therethrough the other strap than to which it is secured, and said envelopes or holders being of such length that the rings are held in spaced relation with the straps extended to serve as a handle.

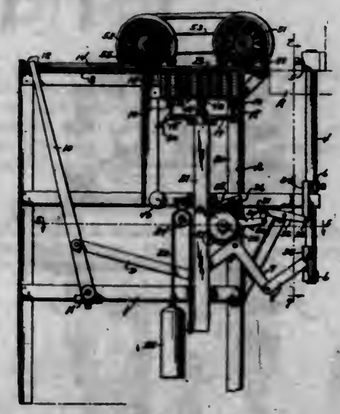
1,639,575. SEAL, JOINT, AND THE LIKE OF VACUUM CONTAINERS. ERNEST YEOMAN ROBINSON, Manchester, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a British Joint Stock Company. Filed Aug. 20, 1923, Serial No. 658,409, and in Great Britain Aug. 25, 1922. 17 Claims. (Cl. 176—126.)



10. In an apparatus which is adapted to be evacuated, a gas-tight seal between portions thereof comprising an

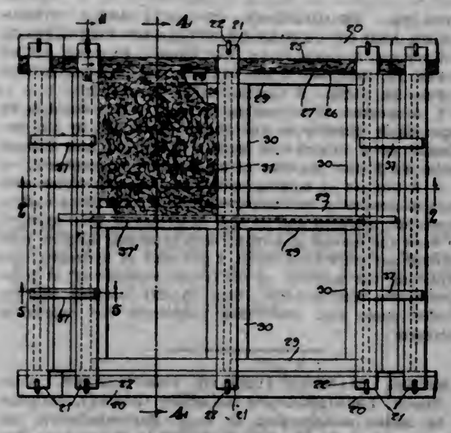
alloying medium which is flowable under a force applied thereto, said medium being co-related to and between adjoining surfaces which consist respectively of a metal capable of alloying with said medium.

1,639,576. TILE-RECEIVING MACHINE. JOHN J. SEMANKO, Morrisville, Pa. Filed Jan. 23, 1926. Serial No. 83,278. 5 Claims. (Cl. 214—6.)



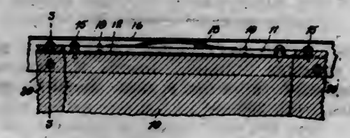
1. An apparatus of the class described, comprising a reciprocatory tray, an elevator, a weight for normally holding the elevator in raised position, a truck carried by the elevator, means for causing the articles on the tray to drop therefrom upon the truck, means for reciprocating the tray, means for lowering the elevator step by step and means actuated by the truck leaving the elevator for rendering the lowering means inactive to permit the weight to raise the elevator.

1,639,577. PORTABLE BUILDING. GEORGE F. SLATER, West Palm Beach, Fla. Filed Sept. 2, 1926. Serial No. 133,267. 4 Claims. (Cl. 20—2.)



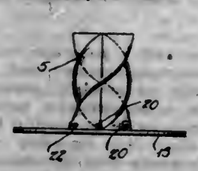
1. In a portable building, the combination with opposite wall sections, of cross-beams spaced apart and mounted on the wall sections with their ends secured thereto, said cross-beams having longitudinal grooves in their inner faces, mold strips seated in said grooves to form a seat open on its upper side clear of the inner faces of the cross-beams, and a ceiling panel introduced from above the cross-beams and resting on said seat.

1,639,578. HOLD-UP ALARM. SIGMUND STEINHARDT, New York, N. Y. Filed July 3, 1926. Serial No. 120,396. 2 Claims. (Cl. 200—86.)



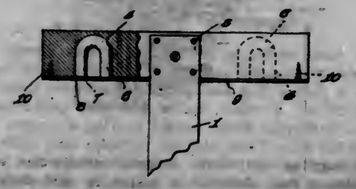
2. Foot operated circuit closing mechanism for a hold-up alarm including an elongated substantially rigid base bar of nonconducting material adapted to be placed upon the floor, a series of springs supporting a flexible conductive switch bar in spaced relationship to the base bar, a plurality of contacts connected to a common lead wire and arranged at spaced points along the base bar, whereby a circuit may be closed when the switch is locally depressed to compress adjacent springs and engage any one of said contacts, said springs comprising bowed plate-like elements having their ends resting on the base bar and their intermediate portions supporting the switch bar, and pins in the base bar engageable with the ends of the springs to limit longitudinal displacement thereof.

1,639,579. GASEOUS-FUEL MIXER. UROS TELECSKY, Akron, Ohio. Filed Oct. 14, 1926. Serial No. 141,572. 1 Claim. (Cl. 48—180.)



A fuel mixer for internal combustion engines comprising a spiral bladed device adapted to be introduced into the intake manifold of the engine, and a mounting gasket adapted to be firmly clamped between the joint flanges of an end of the manifold and an adjacent end of a carbureter outlet pipe, said gasket having a central fuel passage opening, said bladed device being rigidly attached to the gasket in line with said fuel passage opening of the latter, pairs of opposed equally spaced ears projecting inwardly of the opening of said gasket, said bladed device comprising a pair of cross spirally twisted blade plates having adjacent corner portions flatly contacting the sides of and secured to said ears, said blade plates being of elongated rectangular form before being twisted and having longitudinal slots respectively extending from opposite ends thereof to substantially midway the lengths thereof, whereby the adjacent ends of the blades are substantially flush when the blades are interfitted and arranged in crossed relation.

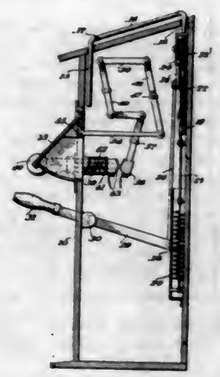
1,639,580. MAGNETIC T-SQUARE. WADE B. THOMPSON, Detroit, Mich. Filed Feb. 12, 1927. Serial No. 167,789. 4 Claims. (Cl. 33—76.)



1. A T-square of the character described comprising a blade, a head fixedly secured thereto and being provided with recesses along its contact face, horse shoe magnets

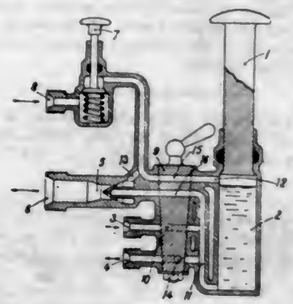
in the respective recesses and a metallic strip secured to the said face and receiving the poles of the horse shoe magnet for the purpose specified.

1,639,581. PIVOTED-CLOSURE OPERATING MEANS AND CIRCUIT CLOSER. JOSHUA E. VAUGHN, Los Angeles, Calif. Filed Oct. 8, 1923. Serial No. 667,317. 1 Claim. (Cl. 200—54.)



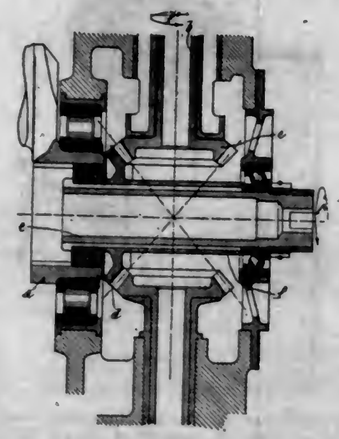
The combination with a receptacle having a pivoted closure, of a transversely arranged shaft within the receptacle, a plurality of pivotally connected links arranged to provide a parallelogram vertically disposed within the receptacle, one of the vertical links being connected with said shaft, arms depending from said shaft, arms projecting forwardly from the aforementioned arms and connected with said closure, a lever depending from the lowermost horizontal link and pivoted between its ends, an electric contact supported by said lever, a sliding plunger mounted on the front of the receptacle and movable within the latter, and an electrical contact carried by the plunger and adapted to engage the first mentioned contact to operate said shaft for the purpose specified.

1,639,582. AUTOMATIC STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. PAUL VIET, Billancourt, France. Filed Feb. 6, 1926, Serial No. 86,640, and in France June 15, 1925. 5 Claims. (Cl. 123—180.)



1. A starting device for internal combustion engines comprising a fuel chamber, a piston in said fuel chamber, a fuel inlet, a conduit for compressed air, a carburetor, and a multiple orificed valve, said valve being adapted to provide communication between said chamber and said inlet when in one position and when in another position to place said chamber in communication with said carburetor and said conduit.

1,639,583. VALVE-GEAR-OPERATING DEVICE. MARC BIRKIGT, Bois Colombes, France. Filed July 18, 1924, Serial No. 726,875, and in Belgium July 18, 1923. 1 Claim. (Cl. 123—41.)



A valve operating gear for piston engines of the internal combustion and like type including a crank shaft and a valve operating shaft disposed at right angles to each other, of a third shaft axially alined with said crank shaft and keyed thereto, cooperating beveled gears on said valve operating shaft and said third shaft, the gear on said third shaft being capable of reverse positioning whereby said valve operating shaft may be rotated in opposite directions.

1,639,584. PRODUCTION OF ACTIVATED NITROGEN AND OF OXIDES OF NITROGEN THEREFROM. WILLIAM ARTHUR BONE, St. Albans, England. Filed Feb. 19, 1924, Serial No. 693,918, and in Great Britain Feb. 28, 1923. 9 Claims. (Cl. 23—164.)

1. A method of activating nitrogen which consists in exposing it directly to the energy developed by the explosion of a mixture of carbon monoxide and oxygen under an initial pressure of at least 30 atmospheres.

9. A process of making oxides of nitrogen, which consists in producing an explosive mixture comprising carbon monoxide, nitrogen and oxygen in excess of that required to burn the carbon monoxide, said explosive mixture containing not more than about 2 per cent of hydrogen, and exploding the mixture at an initial pressure of at least seventy-five atmospheres, then rapidly cooling the exploded gases and recovering therefrom the oxides of nitrogen.

1,639,585. MANUFACTURE OF FERTILIZERS. CARL BOSCH, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a Corporation of Germany. Filed July 9, 1920, Serial No. 395,147, and in Germany July 29, 1916. 13 Claims. (Cl. 71—9.)

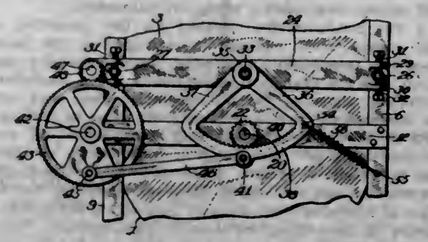
1. As a new composition of matter, a compound fertilizer comprising the elements of ammonium, potassium, and the anions of nitric and hydrochloric acid in about equivalent proportions.

1,639,586. FOUNTAIN SPRAY BRUSH. EDWARD H. BOUCHER, Stillwater, N. Y. Filed June 23, 1926. Serial No. 118,004. 3 Claims. (Cl. 15—128.)



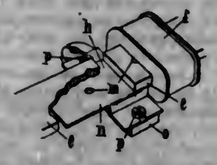
1. In a fountain spray brush, the combination with a brush head having seats provided with means for the passage of fluid from one side to the other side thereof, of removable fluid applying units having thimbles received in said seats, and a perforated plate bearing on said thimbles and holding them in position.

1,639,587. POWER WASHING MACHINE. FRANK E BOWERS, Indianapolis, Ind. Filed Sept. 27, 1924. Serial No. 740,217. 4 Claims. (Cl. 74—14.)



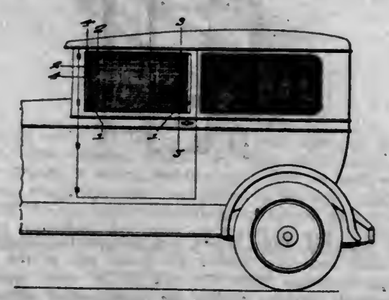
1. A power gearing including a main frame bar to be horizontally secured in place, an adjustable frame bar to be horizontally secured above the main frame bar having two vertical slots in proximity to the opposite ends respectively of the bar, the bar having also an ear above and an ear below each of the slots, two securing screws to be arranged in the slots respectively, two set-screws arranged in the upper ears to engage the securing screws respectively, two set-screws arranged in the lower ears to engage the securing screws respectively, a curved rack-bar having arms pivoted to the adjustable frame bar intermediately of said slots, a shaft rotatively supported by said main bar intermediately of its ends, a pinion secured to the shaft and being in engagement with the rack-bar, a gear wheel rotatably supported by said main bar adjacent to one end thereof and having a crank pin, and a rod connected to said crank pin and pivoted to said rack-bar.

1,639,588. APPARATUS FOR TRANSMITTING OR REPRODUCING SOUND. SIDNEY GEORGE BROWN, North Acton, London, England. Filed June 29, 1926, Serial No. 119,490, and in Great Britain Sept. 19, 1925. 5 Claims. (Cl. 179—119.)



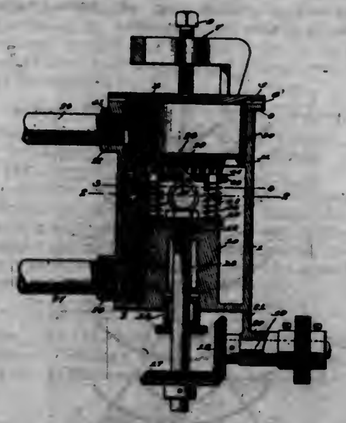
1. In phonic apparatus the combination comprising an electro-magnet having pole pieces with an air gap therebetween, a flexible non-magnetic yoke piece mounted upon and bridging the gap between said pole pieces, a rigid member supporting said yoke piece, an armature situated over said air gap and means attached to said rigid member for bending said yoke piece together with said pole pieces towards and away from said armature, as set forth.

1,639,589. SCREEN FOR AUTOMOBILES. NORMAN L. COLLTON, Newport News, Va. Filed Sept. 4, 1926. Serial No. 133,624. 3 Claims. (Cl. 296—48.)



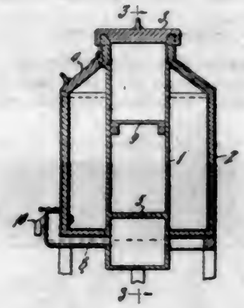
1. In combination with a window of a vehicle, channel shaped guiding strips having hooks at their upper ends and placed at the sides of the window opening with their hooks engaging portions of the window frame, a screen frame slidably mounted in the channel shaped strips, means connected with the movable part of the window for raising said screen frame when said movable part is raised, frictional means for holding the screen frame in raised position and a handle connected with the screen frame to permit the same to be lowered.

1,639,590. SCREEN CLEANER. LEVIN O. CORKRAN, Rhodesdale, Md. Filed Dec. 6, 1926. Serial No. 152,987. 4 Claims. (Cl. 210—152.)



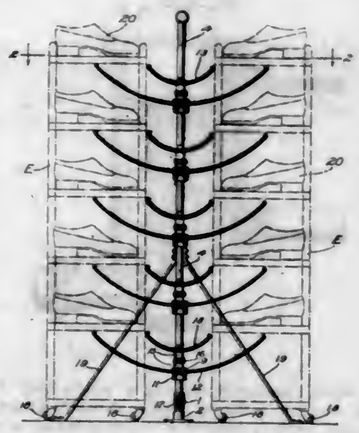
1. A screen cleaner comprising a hollow body having an inlet and an outlet, a screen disposed within said hollow body between said inlet and said outlet, a rotary shaft extending into said hollow body on the inlet side of said screen, a pair of spaced studs supported on said rotary shaft and operable by said shaft, said studs having free end portions, and a brush having openings in its back for the reception of the free end portions of said studs and having bristles in contact with said screen, said brush back having a central opening through which material may pass from said inlet to said screen.

1,639,591. REFRIGERATOR. SAVERIO COZZOLINO, Bosburg, Wash. Filed June 20, 1924. Serial No. 721,305. 1 Claim. (Cl. 62—83.)



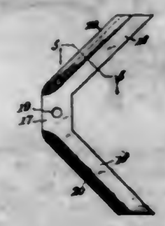
A combined water cooler and refrigerator comprising an inner and outer casing, the lower end of the inner casing extending below the end of the outer casing, a horizontal partition within the inner casing above the plane of the bottom of the outer casing and forming a drain chamber in the lower end of the inner casing, a supporting rack arranged in a horizontal position and in spaced relation with said partition to form an article receiving chamber and an ice chamber beneath the same, a cover for each of said casings, an L-shaped water passage having its lower end communicating with the drain chamber and its upper end arranged slightly above the horizontal partition adjacent the lower end of the inner casing, said L-shaped water passage being adapted to act as a gauge for the drain chamber, and a faucet having connection with the interior of the outer casing as and for the purpose specified.

1,639,592. SHOE-SOLE DRIER. LOUIS HERMAN DASTIS, Brooklyn, N. Y. Filed Aug. 28, 1926. Serial No. 132,298. 3 Claims. (Cl. 34—26.)



1. A drier, including a support, heating elements on the support, and deflectors on the support above and below the heater, the upper deflectors being narrower than the lower deflectors, said deflectors and heaters having fixed relationship and the upper edges of both deflectors being in substantially the same horizontal plane.

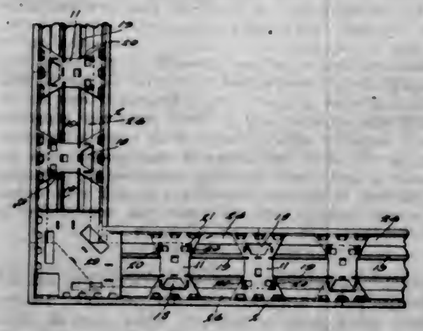
1,639,593. HEEL SWEEP AND METHOD OF MAKING THE SAME. HENRY A. DEAN, Rome, Ga., assignor to Towers & Sullivan Manufacturing Co., Rome, Ga., a Corporation of Georgia. Filed Dec. 7, 1925. Serial No. 73,712. 2 Claims. (Cl. 29—148.3.)



1. An improved heel sweep comprising an enlarged perforated intermediate portion and angularly extending wing portions stamped from the metal stock into angular relation with the wing portions narrower than the intermediate perforated portion, the forward longitudinal edges of said wing portions being drawn out and beveled to sharpened edges, the original stamped cross section of said intermediate portion being left untouched.

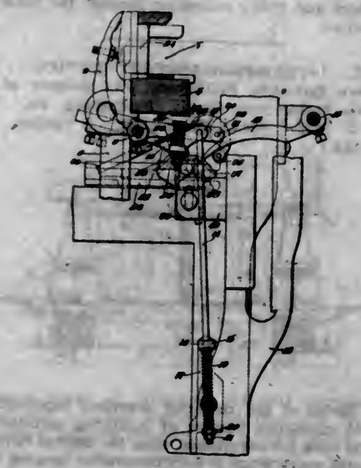
2. The hereindescribed method for the production of heel sweeps which consists in cutting from the metal stock the intermediate and wing portions forming each sweep with the wing portions originally cut at rearwardly extending angles to the intermediate portion and with the intermediate portion originally cut wider as compared with the wing portions, both said intermediate and wing portions being cut rectangular in cross section and with the intermediate portion perforated, and subsequently drawing out and beveling to sharpened edges the forward edges of the wing portions only, leaving the intermediate portion in its original rectangular cross section.

1,639,594. BUILDING FORM. FRANK L. DECKER, Kimble, Pa. Filed June 21, 1924. Serial No. 721,542. 1 Claim. (Cl. 72—30.)



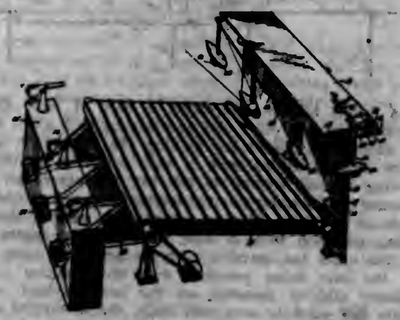
A hollow wall construction comprising two spaced courses of slabs which are arranged in staggered relationship in the same course and also with relation to the other course, said slabs having grooves extending across their two horizontal surfaces, tie plates having flanges received in said horizontal grooves, horizontally arranged spacer plates of a length equal to the length of a slab supported by said tie plates, said spacer plates consisting of horizontal elements, the ends of which receive the tie plates, and vertical elements in right angular relationship, said vertical elements being slitted centrally and having spaced arms with inturned ends which straddle U-shaped vertical wall plates of the height of a slab and a filling of mortar in the voids formed by said spacer plates and said wall plates.

1,639,595. SHUTTLE-BOX TENSION-CONTROLLING MECHANISM FOR LOOMS. CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Nov. 7, 1924. Serial No. 748,339. 1 Claim. (Cl. 139—225.)



A weft replenishing loom of the bobbin changing type having, in combination, weft replenishing mechanism including a change shaft, a lay having shuttle boxes provided with binders, a dagger rod on the lay, binder fingers on the dagger rod, a forwardly extended lever on the dagger rod, a rearwardly extended lever on the change shaft cooperating with the lever on the dagger shaft to turn the dagger shaft to relieve the pressure on the binders when the change shaft is operated to cause weft replenishment.

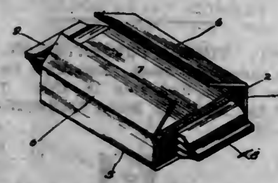
1,639,596. AMUSEMENT DEVICE. ARTHUR M. DRITZ, New York, N. Y. Filed Apr. 7, 1927. Serial No. 181,771. 6 Claims. (Cl. 273—101.)



1. An amusement device, including a moving frangible prize-supporting target, and means for projecting a projectile at said target, whereby hitting and breaking of the same releases the prize supported thereby for delivery to the participant.

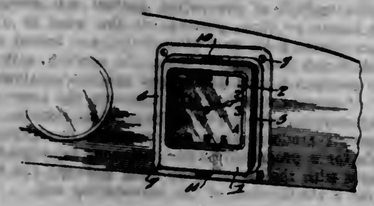
1,639,597. CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, a Corporation of Delaware. Original application filed May 23, 1922, Serial No. 562,946. Divided and this application filed Feb. 27, 1924. Serial No. 695,570. 1 Claim. (Cl. 175—41.)

A condenser comprising a stack containing one or more sheets of conductive material separated by insulation, a clamp embracing said stack, the clamp being of stiff, strong, bendable material, and extending over one face of the stack, the clamp being bent across both sides of the stack with its ends turned down against the opposite face, the ends of the clamp being separated, a plate on said opposite face with its opposite edges beneath the



separated ends of the clamp and held thereby firmly against said opposite face of the stack, said clamp and plate forming a casing for the stack open at both ends, through which the two extremities of the stack appear, part of the conductive sheets being exposed at one end of the condenser, and part at the other end to enable the condenser to be connected to an electric circuit.

1,639,598. AUTOMOBILE CLOCK. LEO EDELMANN, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 17, 1925. Serial No. 3,169. 6 Claims. (Cl. 58—56.)



1. An automobile clock comprising a clock case, a mounting case adapted to removably receive the clock case, and means by which the clock case is given sliding and swinging support with respect to the mounting case to be withdrawn from the case and turned with its back forward for winding.

1,639,599. PAINT FORMULA. LOUIS FRANCIS, Miami, Fla. Filed Feb. 1, 1926. Serial No. 85,391. 1 Claim. (Cl. 134—54.)

The process of forming a transparent paint composition which comprises finely grinding inner tubes and rubber tires, mixing approximately three and one half parts of the ground tubes and tires with approximately five parts of rosin and boiling the mixture until the ground inner tubes and casings have been dissolved.

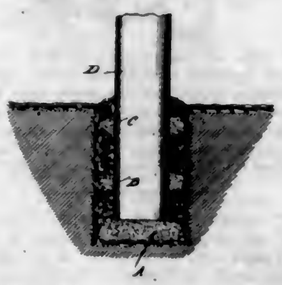
1,639,600. HEADLIGHT ATTACHMENT. CARRIE B. FRIBERSON, Cleveland, Miss. Filed Mar. 30, 1926. Serial No. 98,551. 4 Claims. (Cl. 240—48.4.)



1. A glare shield attachment for automobile head lights including a bendable visor-like tapered plate adapted to have its transversely curved rear edge secured to a

head light casing the rear portion of the plate being parallel with the central longitudinal axis of the casing and including a bendable tapered forward extension adapted to screen the forwardly projected horizontal rays of a light in the casing, said extension being bent forwardly and downwardly at a sharp angle and terminating below the plane of the central longitudinal axis of the casing.

1,639,601. TIMBER PRESERVATION. HENRY C. GARDINER, Anaconda, Mont. Substitute for application Serial No. 44,532, filed July 18, 1925. This application filed Apr. 28, 1927. Serial No. 187,255. 3 Claims. (Cl. 99—12.)



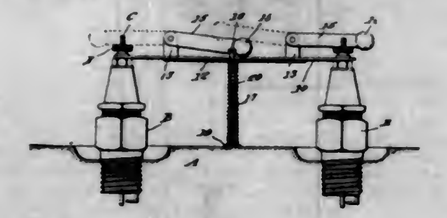
1. The method of preventing against rot, decay, and insect injury to those portions of the wood in articles such as posts, poles and piles which are buried in the ground which comprises placing in contact with such buried portions a solid pulverulent arsenic-containing material of gradual dissolvability, encasing the arsenic containing material with a relatively pervious covering which will permit gradual seepage of moisture therethrough to provide for a progressive and continuous impregnation of the poles with the arsenic-containing material and to provide for a sterilization of the surrounding soil.

1,639,602. TOY PARACHUTE. HENRY GAY, Newark, N. J. Filed July 23, 1926. Serial No. 124,434. 1 Claim. (Cl. 244—21.)



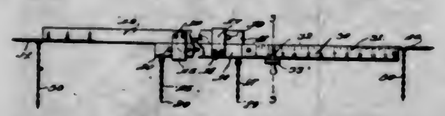
In a toy parachute, a rod, an annular enlargement at its inner end of elongated formation, an enlarged head at the outer end of the rod, an apertured disk freely slidable on the rod between the annular enlargement and head and limited in sliding movement thereby, a fabric parachute body having peripheral cord connections with the disk, a projecting device comprising a barrel to receive the rod with the annular enlargement moving therein like a piston, a reciprocating plunger within the barrel inwardly of the rod, elastic connections between the plunger and the outer end of the barrel and a pull cord for operating the plunger attached at one end to the plunger and freely extending through the inner end of the barrel.

1,639,603. SPARK-PLUG-TESTING DEVICE. FRED WILLIAM GOWRAND, Philipsburg, Pa., assignor of one-half to Frank Coen Croyle, Philipsburg, Pa. Filed Nov. 7, 1925. Serial No. 67,628. 2 Claims. (Cl. 175—183.)



1. A device of the character described comprising an elongated supporting member of insulating material slotted at its ends for engagement upon the central electrodes of adjacent spark plugs a metallic member secured to the underside of said insulating strip and having ears located above the strip, a spring pressed plunger slidable through both strips and in electrical contact with the metallic member and adapted to engage the engine to provide a ground connection and contact arms equipped with handles and pivotally mounted on said ears to be capable of swinging into engagement with the central electrodes of the spark plugs.

1,639,604. DEVICE FOR ALIGNING WHEELS. JOSEPH H. GRAY, St. Joseph, Mo. Filed Mar. 12, 1927. Serial No. 174,958. 1 Claim. (Cl. 33—203.)

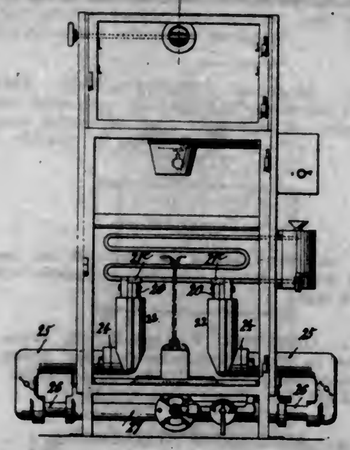


A wheel aligner comprising a pair of bars slidably mounted on each other and over-lapping each other at one of their ends, means for guiding the bars, each of the bars being provided with a slot, a spring in the slot having an end secured to one bar, the other end being secured to the other bar for maintaining the over-lapping ends of the bars in close association, one of the bars being provided with a scale with the over-lapping end of the other bar movable over the scale, the other ends of the bars being provided with tire-engaging rods, a pointer slidably mounted on the bar provided with a scale and movable over said scale, chains carried by the last-mentioned bar and having tips at the free ends adapted to engage the floor for determining the initial horizontal position of the aligner when applied to a pair of wheels.

1,639,605. GAS HEATED AND RADIATING ELEMENT. WILLIAM GUY-PELL, London, England. Original application filed Aug. 8, 1925, Serial No. 48,941, and in Great Britain Dec. 9, 1924. Divided and this application filed Oct. 20, 1926. Serial No. 142,987. 6 Claims. (Cl. 126—41.)

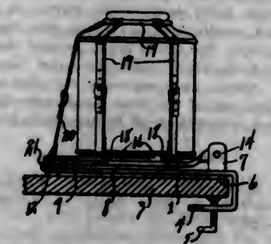
1. In apparatus of the character described, a heat radiating element embodying a vertically arranged metal plate, heating means for said plate, means supported on

said heating means and supporting said radiating element free of metallic contact with said heating means, com-



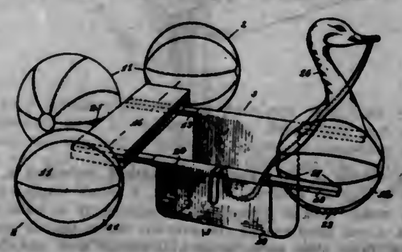
prising a frame of refractory material marginally engaging said radiating element and therewith forming a combustion chamber adjacent said heating means.

1,639,606. TILTING PACKAGE CARRIER. B D HAYS, Fort Worth, Tex. Filed May 27, 1927. Serial No. 194,684. 4 Claims. (Cl. 224—29.)



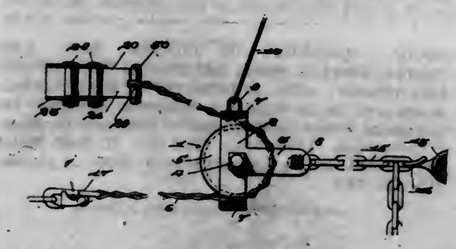
1. A tilting carrier comprising a rigid frame provided with upstanding bearing lugs on its outer edge and upstanding lugs on its inner edge and a tilting frame consisting of diagonally arranged bars loosely pivoted together and provided with openings at its inner edge to receive said lugs and provided with pivot lugs for engaging said bearing lugs.

1,639,607. WATER-SPORT APPARATUS. BEULAH LOUISE HENRY, New York, N. Y., assignor of one-half to Edwin A. Guinsburg, New York, N. Y. Filed June 19, 1926. Serial No. 117,123. 3 Claims. (Cl. 9—21.)



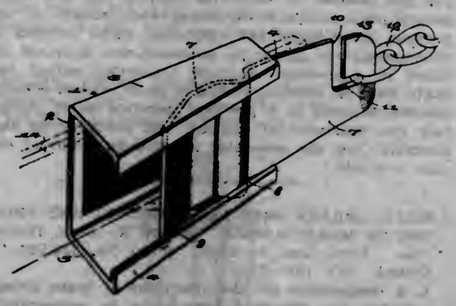
1. A water sport apparatus comprising a buoyant supporting structure, and inflatable and deflatable buoying means which aids to sustain said supporting structure to which said means is connected, said supporting structure comprising longitudinals, a seat, a foot rest, loops on the seat, a strap on each of the longitudinals, the straps engageable respectively with the loops, and means holding the straps detachably engaged with the loops.

1,639,608. HITCH FOR DRAFT ANIMALS. CHRISTIAN HOFLAND, Newburg, N. Dak. Filed Mar. 24, 1926. Serial No. 97,048. 3 Claims. (Cl. 54—32.)



2. In a draft gear of the character described, a pulley comprising a frame substantially elliptical in cross sectional contour and a sheave supported for rotation between the side portions of the frame and about an axis substantially coincident with the minor axis of the frame, said frame including a pair of arms respectively disposed at opposite sides of said sheave and extending in parallel relation to each other, means connecting said arms with a vehicle or implement that is to be drawn, means whereby said pulley frame is suspended from the harness of a draft animal, a chain passed about the periphery of the sheave between the side portions of the pulley frame, means at one end of said chain for connecting the latter with a hame of the draft equipment of said draft animals, and means at the opposite end of the chain for connecting the chain with the trace of the harness of the leading draft animal.

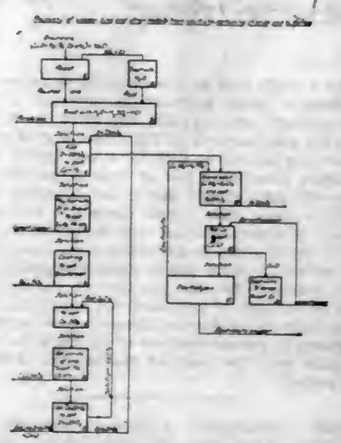
1,639,609. COUPLING. CHRISTIAN HOFLAND, Newburg, N. Dak. Filed Aug. 27, 1926. Serial No. 131,953. 2 Claims. (Cl. 24—194.)



1. A device of the character described comprising a body substantially U-shaped in cross sectional configuration and comprising a substantially flat bottom and a pair of parallel sides having inturned longitudinally extending free edge portions constituting lips, said sides of the body decreasing in width regularly from one end of the body to its opposite end so that said lips are inclined longitudinally of the body, a clamping member having a main portion of uniform width adapted to fit slidably in the body between the side members of the body and in sliding contact with the inner faces of said inclined lips, said clamping member also including an attaching end portion tapering in width toward its outer end, the main portion of said clamping member being bent trans-

versely adjacent to its juncture with said attaching portion to produce a substantially U-shaped corrugation and being also bent at its free end until the free edge of said main portion of the clamping member is substantially flush with the crest of said U-shaped transverse portion of the clamping member, the faces of said main portion of the clamping member which are opposite to said transversely bent U-shaped portion and said end portion being substantially flush and constituting clamping faces, said attaching end portion of the clamping member being adapted for engagement with a chain.

1,639,610. RECOVERY OF COPPER, ZINC, AND OTHER METALS FROM SOLUTIONS CONTAINING CHLORIDES AND SULPHATES. KARL MATTENKLODT and HANS SCHRAMM, Duisburg, Germany, assignors to Duisburger-Kupferhutte, Duisburg, Germany, a Corporation of Germany. Filed Nov. 17, 1926, Serial No. 149,010, and in Germany Apr. 9, 1925. 5 Claims. (Cl. 75—18.)



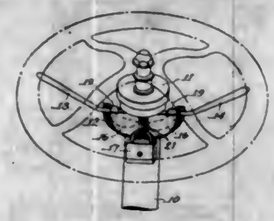
1. The process of recovering copper, zinc and other metals from solutions containing such metals in the presence of chlorides and sulphates, which consists in precipitating the copper by means of zinc hydroxid obtained in a previous operation, separating sodium sulphate from the solution, adding so much calcium chloride solution obtained in a previous operation as to precipitate the remainder of sulphur, and precipitating zinc hydroxid from the remaining solution by means of calcium hydroxid.

1,639,611. BRAKE DRESSING COMPOUND AND PROCESS OF MAKING SAME. GEORGE W. NASH, Denver, Colo. Filed Sept. 4, 1926. Serial No. 133,727. 5 Claims. (Cl. 134—11.)

1. A composition for the treatment of brake linings comprising the following ingredients in substantially the named proportions, viz: 1 gallon lubricating oil, 1 ounce powdered mica, 1 ounce fuller's earth, 1 ounce bicarbonate of soda, ½ ounce pumice stone and ⅛ ounce oil of eucalyptus.

1,639,612. LOCKING DEVICE FOR MOTOR CONTROLS. JOHN F. NEVIUS, New York, N. Y. Filed Mar. 17, 1926. Serial No. 95,241. 2 Claims. (Cl. 70—126.)

1. The combination with a control assemblage including a quadrant, movable control levers, and a housing; of a locking device comprising companion parts each adapted to rest upon the quadrant, each of said parts having a hook engageable with one of the control levers and a portion of the quadrant, each of said parts having a portion engageable with the under side of the housing,



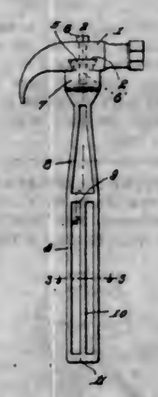
each of said parts having an apertured lug, and key actuated locking means releasably engageable with the apertured lugs.

1,639,613. DIGESTER. CARLTON RIDDLE, Akron, Ohio, assignor to The McNeil Boiler Company, Akron, Ohio, a Corporation of Ohio. Filed July 11, 1925. Serial No. 43,042. 12 Claims. (Cl. 92—18.)



1. In a digester for the uses and purposes set forth, a tank having inlet and outlet ports in the central region thereof, shells located within the tank at either side of said ports, the shells being secured directly to the wall of the tank about circumferential lines at either side of the ports, and supports for the ends of the shells at either end of the tank, said supports permitting expansion and contraction of the shells independently of the tank.

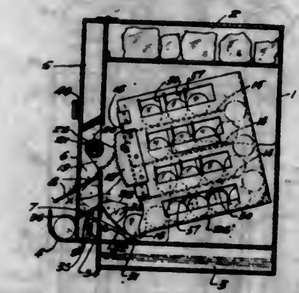
1,639,614. HAMMER. ALPINE B. ROSSON, Lincoln, Ark. Filed June 9, 1925. Serial No. 35,993. 1 Claim. (Cl. 306—27.)



A device of the character described including a handle having an enlarged inner end, a transversely extending wedge tongue formed at the extremity of said inner end, a tool head having transversely wedge-shaped grooves with their side walls beveled inwardly and adapted to receive therein the wedge shaped tongue on the handle, said enlarged inner end having a threaded bore centrally thereof and extending longitudinally, the head

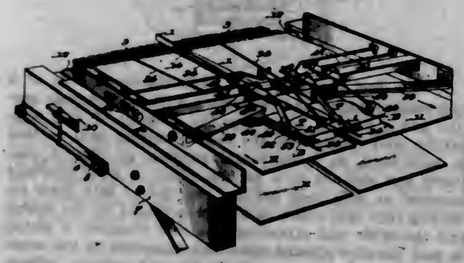
having an opening aligning with the bore and a threaded bolt passed through the tool head and threaded into the bore of the handle for retaining said tool head against movement relative to the handle.

1,639,615. BOTTLE-VENDING MACHINE. JAMES E. SAPP, Bainbridge, Ga., assignor of one-half to Roland Bower, Bainbridge, Ga. Filed May 20, 1926. Serial No. 110,409. 8 Claims. (Cl. 211—8.)



1. In a bottle vending machine, a receptacle pivotally mounted in unbalanced relation, with the preponderance of weight toward the front, causing the bottom of said receptacle normally to assume a position in which the bottom thereof is inclined downwardly toward the front, partitions in said receptacle lying parallel to the bottom, said partitions being spaced apart, and from said bottom, to form bottle receiving tiers, the lowermost of which is open at the front, said partitions being arranged to form space at the back to permit descent of bottles to the lowermost tier, means to permit the discharge of but one bottle from the front of the lowermost tier, when the receptacle is in normal position, and means for elevating the front of said receptacle sufficiently to reversely incline said partitions and bottom.

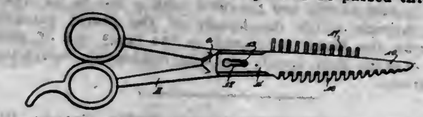
1,639,616. TOOL AND MACHINE FOR FETTLING FLOOR AND WALL TILE. MALCOLM A. SCHWEIKER, Lansdale, Pa., and JAMES R. WESTBROOK, Metuchen, N. J. Orginal application filed Apr. 16, 1923, Serial No. 632,590. Divided and this application filed July 21, 1924. Serial No. 727,835. 7 Claims. (Cl. 25—104.)



1. In a machine for fettling floor and wall tiles, the combination with a carrier belt for supporting and advancing the tiles, of a bridge arranged in crosswise relation to, and located above, said belt, and tile fettling means carried by said bridge adapted to chamfer an edge of the tiles.

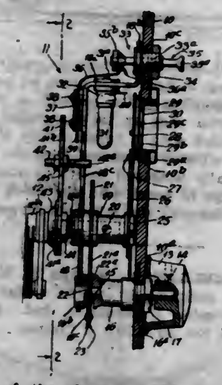
1,639,617. COMBINED HAIR COMB AND CUTTER. EUGENE SEAVEY, Ridgefield Park, N. J. Filed Dec. 7, 1925. Serial No. 73,841. 3 Claims. (Cl. 30—13.)

1. An attachment for shears presenting spaced sides having longitudinal series of teeth, one of said sides having a shank at the rear end formed with a keyhole slot, together with a screw adapted to be passed through



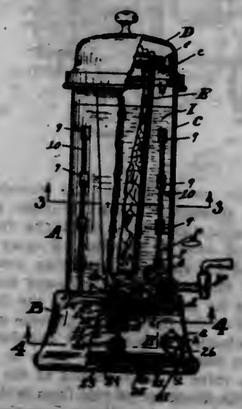
shear blades for pivotally connecting the same, said screw having an undercut end to receive said slot at its narrowest portion.

1,639,618. ILLUMINATED DIAL CONTROL. SAM A. SHAPIRO, New York, N. Y., assignor, by mesne assignments, to Arthur Dorsey, New York, N. Y. Filed Dec. 20, 1926. Serial No. 155,987. 10 Claims. (Cl. 240—2.)



1. A device of the character described comprising a panel, and control means adapted to operate a tuning device mounted on the rear side of the panel, said means including a drive shaft extending through the panel adapted to be manipulated from the front side thereof, a dial mounted at the rear of the panel and adapted to move with said device, and a light for the dial mounted at the rear of the panel, said panel having a window for observing the dial from the front of the panel.

1,639,619. DRINK DISPENSER. HARRY C. SMITH, Los Angeles, Calif. Filed Aug. 21, 1924. Serial No. 733,312. 4 Claims. (Cl. 225—21.)



1. In a fluid dispenser, a container for the fluid, an agitator comprising a perforated air tube mounted in the bottom of said container, an air compressor mounted on

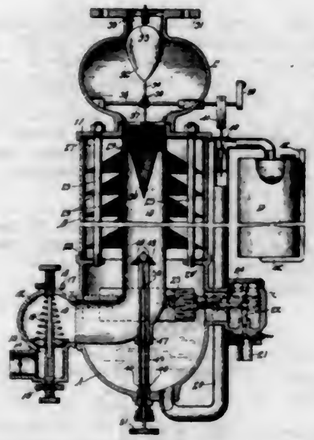
said container to which said tube is connected, a handle for operating said compressor, a link connected at one end to said handle and provided with a slot in its other end through which the handle of the faucet extends whereby the faucet is opened as the inner end of said slot engages said handle and the compressor completes its stroke.

1,639,620. RAIL JOINT. CHARLES TROUP, Watseka, Ill. Filed July 24, 1926. Serial No. 124,623. 2 Claims. (Cl. 238—203.)



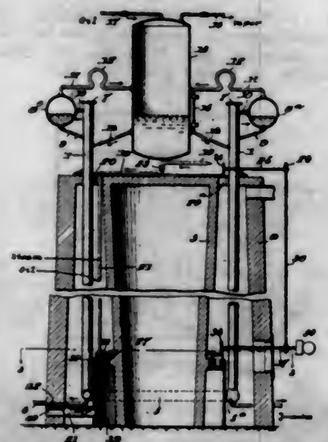
1. A rail joint including a base to receive meeting rail ends and having a fixed side plate to overlie the rail ends at corresponding sides thereof, a clamping plate to overlie the rail ends at their opposite corresponding sides and provided with a substantially V-shaped lug, a clamping block slidably connected with the base and having a substantially V-shaped cavity to accommodate said lug, and a wedge to coact with the block for advancing the block and clamping the rail ends between said plates.

1,639,621. CARBURETOR. ALBERT E. WEAVER, Indianapolis, Ind., assignor, by mesne assignments, to Ira T. Swarts, trustee, Indianapolis, Ind. Filed June 15, 1920. Serial No. 389,155. 6 Claims. (Cl. 261—72.)



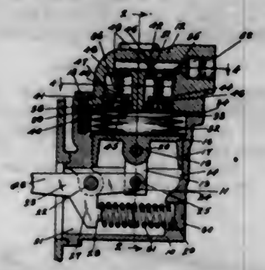
6. A carburetor comprising a fuel chamber, an air passage leading through said fuel chamber and having passages forming communication with the fuel chamber above the normal level of the fuel, a spray nozzle extending into said air passage and having communication with the fuel in the fuel chamber adjacent the bottom of the same, means for admitting air into the fuel chamber beneath the level of the fuel said air passage and passages forming communication with the fuel chamber above the level of the fuel being open at all times to the suction of the engine, a valve movable axially of the air passage for controlling the discharge of fuel from said carburetor, a rack on said valve, and a pinion engaging said rack for moving the valve to permit a larger or smaller amount of fuel to pass by the same, substantially as set forth.

1,639,622. APPARATUS FOR HEATING OILS. FRANK E. WELLMAN, Kansas City, Kans., assignor to Kansas City Gasoline Company, Kansas City, Kans., a Corporation of Kansas. Filed June 3, 1922. Serial No. 565,633. 12 Claims. (Cl. 196—110.)



12. A heating system for pipe stills, having stationary liquid containing pipes and a burner adapted to pass a flame intermittently and individually over the heating surfaces of the pipes in periodic rotation.

1,639,623. FUEL PUMP. JOHN WILLIAM WHITE, Buffalo, N. Y. Filed Nov. 28, 1924. Serial No. 752,554. 4 Claims. (Cl. 103—148.)

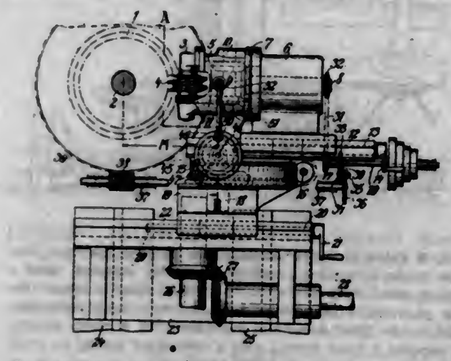


1. In a fuel pump mounted upon the crank case of a hydrocarbon engine and comprising a chambered body portion and a head, a bellows in the chamber of said body portion and secured by the means uniting said portion to said head, in a horizontal position so that it contracts and expands in a vertical plane, a lever pivotally mounted on said body portion, one end of said lever extending into said crank case to be actuated by the engine and the other end extending into said chamber, a piston in said chamber pivoted upon and supported by the other end of said lever in contact with said bellows, adjustable spring means normally holding said lever and piston to permit the bellows to expand and valve mechanism in said head comprising intake, outlet and relief valves.

1,639,624. MACHINE FOR CUTTING GEARS. FRIEDRICH WOLTZENDORFF, Berlin, Germany. Filed Oct. 5, 1922, Serial No. 592,479, and in Germany Oct. 7, 1921. 12 Claims. (Cl. 90—4.)

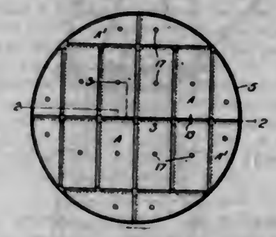
1. A machine for cutting gears, comprising a rotatable blank carrier, a bracket carrier, a rotatable cutter bracket mounted to swing on said bracket carrier upon an axis at

right angles to the axis of the blank carrier, a cutter carrier mounted for rotatable adjustment of said cutter bracket about an axis at right angles to the axes of rotation of said blank carrier and said cutter bracket, the bracket carrier being adapted for adjustment of said cutter bracket toward and away from the blank carrier axis.



5. A machine for cutting gears, comprising a rotatable blank carrier, a main slide movable toward and from said carrier, a cutter carrier movable in unison with said slide and also mounted to swing relatively thereto about an axis parallel with the path of said slide, an auxiliary slide mounted on said carrier and movable toward and from the axis of such cutter carrier, a cutter bracket mounted to swing on said auxiliary slide about an axis parallel to the path of said slide, and a cutter journaled in said bracket to rotate about an axis lying in a plane perpendicular to the path of said slide.

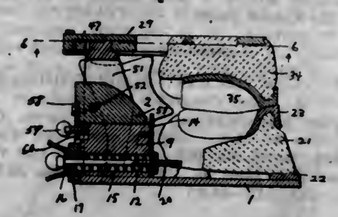
1,639,625. OIL-STORAGE TANK. IVAN RODIONOVITCH AFONIN, Baku, Caucasus. Filed Apr. 25, 1927, Serial No. 186,528, and in Russia Feb. 7, 1926. 6 Claims. (Cl. 220—26.)



5. Means according to claim 8 for preventing the evaporation of fluid in a storage tank wherein each of the floats has an upper wall and a lower wall and comprising tubes extending through said upper and lower walls for the escape of gas contained in the spaces between the depending side walls of the floats and means for closing the upper ends of said tubes.

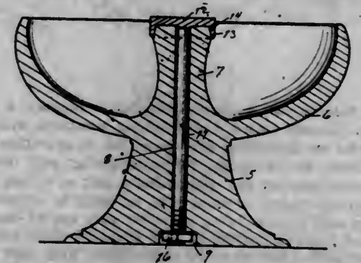
1,639,626. DENTAL ARTICULATOR. WILLIAM R. RADGER, Hubbard, Ohio. Filed Sept. 4, 1925. Serial No. 54,526. 2 Claims. (Cl. 32—1.)

1. A dental apparatus for the purpose set forth, comprising a lower body member and an upper overlying body member, said lower member having its sides rounded to the center thereof, and its said sides at the rear thereof formed with extensions whose outer corners are rounded and whose inner edges are formed with approximately central extensions, the upper body member having its rear portion extended laterally and its outer portion rounded from the sides to the center thereof, said lateral extensions designed to rest upon the rounded corners of the first mentioned extensions and being formed with guide flanges which project over the sides of the said first mentioned extensions, means for removably connecting the rear portions of the bodies, said means including slidable cooperating blocks, spring means influencing the block of one of the members in one direction over the



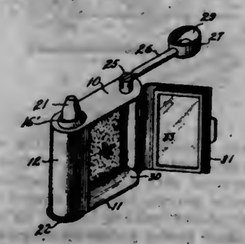
block of the other member, adjustable means for limiting such sliding movement in both directions, a hinged connection between one of said blocks and one of said members, and means between said hinged connection and said body member permitting a lateral adjustment of said body member and a limited lateral movement of said body member after such adjustment.

1,639,627. NUT-BOWL FITTING. RAYMOND K. BAILEY, Nogales, Ariz. Filed Apr. 21, 1926. Serial No. 103,594. 3 Claims. (Cl. 146—14.)



1. In a device of the character described the combination with a nut bowl having a bore formed therethrough, of a rod passing through said bore, an anvil secured to said rod, said anvil having a depending internally tapered annular flange, means for securing said rod and said anvil to said bowl in such a manner as to compress the fiber of said bowl at its point of contact with said flange.

1,639,628. TOILET ARTICLE. WILLIAM L. BASS, New York, N. Y. Filed May 31, 1927. Serial No. 195,371. 11 Claims. (Cl. 206—56.)



7. A toilet article adapted to be held in the hand for applying lip rouge, said article having an upper plate provided with an aperture near the front thereof, a lip-

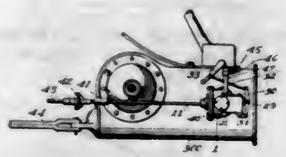
stick refill carried underneath the upper plate in a position to permit the pencil of the lipstick refill to be passed outwardly through the aperture in the upper plate, and a cap pivoted on the rear part of the upper plate a sufficient distance back of the aperture to permit swinging the cap away from the tip of the lipstick pencil where it will not interfere with the application of the same, said cap being capable of being shifted by the thumb to uncover the lipstick pencil.

1,639,629. CLICK MECHANISM FOR FISHING REELS. FRANCIS M. CASE, Cleveland, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Original application filed July 26, 1923, Serial No. 653,916. Divided and this application filed June 26, 1925. Serial No. 39,725. 1 Claim. (Cl. 242—84.6.)



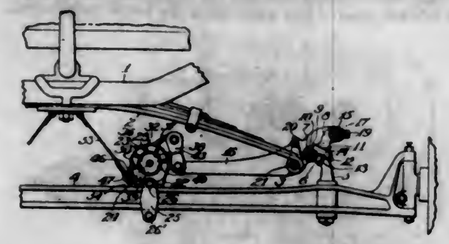
In a fishing reel, a frame including a support, a spool rotatable in said frame, a click pinion rotatable with said spool, and an adjustable click pawl for co-operation with said pinion, spring means for maintaining said pawl in the desired position and comprising a pair of spring wires each having its end portions bent laterally in opposite directions, said support being provided with spaced openings to receive one end portion of each wire, the other end portions of said wires being in engagement with said pawl, and clips mounted on said support for securing said wires thereto.

1,639,630. POWER-TAKE-OFF DEVICE. JOHN M. CUSTENBORDER, Mackinaw, Ill., assignor to The Revo Manufacturing Co., East Peoria, Ill., a Corporation of Illinois. Filed Aug. 3, 1925. Serial No. 47,724. 5 Claims. (Cl. 180—14.)



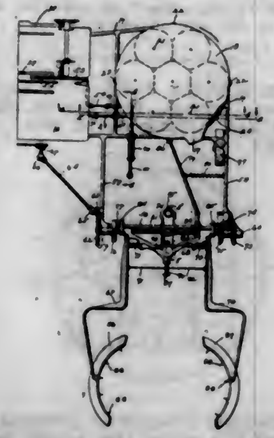
1. In a power take-off the combination of a housing arranged to be mounted on a tractor, a drive shaft in the housing and provided with a gear for engagement with a part of the tractor gearing behind the main clutch of the tractor, power take-off gearing driven by the shaft, a power take-off shaft driven by the latter gearing, an overload clutch between the latter gearing and the power take-off shaft and means controlled by the over-load clutch for disengaging the tractor clutch when the power take-off shaft is over-loaded.

1,639,631. SHOCK ABSORBER AND REBOUND CHECK. EMERSON DAVIS, Indianapolis, Ind., assignor of one-half to George P. Ruth, Indianapolis, Ind. Filed Sept. 10, 1925. Serial No. 55,547. 15 Claims. (Cl. 267—26.)



1. A shock absorber including an adapter having a base jaw to be secured to and have gravity support upon a spring perch and having also a stem directly above the jaw provided with a pivot head, a controllable lever pivoted to the pivot head and provided with a pivot directly to support a main spring, and a controlled spring to yieldingly support and control the lever.

1,639,632. GRAIN SHOCKER. CHARLEY WESLEY LIVINGSTON, Coon Rapids, Iowa, assignor of one-half to Lyle L. Etner, Glidden, Iowa. Filed Jan. 21, 1925. Serial No. 3,752. 5 Claims. (Cl. 56—413.)



1. In combination with a binder, a grain shocker comprising a frame, a platform mounted on said frame, an arm capable of engaging the new made bundle near one end, so that when said arm carries said bundle to said platform the force of gravity will turn the bundle from a horizontal to a vertical position, a means for actuating said arm, and a means for holding said bundle on said platform while said arm is being withdrawn from said bundle, for the purposes stated.

1,639,633. BALL-BEARING HINGE. HORACE H. RAYMOND, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 14, 1923. Serial No. 680,600. 10 Claims. (Cl. 16—136.)

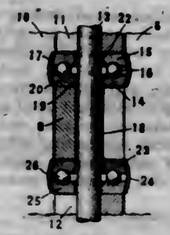
1. A ball bearing hinge comprising a pair of leaves with coacting knuckles, an anti-friction device between

adjacent knuckles comprising two hardened washers with a series of anti-friction members adapted to roll between



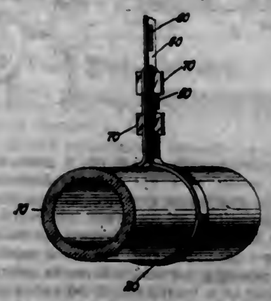
them and a surrounding casing, one of said knuckles having an integral collar spun over the inner edge of one of the washers to hold the anti-friction device in place.

1,639,634. BALL-BEARING HINGE. HORACE HOVEY RAYMOND, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Original application filed Dec. 14, 1923, Serial No. 680,600. Divided and this application filed Aug. 26, 1926. Serial No. 131,662. 8 Claims. (Cl. 16—136.)



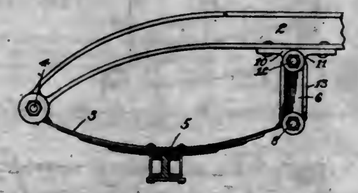
7. A hinge comprising leaf members having overlapping knuckles with aligned passages therein, an anti-friction bearing unit between adjacent overlapping knuckles and having a passage in alignment with the aligned passages in said adjacent knuckles and comprising two bearing members, devices adapted to roll between said bearing members and a housing enclosing the outer edges of and holding said bearing members together, means for securing said bearing unit to one of said adjacent knuckles including means separate from and within the passage walls in such knuckle and extending therefrom into the passage in the bearing unit and interlocking with an inner portion of said bearing unit while leaving the outer bearing member free to turn with the other of said adjacent knuckles, and a pintle connecting said adjacent knuckles and passing through said bearing unit.

1,639,635. PIPE HANGER. JOHN P. SEIFERT, Milwaukee, Wis., assignor to Atlas Metal Parts Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 31, 1921. Serial No. 473,634. 1 Claim. (Cl. 248—31.)



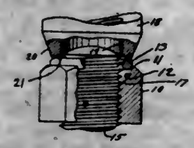
A pipe hanger comprising a band for supporting a pipe, the said band being provided with perforated ends which extend in substantial parallelism from one side thereof, a perforated fixed pendant arranged between the projecting ends of the band, a notched key passed through the aligned perforations to connect the band to the pendant, the side walls of the notch being inclined so as to force the said ends into engagement with the sides of the pendant under the gravitation of the pipe.

1,639,636. ANTIRATTLER SPRING SHACKLE. HENRY E. BLOMGREN, Brooklyn, N. Y., assignor to Rubber Shackle Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 8, 1927. Serial No. 159,786. 8 Claims. (Cl. 267—30.)



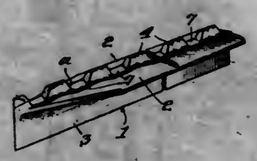
1. In a spring shackle, the combination with the spring sleeve and the bracket sleeve connected by the side links and a bolt passing through each sleeve and the links, of a block of resilient material maintained in a constantly compressed state between the sleeves and the links.

1,639,637. LOCK NUT. BATES E. HAWLEY, Vancouver, Wash., assignor to American Locknut Company, Longview, Wash. Filed Apr. 22, 1926. Serial No. 103,717. 7 Claims. (Cl. 151—1.)



1. A nut having one face recessed to receive a locking ring, said recess consisting of an annular groove having an arcuate radial section, whereby when the nut is placed on a bolt and the locking ring is placed in the annular groove of the nut and is driven in an axial direction, the groove will roll the locking ring into firm locking engagement with the threads of the bolt so that after such locking, the washer will not rotate upon the bolt when the nut is rotated in either direction.

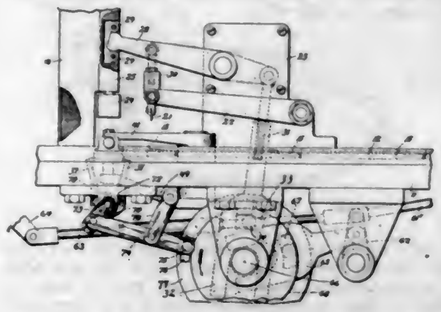
1,639,638. FENCEPOST. ARTHUR S. HOOK, Oak Park, Ill., assignor to Calumet Steel Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 26, 1924, Serial No. 701,939. Divided and this application filed Nov. 6, 1924. Serial No. 748,040. 1 Claim. (Cl. 256—58.)



A rolled metal fence T-bar in form to provide the post with front and rear flanges, a row of studs or lugs rolled on the front flange between its side edges and running the full length of the post, said lugs being closely spaced with the metal between the studs finished by rolling, and ledges between the lugs at the bases thereof and project-

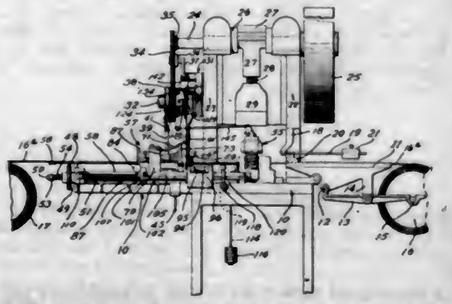
ing slightly above said front flange, said ledges being separated by the lugs and projecting laterally beyond the line of the same.

1,639,639. MATCH-PACKETING MACHINE. ADOLPH W. CHRISTIANSON, Burlington, Vt., and JOHN F. MILLIGAN, Ridgefield Park, N. J., assignors to Globe Match Corporation, Brooklyn, N. Y., a Corporation of Delaware. Filed May 2, 1924. Serial No. 710,575. 8 Claims. (Cl. 93—2.)



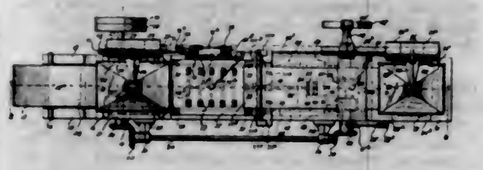
1. In a match packeting machine, a framework provided with a forming recess and a vertically extending receptacle for cover blanks adjacent the recess, horizontally movable means for pushing the lowermost blank in the pile into covering relation to the recess, horizontally movable means for pushing a match strip section into superposed relation to the cover blank, a vertically reciprocating plunger for forcing the match strip section and the cover blank into the recess to initially fold the ends of the cover blank, a pair of jaw members movable into position to center the match strip section on the cover and to hold the parts in position during the ascent of the plunger, a horizontally movable member movable to and fro with relation to the forming recess to fold one end of the cover blank, a yieldable plate underneath which the packet may be forced to fold the other end of the cover, and an ejecting slide member operating beneath the horizontally movable folding member to eject the packet from the recess.

1,639,640. ART OF AND APPARATUS FOR MAKING STORAGE-BATTERY PLATES. THEODORE S. COLE and SETH JOHNSON, New Haven, Conn., assignors to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Aug. 23, 1923. Serial No. 658,868. 60 Claims. (Cl. 29—2.)



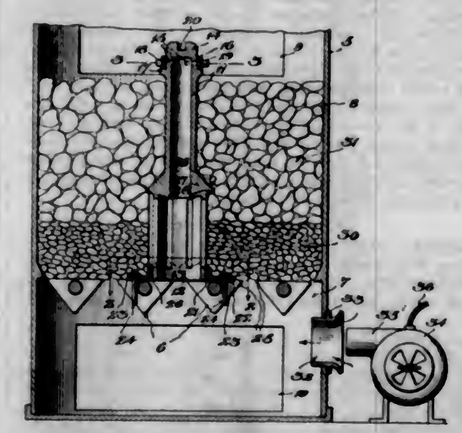
1. In apparatus of the general nature of that herein described, in combination, a reciprocating die member adapted to operate upon sheet metal and having a row of spaced projections adapted to enter said sheet and displace the metal thereof, the surface of said die member between said projections being rounded so as to form rounded ribs in said sheet between the portions thereof which said projections enter, and means for actuating said die.

1,639,641. ART AND APPARATUS FOR MAKING STORAGE-BATTERY GRIDS. THEODORE S. COLE, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Aug. 23, 1923. Serial No. 658,887. 27 Claims. (Cl. 29—2.)



1. The herein described art of making grids for storage battery plates which consists in rotating at cutting speed a rotary cutting tool having a plurality of spaced cutters each adapted to mill a slot, feeding a sheet of lead past said rotating cutting tool thereby to form a plurality of bars integral with said sheet and spaced from each other by the slots cut by said cutters and in intermittently interrupting the cutting action of said tool during the feeding of said sheet to form therein a plurality of supporting ribs extending transversely to said bars.

1,639,642. APPARATUS FOR DISTRIBUTING GAS AND AIR IN FIRE BOXES. JAMES C. LAW, Scranton, Pa. Filed Feb. 6, 1926. Serial No. 86,551. 9 Claims. (Cl. 110—75.)



1. The combination with an ash-pit, a grate and a fire-box above the grate, of a gas and air distributor supported upon the grate and provided with a longitudinal passage communicating at its lower end with the ash-pit and having damper-controlled lateral discharge jets below and adjacent its upper end, the lower portion of the device having straight vertical side walls provided with longitudinal slots of a length to extend above the normal ash bed as and for the purpose described.

THE
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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

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Issue of August 23, 1927.

Trade-Marks	327—No.	231,468 to No.	231,804, inclusive.
T. M. Renewals	73		
Labels	42—No.	32,606 to No.	32,653, inclusive.
Prints	15—No.	16,118 to No.	16,132, inclusive.
Reissues	13—No.	16,709 to No.	16,720, inclusive.
Designs	32—No.	72,275 to No.	72,306, inclusive.
Patents	607—No.	1,639,643 to No.	1,640,339, inclusive.
Total	1,370		

Disclaimer.

1,166,758.—*George H. Gibson*, Montclair, N. J. FLOW-CONTROLLING APPARATUS. Patent dated January 4, 1916. Disclaimer filed August 5, 1927, by the patentee.

Hereby enters this disclaimer to the flow controlling means specified in claim 2 of said Letters Patent except in steam generating apparatus to adjust the rate of flow of a fluid supplied thereto in such manner as to maintain a desired ratio between the rate of flow of such fluid and the rate of flow of steam being withdrawn from said apparatus.

Trade-Marks Canceled.

107,818. Mixed paint. Engineering Products Corporation, Newport News, Va. Registered December 28, 1915. Canceled August 2, 1927.

149,615. Canned grapefruit. Spanish American Fruit Co., Inc., Plainfield, N. J. Registered December 13, 1921. Canceled August 2, 1927.

189,682. Candy. Floyd B. Perkins, doing business as The Spot Candy Company, Chicago, Ill. Registered September 23, 1924. Canceled August 2, 1927.

210,784. Woolen goods in the piece. Kemp-Booth Company Limited, Seattle, Wash. Registered March 23, 1926. Canceled August 2, 1927.

224,566. Canned fish—namely, sardines. Feu Hermanos, Ayamonte, Spain, and New York, N. Y. Registered March 1, 1927. Canceled August 2, 1927.

Adverse Decisions in Interference.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,560,724, L. M. Potts, Regulating system, decided July 14, 1927, claims 1, 2, 3, 4, and 7.

Pat. 1,563,895, W. C. Coleman, Oven, decided August 5, 1927, claims 1 to 4, inclusive.

Pat. 1,607,993, R. G. F. Loewy, Container tube, decided July 16, 1927, claims 6, 7, and 8.

A final decision in interference has been rendered against the following trade-mark:

T. M. 188,278, Coffee, G. G. Buse, Buffalo, N. Y. Registered July 8, 1924. Decided August 2, 1927.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 10, 1927.*

Srinivas Ram Wagel, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Lester Kirschbraun, 160 North Wells Street, Chicago, Ill., and a patent granted August 17, 1926, No. 1,596,218, to Srinivas Ram Wagel, Vanderbilt Hotel, New York, N. Y., and a notice of such declaration sent by registered mail to said Wagel at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Wagel, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Aug. 12, 1927.*

Original Sample Cloak & Suit Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Lord & Taylor, 424 Fifth Avenue, New York, N. Y., for registration of a trade-mark, and trade-mark registered August 10, 1915, No. 105,697, to Original Sample Cloak & Suit Company, of Lyric Theatre Building, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to said Original Sample Cloak & Suit Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Original Sample Cloak & Suit Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business August 12, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 68,102; Trade-Mark Division, 1,763. Oldest new case, Dec. 1, 1926; oldest amended, Dec. 1, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 23	Apr. 27	687
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Apr. 4	Apr. 8	937
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 1	Mar. 31	1,663
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 21	Feb. 9	1,704
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording; Knotters	Mar. 7	Mar. 10	995
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Jan. 11	Jan. 19	1,610
106	7. JARBOE, C. O., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 21	Feb. 23	1,400
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 8	Mar. 30	1,843
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	May 6	May 9	803
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 18	Feb. 17	1,312
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars	Apr. 6	Apr. 12	935
380	12. PIERCE, P. P., Machine Elements	Feb. 11	Feb. 21	1,279
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 26	Feb. 25	1,531
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 16	Feb. 25	1,326
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 25	Feb. 28	1,624
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Apr. 6	Apr. 19	801
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 5	Mar. 18	706
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 10	Feb. 10	1,016
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 2	May 4	993
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Apr. 21	Apr. 26	997
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 25	Mar. 22	1,024
244*	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 8	Feb. 12	1,086
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 27	Feb. 12	890
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 3	Feb. 5	1,041
314	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butebering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 9	Mar. 5	1,305
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Feb. 7	Feb. 8	997
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 1	Apr. 9	895
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 15	Mar. 26	1,208
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 3	Feb. 7	1,229
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 9	Mar. 29	1,155
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Gums.	Feb. 15	Feb. 15	1,809
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 14	Mar. 12	1,249
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 28	Apr. 29	1,498
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Feb. 7	Feb. 7	1,005
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 19	Apr. 18	1,131
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	May 3	May 5	1,064
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 14	Feb. 10	1,540
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 2	Apr. 5	1,146
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 6	Mar. 10	860
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Feb. 14	Feb. 16	2,256
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 9	Feb. 4	825
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 9	Jan. 27	1,497
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Mar. 21	Mar. 26	1,153
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 5	Feb. 9	1,250
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Apr. 4	Apr. 11	938
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 10	Mar. 8	1,028
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 17	Mar. 21	1,562
213*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 10	Feb. 25	1,116
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 21	Feb. 24	1,133
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 24	Mar. 24	1,672
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 18	Jan. 20	1,531
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 6	Apr. 7	1,194
309	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 2	Apr. 6	1,304
241*	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 1	†Dec. 1	1,951
102	55. RICHARD, V. I. (Acting)..{Bread, Pastry, and Confection Making; Cutlery	Feb. 1	Feb. 21	701
	{Designs	July 1	July 2	617
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	July 13	July 20	1,640
	{Labels and Prints	July 23	Aug. 1	132

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

Ex parte Appleby.

Decided August 4, 1927.

Application—Divisional—Under Section 4886, Revised Statutes, Not Division of Reissue Application.

An application filed in accordance with the provisions of section 4886, Revised Statutes, with the oath required by section 4892, Revised Statutes, claiming matter shown in applicant's prior patent can not be regarded as a division of an application for the reissue of that patent.

On petition.

Application for patent.

Steam hot plate.

Mr. R. S. A. Dougherty and *Messrs. Watson, Coit, Morse & Grindle* for the applicant.

Kinnan, *First Assistant Commissioner:*

The Board of Appeals having determined that the applicant had mistaken his remedy by appeal to this Board from the requirement of the Examiner and having held the matter was one for petition to the Commissioner, the appeal will be construed as a petition and, since the points of the appeal were argued before me as a member of the Board of Appeals, it seems proper to decide the matters argued without further hearing. The case will be decided, therefore, without the filing of a formal petition.

The record shows that on April 15, 1924, petitioner was granted Patent No. 1,490,721, on an application filed June 25, 1921. Certain of the claims of this patent were so limited as to exclude the modified forms of the construction shown in Figures 5 and 6. On March 25, 1926, the applicant filed a reissue application for his patent and sought to obtain claims to cover these modifications or different species of these Figures 5 and 6. The Examiner denied these claims in the reissue application and his decision is not before me for review.

The Examiner does not appear to have denied patentability to applicant of the claims copied in his statement in answer to the appeal but has merely held this application here on review is not a division of the applicant's reissue application, and that the statement to this effect in the instant case should be canceled. The Examiner is clearly correct in such holding. The instant case does not contain a petition for reissue of the original patent, the necessary oath which must accompany an application for a reissue, nor has there been presented the reissue fee. Furthermore, there is no law or procedure with which I am familiar that would warrant considering the instant application a division of the reissue application. These two applications are filed under different sections of the statute and seek protection for different periods. The only decided case touching upon such a condition as here presented and of which I am aware is the unpublished decision in *Ex Parte Holt*, 119 MS. Dec. 448. That decision refers to the holdings in the cases of *Hayes-Young Tie Plate Co. v. St. Louis Transit Co.*, 137 Fed. Rep. 80, and *International Tooth Crown Co. v. Richmond et al.*, 30 Fed. Rep. 775.

The holding of the Examiner that the instant case is not a divisional application of the reissue application is sustained.

The petition is denied.

Court of Appeals of the District of Columbia.

The Fries & Fries Company v. The Excel Company, Inc.

No. 1,372. Decided December 6, 1926.

Trade-Marks—Assignment of Mark Without Transfer of Business and Goodwill.

Where a trade-mark is assigned, but the business of the assignor is not transferred, and the goodwill of the assignor does not accompany the assignment, all that the assignee acquires is the right to use that mark as against its prior owner. It acquires no such right from the prior owner as would enable it to attach its use to the use made by its assignor.

Appeal from Patent Office. Affirmed.

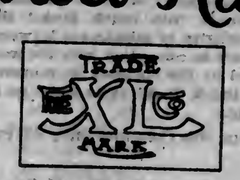
Mr. J. H. Milans and *Mr. C. T. Milans* for The Fries & Fries Co.

Mr. James N. Ramsey for The Excel Co., Inc.

Before Martin, Chief Justice, Van Orsdel, Justice, and Hatfield, Judge U. S. Court of Customs Appeals.

Van Orsdel, *J.:*

This is a trade-mark interference between two applications for trade-marks to be used on denatured alcohol for massage purposes. The mark of the appellant company is "X L-Rub" and the mark of the appellee company is—



In its application The Fries & Fries Company, the senior party, alleges its earliest date of use February 1, 1922. The junior party, The Excel Company, established use of its mark at a date prior to the date claimed by the appellant company. The tribunals below held that the marks were confusingly similar and consequently were not both entitled to registration, and accorded registration to "Excel-Rub" the mark of appellee company.

It is now urged on behalf of appellant company that the mark "X L-Rub" was used by The X. L.

Pharmacal Company prior to 1913, and that under an assignment of said mark dated March 14, 1924, they are entitled to date their title back to 1913, a date prior to the earliest date claimed by appellee company.

It will be observed that this assignment was acquired almost two years after the application of appellant company was filed, but in any event it could not be made to relate back to the use of the mark by The X. L. Pharmacal Company, since the business of that company was not transferred and the goodwill of the business did not accompany the assignment of the mark. All that the appellee company acquired was the right to use that mark as against its prior owner. It acquired no such right from the prior owner as would enable it to attach its use to the use made by its assignor. The Commissioner was, therefore, right in holding that appellee company was entitled to no earlier date than February, 1922.

It is contended, however, that The Excel Company is not entitled to register the mark "Excel-Rub" for the reason that it is descriptive of the quality of the goods to which the mark is applied. This question can not be raised in this case, since priority of use is the only issue involved in an interference proceeding. The right of appellee company to register its mark "Excel-Rub", may be challenged in the Patent Office by a competent party in a proper action.

The decision of the Commissioner is affirmed.

Court of Appeals of the District of Columbia.

THE HOLLAND RUSK COMPANY, INC., *v.* DIEDERICH.

No. 1961. Decided March 7, 1927.

TRADE-MARKS—OPPOSITION—MARKS DISSIMILAR.

Where the opposer had two registrations, one of the word "Holland" and the other of a picture portraying a windmill scene, and generally used these marks in combination, and the applicant had a registration displaying a picture of a boy and a girl dressed in Dutch costume, standing beside a country road and eating rusk, and was seeking registration of substantially the same country scene in combination with the disclaimed words "Old Dutch Rusk," *Held* there is such a dissimilarity in appearance between the picture used by opposer in connection with the word "Holland" and that used by the applicant in connection with the words "Old Dutch Rusk" as to make confusion in the trade unlikely.

APPEAL from the Commissioner of Patents. Affirmed.

Mr. F. E. Liverance for The Holland Rusk Co., Inc.

Mr. A. F. Nathan for Diederich.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

MARTIN, *C. J.*:

This is an appeal from concurring decisions of the Patent Office overruling appellant's opposition to the registration of a trade-mark applied for by appellee. It is conceded that the goods of the respective parties are identical in character, and the opposition is based upon the claim that appellee's trade-mark is deceptively similar to certain registered trade-marks in prior use by appellant.

Both of the respective parties bake and sell rusk which is a light, soft bread, often crisped in an oven. It is said that the article first became popular in Holland, and that it finds a large sale in this country among people of Dutch descent; and that the appellant has been engaged in this business for about thirty years, and has established a valuable trade and good will for the commodity. The appellee has been engaged in the trade in this country since about 1916 when he immigrated from Holland where he had carried on a similar trade for many years.

In the year 1906 the appellant obtained trade-mark registration of the word "Holland," under the ten year clause of the act of February 20, 1905, and subsequently in the same year obtained an additional registration of a picture portraying a windmill scene, and made use of the marks generally in combination. Appellant also advertised its rusk under such names as "Famous Dutch Food" and "Dainty Dutch Toasted Biscuit," as well as other descriptions containing the name "Dutch." Appellant, however, has not shown any exclusive right to these descriptions.

Afterwards, towit, in the year 1923, the appellee obtained a registration of its trade-mark for rusk displaying a picture of a boy and girl dressed in Dutch costume, standing beside a country road and eating rusk. The appellee also applied for a registration of substantially the same country scene in combination with the words "Old Dutch Rusk." It is this latter application which was opposed by appellant as deceptively similar to its prior trade-marks aforesaid, and that is the issue involved in this appeal.

The Commissioner of Patents, affirming the decision of the Examiner of Interferences, held against appellant's opposition, saying in part:

> So far as the words "Old Dutch" are concerned, they are descriptive and applicant has disclaimed them save in connection with the rural scene. Viewing applicant's combined mark as a whole, it is not believed there would be confusion in trade if it appeared upon packages of rusk in the same market with the opposer's mark "Holland," or the mark consisting of the representation of the windmill.

We agree with this decision. The applicant is entitled under the first registration to use the picture of the Dutch boy and girl at the side of the road as his trade-mark, and that specific mark viewed alone is not involved in this opposition. The sole question raised by the opposition is whether applicant may add the words "Old Dutch Rusk" to this picture. The applicant disclaims the use of these words except in connection with the picture, and we think there is such a dissimilarity in appearance between the picture used by appellant in connection with the word "Holland," and that used by appellee in connection with the words "Old Dutch Rusk," as to make confusion in the trade unlikely.

The decision of the Commissioner of Patents is accordingly affirmed.

Patent Suits.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

764,916, 833,506, 799,829, W. L. Church, Dam; 799,830, same, Waterworks dam; Re. 12,246, N. F. Ambursen, Dam; 807,010, same, Waste gate for dams; 768,717, Ambursen & Church, Shell dam; 1,083,988, H. L. Coburn, Reenforced-concrete dam, filed July 19, 1926, D. C. Nebr. (Lincoln), Doc. E 245, *Ambursen Construction Co., Inc.* v. *Nebraska Corn Mills et al.* Injunction entered against Blue River Power Co. and Nebraska Gas & Electric Co. Jan. 24, 1927.

764,995, M. Ekenberg, Apparatus for evaporating liquids; 1,356,340, N. P. Collis, Method of drying buttermilk, 7th Cir., Doc. 3918, *Collis Products Co.* v. *Dry Milk Engineering Co.* Remanded to district court to entertain motion to dismiss counterclaim June 1, 1927.

768,717. (See 764,916.)

782,496. (See 818,968.)

787,814, J. D. Wolf, Separation of metals from their ores; 835,120, Sulman, Kirkpatrick-Picard & Ballot, 4th Cir., Doc. 2557, *Wolf Mineral Process Corp.* v. *Minerals Separation North American Corp.* Decree affirmed Apr. 18, 1927.

799,829. (See 764,916.)

799,830. (See 764,916.)

807,010. (See 764,916.)

818,968, E. E. Johnson, Railway water column; 782,496, N. P. Fenner, jr., same, appeal filed June 28, 1927, 7th Cir., Doc. 3934, *Fairbanks, Morse & Co.* v. *American Valve & Meter Co. et al.*

833,506. (See 764,916.)

835,120. (See 787,814.)

885,986. (See 921,963.)

892,180, Patten & Barnett, Drill bit; 1,195,209, T. J. Griffin, Rotary drill; 1,374,867, F. L. O. Wadsworth, Rotary boring drill, filed July 9, 1924, D. C., S. D. Calif. (Los Angeles), Doc. E H-108-M, *Hughes Tool Co.* v. *Emsco Steel Products Co.* Dismissed without prejudice Mar. 8, 1927.

921,963, L. H. Dyer, Automobile vehicle; 885,986, same, Transmission gear for motor vehicles, filed June 30, 1927, D. C., N. D. Calif. (San Francisco), Doc. 17753, *L. H. Dyer* v. *Fageol Motors Co.*

942,699, L. H. Baekeland, Resinous body and method of producing; 942,809, same, Condensation product and method of making same, 3d Cir., Doc. 3434, *Bakelite Corp.* v. *The Brunswick Balke Collender Co.* Decree reversed in part (notice dated June 15, 1927). Same, filed Mar. 6, 1924, D .C. Del., Doc. E 537, *Bakelite Corp.* v. *The Brunswick Balke Collender Co.* Patent 942,699 valid and infringed, dismissed as to 942,809, June 24, 1927.

942,809. (See 942,699.)

949,272, P. E. Herrmann, Process of hair-waving; 959,527, 1,168,000, 1,199,550, 1,499,867, 1,001,029, same, Hair-waving apparatus; 1,194,841, same, Hair-steaming apparatus; 1,531,936, same, Electrical attachment plug, filed May 28, 1927, D. C., E. D. N. Y., Doc. 3141, *P. E. Herrmann et al* v. *F. E. Marcel.*

959,527. (See 949,272.)

965,027. (See 985,709.)

977,166, H. D. Colman, Thread-selecting device; 1,115,399, same, Machine for drawing in warp threads; 1,442,776, same, Machine for operating upon warps, 1st Cir., Doc. 2115, *Barber Colman Co.* v. *J. Withnell.* Decree affirmed (notice dated June 21, 1927).

980,481, G. D. Parker, Box-making machine; 1,468,392, same, Table for box-nailing machine, filed May 9, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-113-H, *G. D. Parker* v. *Alamo Packing Co.*

985,709, D. F. Shope, Method of waterproofing cement blocks; 1,270,450, same, Process of waterproofing and ornamenting objects; 965,027, same, Cement-brick machine; 1,306,977, same, Brick-making machine, filed July 2, 1923, D. C., W. D. Wash. (Tacoma), Doc. E 171, *Shope Brick Co.* v. *W. E. Smith et al* (*Smith Bros.*).

991,185, Weeks & Weeks, Resilient lamp socket; 1,547,722, R. B. Benjamin, Socket, filed May 27, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-18-M, *Benjamin Electric Mfg. Co.* v. *A. J. Edycomb* (*The Wireless Shop*).

1,001,029. (See 949,272.)

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, filed June 23, 1927, D. C. R. I., Doc. 273, *General Electric Co.* v. *H. Farkas* (*Liberty Light Co.*) *et al.*

1,083,988. (See 764,916.)

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,118,149, E. H. Armstrong, Wireless receiving system, filed Mar. 12, 1925, D. C., W. D. N. Y., Doc. 809-D, *Westinghouse Electric & Mfg. Co. et al* v. *Precise Mfg. Corp.* Final decree June 21, 1927.

1,050,728 (See 1,050,441.)

1,063,414. (See 1,158,933.)

1,085,636. 1,232,715, F. Sedgwick, Cipher typewriter, filed June 24, 1927, C. of Clms., Doc. H-263, *F. Sedgwick* v. *The United States.*

1,090,881, J. F. Rowley, Ankle joint for artificial limbs; 1,322,059, same, Hinge joint for artificial limbs, filed June 24, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2317, *The J. F. Rowley Co.* v. *A. T. Rowley* (*A. T. Rowley Co.*).

1,095,204. (See 1,168,627.)

1,113,149. (See 1,050,441.)

1,115,399. (See 977,166.)

1,125,476, G. Claude, System of illuminating by luminescent tubes; 1,191,495, same, Method for separating neon from gases, filed May 4, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-107-H, *Electrical Products Corp.* v. *Standard Glass Products, Inc.*

1,137,082. (See 1,172,904.)

1,158,933, Kohman, Hoffman & Blake, Manufacture of bread; 1,158,934; Kohman & Koffman, same; 1,282,867; 1,282,868, same, Bread-making composition; 1,063,414, Chitty & Jago, Manufacture of flour and bread, filed Dec. 1, 1924, D. C., N. D. Ohio (E. Div.), Doc. 1817, *The Fleischman Co.* v. *The Beyer Co. et al.* Patents held valid and infringed, (notice dated June 24, 1927).

1,158,934. (See 1,158,933.)

1,168,000. (See 949,272.)

1,168,627, M. S. Goldsmith, Concrete floor construction; 1,095,204, J. F. Golding, Concrete floor and ceiling, filed Aug. 3, 1926, D. C. S. D. Ohio (W. Div.), Doc. E 425, *The Goldsmith Metal Lath Co. et al.* v. *Truscon Steel Co. et al.* Patent 1,168,627, claim 7, held valid but not infringed; 1,095,204, claim 5, held invalid and not infringed (notice dated June 3, 1927).

1,172,904, 1,137,082, H. Pries, Brake shaft, appeal filed June 18, 1927, 7th Cir., Doc. 3929, *A. Pries* v. *Union Rwy. Equipment Co.*

1,180,159. (See 1,018,502.)

1,191,495. (See 1,125,476.)

1,194,841. (See 949,272.)

1,195,209. (See 892,180.)

1,198,246, G. A. Lyon, Buffer for motor vehicles; 1,266,836, same, Supporting device for automobile buffers; 1,390,633, E. A. Milhaupt, Bumper bracket, filed June 11, 1927, D. C., S. D. N. Y., Doc. E 42/81, *American Chain Co., Inc.*, v. *E. Schwarz et al.* (*Schwarz Auto Parts Co.*). Consent decree, holding Patent 1,198,246, valid and infringed, June 23, 1927.

1,199,550. (See 949,272.)

1,224,632, W. Ghiglieri, Traffic signal; 1,524,247, 1,236,441, F. J. Husbands, Automatic traffic signal, filed Apr. 27, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-105-M, *Acme Traffic Signal Co.* v. *Waterhouse Signal Corp. et al.*

1,227,805, J. E. Landry, Braking mechanism for automobiles; 1,435,313, same, Brake for steering wheels, filed June 30, 1927, D. C. Mass., Doc. E 2828, *Landry Mfg. Co. v. C. P. Rockwell, Inc.*

1,233,715. (See 1,085,636.)

1,236,441. (See 1,224,632.)

1,266,836. (See 1,198,246.)

1,270,450. (See 985,709.)

1,282,867. (See 1,158,933.)

1,282,868. (See 1,158,933.)

1,306,977. (See 985,709.)

1,307,733 (a), A. V. Guilborg, Lubricating apparatus; 1,307,734, same, Lubricating means, filed Aug. 17, 1925, D. C. Nebr. (Lincoln), Doc. E 227, *The Bassick Mfg. Co. v. C. C. Stage et al. (Stage Bros. Mfg. Co.).* Temporary injunction granted Sept. 18, 1925.

1,307,733 (b), A. V. Guilborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, filed Feb. 3, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1370, *The Bassick Mfg. Co. v. Wag's Auto Accessories Co.* Patent 1,307,733 held valid and claims 3, 4, and 5 infringed; 1,307,734 held valid and claims 1, 2, 4, and 8 infringed (notice dated June 18, 1927). Doc. 1372, *The Bassick Mfg. Co. v. Biggs Tire Supply Co.* Decree as above.

1,307,733 (c), A. V. Guilborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, filed June 30, 1927, D. C., S. D. N. Y., Doc. E 42/164, *The Bassick Mfg. Co. v. Adams Grease Gun Corp.*

1,307,734. (See 1,307,733 (a), (b), and (c).)

1,311,693. (See 1,456,201.)

1,320,354, J. H. Adams, Oil-converting apparatus; 1,320,727, same, Apparatus and method for the conversion of liquids, fluids, etc.; 1,327,263, same, Process for the conversion of liquids, oils, etc., filed June 21, 1927, D. C., S. D. Ill. (Springfield), Doc. 790, *The Texas Co. v. Roxanna Petroleum Corp.*

1,320,727. (See 1,320,354.)

1,322,059. (See 1,090,881.)

1,327,263. (See 1,320,354.)

1,356,340. (See 764,995.)

1,360,256, 1,528,178, E. Anderson, Can opener, filed June 30, 1927, D. C., S. D. N. Y., Doc. E 42/166, *Star Can Opener Co. v. Von Thaden & Meyer, Inc.*

1,368,575. (See 1,375,860.)

1,374,867. (See 802,180.)

1,375,860, 1,368,575, J. F. Rowley, Artificial limb, filed June 24, 1927, D. C., N. D. Ohio (E. Div.), Doc. 2318, *The J. F. Rowley Co. v. A. T. Rowley.*

1,388,898, Schmidt & Schmidt, Carcass dehairing and cleaning machine; 1,388,899, O. C. Schmidt, same, filed Oct. 3, 1922, D. C. Ind. (Indianapolis), Doc. 605, *Cincinnati Butchers' Supply Co. v. H. A. Kramer.* Bill dismissed for want of equity Apr. 27, 1927.

1,388,899. (See 1,388,898.)

1,390,633. (See 1,198,246.)

1,396,860. (See Re. 15,220.)

1,405,173, 1,480,482, J. H. Wheeler, Pumping apparatus; 1,554,076, G. C. Engstrand, same, filed May 2, 1927, D. C., E. D. N. Y., Doc. 3103, *Salvage Process Corp. v. J. Sherman & Sons, Inc., et al.*

1,411,391, J. D. Tucker, Spoke tightener; 1,424,530; Tucker & Tucker, same, filed June 20, 1927, D. C., W. D. Mo. (W. Div.), Doc. 862, *Tucker Bros. Mfg. Co. v. A. C. Honeycutt (Honeycutt Mfg. Co.).*

1,424,530. (See 1,411,391.)

1,435,313. (See 1,227,805.)

1,442,776. (See 977,166.)

1,456,201, J. G. Vincent, Motor vehicle; 1,311,693, G. E. Hazard, Auto tire pump; Des. 54,619, same, Air-pump crank shaft and gear housing, filed June 30, 1927, D. C., E. D. Mich. (Detroit), Doc. 2112, *Kellogg Mfg. Co. v. Detroit Accessories Corp.*

1,468,892. (See 980,431.)

1,472,014, S. J. Clulee, Temple-bar construction; 1,527,118, same, Eyeglass construction, appeal filed June 28, 1927, 2d Cir., Doc. 9689, *Bay State Optical Co. v. M. Klein et al.*

1,475,980. (See 1,307,733 (c).)

1,480,482. (See 1,405,173.)

1,499,367. (See 949,272.)

1,511,306, T. B. Slate, Method of and apparatus for refrigeration and preserving perishable products; 1,595,426, same, Refrigerating apparatus, filed May 10, 1927, D. C., E. D. N. Y., Doc. 3119, *International Patents Holding Corp. et al v. Carbice Corp. of America.*

1,524,247. (See 1,224,632.)

1,527,118. (See 1,472,014.)

1,528,178. (See 1,360,256.)

1,531,936. (See 949,272.)

1,545,474, E. T. Adams, Sand-ejecting means for deep-well pumps; 1,621,046, I. B. Windsor, Deep-well pump; 1,603,675, Folsom & Sheeley, Oil-well pump, filed May 19, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-11-M, *J. G. Richardson et al v. E. S. Ford (Ford Specialty Co.) et al.*

1,547,722. (See 991,185.)

1,554,076. (See 1,405,173.)

1,559,234, Des. 68,903, R. G. Fleming, Smoker's stand, filed June 24, 1927, D. C., S. D. N. Y., Doc. E 42/122, *Smokador Mfg. Co. v. Pullman Metal Specialty Co., Inc.*

1,577,917. (See Re. 15,220.)

1,595,426. (See 1,511,306.)

1,603,675. (See 1,545,474.)

1,620,771. (See Re. 15,220.)

1,621,046. (See 1,545,474.)

1,627,355, H. F. Towner, Disc harrow; 1,627,356, same, Disc cultivator, filed May 31, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-20-H, *H. F. Towner (Towner Mfg. Co.) v. Brennels Mfg. Co. et al.*

1,627,356. (See 1,627,355.)

Re. 12,246. (See 764,916.)

Re. 14,667. (See 1,307,733 (b).)

Re. 15,220, 1,620,771, D. G. Lorraine, Oil, gas, and sand separator; 1,396,860, 1,577,517, same, Method of and apparatus for separating oil and gas, filed May 26, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-16-J, *Lorraine Corp. v. Union Tank & Pipe Co.*

Re. 15,278, I. Langmuir, Electron-discharge apparatus, filed Apr. 15, 1926, D. C., N. D. Ohio (E. Div.), Doc. 1821, *General Electric Co. v. Myers Radio Tube Corp. et al.* Held valid and infringed (notice dated June 20, 1927).

Re. 15,783, Kesten & Osborne, Automatic brake for elevators, filed June 3, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-21-M, *Otis Elevator Co. v. Baker Iron Works et al.*

Re. 15,873, J. A. Heidbrink, Anesthetic apparatus; Re. 15,874, same, Apparatus for delivering a mixture of gases, appeal filed June 1, 1927, 7th Cir., Doc. 3919, *J. A. Heidbrink et al. v. O. A. Herdessen Co.*

Re. 15,874. (See Re. 15,873.)

Re. 16,297, H. F. Parker, Control for electric elevator, filed June 6, 1927, D. C., S. D. Calif. (Los Angeles), Doc. M-23-J, *Otis Elevator Co. v. Pacific Finance Corp. et al.*

Re. 16,516, E. V. Crowell, Apparatus and method of cementing oil-well casings, filed Apr. 4, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L-90-M, *E. V. Crowell v. Baker Casing Shoe Co.*

Des. 54,619. (See 1,456,201.)

Des. 68,903. (See 1,559,234.)

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 23, 1927.

[VOL. 361. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1.

RAW OR PARTLY-PREPARED MATERIALS.

Ser. No. 247,591. BERTON G. BAIRD, Newark, N. J. Filed Apr. 18, 1927.

DURALITE

Particular description of goods.—Indurated Fiber Made of Combined Compressed and Hardened Vegetable Fiber and is Used for Arch Supports, Innersoles, Shoehorns, Etc.

Claims use since March, 1926.

Ser. No. 250,794. GENERAL CLAY COMPANY, Los Angeles, Calif. Filed June 20, 1927.

PALEX

Particular description of goods.—Filtering and Bleaching Clay.

Claims use since Jan. 21, 1927.

Ser. No. 250,865. SPELTZ GRAIN & COAL CO., Albert Lea, Minn. Filed June 21, 1927.



Particular description of goods.—Coal.

Claims use since May, 1926.

CLASS 4.

ABRASIVE, DETERGENT, AND POLISHING MATERIALS.

Ser. No. 247,632. THE PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed Apr. 18, 1927. Under 10-year proviso.

CRYSTAL WHITE

Particular description of goods.—Soap.

Claims use since 1894.

Ser. No. 247,713. JOHN R. STARCK, doing business as National Jewelers Supplies, New York, N. Y. Filed Apr. 19, 1927.



No claim is made to the words apart from the mark shown in the drawing.

Particular description of goods.—Liquid Diamond Cleaner.

Claims use since August, 1926.

Ser. No. 248,546. HERMAN LEROY BEAVER, Philadelphia, Pa. Filed May 6, 1927.

FINBALS

Particular description of goods.—Metal Polishing and Burnishing Material Consisting of Small Polished Steel Elements.

Claims use since Mar. 3, 1927.

Ser. No. 249,474. GEIGY COMPANY, INC., New York, N. Y. Filed May 24, 1927.

ERIOPLYNON

Particular description of goods.—Chemical Preparations Suitable for the Washing of Wool.
Claims use since May 20, 1927.

Ser. No. 249,741. THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed May 28, 1927.

MIDALCO

Particular description of goods.—Preparation of Soap and Other Ingredients for Use Especially in Dry Cleaning.
Claims use since about Dec. 1, 1925.

Ser. No. 249,742. THE MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed May 28, 1927.

TILEOLEUM

Particular description of goods.—Cleaning Preparation of Pine Oil, Potash, and Other Ingredients in Any Convenient Form for Use in Cleaning Terrazzo or Marble Floors or Walls and Other Hard Surfaces.
Claims use since about Dec. 1, 1926.

Ser. No. 249,922. J. L. PRESCOTT COMPANY, New York, N. Y. Filed June 2, 1927.

CLIMAX

Particular description of goods.—Stove Enamel Polish.
Claims use since about 1885.

Ser. No. 249,923. J. L. PRESCOTT COMPANY, New York, N. Y. Filed June 2, 1927.

EASYBRIGHT

Particular description of goods.—Stove Enamel Polish.
Claims use since about 1889.

Ser. No. 250,116. MORRIS COHN, doing business as Crystal Chemical Company, Newark, N. J. Filed June 7, 1927.

JOCKEE

Particular description of goods.—Soap.
Claims use since about May 28, 1927.

Ser. No. 250,240. D. M. HOFFECKER, Boston, Mass. Filed June 9, 1927.



Particular description of goods.—Cleansing Soap.
Claims use since Jan. 2, 1920.

Ser. No. 250,594. BRIGHT METALS CORPORATION, New York, N. Y. Filed June 16, 1927.

TARNEX

Particular description of goods.—Polishing and Tarnish-Preventing Compounds for Metal Surfaces.
Claims use since June 8, 1927.

Ser. No. 250,934. THE PALMOLIVE-PEET COMPANY, Chicago, Ill. Filed June 22, 1927.

CALUMET

Particular description of goods.—Soap.
Claims use since January, 1896.

Ser. No. 250,994. HOUBIGANT, INC., New York, N. Y. Filed June 23, 1927.

ROYAL FERN

Particular description of goods.—Toilet Soap and Soap Cream Used Before Shaving.
Claims use since June 17, 1927.

Ser. No. 251,006. MYRURGIA, S. A., Barcelona, Spain. Filed June 23, 1927.

Perfume Alado

No claim is made to the word "Perfume" apart from the mark as illustrated.
Particular description of goods.—Soap.
Claims use since October, 1922.

Ser. No. 251,468. THE SUCCESS BARBER SUPPLY, Moravia, Iowa. Filed July 2, 1927.

Smooth-O

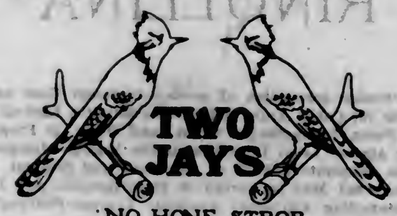
Particular description of goods.—Strop Filler.
Claims use since October, 1926.

Ser. No. 251,525. J. A. WEBB BELTING COMPANY, INC., Buffalo, N. Y. Filed July 5, 1927.

Spider Webb

Particular description of goods.—Leather-Belt Filler.
Claims use since June 7, 1926.

Ser. No. 251,845. JOE JANECKA, Dallas, Tex. Filed July 11, 1927.



NO HONE STROP

No claim is made to the words "No Hone Strop" aside from the mark shown in the drawing.
Particular description of goods.—Barbers' Supplies—Namely, Razor Strops.
Claims use since Apr. 25, 1927.

Ser. No. 252,032. LEON COHN, doing business as Parfumerie Forest, Paris, France. Filed July 14, 1927.

Trousseau

Particular description of goods.—Toilet Soaps.
Claims use since Dec. 1, 1926.

CLASS 5.

ADHESIVES.

Ser. No. 247,239. RUBBER-WELD SALES COMPANY, Cambridge, Mass. Filed Apr. 9, 1927.

Rubber-Weld

Particular description of goods.—Rubber Cement.
Claims use since Dec. 27, 1922.

Ser. No. 248,730. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed May 9, 1927.

ADHESITE

Particular description of goods.—Glues, Cement, and Glue Cement.
Claims use since Mar. 5, 1927.

CLASS 6.

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.

Ser. No. 235,720. RALPH B. ADAMS, Monticello, Me. Filed Aug. 9, 1926.

H-K

Particular description of goods.—Insecticides.
Claims use since June, 1925.

Ser. No. 237,671. LAUNDRY SERVICE CORPORATION, Dallas, Tex. Filed Sept. 24, 1926.

LASCO

Particular description of goods.—Laundry Blue, Laundry Soda, Laundry Sour, Laundry Starch, and Laundry Bleach.
Claims use since Aug. 20, 1924.

Ser. No. 239,871. JOHN WIETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Nov. 9, 1926.

EPOCALE

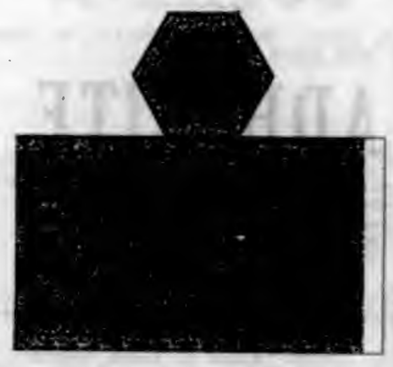
Particular description of goods.—Medicinal Preparation—Namely, Anodyne, Antispasmodic, Uterine Tonic Indicated in the Treatment of Discomforts and Pains Incident to Inflamed or Congested Conditions of the Sexual Organs, Especially in the Treatment of Uterine Disorders, and the Relief of Menstrual Irregularities.
Claims use since Oct. 28, 1926.

Ser. No. 243,089. GRAVES & MEADE & BAKER COMPANY, New York, N. Y. Filed Jan. 20, 1927. Under 10-year proviso.

Dr. E. L. Graves
Unequaled
Tooth Powder

Particular description of goods.—Tooth Powder.
Claims use since Jan. 1, 1867.

Ser. No. 244,799. STOYANOFF, GERLI AND CO., New York, N. Y. Filed Feb. 23, 1927.



The words "Sofia, Bulgaria" appearing on the drawing are disclaimed apart from the mark as shown. The drawing is lined to indicate the colors yellow, blue, red, and green.

Particular description of goods.—Cosmetics and Toilet Preparations—Namely, Perfumes, Face Talcum, Sachet Powders, Toilet and Astringent Waters, Face Rouge and Lip Rouge, Cold Cream, Face, Hand, and Other Creams for the Toilet, Toilet Lotions, Pomades, Dentifrices, Depilatories, Nail Preparations, Shampoo, Eyebrow Pencils, Hair Tonics, Bath Salts, Smelling Salts, and Brilliantine.

Claims use since September, 1924.

Ser. No. 247,454. VEREINIGTE CHEMISCHE WERKE AKTIENGESELLSCHAFT, Charlottenburg, near Berlin, Germany. Filed Apr. 14, 1927.

Blepharin

Particular description of goods.—Eyewater for Treating, Beautifying, and Disinfecting the Eyes, Eyelids, and Eyelashes.

Claims use since about July 14, 1926.

Ser. No. 248,247. PAX MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 30, 1927.

AGRIPAX

Particular description of goods.—Insecticide.
Claims use since Jan. 1, 1927.

Ser. No. 248,286. CARLETON DREDERA, Winter Haven, Fla. Filed May 2, 1927.

KILRUST
TRADE MARK



The representation of the bottle and the words "Trade-Mark" and "Removes and Resists Iron Rust" are disclaimed apart from the mark as shown.

Particular description of goods.—Picking Solution, Oxide Removing Resisting Plating Compound.
Claims use since Apr. 30, 1927.

Ser. No. 248,733. SOCIETÀ ESERCIZIO FARMACIE E SPECIALITÀ MEDICINALI DI E. GRANELLI & C., Turin, Italy. Filed May 9, 1927.

RINOLEINA

Particular description of goods.—Ointment Used as a Specific for Colds, Acute and Chronic Rhinitis, Laryngitis, Hay Fever, Rhinarrhagia, Ozena, and Otitis, is Prophylactic Against Local Infections of the Mucous Membrane of the Respiratory Part of the Nose and General Infection That May be Spread in the Organism, and Has a Disinfecting Astringent Analgesic Laryngo-Pharyngitic Action.

Claims use since Jan. 1, 1912.

Ser. No. 248,783. MO-GROW CHEMICAL CO., Flora, Miss. Filed May 10, 1927.

MO-GROW

Particular description of goods.—A Fair-Skin Ointment, Skin Balm, Hair Dressing and Grower, and Pressing Compound for the Hair.

Claims use since Apr. 1, 1926.

Ser. No. 248,876. CAMPANA CORPORATION, Batavia, Ill. Filed May 12, 1927. Under 10-year proviso.

Italían
Balm

Particular description of goods.—Skin-Softening Preparation.
Claims use since on or about Jan. 1, 1895.

Ser. No. 248,877. CAMPANA CORPORATION, Batavia, Ill. Filed May 12, 1927. Under 10-year proviso.

Campana's

Particular description of goods.—Skin-Softening Preparation.
Claims use since on or about Jan. 1, 1895.

Ser. No. 249,587. PITTS MANUFACTURING CO., Wilmington, Calif. Filed May 25, 1927.

Homer R. Pitts.

The mark is a facsimile of the signature of one of the members of the copartnership.

Particular description of goods.—Medicine for Nausea, Indigestion, and Vomiting in Pregnancy.
Claims use since May 4, 1927.

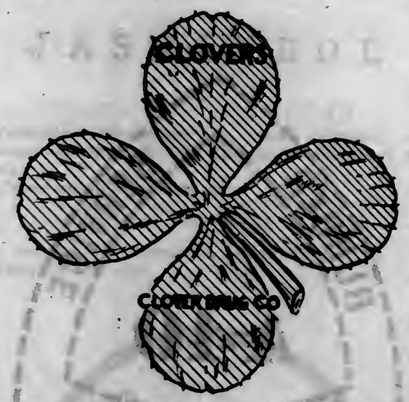
Ser. No. 249,854. GEO. H. LEE CO., Omaha, Nebr. Filed June 1, 1927.

Flu-Koff

Particular description of goods.—Medicinal Preparation for the Treatment of Influenza, Coughs, and Colds in Livestock, and Roup, Colds, Bronchitis, and Pneumonia in Poultry.

Claims use since 1925.

Ser. No. 250,034. HARRY NOONAN, doing business as Clover Drug Co., Long Island City, N. Y. Filed June 4, 1927.



The mark consists of a four-leaved-clover-shaped device in green and containing the words "Clovers, Clover Drug Co.," as indicated on the drawing upon which the trademark is shown. The drawing is lined to indicate green.

Particular description of goods.—Medicated Confections—Namely, Headache Confection, Indigestion Confection, Cough and Halitosis Confection, and Constipation Confection.

Claims use since May 25, 1927.

Ser. No. 250,111. RICHARD E. BANKS, doing business as Naturlyte Co., Jefferson Valley, N. Y. Filed June 7, 1927.

Naturlyte

Particular description of goods.—Chemical Compound for Use in Recharging and Rejuvenating Storage Batteries.

Claims use since June 7, 1927.

Ser. No. 250,141. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed June 7, 1927.



Particular description of goods.—Compound Used as a Vulcanization Accelerator in the Curing of Rubber Articles.

Claims use since Sept. 19, 1925.

Ser. No. 250,142. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed June 7, 1927.

RUBBER SERVICE A-40 LABORATORIES

Particular description of goods.—Compound Used as a Vulcanization Accelerator in the Curing of Rubber Articles.

Claims use since Dec. 11, 1924.

Ser. No. 250,144. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed June 7, 1927.

RUBBER SERVICE R.S.L. MOLD SOLUTION LABORATORIES

The words "Mold Solution" are hereby disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Solution of Chemical Nature Applied to Molds to Prevent Sticking of Molded Articles to the Mold.

Claims use since Jan. 13, 1927.

Ser. No. 250,145. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed June 7, 1927.

RUBBER "RUSCO" SERVICE SODIUM XANTHATE LABORATORIES

The words "Sodium Xanthate" are disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Ore Concentration and Flotation Agent in the Nature of a Chemical Compound.

Claims use since Apr. 6, 1926.

Ser. No. 250,164. THE CHICAGO PHARMACAL COMPANY, Chicago, Ill. Filed June 8, 1927.

DERMATONE

Particular description of goods.—Remedies for Diseases of the Skin.

Claims use since May 20, 1908.

Ser. No. 250,325. HENRY E. SCHEITER, doing business as Phoenix Remedy Co., Mount Olive, Ill. Filed June 10, 1927.

Mother Scheiter's



The picture is a portrait of my mother, Johanna Scheiter.

Particular description of goods.—Compound for Treating Affections of the Teeth and Throat.

Claims use since Apr. 15, 1927.

Ser. No. 250,428. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed June 13, 1927.

JUVENATOR

Particular description of goods.—Liquid Chemical for Improving the Operation of Internal-Combustion Engines by Opposing the Deposition and Accumulation of Hard Carbon Deposits.

Claims use since Oct. 8, 1926.

Ser. No. 250,626. EDWARD LASSERE, INC., New York, N. Y. Filed June 16, 1927.

PYNORA

Particular description of goods.—Preparation for the Treatment of Articular Rheumatism, Muscular Rheumatism, Muscular Soreness, Facial Neuralgia, Swollen and Stiff Joints, Lumbago, Sprains or Strains, Chest Colds, and Chilblains.

Claims use since Feb. 1, 1924.

Ser. No. 250,718. LUDWIG SCHERK, doing business as Parfümerie Scherk, Berlin, Germany. Filed June 17, 1927.

Mimikri

Particular description of goods.—Perfumery; Cosmetics—Namely, Face Powder, Talcum Powder, Face Cream, Rouge; Ethereal Oils, Bath Salts, Disinfectants, Face Lotion, Preparations for Bleaching, Starches, and Starch Preparations for Use in Washing.

Claims use since October, 1926.

Ser. No. 250,854. GRACE MORGAN, Atlantic City, N. J. Filed June 21, 1927.

NINGUNO MEJOR · ORGANIC · MUNDO ENTERO · HAIR GROWER



No claim is made to the exclusive use of any of the words appearing on the drawing aside from the mark shown. The picture shown is a portrait of myself.

Particular description of goods.—Preparation for Promoting the Growth of the Hair.

Claims use since June 1, 1927.

Ser. No. 251,036. HEINE & CO., New York, N. Y. Filed June 24, 1927.

JASMINDOL

Particular description of goods.—Perfumes and Natural and Synthetic Oils Suitable for Perfumery Purposes.

Claims use since Sept. 1, 1902.

Ser. No. 251,058. JOSEPHINE JAQUET, Jersey City, N. J. Filed June 24, 1927.

Jaquet

The trade-mark is the autographic signature of applicant.

Particular description of goods.—Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Eyebrow and Eyelash Grower, Eyedrops, Hand Lotions, Skin Lotions, Face Powders, Talcum Powders, Sachets, Hair Salves, Hair Elixirs, Hair Tonics, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Nail Powders, Nail Creams, Nail Bleaches, Witch-Hazel, Peroxide, Petroleum Jellies, Witch-Hazel Salves, Camphor Creams, Foot Powders, Deodorants, Disinfectants, Aspirin, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Apr. 10, 1922.

Ser. No. 251,174. CORN FIX CO., INC., Newark, N. J. Filed June 27, 1927.

COLD "FIX" TABLETS

Applicant disclaims the use of the word "Tablets" apart from the mark shown on the drawing.

Particular description of goods.—Remedy for Colds, La Grippe, Constipation, and Headache.

Claims use since May, 1920.

Ser. No. 251,249. SMITH BROTHERS, INC., Poughkeepsie, N. Y. Filed June 28, 1927.

SMITH BROTHERS



The two bust portraits of male figures forming part of trade-mark represent the Smith brothers, the portrait on the left representing William Douglas Smith, deceased, and the portrait on the right representing Andrew Smith, deceased.

Particular description of goods.—Cough Sirup.
Claims use since Apr. 20, 1927.

Ser. No. 251,563. HERMAN H. KRONBERG, doing business as Standard Drug and Sales Company, Philadelphia, Pa. Filed July 6, 1927.

JENTELS

Particular description of goods.—Vegetable Laxative Tablets.
Claims use since Mar. 1, 1924.

Ser. No. 251,608. CITRUS CHEMICAL CORPORATION, Elkton, Md. Filed July 7, 1927.

ORO-LETS

Particular description of goods.—Laxative Confections.
Claims use since May 25, 1927.

Ser. No. 251,687. RAYMOND H. RODGERS, doing business as Quaker Gray Products Company, Philadelphia, Pa. Filed July 8, 1927.

QUAKER GRAY

Particular description of goods.—Liquid Powder and Complexion Bleach, General Healing Cream, Cough Sirups, Face and Talcum Powders, Toilet Creams, and Dentifrices.
Claims use since July, 1926.

CLASS 6.

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.

Ser. No. 251,901. GREENHILL AND SONS, LTD., London, England. Filed July 12, 1927.

CRESTALLINE

Particular description of goods.—Cigar Cases, Cigarette Cases, Cigar Holders, and Cigarette Holders.
Claims use since Aug. 24, 1923.

CLASS 10.

FERTILIZERS.

Ser. No. 250,644. EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed June 16, 1927.

FEROGEN

Particular description of goods.—Ground Dressings and Fertilizers.
Claims use since Nov. 1, 1924.

Ser. No. 250,645. EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed June 16, 1927.

HORTOGEN

Particular description of goods.—Horticultural Stimulants and Fertilizers.
Claims use since Oct. 15, 1925.

Ser. No. 251,873. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y. Filed July 11, 1927.

Phosponite

Particular description of goods.—Fertilizers.
Claims use since about June 27, 1927.

CLASS 11.

INKS AND INKING MATERIALS.

Ser. No. 250,218. HAMPTON AULD, Newark, N. J. Filed June 9, 1927.



No registration rights are claimed for the word "Bodygum" and the representation of the goods.

Particular description of goods.—A Preparation for Mixing with Printing Ink to Give Body Thereto.
Claims use since Aug. 16, 1906.

CLASS 12.

CONSTRUCTION MATERIALS.

Ser. No. 245,322. H. L. BAUMGARDNER CORPORATION, Chicago, Ill. Filed Mar. 7, 1927.

DUROPHALT

Particular description of goods.—Waterproofing and Dampproofing Compound for Use in the Protection of Surfaces Exposed to Water or Dampness.
Claims use since Feb. 1, 1925.

Ser. No. 249,384. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 21, 1927.

Marcol

Particular description of goods.—Temperature-Insulating Material.
Claims use since Apr. 4, 1922.

Ser. No. 249,575. B & F N-DURING CEMENT CO., Binghamton, N. Y. Filed May 26, 1927.



Applicant makes no claim to the name "N-During" except as associated with other features of the mark.

Particular description of goods.—Building Cement Consisting of a Chemically-Treated Powdered Substance.
Claims use since Mar. 12, 1926.

Ser. No. 250,648. SEABOARD REFRACTORIES COMPANY, Valentines, N. J. Filed June 16, 1927.

OILFRAX

Particular description of goods.—Refractory Bricks.
Claims use since on or about Mar. 1, 1927.

Ser. No. 250,687. FARLEY & LOETSCHER MFG. CO., Dubuque, Iowa. Filed June 17, 1927.



Particular description of goods.—Doors.
Claims use since Apr. 15, 1927.

Ser. No. 250,780. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 20, 1927.

TWO-IN-ONE

Particular description of goods.—Hollow Building Tile.
Claims use since May 6, 1926.

Ser. No. 250,886. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 22, 1927.

COLONIAL

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 250,889. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 22, 1927.

QUEEN ANNE

Particular description of goods.—Brick.
Claims use since January, 1927.

Ser. No. 250,990. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed June 23, 1927.

AEROBOARD

Particular description of goods.—Sheet Material Consisting Chiefly of Cellular Rubber for Structural Purposes.
Claims use since January, 1927.

CLASS 13.

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.

Ser. No. 247,219. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Apr. 9, 1927.

M-VB

Particular description of goods.—Ball Cocks, Flush Valves; Tank Fittings—Namely, Levers, Floats, Rods, Elbows, Flanges, Hooks, and Metal Tubing.
Claims use since August, 1909.

Ser. No. 248,501. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed May 5, 1927.



The drawing is lined for blue.

Particular description of goods.—Enamel Ware—Namely, Combinettes, Teakettles, Coffeepots, Rice Boilers, Oval Dish Pans, Round Dish Pans, Teapots, Basins, Convex Saucepans, Toilet Pitchers, Mixing Bowls, Preserving Kettles, Convex Kettles, Sink Strainers, Pudding Pans, and Convex Saucepots.

Claims use since about March, 1926.

Ser. No. 248,550. THE BRISTOL COMPANY, Waterbury, Conn. Filed May 6, 1927. Under 10-year proviso.



The lining is for shading only.

Particular description of goods.—Metallic Fasteners for Belts.

Claims use since July 30, 1889.

Ser. No. 249,112. THE BRIDGEPORT CHAIN COMPANY, Bridgeport, Conn. Filed May 17, 1927.

Readi-Set

No exclusive claim is made to the representation of the goods apart from the mark as shown.

Particular description of goods.—Window Chains, Window-Chain Sets, and Fixtures.

Claims use since Apr. 22, 1927.

Ser. No. 251,275. HOOKLESS FASTENER COMPANY, Meadville, Pa. Filed June 29, 1927.



Particular description of goods.—Separable Fasteners Especially of the Slider-Controlled Type.

Claims use since Feb. 22, 1927.

Ser. No. 251,634. D. B. SMITH & COMPANY, INC., Utica, N. Y. Filed July 7, 1927.

AQUMATIC

Particular description of goods.—Hose Nozzles and Spray Nozzles.

Claims use since about Mar. 1, 1925.

CLASS 14.

METALS AND METAL CASTINGS AND FORGINGS.

Ser. No. 250,685. ELKON WORKS, INC., Weehawken, N. J. Filed June 17, 1927.

ELKONITE

Particular description of goods.—Metal Alloys, Compound Metals, and Tungsten-Containing Metallurgical Products for Use in Bearings, Contactors, Vibrators, Make-and-Break Devices, and Welding Electrode Elements.

Claims use since December, 1925.

Ser. No. 251,260. DOEHLER DIE-CASTING CO., Brooklyn, N. Y. Filed June 29, 1927.



The term "Zink" is hereby disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Die-Casting Metal and Die Castings.

Claims use since Feb. 1, 1925.

Ser. No. 251,261. DOEHLER DIE-CASTING CO., Brooklyn, N. Y. Filed June 29, 1927.



Particular description of goods.—Die-Casting Metal and Die Castings.

Claims use since Jan. 1, 1927.

Ser. No. 251,262. DOEHLER DIE-CASTING CO., Brooklyn, N. Y. Filed June 29, 1927.



Particular description of goods.—Die-Casting Metal and Die Castings.

Claims use since Jan. 1, 1927.

CLASS 15.

OILS AND GREASES.

Ser. No. 237,221. BEACON OIL COMPANY, Boston, Mass. Filed Sept. 14, 1926.

BEACON

Particular description of goods.—Gasoline.

Claims use since July, 1921.

Ser. No. 237,222. BEACON OIL COMPANY, Boston, Mass. Filed Sept. 14, 1926.

BEACON

Particular description of goods.—Fuel Oil.

Claims use since July, 1920.

Ser. No. 248,331. GEORGE W. SPANGLER, Akron, Ohio. Filed May 2, 1927.

Purathol
THE DRY GAS

No claim is made herein to the words "The Dry Gas" apart from the mark shown in the drawing.

Particular description of goods.—Energized Gasoline.

Claims use since June 1, 1925.

Ser. No. 249,139. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 17, 1927.

AURORA

Particular description of goods.—Fuel Oil, Gasoline, Lubricating Oil, Kerosene, Petroleum Distillates, Petroleum Waxes, and Lubricating Greases.

Claims use since June 1, 1907.

Ser. No. 250,485. ILLINOIS FARM SUPPLY COMPANY, Chicago, Ill. Filed June 18, 1927.



No claim is made for the word "Service" apart from the mark shown in the drawing.

Particular description of goods.—Petroleum Products and Oils—Namely, Gasoline, Kerosene, Distillate, Road Oils, Lubricating Greases, and Lubricating Oils.

Claims use since about Apr. 8, 1927.

CLASS 16.

PAINTS AND PAINTERS' MATERIALS.

Ser. No. 245,791. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed Mar. 15, 1927.



No claim is made to the exclusive use of the words appearing on the drawing other than the words "Degrah" and "Keystone Varnish Company." The shading indicates green color.

Particular description of goods.—Varnishes and Enamel Paints.

Claims use since about Jan. 1, 1922.

Ser. No. 249,499. BOSTON VARNISH COMPANY, Everett, Mass. Filed May 25, 1927.

CELOID

Particular description of goods.—Enamel Paint.
Claims use since 1906.

Ser. No. 250,476. A. B. SORRELLS, Hartshorne, Okla. Filed June 13, 1927.

ABS

A B Sorrells

The name appearing as part of the mark is a facsimile of the signature of the applicant, A. B. Sorrells.
Particular description of goods.—Furniture and Automobile Polish.
Claims use since Nov. 15, 1925.

Ser. No. 251,292. THE AUFDEMKAMPE HARDWARE CO., Cincinnati, Ohio. Filed June 29, 1927.



No claim is made to the words "Quality, Service, Price" apart from the mark shown on the drawing.
Particular description of goods.—Enamel Paint, Ready-Mixed Paints, and Varnishes.
Claims use since Jan. 1, 1925.

Ser. No. 251,293. THE AUFDEMKAMPE HARDWARE CO., Cincinnati, Ohio. Filed June 29, 1927.



No claim is made to the words "Quality, Service, Price" apart from the mark shown on the drawing.
Particular description of goods.—Enamel Paint, Varnishes, and Ready-Mixed Paints.
Claims use since Jan. 1, 1925.

Ser. No. 251,595. WERNER & MERTZ AKTIENGESELLSCHAFT, Mainz, Germany. Filed July 6, 1927.

Erdal

Particular description of goods.—Polishing Wax for Floors.
Claims use since Nov. 24, 1922.

Ser. No. 251,723. THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed July 9, 1927.



Particular description of goods.—Lacquers, Lacquer Enamels, Stains; Polishes for Automobiles, Furniture, and the Like; Glazes, Thinners, Primers, Fillers, and Intermediates—i. e., Materials Used for a Lacquer Base and as a Sealing Coat Between Old Varnish or Paint and Lacquer Finishes.
Claims use since Apr. 6, 1927.

Ser. No. 251,781. THE MORGAN COMPANY, Peoria, Ill. Filed July 9, 1927.

VELVET-KOTE

Particular description of goods.—Flat Wall Paint.
Claims use since about Apr. 1, 1907.

CLASS 17.

TOBACCO PRODUCTS.

Ser. No. 250,869. BROWN & WILLIAMSON TOBACCO CORPORATION, Winston-Salem, N. C. Filed June 11, 1927. Under 10-year proviso.

OLD NORTH STATE



Particular description of goods.—Smoking and Chewing Tobacco and Cigarettes.
Claims use since Jan. 1, 1873.

Ser. No. 251,175. ABRAM S. CRONK, Waterbury, Conn. Filed June 27, 1927.

ABE'S IRISH

ROSE

Particular description of goods.—Cigars.
Claims use since August, 1926.

CLASS 19.

VEHICLES, NOT INCLUDING ENGINES.

Ser. No. 231,717. AUTOMOTIVE SPECIALTIES COMPANY, Cleveland, Ohio. Filed May 17, 1926.

FOURSOM
Rumble Seats

The words "Rumble Seats" are disclaimed apart from the mark as shown.
Particular description of goods.—Rumble Seats.
Claims use since Jan. 1, 1926.

Ser. No. 245,233. THE SUNBEAM MOTOR CAR CO., LTD., Wolverhampton, England. Filed Mar. 4, 1927.



Particular description of goods.—Motor Cars.
Claims use since Sept. 16, 1926.

Ser. No. 250,824. CHRIS SMITH & SONS BOAT CO., Algonac, Mich. Filed June 20, 1927.

CADET

Particular description of goods.—Marine Runabouts, Boats, and Launches.
Claims use since Dec. 1, 1926.

Ser. No. 250,825. CHRIS SMITH & SONS BOAT CO., Algonac, Mich. Filed June 20, 1927.

Chris-Craft

No claim is made to the word "Craft" aside from the mark as shown.
Particular description of goods.—Marine Runabouts, Boats, and Launches.
Claims use since June 1, 1922.

CLASS 20.

LINOLEUM AND OILED CLOTH.

Ser. No. 248,351. CONGOLEUM-NAIRN INC., Philadelphia, Pa. Filed May 3, 1927.

LACOLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since Mar. 28, 1927.

Ser. No. 252,272. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed July 19, 1927.

MASTIPAVE

Particular description of goods.—Floor Covering for Industrial Use and Comprising a Felt Base Treated with a Bituminous Compound.
Claims use since Mar. 30, 1927.

CLASS 21.

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.

Ser. No. 233,149. E. M. SARGENT CO., Oakland, Calif., assignor to Radio Constructors Corporation, Oakland, Calif., a Corporation of California. Filed June 12, 1926.

INFRA-DYNE

Particular description of goods.—Radio Receiving Sets and Parts for Radio Receiving Apparatus, Particularly Amplifiers Comprising an Assembled Unit Having Three Stages of Radiofrequency.
Claims use since May 22, 1926.

Ser. No. 234,047. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill. Filed July 2, 1926.

Airline

Particular description of goods.—Radio Receiving Sets and Radio Parts and Accessories—Namely, Vacuum Tubes, Tube Rejuvenators, Tuning Coils, Storage Batteries, B Batteries, Dry Cells, Battery Chargers, Trickle Chargers, Loud Speakers, Head Phones, B-Battery Eliminators, Transformers, Condensers, Grid Leaks, Knocked-Down Kits Containing Parts for Radio Receiving Sets, Dials, Rheostats, and Sockets.
Claims use since September, 1922.

Ser. No. 241,655. THE CREST COMPANY, Chicago, Ill. Filed Dec. 18, 1926.



Particular description of goods.—Electrical Lamps, Torchères, and Candelabra.
Claims use since January, 1918.

Ser. No. 246,121. RAINBOW LIGHT, INC., New York, N. Y. Filed Mar. 21, 1927.

Rainbow SUPER-TUBES

No claim is made to the word "Tubes" apart from the mark as shown.
Particular description of goods.—Illuminating Tubes—Namely, Electric Display and Advertising Luminous Tubes in the Form of Letters, Designs, or Signs.
Claims use since Mar. 12, 1927.

Ser. No. 246,273. A/S. FISKER & NIELSEN, Copenhagen, Denmark. Filed Mar. 24, 1927.

NILFISK

Particular description of goods.—Electrically-Operated Vacuum Cleaners and Parts Thereof, Motors, and Dynamos.
Claims use since 1910.

Ser. No. 246,557. LEAHY ELECTRIC CORP., New York, N. Y. Filed Mar. 29, 1927.

ON-T-I-T-E
SPLICING COMPOUND
O-N-T-I-T-E

No claim is made to the words "Splicing Compound" apart from the mark shown in the drawing.
Particular description of goods.—Friction Tape and Splicing Compound in the Form of Rubber Tape Used for Covering and Insulating Electric Wire.
Claims use since on or about Jan. 1, 1926.

Ser. No. 249,810. SCHLEICHER, INC., Chicago, Ill. Filed May 21, 1927.

STYKLE

Particular description of goods.—Electrical Radiators for Heating Air.
Claims use since May. 2, 1927.

Ser. No. 249,811. SCHLEICHER, INC., Chicago, Ill. Filed May 21, 1927.

KONVEKTAIR

Particular description of goods.—Electrical Radiators for Heating Air.
Claims use since May 2, 1927.

Ser. No. 250,118. JAMES W. DUFF, doing business as Van Dyke Laboratories, Newark, N. J. Filed June 7, 1927.

VAN DYKE

The drawing is lined to indicate shading.
Particular description of goods.—Radio Vacuum Tubes.
Claims use since Feb. 1, 1927.

Ser. No. 250,137. PEOPLE'S OUTFITTING COMPANY, Detroit, Mich. Filed June 7, 1927.

It's Easy to Pay—the People's Way

Particular description of goods.—Radio Receiving Sets and Parts Thereof—Namely, Tuned Radiofrequency Units, Radiofrequency Amplifying Units, and Thermionic Detecting Units.
Claims use since Apr. 14, 1922.

Ser. No. 250,291. ASPHALT PRODUCTS COMPANY, Chicago, Ill. Filed June 10, 1927.

ALRUBCO

Particular description of goods.—Mineral-Rubber and Asphaltic Insulating Compounds for Electrical Purposes.
Claims use since Nov. 1, 1906.

CLASS 23.

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 251,398. KITSON MACHINE SHOP, Lowell, Mass. Filed July 1, 1927. Under 10-year proviso.

KITSON

Particular description of goods.—Textile Machinery and Parts Thereof.
Claims use since 1849.

Ser. No. 251,720. JOHN DEERE TRACTOR COMPANY, Waterloo, Iowa. Filed July 9, 1927.

POWERFARMER

Particular description of goods.—Tractors.
Claims use since Apr. 29, 1927.

CLASS 24.

LAUNDRY APPLIANCES AND MACHINES.

Ser. No. 251,741. GRAYBAR ELECTRIC COMPANY, INC., New York, N. Y. Filed July 9, 1927.

GraybaR

Particular description of goods.—Electric Ironing Machines Used for Laundry Purposes.
Claims use since January, 1926.

CLASS 26.

MEASURING AND SCIENTIFIC APPLIANCES.

Ser. No. 251,733. GRAYBAR ELECTRIC COMPANY, INC., New York, N. Y. Filed July 9, 1927.

GraybaR

Particular description of goods.—Ammeters, Current Meters, Voltammeters, and Voltmeters.
Claims use since January, 1926.

Ser. No. 252,026. AUTOMATIC TICKET REGISTER CORPORATION, New York, N. Y. Filed July 14, 1927.

Cancellograph

Particular description of goods.—Ticket Printing, Registering, and Issuing Machines.
Claims use since June 29, 1927.

CLASS 27.

HOROLOGICAL INSTRUMENTS.

Ser. No. 249,445. THE SOCIÉTÉ ANONYME DES ETABLISSEMENTS LÉON HATOT, Paris, France. Filed May 23, 1927.

ATO

Particular description of goods.—Clocks.
Claims use since Jan. 10, 1920.

CLASS 28.

JEWELRY AND PRECIOUS-METAL WARE.

Ser. No. 232,370. YOUNG & MINK, INC., Springfield, Mass. Filed May 27, 1926.

La Moyne

Particular description of goods.—Necklaces and Rosaries Made in Part of Precious Metals.
Claims use since about Apr. 28, 1926.

CLASS 34.

HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.

Ser. No. 235,619. R. J. SCHWAB & SONS COMPANY, Milwaukee, Wis. Filed Aug. 5, 1926.

GILTEDGE

Particular description of goods.—Warm-Air Furnaces for Use with Coal, Wood, Oil, Gas, or Other Fuel.
Claims use since 1878.

Ser. No. 241,087. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y. Filed Dec. 7, 1926.

BLUE RIBBON

Particular description of goods.—Gas, Vapor, and Oil Lamps; Heating-Radiator Covers for Ornament.
Claims use since Aug. 10, 1910.

Ser. No. 241,088. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y. Filed Dec. 7, 1926.



The drawing is lined to indicate the color blue.
Particular description of goods.—Gas, Vapor, and Oil Lamps; Heating-Radiator Covers for Ornament.
Claims use since Aug. 10, 1910.

Ser. No. 244,886. THE QUINCY STOVE MANUFACTURING COMPANY, Quincy, Ill. Filed Feb. 25, 1927.

FIRESIDE

Particular description of goods.—Coal Heaters and Stoves.
Claims use since Apr. 15, 1925.

Ser. No. 250,940. ARTHUR O. ROSENLUND, doing business as American Heating Company, Philadelphia, Pa. Filed June 22, 1927.

LIFETIME

Particular description of goods.—Hot-Water, Steam, Vacuum Vapor, and Hot-Air Heating Systems Utilizing Coal, Oil, or Gas as Fuels and for Water Heaters, and Steam Boilers for Heating Systems.
Claims use since June 8, 1927.

Ser. No. 251,156. TUTTLE & BAILEY MANUFACTURING COMPANY, New York and Brooklyn, N. Y. Filed June 25, 1927.

TANVORY

Particular description of goods.—Heating and Ventilating Apparatus—Namely, Grilles, Screens, Registers, and Ventilators, Either Plain or Ornamental.
Claims use since Feb. 28, 1927.

Ser. No. 251,362. POTTER PRODUCTS CORPORATION, New York, N. Y. Filed June 30, 1927.

Potter

The mark consists in the word "Potter" in the handwriting of Leo Potter, vice president of Potter Products Corporation.
Particular description of goods.—Pocket Friction Lighters for Pipes, Cigars, and Cigarettes.
Claims use since Mar. 10, 1927.

CLASS 35.

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.

Ser. No. 252,096. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 15, 1927.

COURIER

Particular description of goods.—Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric, and Inner Tubes Therefor.
Claims use since June 22, 1927.

CLASS 36.

MUSICAL INSTRUMENTS AND SUPPLIES.

Ser. No. 238,101. ARTCRAFT ORGAN CO., Santa Monica, Calif. Filed Oct. 4, 1926.



No claim is made to the geographical terms "Santa Monica, California" apart from the mark shown.
Particular description of goods.—Pipe Organs, Reed Organs, and Parts Thereof.
Claims use since Mar. 1, 1922.

Ser. No. 250,726. WEISER & SONS, Chicago, Ill. Filed June 17, 1927.

The Little Wonder

Particular description of goods.—Pianos.
Claims use since Apr. 23, 1927.

Ser. No. 251,301. LEEDY MANUFACTURING COMPANY, Indianapolis, Ind. Filed June 29, 1927.

VIBRAPHONE

Particular description of goods.—Xylophones.
Claims use since Apr. 21, 1927.

CLASS 37.

PAPER AND STATIONERY.

Ser. No. 228,490. SEAMAN PAPER COMPANY, Chicago, Ill. Filed Mar. 11, 1926.



No claim is made to the exclusive right to the words "Featherweight Enamel" forming part of said trade-mark except as in association with the mark as shown.
Particular description of goods.—Coated Printing Paper.
Claims use since Nov. 1, 1924.

Ser. No. 233,399. STUDENTS' PUBLISHING COMPANY, Oakland, Calif. Filed June 17, 1926.

UNITAB

Particular description of goods.—Separator Sheets for Loose-Leaf Folders.
Claims use since Mar. 20, 1926.

Ser. No. 234,847. KOH-I-NOOR BLEISTIFTFABRIK, L. & C. Hardtmuth, Budweis, Czechoslovakia. Filed July 21, 1926.

KOH-I-NOOR

Particular description of goods.—Label Dampeners, Paper Weights, Drawing Pins, Chalk Holders, Lead and Colored Pencils; Lead, Copying, and Colored Pencil Refills for Mechanical Holders (also Pocket Pencils), Ivory Utensils for Polishing and Folding Purposes, Copying Wells, Desk Protectors for Holding Penholders and Other Writing and Drawing Utensils, Graphites, Pocket Cases with Lead, Copying, and Colored Pencils, Holders, or Refills, Pen Boxes, Penwipers, Blotters, Sketching Charcoal; Writing, Drawing, and Marking Chalks.
Claims use since 1890.

Ser. No. 239,147. Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Filed Oct. 23, 1926.

Aldebaran

Particular description of goods.—Black-Lead Pencils, Colored Pencils, Copying Pencils, Slate Pencils, Mechanical Pencils, Lead Refills and Colored-Lead Refills, Chalks, Rubber Erasers, Penholders, Fountain Penholders, Gold Nibs, and Stylographics.
Claims use since July 23, 1900.

Ser. No. 239,148. Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Filed Oct. 23, 1926.

Othello

Particular description of goods.—Lead Pencils, Colored-Lead Pencils, Copying Pencils, Slate Pencils, Mechanical Lead Pencils, Chalk, Rubber Erasers, and Penholders.
Claims use since Jan. 1, 1898.

Ser. No. 239,149. Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Filed Oct. 23, 1926.



„Swan"

Particular description of goods.—Black-Lead Pencils, Copying Pencils, Colored Pencils, and Other Pencils, Mechanical Lead Pencils, Penholders, Chalks, Rulers, and Rubber Erasers.
Claims use since Oct. 12, 1885.

Ser. No. 250,221. Bradner Smith & Co., Chicago, Ill. Filed June 9, 1927.

Sunshine Greeting

No claim is made to the word "Greeting" apart from the mark as shown.
Particular description of goods.—Writing Paper, Envelopes, and Bristol Board.
Claims use since April, 1926.

Ser. No. 250,659. Charles W. Williams Co., Inc., New York, N. Y. Filed June 16, 1927.

Rajahtone

Particular description of goods.—Decorative Box Papers.
Claims use since Aug. 19, 1926.

Ser. No. 250,660. Charles W. Williams Co. Inc., New York, N. Y. Filed June 16, 1927.

Sultantone

Particular description of goods.—Decorative Box Papers.
Claims use since Feb. 1, 1927.

Ser. No. 250,873. Universal Portland Cement Co., Chicago, Ill. Filed June 21, 1927.

Universal Blue Book

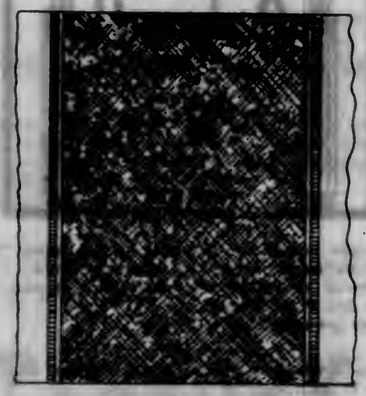
Applicant specifically disclaims the words "Blue Book" appearing upon the drawing separate and apart from the combination shown in drawing.
Particular description of goods.—Blank Books.
Claims use since May 11, 1927.

Ser. No. 251,054. Karl J. Guhne, St. Louis, Mo. Filed June 24, 1927.

See-All Service

No exclusive claim is made to the word "Service" apart from the mark shown.
Particular description of goods.—Stationery—Namely, Record Cards and Work Sheets.
Claims use since June 1, 1927.

Ser. No. 251,164. Bennington Wax Paper Company, Bennington, Vt. Filed June 27, 1927.



The mark consists of the words "Ben Mont" and a wide orange band having parallel thereto on each side a narrow blue band.
Particular description of goods.—Wax Paper, Wax Lunch Rolls, Dry and Waxed Shredded Paper, Christmas Wrapping Paper, and Sheif Paper.
Claims use since Feb. 10, 1927.

Ser. No. 251,254. Charles W. Williams Co. Inc., New York, N. Y. Filed June 28, 1927.

Persiatone

Particular description of goods.—Decorative Box Papers.
Claims use since June 1, 1927.

Ser. No. 251,597. Charles W. Williams Co. Inc., New York, N. Y. Filed July 6, 1927.

Sparkletone

Particular description of goods.—Decorative Box Papers.
Claims use since Feb. 1, 1927.

Ser. No. 251,617. The Heinn Company, Milwaukee, Wis. Filed July 7, 1927.

SPEEDEX

Particular description of goods.—Loose-Leaf Book Binders.
Claims use since Nov. 24, 1926.

Ser. No. 251,618. The Heinn Company, Milwaukee, Wis. Filed July 7, 1927.

SPEEDLOK

Particular description of goods.—Loose-Leaf Book Binders.
Claims use since January, 1925.

CLASS 38.

PRINTS AND PUBLICATIONS.

Ser. No. 232,448. Brown & Bigelow, St. Paul, Minn. Filed May 29, 1926.



Particular description of goods.—Greeting Cards—Namely, Mailing Cards and Wall Calendars.
Claims use since on or about Dec. 28, 1925.

Ser. No. 232,449. Brown & Bigelow, St. Paul, Minn. Filed May 29, 1926.

MottoGRAM

Particular description of goods.—Mailing Cards of a Wall-Calendar Type and Wall Calendars.
Claims use since on or about Dec. 28, 1925.

Ser. No. 244,580. James Tregaskis & Son, London, England. Filed Feb. 18, 1927.



Particular description of goods.—Books.
Claims use since Oct. 5, 1888.

Ser. No. 245,481. Sam Fox Pub. Co., Cleveland, Ohio. Filed Mar. 10, 1927.

PARAMOUNT

Particular description of goods.—Musical Compositions Published from Time to Time.
Claims use since Sept. 1, 1926.

Ser. No. 245,700. Engravographia, New York, N. Y. Filed Mar. 14, 1927.



No claim is made to the word "Engraved" apart from the mark shown.
Particular description of goods.—Pamphlets, Booklets, Invitations, Announcements, Greeting Cards, Diplomas, Bonds, Stock Certificates, Pictorial Prints, Printed Labels, and Wall Calendars.
Claims use since Oct. 27, 1926.

Ser. No. 245,858. THE MUSIC TRADES COMPANY, New York, N. Y., assignor to Walter C. Howey and Verne H. Porter. Filed Mar. 16, 1927.

MUSIC TRADES

Particular description of goods.—Weekly Publication Devoted to Music Industries.
Claims use since Jan. 3, 1891.

Ser. No. 245,980. CHARLES F. GLASSGOW, doing business as Charles F. Glassgow Co., Davenport, Iowa. Filed Mar. 18, 1927.

FIRESIDE

Particular description of goods.—Monthly Publication.
Claims use since June, 1924.

Ser. No. 246,110. THE FRANK A. MUNSEY COMPANY, New York, N. Y. Filed Mar. 21, 1927.

MUNSEY'S MAGAZINE

No claim is made to the word "Magazine" apart from the mark shown in the drawing.
Particular description of goods.—Monthly Magazine.
Claims use since Feb. 2, 1889.

Ser. No. 246,352. THE LITERARY GUILD OF AMERICA, INC., New York, N. Y. Filed Mar. 25, 1927.

The LITERARY GUILD

Particular description of goods.—Books.
Claims use since Mar. 1, 1927.

Ser. No. 249,712. EXPERIMENTER PUBLISHING CO., New York, N. Y. Filed May 28, 1927.

TRICKS & PUZZLES

Particular description of goods.—Monthly Magazine.
Claims use since May 1, 1927.

Ser. No. 250,089. THE MUSIC TRADES COMPANY, New York, N. Y., assignor to Walter C. Howey and Verne H. Porter. Filed June 6, 1927.

THE MUSIC TRADES

Particular description of goods.—Annual Directories of the Music Industries of the United States.
Claims use since March, 1927.

Ser. No. 250,722. HARRY STEINBERG, doing business as Secret Service Publishing Company, New York, N. Y. Filed June 17, 1927.

Secret Service Stories

Particular description of goods.—Periodicals Published from Time to Time.
Claims use since May 19, 1927.

Ser. No. 250,760. RINGSIDE PUBLICATIONS, New York, N. Y. Filed June 18, 1927.

SELF-DEFENSE

Particular description of goods.—Periodical Publication.
Claims use since Jan. 10, 1927.

Ser. No. 250,762. HARRY STEINBERG, doing business as Secret Service Publishing Company, New York, N. Y. Filed June 18, 1927.

Secret Service Detective Stories

Particular description of goods.—Periodicals Published from Time to Time.
Claims use since May 19, 1927.

Ser. No. 251,351. MANUFACTURERS RECORD PUBLISHING COMPANY, Baltimore, Md. Filed June 30, 1927.

BLUE BOOK OF SOUTHERN PROGRESS

Particular description of goods.—Annual Publication.
Claims use since 1909.

Ser. No. 251,441. HARNISCHFEGER CORPORATION, Milwaukee, Wis. Filed July 2, 1927.

The P&H CROWD

Particular description of goods.—Publication in the Form of a House Organ or Magazine Printed and Distributed Monthly to Its Trade and Others.
Claims use since on or about May 1, 1926.

Ser. No. 251,509. MINNESOTA TRIBUNE COMPANY, Minneapolis, Minn. Filed July 5, 1927.

Minneapolis Tribune

Particular description of goods.—Daily Newspaper.
Claims use since May 25, 1867.

Ser. No. 251,555. FORERUNNER PRINTING & PUBLISHING CO., INC., Woodhaven, N. Y. Filed July 6, 1927.

The True Light

Particular description of goods.—Periodical Published Monthly.
Claims use since June 27, 1927.

CLASS 39.

CLOTHING.

Ser. No. 231,759. SMITH, MCCLELLAND CORPORATION, New York, N. Y. Filed May 17, 1926.



No claim is made to the word "Products" apart from the mark as shown in the drawing. The shading is to indicate the colors, red, green, and black.
Particular description of goods.—Knitted and Woven Textile-Fabric Underwear, Hosiery, and Sweaters for Men, Women, and Children.
Claims use since January, 1918.

Ser. No. 234,530. REEVE, AYLES & COMPANY, LTD., Watford, England. Filed July 14, 1926.

Gazelda

Particular description of goods.—Leather Coats for Men, Women, and Children; Leather Waistcoats, Leather Gloves, Leather Gaiters; Leather Hats for Men, Women, and Children; Leather Breeches, Leather Skirts, and Leather Scarfs.
Claims use since Dec. 4, 1925.

Ser. No. 236,089. LEVY, FORMAN & CO., INC., New York, N. Y. Filed Aug. 17, 1926.

LUCKY FELLER CAPS

Applicant disclaims the right to the exclusive use of the word "Caps" apart from the rest of the mark.
Particular description of goods.—Headwear for Men, Women, Boys, Girls, and Infants—Namely, Hats, Caps, Toques, Bonnets, Hoods, and Hat Bodies.
Claims use since April, 1924.

Ser. No. 236,526. THE E. V. BENJAMIN COMPANY, INC., doing business as Maginnis Cotton Mills, New Orleans, La. Filed Aug. 27, 1926.

HAPPY JACK

Particular description of goods.—Men's, Boys', and Children's Garments—Namely, Work Shirts, Overalls, Jackets, Pants, Suits, Vests, Coats, Jumpers, Overall Union Suits, Coveralls, and Play Suits.
Claims use since on or about Aug. 1, 1926.

Ser. No. 241,754. TWINKIES SPECIALTY COMPANY, St. Louis, Mo. Filed Dec. 20, 1926.



Children's Hats and Caps

No claim is made to the words "Children's Hats and Caps."
Particular description of goods.—Children's Hats and Caps.
Claims use since Apr. 29, 1926.

Ser. No. 243,790. BLACKSTONE KNITTING MILLS, INC., Chicago, Ill. Filed Feb. 4, 1927.

BLACKSTONIT

Particular description of goods.—Sweaters and Knitted Neckwear—Namely, Ties, Mufflers, Shawls, and Scarfs.
Claims use since January, 1923.

Ser. No. 245,178. YOUNKER BROTHERS INC., Des Moines, Iowa. Filed Mar. 3, 1927.

YOUNKERS' BLOSSOMTIME WASH FROCKS

No claim is made to the words "Wash Frocks" apart from the mark as shown in the drawing.
Particular description of goods.—Wash Frocks for Children.
Claims use since Jan. 1, 1927.

Ser. No. 246,228. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 23, 1927.

Gamefeathers

Particular description of goods.—Suits in Two and Three Piece Garments and Separate Items—Viz, Trousers, Vests, Coats, and Knickerbockers; and Overcoats, Hats, and Caps for Men and Boys.
Claims use since Mar. 5, 1927.

Ser. No. 246,297. LEVY BROS. & ADLER ROCHESTER, INC., Rochester, N. Y. Filed Mar. 24, 1927.

Correct Style
Bart Murray

No claim is made to the exclusive use as a trade-mark of the words "Correct Style" apart from the mark as shown in the drawing. The name is a facsimile of the signature of Bart Murray.
Particular description of goods.—Men's and Young Men's Suits, Overcoats, Topcoats, and Knickers.
Claims use since January, 1927.

Ser. No. 246,869. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed Mar. 25, 1927.

Fairway

Particular description of goods.—Overalls for Men and Women.
Claims use since Aug. 3, 1926.

Ser. No. 247,248. S. BLECHMAN & SONS, INC., New York, N. Y. Filed Apr. 11, 1927.

Charm

Applicant owns registrations No. 168,553 and 192,245.
Particular description of goods.—Children's Caps, Woven and Knitted, Silk, Cotton, Wool, and Mixed; Boudoir Caps, Woven and Knitted; Bathing and Swimming Suits and Caps, Bibs, Windsor Ties for Children, Corsets, Infant's and Children's Pants, Men's and Boys' Outer Shirts and Blouses, Leather and Woven and Knitted Gloves, Rubber Baby Pants, Rubber and Rubberized Household Aprons; Children's Shoes of Leather, Cloth, and of Combinations of Leather and Cloth; Men's Women's, and Children's Slippers of Cotton and Wool Mixed and of Leather and Imitation Leather; Hosiery, Pyjamas, Underwear Bloomers, Rubber Gloves for General Use, Suspenders, Arm Bands; Men's, Women's, and Children's Belts for Outer Wear; Men's, Women's, and Children's Garters; and Running Pants.
Claims use since on or about the following dates: Jan. 5, 1921, on infants' and children's pants, leather and woven and knitted gloves; on boudoir caps, woven and knitted, since Nov. 1, 1921; on corsets since Jan. 5, 1922; on children's shoes, pyjamas, and underwear bloomers since Mar. 1, 1922; on children's caps, woven and knitted, silk, cotton, and wool, and mixed, since Apr. 1, 1922; on bathing and swimming suits and caps, since June 15, 1922; on rubber baby pants, since Jan. 5, 1924; on men's blouses and rubberized household aprons, since Jan. 5, 1925; on running pants since Feb. 1, 1925; on rubber household aprons, men's, women's, and children's slippers of cotton and cotton and wool mixed, and of leather and imitation leather since Jan. 5, 1926; on bibs, rubber gloves for general use, suspenders, arm bands, men's, women's, and children's belts for outer wear, men's, women's, and children's garters, Windsor ties for children, men's and boys' outer shirts, boys' blouses, and hosiery since Jan. 5, 1927.

Ser. No. 247,858. HARRIS RAINCOAT COMPANY, New York, N. Y. Filed Apr. 22, 1927.

THE RAIN GLO

Particular description of goods.—Waterproofed Clothing—Namely Coats, Capes, Caps, and Hats for Men, Women, and Children, and Overalls, Pants, and Shirts for Men and Boys, All Waterproofed.
Claims use since Apr. 13, 1927.

Ser. No. 248,548. THE BLUM STORE, Philadelphia, Pa. Filed May 6, 1927.

FASHION CORNER

Particular description of goods.—Women's and Misses' Suits, Coats, Dresses, Wraps, Capes, Gowns, Raincoats, Trimmed and Untrimmed Hats, Hosiery, Knitted and Textile Underwear, Lingerie, Comprising Negligees, Slips, Chemises, Step-Ins, Vests, Brassières, and Women's and Misses' Bloomers, Sweaters, Shirts, and Bathing Suits.
Claims use since Feb. 1, 1924.

Ser. No. 248,775. L. J. & C. D. JAFFEE, INC., New York, N. Y. Filed May 10, 1927.



VALUE *Group*

No claim is made to the exclusive use of the word "Value" apart from the mark as shown in the drawing.
Particular description of goods.—Young Men's, Boys', and Children's Suits in One, Two, Three, and Four Piece Garments.
Claims use since Jan. 15, 1927.

Ser. No. 249,174. HIGH POINT OVERALL COMPANY, High Point, N. C. Filed May 18, 1927.



Applicant owns registration No. 206,320. Applicant disclaims the exclusive right to the use of the word "Special" except in association with the other features of the mark.
Particular description of goods.—Overalls, Men's and Boys' Coats, Work Shirts, Pants, and Men's and Boys' Caps.
Claims use since about Oct. 1, 1924.

Ser. No. 249,497. ABRAHAM S. BIRSH, doing business as A. S. Birsh Co., New York, N. Y. Filed May 25, 1927.

Birshire CLOTHES

Exclusive use of the word "Clothes" is disclaimed except in conjunction with said trade-mark.
Particular description of goods.—Men's, Students', Boys', and Juveniles' Suits, Overcoats, and Topcoats.
Claims use since May 11, 1926.

Ser. No. 250,003. TEXAS HOSIERY MILLS, Dallas, Tex. Filed June 3, 1927.

BLUE ROSE

Particular description of goods.—Hosiery.
Claims use since Apr. 1, 1927.

Ser. No. 250,130. MCELWAIN-HOLMES CO., Hudson, Mass. Filed June 7, 1927.

CORRECTIVARCH
WALK TO HEALTH IN COMFORT

No claim is made to the exclusive use of the phrases "Correctivarch" and "Walk to Health in Comfort" apart from the mark shown in the drawing.
Particular description of goods.—Leather Shoes.
Claims use since May 18, 1927.

Ser. No. 250,211. SUSSMAN & DRUCKER KNITTING MILLS, INC., New York, N. Y. Filed June 8, 1927.

DRUMMER BOY

No claim is made for colors shown.

Particular description of goods.—Neckties, Mufflers, and Belts for Outer Wear.

Claims use since Jan. 2, 1927.

Ser. No. 250,250. I. L. MARROW & CO. INC., New York, N. Y. Filed June 9, 1927.

CAMBRIDGE
FULL CUT

Applicant disclaims the geographical word "Cambridge" and the descriptive words "Full Cut" apart from the mark as shown.

Particular description of goods.—Textile Underwear, Pyjamas, Nightshirts, and Nightgowns for Men, Women, Boys, Girls, and Children.

Claims use since May 1, 1926.

Ser. No. 250,264. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed June 9, 1927.

DURA-*foot*

Applicant disclaims exclusive right to the word "Foot" except as used in the form and setting shown.

Particular description of goods.—Hosiery.

Claims use since May 23, 1927.

Ser. No. 250,326. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 10, 1927.

Searstride

Particular description of goods.—Women's, School Girls' and Children's Bloomers of Knitted and Textile Fabrics.

Claims use since Feb. 18, 1927.

Ser. No. 250,630. NEWELL & SCHNEIDER COMPANY, Pittsburgh, Pa. Filed June 16, 1927.

REST N S FULL
ARCH
SHOE

The words "Rest Full Arch Shoe" are disclaimed apart from the mark shown.

Particular description of goods.—Leather Boots and Shoes.

Claims use since about Apr. 1, 1927.

Ser. No. 250,695. INTERNATIONAL MILLINERY CO., INC., New York, N. Y. Filed June 17, 1927.

IM
International Millinery
PARIS
NEW YORK

No claim is made to the exclusive use of the words "Millinery, New York, Paris" apart from the mark shown on the drawing.

Particular description of goods.—Ladies' and Misses' Hats.

Claims use since Apr. 1, 1927.

Ser. No. 250,717. SARNOFF-IRVING HAT STORES, INC., New York, N. Y. Filed June 17, 1927.

The Peak of Comfort

Particular description of goods.—Men's and Young Men's Hats.

Claims use since May 20, 1927.

Ser. No. 250,955. AMERICAN TEXTILES, INC., Bay City, Mich. Filed June 23, 1927.

SILVER BELLE

Particular description of goods.—Knitted and Textile Underwear and Hosiery for Men, Women, and Children.

Claims use since August, 1926.

Ser. No. 250,983. DAINTYFOOT HOSIERY CO., Philadelphia, Pa. Filed June 23, 1927.

Daintyfoot

Particular description of goods.—Hosiery.

Claims use since Sept. 27, 1922.

Ser. No. 250,993. HAPP BROTHERS COMPANY, Macon, Ga. Filed June 23, 1927.

HAPGRADE

Applicant owns registration No. 66,515.

Particular description of goods.—Overalls, Pants, Work and Negligee Shirts, Jumpers, Coats, and Combination Suits for Outer Wear for Men and Boys, and Play Garments for Children, Consisting of One and Two Piece Suits in the Nature of Overalls.

Claims use since May 1, 1907.

Ser. No. 251,231. LILY DRESS COMPANY, New York, N. Y. Filed June 28, 1927.

LILY DRESS

Applicant claims no registration rights herein to the word "Dress" apart from the other features of the mark.

Particular description of goods.—Children's Dresses.

Claims use since June 15, 1927.

CLASS 40.

FANCY GOODS, FURNISHINGS, AND NOTIONS.

Ser. No. 245,614. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Mar. 12, 1927.

QUILTKRAFT

Particular description of goods.—Fabric or Material Stamped for Art Needlework to be Finished into Spreads, Curtains, Scarfs, Buffet Sets, Pillows, Quilts, Crib Covers, Doilies, and Vanity Sets, Said Vanity Sets Being Comprised of a Plurality of Doilies or Scarfs.

Claims use since Feb. 18, 1927.

CLASS 42.

KNITTED, NETTED, AND TEXTILE FABRICS.

Ser. No. 239,068. S. STEIN & CO., New York, N. Y. Filed Oct. 22, 1926.

Pebble Splash

Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.

Claims use since Aug. 15, 1926.

Ser. No. 240,931. S. STEIN & CO., New York, N. Y. Filed Dec. 3, 1926.

Anglora

Particular description of goods.—Men's Woolen Overcoatings.

Claims use since July 1, 1926.

Ser. No. 246,381. L. BAMBERGER & COMPANY, Newark, N. J. Filed Mar. 26, 1927.

DURO-WEAVE

No claim is made for the word "Weave" apart from the mark shown.

Particular description of goods.—Textile Rugs and Textile Floor Coverings.

Claims use since Mar. 7, 1927.

Ser. No. 249,904. HOUSE OF WILTONS, New York, N. Y. Filed June 2, 1927.

The
HOUSE
OF
WILTONS

Applicant disclaims the use of the words "The House of Wiltons" apart from the mark shown.

Particular description of goods.—Floor Coverings Made of Textile Goods and of Grass.

Claims use since January, 1919.

Ser. No. 251,089. A. M. TURELL FABRICS CORPORATION, New York, N. Y. Filed June 24, 1927.

SATIN-GLO

No claim is made to the exclusive use of the word "Satin" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Fabrics.
Claims use since May 21, 1927.

Ser. No. 251,115. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Kitnmusky

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 5, 1927.

Ser. No. 251,117. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 25, 1927.

Lameera

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Feb. 17, 1927.

Ser. No. 251,127. EAGLE & PHENIX MILLS, Columbus, Ga. Filed June 25, 1927.

BLUEPOINT

Particular description of goods.—Cotton Checks Falling Within the Classification of Cotton Piece Goods.
Claims use since Nov. 28, 1921.

Ser. No. 251,312. THE ACHESON HARDEN CO., New York, N. Y. Filed June 30, 1927.

Ambassador

Particular description of goods.—Handkerchiefs.
Claims use since May 5, 1927.

Ser. No. 251,816. BIANCHINI FERIER, Lyon, France. Filed July 11, 1927.

TIGRESA

Particular description of goods.—Silk Piece Goods.
Claims use since May 13, 1925.

Ser. No. 251,817. BIANCHINI FERIER, Lyon, France. Filed July 11, 1927.

TURLAH

Particular description of goods.—Piece Goods of Silk, Artificial Silk, Wool, and Hairs.
Claims use since Mar. 31, 1927.

Ser. No. 251,876. TRIPPE, BARKER & CO., New York, N. Y. Filed July 11, 1927.

CHARMEUSETTE

Particular description of goods.—Cotton Piece Goods.
Claims use since Dec. 9, 1919.

Ser. No. 252,087. CARTER DRY GOODS CO., Louisville, Ky. Filed July 15, 1927.

HORSESHOE

Particular description of goods.—Cotton Sheeting.
Claims use since Feb. 5, 1927.

Ser. No. 252,166. PACIFIC MILLS, Lawrence and Boston, Mass. Filed July 16, 1927.

Dressal

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 3, 1927.

CLASS 43.

THREAD AND YARN.

Ser. No. 252,057. THE NATIONAL SILK COMPANY, INC., South Coventry, Conn. Filed July 14, 1927.

AMERA

Particular description of goods.—Silk, Rayon, Cotton, Woolen, and Linen Threads.
Claims use since May 20, 1927.

Ser. No. 252,139. ADAMS SILK COMPANY, INC., New York, N. Y. Filed July 10, 1927.



No rights are asserted to the exclusive use of the wording "Best Silk Threads, Quality" apart from the mark shown in the drawing.
Particular description of goods.—Yarns Spun from Silk and Rayon or Mixtures of the Materials, and Yarns and Threads of Silk, Rayon, or Mixtures Thereof.
Claims use since Apr. 15, 1927.

CLASS 44.

DENTAL, MEDICAL, AND SURGICAL APPLIANCES.

Ser. No. 235,018. LEO MAX BAGINSKI, doing business as L. M. Baginski, Berlin-Pankow, Germany. Filed July 24, 1926.



No claim is made to the words "Roller" and "Schutzmarke" nor to the representation of the roller apart from the mark shown in the drawing.
Particular description of goods.—Medical and Orthopedical Apparatus—Namely, Medical Massaging Apparatus.
Claims use since Jan. 1, 1925.

Ser. No. 244,002. DAVOL RUBBER COMPANY, Providence, R. I. Filed Feb. 8, 1927.

Anti-Colic

Particular description of goods.—Nipple Shields and Nipples for Nursing Bottles.
Claims use since Aug. 28, 1896, on nipples for nursing bottles and since about July 1, 1922, on nipple shields.

Ser. No. 244,782. MAGNETICO, INC., New York, N. Y. Filed Feb. 23, 1927.

MAG-NET-I-CO FOR HEALTH

No claim is made to the exclusive use of the words "For Health" apart from the trade-mark shown on the drawings.
Particular description of goods.—Magnetic Belts Used for Therapeutic or Corrective Purposes.
Claims use since Jan. 25, 1927.

Ser. No. 250,014. CRESCENT SPECIALTY COMPANY, INC., Brooklyn, N. Y. Filed June 4, 1927.

Crescent Specialty Company Inc.

Particular description of goods.—Sanitary Napkins.
Claims use since Jan. 1, 1913.

Ser. No. 251,044. A. S. ALOE CO., St. Louis, Mo. Filed June 24, 1927.

SPECTRO-SUN

Particular description of goods.—Therapeutic Arc Lamps.
Claims use since Sept. 14, 1923.

Ser. No. 251,108. AMERICAN CYSTOSCOPE MAKERS, INC., Long Island City, N. Y. Filed June 25, 1927.

MC.CARTHY FOROBLIQUE

Particular description of goods.—Diagnostic, Examining, and Operating Specula and Instruments Employing Means for Illuminating Vision.
Claims use since 1924.

CLASS 45.

BEVERAGES, NONALCOHOLIC.

Ser. No. 250,107. VALLEY INDUSTRIES, INCORPORATED, San Antonio, Tex. Filed June 6, 1927.



The drawing is lined for red.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since Nov. 3, 1924.

Ser. No. 250,569. SCHNEBEGER & DOWNING CORPORATION, Hanford, Calif. Filed June 15, 1927.

MOUNT WHITNEY

Particular description of goods.—Nonalcoholic, Maltless Beverages and Fruit Sirups and Juices for Making the Same.

Claims use since June 1, 1927.

Ser. No. 251,000. R. H. LINDSAY, Toronto, Ontario, Canada. Filed June 23, 1927.

COLDSTREAM.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since June 1, 1927.

Ser. No. 251,270. FLOCK BREWING CO., Williamsport, Pa. Filed June 29, 1927.



Particular description of goods.—Ginger Ale.

Claims use since Mar. 29, 1927.

Ser. No. 251,335. JOHN GRAF CO., Milwaukee, Wis. Filed June 30, 1927.

Eula

Particular description of goods.—Ginger Ale and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Apr. 11, 1927.

CLASS 46.

FOODS AND INGREDIENTS OF FOODS.

Ser. No. 206,177. MANITOWOC PRODUCTS COMPANY, Manitowoc, Wis. Filed Dec. 3, 1924.

BANQUET

Particular description of goods.—Ice Cream, Cheese, and Koch Kase (Cooked Cheese).

Claims use since Nov. 1, 1918.

Ser. No. 228,204. SOUTH HAVEN PRESERVING CO., South Haven, Mich. Filed Mar. 5, 1926.

Dinner Pail

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since Oct. 10, 1924.

Ser. No. 228,205. SOUTH HAVEN PRESERVING CO., South Haven, Mich. Filed Mar. 5, 1926.

Four O'clock

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since Sept. 25, 1923.

Ser. No. 231,058. MOUNTAIN CITY MILL CO., INC., Chattanooga, Tenn. Filed May 3, 1926.

BLUE STOCK



No claim is made to the word "Stock" apart from the mark shown in the drawing.

Particular description of goods.—Stock Feed.

Claims use since Apr. 1, 1926.

Ser. No. 233,280. THE RED STAR MILLING COMPANY, Wichita, Kans. Filed June 14, 1926.



Particular description of goods.—Wheat Flour.

Claims use since Feb. 27, 1926.

Ser. No. 235,207. GREGO CANNING COMPANY, INC., San Jose, Calif. Filed July 27, 1926.

Integrity

Particular description of goods.—Canned Fruits.

Claims use since May 1, 1926.

Ser. No. 235,546. M. A. GEDNEY COMPANY, Minneapolis, Minn. Filed Aug. 4, 1926.

DIXIE

Particular description of goods.—Pickles.

Claims use since about Jan. 2, 1920.

Ser. No. 236,438. REICHARDT COCOA & CHOCOLATE CO., INC., New York, N. Y. Filed Aug. 25, 1926.

Reichardt's



No claim is made to the surname "Reichardt's" apart from the mark shown in the drawing.

Particular description of goods.—Cocoa, Chocolate, and Cocoa and Chocolate.

Claims use since Dec. 1, 1925.

Ser. No. 236,742. GEBRÜDER STOLLWERCK A. G., Vienna, Austria. Filed Sept. 1, 1926.

Gloriette



Particular description of goods.—Biscuits, Crushed Oats with and without Addition of Cocoa and Chocolate, Cocoa, Candies, Marchpane, Prepared Oatmeal, Prepared and Unprepared Meal with Addition of Cocoa and Chocolate, Chocolate, Chocolate Candies, Waffles, and Sweetmeats.

Claims use since February, 1926.

Ser. No. 237,349. W. B. Wood Mfg. Co., St. Louis, Mo. Filed Sept. 16, 1926.

VANOL

Particular description of goods.—Flavoring Compound.
Claims use since Nov. 1, 1914.

Ser. No. 239,853. Gridoos, Cooper & Co., St. Paul, Minn. Filed Nov. 9, 1926.

STONE WALL

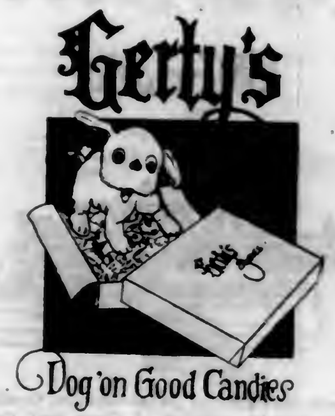
Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Baked Beans, and Peanut Butter.
Claims use since Apr. 23, 1902.

Ser. No. 240,173. D. F. De Bernardi & Co., San Francisco, Calif. Filed Nov. 17, 1926.

FARINA DORATA

No claim is made to the word "Farina" apart from the mark as shown.
Particular description of goods.—Corn Meal.
Claims use since Mar. 10, 1897.

Ser. No. 244,040. Gertrude Waterfall, Chicago, Ill. Filed Feb. 19, 1927.



No claim is made to the word "Candies" or to "Good Candies" apart from the mark shown on the drawing.
Particular description of goods.—Boxed Sweetmeats.
Claims use since May 15, 1926.

Ser. No. 244,689. J. J. Gielow & Sons, Highland Park, Mich., assignor to J. J. Gielow & Sons, Highland Park, Mich., a Corporation of Michigan. Filed Feb. 21, 1927.

AUNT JANE'S

Particular description of goods.—Horse-Radish, Pickles, Sweet Pepper Relish, Vinegar, Catchup, Mayonnaise, Honey, Fruit Preserves, Mustard, Sauerkraut, Marmalade, and Peanut Butter.
Claims use since 1922.

Ser. No. 244,774. King Koffee Kompany, Indianapolis, Ind. Filed Feb. 23, 1927.



No claim is made to the words "Kwality Koffee" apart from the mark shown on the drawing.
Particular description of goods.—Coffee.
Claims use since Jan. 17, 1927.

Ser. No. 245,234. Charles Elmer Taylor, El Dorado, Ark. Filed Mar. 4, 1927.



No claim is made for the words "Health Flour" apart from the mark as shown in the drawing. The lining for color as shown indicates orange.
Particular description of goods.—Prepared Flour.
Claims use since Mar. 10, 1926.

Ser. No. 246,411. John Morrell & Co., Ottumwa, Iowa. Filed Mar. 26, 1927.

THREE PIG

Particular description of goods.—Lard, Hams, Bacon, and Shoulders.
Claims use since 1893.

Ser. No. 247,358. California Avocado Growers Exchange, Los Angeles, Calif. Filed Apr. 13, 1927.

GUSTO

Particular description of goods.—Fresh Fruit—Namely, Avocados.
Claims use since Jan. 28, 1927.

Ser. No. 248,668. F. X. Baumert & Co., Inc., New York, N. Y. Filed May 9, 1927.



All wording except the words "Baumert Military" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Cheese.
Claims use since Mar. 1, 1927.

Ser. No. 248,810. William H. Brooks, doing business as Greenline Bakeries, Inc., San Francisco, Calif. Filed May 11, 1927.

BRODEX

Particular description of goods.—Bread, Cake, Wheat Flour; Bread Compound Composed of Shortening, Sugar, Salt, Milk, Malt, Starch, and Water; Biscuits, Crackers, and Doughnuts.
Claims use since Dec. 28, 1926.

Ser. No. 248,841. Joseph Burnett Company, Boston, Mass. Filed May 11, 1927.

SUPREME
SINCE 1847

Particular description of goods.—Flavoring Extracts for Food Purposes and Ground Spices.
Claims use since Jan. 1, 1924.

Ser. No. 249,026. Stratford Chocolate Company, Inc., Baltimore, Md. Filed May 14, 1927.

CHOCOMIX

Particular description of goods.—Prepared Chocolate and Cocoa Powder.
Claims use since Apr. 21, 1927.

Ser. No. 249,163. Manoli P. Elliff, doing business as Chicago Candy and Cone Co., Chicago, Ill. Filed May 18, 1927.



Particular description of goods.—Candy.
Claims use since Jan. 1, 1920.

Ser. No. 249,820. Ashton & Parsons Ltd., London, England. Filed May 21, 1927.

PHOSFERINE

Particular description of goods.—Bird Food.
Claims use since 1875.

Ser. No. 249,789. Fruitex Corporation, Benton Harbor, Mich. Filed May 21, 1927.

FRUITEX

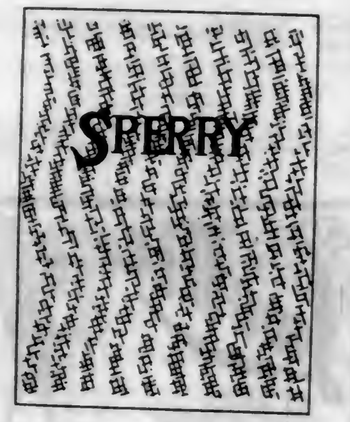
Particular description of goods.—Concentrated Fruit Foods for the Preparation of Jellies.
Claims use since Mar. 1, 1927.

Ser. No. 250,025. JIJONA CANDY CO., Newark, N. J. Filed June 4, 1927.



No registration rights are claimed for the words "Jijona Candy Co." The portrait of the girl is fanciful.
Particular description of goods.—Candy.
Claims use since Dec. 15, 1926.

Ser. No. 250,423. SPERRY FLOUR COMPANY, San Francisco, Calif. Filed June 11, 1927.



The drawing is lined to indicate yellow.
Particular description of goods.—Egg Mash, Baby-Chick Scratch Feed, Pullet Scratch Feed, Scratch Feed, Egg Mash with Buttermilk, Developing Mash with Buttermilk, Baby-Chick Mash, Baby-Chick Mash with Buttermilk, Crate Fattener, Pigeon Feed.
Claims use since Apr. 14, 1910.

Ser. No. 250,452. CHAS. HOLLENBACH, Chicago, Ill. Filed June 13, 1927.



Particular description of goods.—Meat Roll.
Claims use since about May 19, 1927.

Ser. No. 250,453. CHAS. HOLLENBACH, Chicago, Ill. Filed June 13, 1927.



Particular description of goods.—Meat Roll.
Claims use since about May 19, 1927.

Ser. No. 250,555. KUNKEL & HAVERSTICK, Baltimore, Md. Filed June 15, 1927.



Particular description of goods.—Cakes.
Claims use since May 1, 1921.

Ser. No. 250,803. ILLINOIS NUT PRODUCTS COMPANY, Chicago, Ill. Filed June 20, 1927.



Particular description of goods.—Candy-Coated Nut Meats.
Claims use since May 15, 1927.

Ser. No. 250,860. PURITAN PIE COMPANY, Denver, Colo. Filed June 21, 1927.



No claim is made to the word "Pie" apart from the mark shown on the drawing.
Particular description of goods.—Pies.
Claims use since Oct. 19, 1926.

Ser. No. 251,085. SCHREIBER MILLING & GRAIN CO., St. Joseph, Mo. Filed June 24, 1927.

SWEET LASSY

Particular description of goods.—Stock Feed.
Claims use since Sept. 5, 1924.

Ser. No. 251,220. JAMES CONWAY, doing business as The Lemspred Co., Long Island City, N. Y. Filed June 28, 1927.

LEMSPRED

Particular description of goods.—A Lemon Spread for Sandwiches and Other Food Products.
Claims use since May 25, 1927.

Ser. No. 251,468. VITAMIN FOOD CO. INC., New York, N. Y. Filed July 2, 1927.

VEGEX VIMS

Particular description of goods.—Candy.
Claims use since May 3, 1927.

Ser. No. 251,526. WHITE GRAIN COMPANY, Duluth, Minn. Filed July 5, 1927.



Particular description of goods.—Feeds—i. e., Egg Mash and Cattle Feed.
Claims use since Jan. 1, 1927.

Ser. No. 251,625. MARSHAK MALTMOLAK CO., INC., Brooklyn, N. Y. Filed July 7, 1927.

Sha-ko

Particular description of goods.—Malted Milk.
Claims use since about July 2, 1927.

Ser. No. 251,680. C. C. MORSE & COMPANY, San Francisco, Calif. Filed July 8, 1927.

SONGSTER

Particular description of goods.—Birdseed and Bird Food.
Claims use since Mar. 4, 1927.

Ser. No. 251,699. THE WILCOX-HAYES CO., Portland, Oreg. Filed July 8, 1927.

NESQUIN

Particular description of goods.—Canned and Dried Fruits, Canned Vegetables, Canned Berries, Canned Fish, Canned Evaporated Milk.
Claims use since Feb. 12, 1927.

Ser. No. 251,808. ALPIER PRODUCTS CO., Clinton, Ind. Filed July 11, 1927.

AMOR

Particular description of goods.—Spaghetti Sauce.
Claims use since May 1, 1927.

Ser. No. 251,828. GORDON CANNING CORPORATION, Hoquiam, Wash. Filed July 11, 1927.

Frupako

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1926.

Ser. No. 251,835. HAWAIIAN PINEAPPLE COMPANY, LTD., Iwilei, Territory of Hawaii, and San Francisco, Calif. Filed July 11, 1927.

FLIGHT

Particular description of goods.—Canned Pineapple.
Claims use since July 2, 1927.

Ser. No. 251,841. INDEPENDENT BAKING CO., Davenport, Iowa. Filed July 11, 1927.

BONNIE MARIE

Particular description of goods.—Cookies and Shortbread.
Claims use since Mar. 24, 1927.

Ser. No. 251,856. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Filed July 11, 1927.

FLAVORA

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since Mar. 29, 1927.

Ser. No. 251,858. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Filed July 11, 1927.

GARDENIA

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since Mar. 29, 1927.

Ser. No. 251,987. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif. Filed July 13, 1927.

PUEBLO

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 1, 1912.

Ser. No. 251,993. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Filed July 13, 1927.

PEASANT

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 2, 1909.

Ser. No. 251,995. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif. Filed July 13, 1927.

Prairie Belle

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since Jan. 1, 1913.

Ser. No. 252,018. SACRAMENTO RIVER ASSOCIATION, Courtland, Calif. Filed July 13, 1927.

HUSTLER

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears.
Claims use since July 1, 1924.

Ser. No. 252,058. OKLAHOMA CITY MILL & ELEVATOR CO., Oklahoma City, Okla. Filed July 14, 1927.



Particular description of goods.—Wheat Flour.
Claims use since May 21, 1927.

Ser. No. 252,102. KUNKEL & HAVERSTICK, Baltimore, Md. Filed July 15, 1927.

BLACK BOTTOM

Particular description of goods.—Cakes.
Claims use since Feb. 21, 1927.

CLASS 46.

MALT BEVERAGES, EXTRACTS, AND LIQUORS.

Ser. No. 249,027. VAL BLATZ BREWING COMPANY, Milwaukee, Wis. Filed May 14, 1927.

Hof-Brand

No claim is made to the word "Brand" apart from the mark as shown.
Particular description of goods.—Malt Strup for Food Purposes.
Claims use since Mar. 12, 1927.

CLASS 50.

MERCHANDISE NOT OTHERWISE CLASSIFIED.

Ser. No. 246,285. EDWARD SIDNEY HOLE, London, England. Filed Mar. 24, 1927.

HOLITE

Particular description of goods.—Printing Blocks, Intaglios, and Material for Making Printing Blocks Composed of Cellulose Material.
Claims use since July 15, 1926.

Ser. No. 247,141. O'HARA WALTHAM COMPANY, Waltham, Mass. Filed Apr. 8, 1927.

VITRAGOLD

Particular description of goods.—Enameled Window Letters and Numerals.
Claims use since Mar. 28, 1927.

Ser. No. 248,723. PYRAMIDENFLIEGENPÄNGERFABRIK MAX DAMBITZ ZEITZ MIT BESCHRÄNKTER HAFTUNG, Zeitz, Germany. Filed May 9, 1927.

Schwapp

Particular description of goods.—Flycatchers Consisting of Strips of Paper Covered with Glue.
Claims use since June 2, 1909.

Ser. No. 250,433. C. A. BOYLE & Co., Chicago, Ill. Filed June 13, 1927.

PERI-SILK

No claim is made to the exclusive use of the word "Silk" appearing in the mark except as associated with the other features shown.
Particular description of goods.—Water-Repellant Mildew-Resistant Silk Fabric.
Claims use since Oct. 1, 1926.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 23, 1927.

231,468. PORCELAIN AND CHINA BEDROOM CHAMBERS, CEREAL SETS, AND CHINAWARE. Best & Co., Inc., New York, N. Y.
Filed January 7, 1927. Serial No. 242,468. PUBLISHED JUNE 14, 1927. Class 30.

231,469. LUBRICATING OILS AND GREASES. Jean Georges Dintilhac, Paris, France.
Filed January 15, 1927. Serial No. 242,883. PUBLISHED MAY 31, 1927. Class 15.

231,470. WATCHCASES. L & L Watch Case Company, New York, N. Y.
Filed January 20, 1927. Serial No. 243,095. PUBLISHED MAY 31, 1927. Class 27.

231,471. LUBRICATING OILS OF PETROLEUM BASIS. Walter & Co., Rio de Janeiro, Brazil.
Filed February 9, 1927. Serial No. 244,119. PUBLISHED JUNE 7, 1927. Class 15.

231,472. INDOOR OR OUTDOOR GAME CONSISTING OF A BOARD WITH APERTURES THEREIN THROUGH WHICH A BALL MAY BE THROWN OR KICKED. George H. Renz, Newark, N. J.
Filed January 21, 1927. Serial No. 243,170. PUBLISHED MAY 31, 1927. Class 22.

231,473. DOLLS' BLANKETS, DOLLS' CARRIAGE OUTFIT SETS, DOLLS' PILLOWS. M. & S. Shillman, Brooklyn, N. Y.
Filed January 26, 1927. Serial No. 243,392. PUBLISHED MAY 24, 1927. Classs 22.

231,474. LUBRICATING OILS AND GREASES—NAMELY, PENETRATING GRAPHITE AND SPRING OIL. Walter J. Connor, doing business as 1-0-1 Manufacturing Company, Minneapolis, Minn.
Filed February 10, 1927. Serial No. 244,138. PUBLISHED JUNE 7, 1927. Class 15.

231,475. ARTIFICIAL BAITS. The Creek Chub Bait Co., Garrett, Ind.
Filed February 12, 1927. Serial No. 244,291. PUBLISHED MAY 24, 1927. Class 22.

231,476. NECKLACES AND BRACELETS. Samstag & Hilder Bros., Inc., New York, N. Y.
Filed March 23, 1926. Serial No. 229,057. PUBLISHED JUNE 7, 1927. Class 28.

231,477. BREAD. Continental Baking Co., Inc., New York, N. Y.
Filed March 19, 1927. Serial No. 246,016. PUBLISHED MAY 31, 1927. Class 46.

231,478. MONTHLY MAGAZINE. The New South Publishing Co., Chattanooga, Tenn.
Filed March 19, 1927. Serial No. 246,045. PUBLISHED MAY 31, 1927. Class 38.

231,479. SHEET MUSIC. Villa Moret, Inc., San Francisco, Calif.
Filed March 19, 1927. Serial No. 246,057. PUBLISHED JUNE 7, 1927. Class 38.

231,480. WHEAT FLOUR. Washburn Crosby Company, Minneapolis, Minn.
Filed March 19, 1927. Serial No. 246,059. PUBLISHED MAY 31, 1927. Class 46.

231,481. WHEAT FLOUR, GRAHAM FLOUR, RYE FLOUR, CORN MEAL, AND CORN GRITS. Texas Star Flour Mills, Galveston, Tex.
Filed March 21, 1927. Serial No. 246,133. PUBLISHED MAY 31, 1927. Class 46.

231,482. BRIDGE DIARY. Ace Bridge Diary Syndicate, New York, N. Y.
Filed March 22, 1927. Serial No. 246,143. PUBLISHED JUNE 7, 1927. Class 37.

231,483. MONTHLY POULTRY PUBLICATIONS. The National Poultry Institute, Inc., Washington, D. C.
Filed March 22, 1927. Serial No. 246,174. PUBLISHED JUNE 7, 1927. Class 38.

231,484. WHEAT FLOUR. The Southwestern Milling Company, Inc., New York, N. Y.
Filed March 22, 1927. Serial No. 246,182. PUBLISHED MAY 31, 1927. Class 46.

231,485. SHEET MUSIC. Villa Moret, Inc., San Francisco, Calif.
Filed March 22, 1927. Serial No. 246,184. PUBLISHED JUNE 7, 1927. Class 38.

231,486. SEMIANNUAL PUBLICATION. Radio Dealer Publishing Co., Inc., New York, N. Y.
Filed March 23, 1927. Serial No. 246,225. PUBLISHED MAY 31, 1927. Class 38.

231,487. MASS-MOLDING COMPOSITION WITH PYROXYLIN BASE. Du Pont Viscoloid Company, New York, N. Y.
Filed March 26, 1927. Serial No. 246,396. PUBLISHED MAY 31, 1927. Class 1.

231,488. COAL EXCEPTING SMITHING COAL. Pittsburgh Coal Company, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,430. PUBLISHED MAY 31, 1927. Class 1.

231,489. COAL EXCEPTING SMITHING COAL. Pittsburgh Coal Company, Pittsburgh, Pa.
Filed March 26, 1927. Serial No. 246,431. PUBLISHED MAY 31, 1927. Class 1.

231,490. BREAD, ROLLS, AND CAKE. Dugan Brothers, Inc., Brooklyn, N. Y.
Filed March 28, 1927. Serial No. 246,470. PUBLISHED MAY 31, 1927. Class 46.

231,491. DAILY NEWSPAPER. Carter Publications, Inc., Fort Worth, Tex.
Filed March 29, 1927. Serial No. 246,528. PUBLISHED MAY 31, 1927. Class 38.

231,492. FOUNTAIN PEN, ROLLER BLOTTERS, AND FOUNTAIN-PEN PARTS. Hartline Blotter Pen Co., Inc., Tampa, Fla.
Filed March 30, 1927. Serial No. 246,610. PUBLISHED JUNE 7, 1927. Class 37.

231,493. TENTS AND TENT STRUCTURES. C. J. Hoggaard Company, Minneapolis, Minn.
Filed March 30, 1927. Serial No. 246,611. PUBLISHED MAY 31, 1927. Class 50.

231,494. MONTHLY PUBLICATION. Thrilling Tales, Inc., New York, N. Y.
Filed April 1, 1927. Serial No. 246,784. PUBLISHED JUNE 7, 1927. Class 38.

231,495. PREPARED POULTRY FOOD. The Seymour Packing Company, Topeka, Kans.
Filed April 2, 1927. Serial No. 246,855. PUBLISHED June 7, 1927. Class 46.

231,496. PERIODICAL. Edward G. Lenzner, doing business as Oil Field Engineering Co., Los Angeles, Calif.
Filed April 4, 1927. Serial No. 246,914. PUBLISHED MAY 31, 1927. Class 38.

231,497. SALVE FOR ECZEMA AND KINDRED SKIN DISEASES. Alice H. Spare, Philadelphia, Pa.
Filed March 2, 1927. Serial No. 245,114. PUBLISHED JUNE 7, 1927. Class 6.

231,498. PHARMACEUTICAL SUBSTANCES—NAMELY, RECTAL SUPPOSITORIES. Société Belge des Produits Rationnels Société Anonyme Ahin Lez-Huy, Ahin, near Huy, Belgium.
Filed March 3, 1927. Serial No. 245,165. PUBLISHED MAY 31, 1927. Class 6.

231,499. MEDICINE FOR DEAFNESS. Demitrios F. Kalogerakos, New York, N. Y.
Filed March 11, 1927. Serial No. 245,561. PUBLISHED JUNE 7, 1927. Class 6.

231,500. CHEMICAL CLEANER FOR REMOVING CREOSOTE, ALPHALT, TAR, FUEL, AND CRUDE OILS AND OTHER GUMMED SURFACES. Verne J. Todd, doing business as Moval Products Co., Seattle, Wash.
Filed March 12, 1927. Serial No. 245,669. PUBLISHED MAY 24, 1927. Class 6.

231,501. ASH CANS, GARBAGE CANS, OIL CANS, AND WATER PAILS, ALL MADE OF GALVANIZED SHEETS. National Enameling and Stamping Company, Milwaukee, Wis.
Filed March 14, 1927. Serial No. 245,744. PUBLISHED JUNE 14, 1927. Class 2.

231,502. CHEWING GUM. Wm. Wrigley Jr. Company, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,773. PUBLISHED JUNE 14, 1927. Class 46.

231,503. CANNED VEGETABLES, FRUITS, BERRIES, SALMON, ETC. Baker Brothers Company, Streator, Ill.
Filed March 16, 1927. Serial No. 245,826. PUBLISHED MAY 31, 1927. Class 46.

231,504. NONCLOGGING RADIATOR LIQUID TO BE USED FOR MENDING LEAKS IN AUTOMOBILE RADIATORS. Philip E. Helmer, Pinconning, Mich.
Filed March 17, 1927. Serial No. 245,908. PUBLISHED MAY 24, 1927. Class 6.

231,505. KEROSENE, GASOLINE, LUBRICATING OILS, AND GREASES. Cities Service Oil Company, Cleveland, Ohio.
Filed February 17, 1927. Serial No. 244,493. PUBLISHED JUNE 14, 1927. Class 15.

231,506. WATCHES. S. Brunen Inc., New York, N. Y.
Filed February 19, 1927. Serial No. 244,601. PUBLISHED JUNE 7, 1927. Class 27.

231,507. WHEAT FLOUR. Texas Star Flour Mills, Galveston, Tex.
Filed January 15, 1927. Serial No. 242,926. PUBLISHED MAY 31, 1927. Class 46.

231,508. REFRACTORY MATERIALS—NAMELY, AMORPHOUS SILICON CARBIDE. The Exolon Company, Blasdell, N. Y.
Filed January 24, 1927. Serial No. 243,257. PUBLISHED MAY 24, 1927. Class 12.

231,509. LUMBER, WOODWORK, AND LATH. Western Pine Manufacturers Association, Portland, Oreg.
Filed January 25, 1927. Serial No. 243,334. PUBLISHED JUNE 7, 1927. Class 12.

231,510. ROOFING MATERIAL—NAMELY, SHEATHING. The Continental Roofing & Manufacturing Co., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,047. PUBLISHED MAY 24, 1927. Class 12.

231,511. ROOFING MATERIALS—NAMELY, ASPHALT ASBESTOS PLASTIC CEMENT, ASPHALT LIQUID ASBESTOS FIBER COATING, ASPHALT FELT AND ASPHALT SHEATHING AND SLATERS' FELT. The Continental Roofing & Manufacturing Co., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,052. PUBLISHED MAY 24, 1927. Class 12.

231,512. ROOFING MATERIAL—NAMELY, GREEN MINERAL-SURFACED ROOFING. The Continental Roofing & Manufacturing Co., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,053. PUBLISHED MAY 24, 1927. Class 12.

231,513. ASPHALT ROOFING MATERIAL. The Continental Roofing & Manufacturing Co., Baltimore, Md.
Filed February 9, 1927. Serial No. 244,054. PUBLISHED MAY 24, 1927. Class 12.

231,514. COLORED AND PASTEL CRAYONS IN PIECES AND RODS. Vereinigte Farben- & Lackfabriken, Munich, Germany.
Filed February 11, 1927. Serial No. 244,252. PUBLISHED JUNE 7, 1927. Class 37.

231,515. FINELY-DIVIDED GYPSUM. The Atlas Gypsum Corporation, New York, N. Y.
Filed February 12, 1927. Serial No. 244,270. PUBLISHED MAY 17, 1927. Class 12.

231,516. TENTS. Henrix-Lubbbert Mfg. Co. Inc., San Francisco, Calif.
Filed February 21, 1927. Serial No. 244,698. PUBLISHED MAY 24, 1927. Class 50.

231,517. ELECTROTYPES, NICKEL TYPES, MATRICES, MULTIGRAPH PLATES, AND STEREOTYPES. The Syracuse Electrotyping Co., Syracuse, N. Y.
Filed February 21, 1927. Serial No. 244,729. PUBLISHED MAY 24, 1927. Class 50.

231,518. MUSH. Dean C. Jackson, Los Angeles, Calif.
Filed February 23, 1927. Serial No. 244,772. PUBLISHED MAY 31, 1927. Class 46.

231,519. CEMENT FOR USE IN CONCRETE CONSTRUCTION. Aktieselskabet Aalborg Portland-Cement Fabrik, Rordal Pr. Aalborg, Jutland, Denmark.
Filed March 3, 1927. Serial No. 245,132. PUBLISHED JUNE 7, 1927. Class 12.

231,520. FLAVORING EXTRACTS FOR FOOD FLAVORING. J. F. Lazier Manufacturing Co., St. Louis, Mo.
Filed March 17, 1927. Serial No. 245,913. PUBLISHED MAY 31, 1927. Class 46.

231,521. PERFUMES AND PERFUME SACHETS, ROUGE, LIP STICKS, FACE POWDER, TOILET CREAM, TOILET WATER, POWDER AND ROUGE COMPACTS, EYEBROW PENCILS, BATH SALTS, AND BRILLIANTINE. Marshall Field & Company, Chicago, Ill.
Filed March 18, 1927. Serial No. 245,966. PUBLISHED JUNE 7, 1927. Class 6.

231,522. PERFUMES AND PERFUME SACHETS, ROUGE, LIP STICKS, FACE POWDER, TOILET CREAM, TOILET WATER, POWDER AND ROUGE COMPACTS, EYEBROW PENCILS, BATH SALTS, AND BRILLIANTINE. Marshall Field & Company, Chicago, Ill.
Filed March 18, 1927. Serial No. 245,971. PUBLISHED JUNE 7, 1927. Class 6.

231,523. MEDICATED CHEWING GUM CONTAINING MAGNESIA. Magnesia Products Inc., Atlanta, Ga.
Filed March 18, 1927. Serial No. 245,995. PUBLISHED MAY 24, 1927. Class 6.

231,524. MOUTH WASH AND DENTAL PASTES. SOLOMON J. MUROFF, doing business as The Muroco Hygiene Co., Brooklyn, N. Y.
Filed March 18, 1927. Serial No. 245,998. PUBLISHED MAY 31, 1927. Class 6.

231,525. LINIMENT FOR THE TREATMENT OF BRUISES, CUTS, SORES, CANCER, ECZEMA, AND OTHER SKIN DISEASES. J. F. BINGHAM, Sioux Falls, S. Dak.
Filed March 21, 1927. Serial No. 246,066. PUBLISHED MAY 31, 1927. Class 6.

231,526. OLIVE OIL. GISBERTO GRANUCCI, San Francisco, Calif.
Filed March 19, 1927. Serial No. 246,025. PUBLISHED MAY 31, 1927. Class 46.

231,527. PREPARATION FOR REMOVING DANDRUFF, SHAMPOO, HAIR TONIC, HAIRDRESSING PREPARATION, AFTER-SHAVE LOTION, TALCUM AND FACE POWDER, AND FACE CREAM. DAVEX CORPORATION, New York, N. Y.
Filed March 21, 1927. Serial No. 246,083. PUBLISHED MAY 24, 1927. Class 6.

231,528. PREPARATION FOR REMOVING DANDRUFF, SHAMPOO, HAIR TONIC, HAIRDRESSING PREPARATION, AFTER-SHAVE LOTION, TALCUM AND FACE POWDER, AND FACE CREAM. DAVEX CORPORATION, New York, N. Y.
Filed March 21, 1927. Serial No. 246,084. PUBLISHED MAY 24, 1927. Class 6.

231,529. A LUNG COMPOUND FOR THE TREATMENT OF CONSUMPTION, COUGHS, COLDS, CROUP, AND ALL KINDS OF LUNG TROUBLE. ROCH PELLETIER, Eagle Lake, Me.
Filed March 21, 1927. Serial No. 246,117. PUBLISHED JUNE 14, 1927. Class 6.

231,530. PROPHYLACTIC PREPARATIONS. ORVALL SMILEY, Indianapolis, Ind.
Filed March 21, 1927. Serial No. 246,130. PUBLISHED MAY 24, 1927. Class 6.

231,531. CANDIES IN THE FORM OF CARAMELS. KISSS BROTHERS COMPANY, Springfield, Mass.
Filed March 22, 1927. Serial No. 246,164. PUBLISHED JUNE 14, 1927. Class 46.

231,532. PUBLICATION ISSUED AND TO BE ISSUED IN SECTIONS AND DEALING MORE PARTICULARLY WITH ADMINISTRATION PROBLEMS OF CORPORATIONS. THE ENGINEERING MAGAZINE COMPANY, New York, N. Y.
Filed March 5, 1924. Serial No. 193,276. PUBLISHED MAY 31, 1927. Class 38.

231,533. TOILET PAPER. ARTHUR WALDO LOVEJOY, Lowell, Mass.
Filed June 6, 1925. Serial No. 215,413. PUBLISHED MAY 31, 1927. Class 37.

231,534. BUTTER, EGGS, AND FRESH MILK. PROVIDENCE PUBLIC MARKET CO., Providence, R. I.
Filed August 11, 1925. Serial No. 218,717. PUBLISHED JUNE 7, 1927. Class 46.

231,535. PORTLAND CEMENT. MICHIGAN ALKALI COMPANY, Wyandotte, Mich.
Filed October 8, 1925. Serial No. 221,427. PUBLISHED MARCH 8, 1927. Class 12.

231,536. CANNED FRUITS—NAMELY, PEARS; CANNED VEGETABLES—NAMELY, PUMPKIN; DRIED FRUIT—NAMELY, PEACHES, APPLES, AND PRUNES; CANNED BLACKBERRIES, CANNED SALMON, AND WALNUTS IN THEIR NATURAL STATE. ROBT. C. PAULUS & CO., Salem, Oreg.
Filed March 12, 1926. Serial No. 228,557. PUBLISHED MARCH 29, 1927. Class 46.

231,537. LEATHER FOR SHOE SOLES. ALPENA LEATHER CORPORATION, Alpena, Mich.
Filed March 5, 1927. Serial No. 245,240. PUBLISHED JUNE 7, 1927. Class 1.

231,538. COAL. CONSUMERS COMPANY, Chicago, Ill.
Filed March 11, 1927. Serial No. 245,534. PUBLISHED JUNE 7, 1927. Class 1.

231,539. EGGS. ROSS M. WEBER, Chicago, Ill.
Filed March 11, 1927. Serial No. 245,603. PUBLISHED MAY 31, 1927. Class 46.

231,540. CANNED FRUITS AND BERRIES, PEANUTS, WHEAT FLOUR, AND DRIED FRUITS. THE WILCOX-HAYES CO., Portland, Oreg.
Filed March 12, 1927. Serial No. 245,678. PUBLISHED JUNE 7, 1927. Class 46.

231,541. LOGS. WILLIAM L. KANN, Pittsburgh, Pa.
Filed March 14, 1927. Serial No. 245,721. PUBLISHED JUNE 7, 1927. Class 1.

231,542. PERIODICAL PUBLICATION. THE LITERARY GUILD OF AMERICA, INC., New York, N. Y.
Filed March 14, 1927. Serial No. 245,734. PUBLISHED JUNE 7, 1927. Class 38.

231,543. NUT KERNELS IN THE NATURAL STATE FOR FOOD. GILL & DUFFUS, London, England.
Filed March 16, 1927. Serial No. 245,836. PUBLISHED MAY 31, 1927. Class 46.

231,544. LEATHER. THE GRIESS PFLEGER TANNING COMPANY, Cincinnati, Ohio.
Filed April 22, 1926. Serial No. 230,538. PUBLISHED JUNE 7, 1927. Class 1.

231,545. GIFT MOTTOES. THE BUZZA COMPANY, Minneapolis, Minn.
Filed July 10, 1926. Serial No. 234,370. PUBLISHED JUNE 7, 1927. Class 38.

231,546. GIFT MOTTOES. THE BUZZA COMPANY, Minneapolis, Minn.
Filed July 10, 1926. Serial No. 234,378. PUBLISHED MAY 31, 1927. Class 38.

231,547. GIFT MOTTOES. THE BUZZA COMPANY, Minneapolis, Minn.
Filed July 10, 1926. Serial No. 234,376. PUBLISHED MAY 31, 1927. Class 38.

231,548. NOUGATS, SWEETS OF ALL KINDS, PRESERVES IN GENERAL, AND FRUITS IN SIRUP. HIJOS OF ANTONIO ESTEVA Y OLIVER, Palma de Mallorca, Spain.
Filed October 23, 1926. Serial No. 239,108. PUBLISHED MAY 31, 1927. Class 46.

231,549. CANNED WHEAT. THE DR. BRENT'S NATURE FOOD CO. INC., Portland, Oreg.
Filed November 29, 1926. Serial No. 240,696. PUBLISHED JUNE 7, 1927. Class 46.

231,550. COUNTRY FLOURING MILLS PRODUCTS—NAMELY, CORN, OATS, COTTONSEED, LINSEED, BRAN, MIDDLINGS, WHEAT, DAIRY FEEDS, SALVAGE GRAIN, MANUFACTURED FROM WHEAT, OATS, RYE, BARLEY, CORN, BUCKWHEAT, COTTONSEED, AND POTATOES. WHITE BROTHERS, Scotts, Mich.
Filed December 2, 1926. Serial No. 240,895. PUBLISHED JUNE 7, 1927. Class 46.

231,551. LITHOGRAPHS AND HALFTONE PHOTOLITHOGRAPHS. EDWARDS & DEUTSCH LITHOGRAPHING COMPANY, Chicago, Ill.
Filed December 9, 1926. Serial No. 241,204. PUBLISHED MAY 31, 1927. Class 38.

231,552. FLOOR TILE. A/S SANO, Copenhagen, Denmark.
Filed December 31, 1926. Serial No. 242,220. PUBLISHED JUNE 7, 1927. Class 12.

231,553. TALC. PACIFIC COAST TALC COMPANY, Los Angeles, Calif.
Filed December 31, 1926. Serial No. 242,246. PUBLISHED MAY 24, 1927. Class 1.

231,554. TALC. PACIFIC COAST TALC COMPANY, Los Angeles, Calif.
Filed December 31, 1926. Serial No. 242,248. PUBLISHED MAY 24, 1927. Class 1.

231,555. TALC. PACIFIC COAST TALC COMPANY, Los Angeles, Calif.
Filed December 31, 1926. Serial No. 242,249. PUBLISHED MAY 24, 1927. Class 1.

231,556. COAL EXCEPT SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed January 3, 1927. Serial No. 242,809. PUBLISHED MAY 17, 1927. Class 1.

231,557. COAL EXCEPT SMITHING COAL. PITTSBURGH COAL COMPANY, Pittsburgh, Pa.
Filed January 3, 1927. Serial No. 242,810. PUBLISHED MAY 17, 1927. Class 1.

231,558. BREAD. BECK'S BAKING CORPORATION, Winchester, Va.
Filed January 10, 1927. Serial No. 242,565. PUBLISHED JUNE 7, 1927. Class 46.

231,559. LUBRICATING OILS AND GREASES. THE UNITED STATES GASOLINE CORP., Denver, Colo.
Filed June 19, 1926. Serial No. 232,516. PUBLISHED MAY 31, 1927. Class 15.

231,560. PEARLS, PEARL NECKLACES, BROOCHES, BARPINS, PINS FOR DRESS ORNAMENTS MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL, ORNAMENTAL HATPINS, ORNAMENTAL PINS AND BUCKLES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL FOR DECORATING HATS, ORNAMENTAL SHOE BUCKLES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL NECKLACES, BEAD NECKLACES, BRACELETS, EARRINGS, HAIR ORNAMENTS MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL, AND FINGER RINGS. COHN & ROSENBERGER, INC., New York, N. Y.
Filed July 7, 1926. Serial No. 234,253. PUBLISHED JUNE 7, 1927. Class 28.

231,561. CLOCKS. WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn.
Filed September 1, 1926. Serial No. 236,748. PUBLISHED JUNE 7, 1927. Class 27.

231,562. BEDDING—NAMELY, BED COMFORTERS. SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif.
Filed October 14, 1926. Serial No. 238,622. PUBLISHED MAY 10, 1927. Class 42.

231,563. WATCHES AND PARTS THEREOF. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed October 20, 1926. Serial No. 238,928. PUBLISHED MAY 31, 1927. Class 27.

231,564. LUBRICATING OILS. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo.
Filed October 22, 1926. Serial No. 239,062. PUBLISHED JUNE 7, 1927. Class 15.

231,565. PHONOGRAPHS, TALKING MACHINES, PHONOGRAPH AND TALKING-MACHINE RECORDS, AUTOMATIC PIANOS, AUTOMATIC ORGANS, AND MUSIC ROLLS FOR AUTOMATIC PIANOS AND ORGANS. HUSTON RAY, New York, N. Y.
Filed November 27, 1926. Serial No. 240,680. PUBLISHED MAY 31, 1927. Class 36.

231,566. PHONOGRAPHS, TALKING MACHINES, PHONOGRAPH AND TALKING-MACHINE RECORDS, AUTOMATIC PIANOS, AUTOMATIC ORGANS, AND MUSIC ROLLS FOR AUTOMATIC PIANOS AND ORGANS. HUSTON RAY, New York, N. Y.
Filed November 27, 1926. Serial No. 240,681. PUBLISHED MAY 31, 1927. Class 36.

231,567. PERFUME IN A CONCENTRATED OR SOLID FORM HAVING A HIGHER PERCENTAGE OF ESSENTIAL OILS THAN IS FOUND IN LIQUID PERFUME. RICHARD HUDNUT, New York, N. Y.
Filed January 4, 1927. Serial No. 242,867. PUBLISHED MARCH 1, 1927. Class 6.

231,568. LUBRICATING OILS AND GREASES. W. H. BARBER COMPANY, Minneapolis, Minn.
Filed January 7, 1927. Serial No. 242,468. PUBLISHED JUNE 7, 1927. Class 15.

231,569. PREPARATION FOR THE TREATMENT OF RHEUMATISM, INTENDED FOR INTERNAL USE. ROSENAL CORPORATION, St. Louis, Mo.
Filed April 6, 1927. Serial No. 247,042. PUBLISHED JUNE 7, 1927. Class 6.

231,570. FLOTATION REAGENTS FOR USE IN THE CONCENTRATION OF MINERALS. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed April 7, 1927. Serial No. 247,067. PUBLISHED MAY 31, 1927. Class 6.

231,571. RIVETS INCLUDING PLAIN, SOLID, SLOTTED, PRONGED BIFURCATED, OR TUBULAR. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed April 5, 1927. Serial No. 246,962. PUBLISHED JUNE 14, 1927. Class 13.

231,572. RIVETS INCLUDING PLAIN, SOLID, SLOTTED, PRONGED BIFURCATED, OR TUBULAR. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed April 5, 1927. Serial No. 246,963. PUBLISHED JUNE 14, 1927. Class 13.

231,573. RIVETS INCLUDING PLAIN, SOLID, SLOTTED, PRONGED, BIFURCATED, OR TUBULAR. CRESCENT BELT FASTENER COMPANY, New York, N. Y.
Filed April 5, 1927. Serial No. 246,964. PUBLISHED JUNE 14, 1927. Class 13.

231,574. SAUSAGE, BACON, HAM, AND DRIED BEEF. GUGGENHEIM BROS., Chicago, Ill.
Filed April 6, 1927. Serial No. 247,020. PUBLISHED JUNE 14, 1927. Class 46.

231,575. LAXATIVES. HAYDN L. FISCHER, doing business as Sugar Products Co., Not Inc., Kewanee, and Chicago, Ill.
Filed April 2, 1927. Serial No. 246,824. PUBLISHED MAY 31, 1927. Class 6.

231,576. TRAILERS, GRAVITY DUMPS, DUMP BODIES, AXLES, BRAKES, WHEELS, WHEEL BANDS, VEHICLE SPRINGS, BUS BODIES, TRUCK TANKS, AND DUMP CARTS, ALL OF VEHICULAR CHARACTER. GABE-STULL COMPANY, Chester, Pa.
Filed April 2, 1927. Serial No. 246,829. PUBLISHED JUNE 14, 1927. Class 19.

231,577. HAIR POMADE. ALPHONSE RICCULOT, New York, N. Y.
Filed April 4, 1927. Serial No. 246,983. PUBLISHED JUNE 7, 1927. Class 6.

231,578. GRASS STIMULANTS. THE BAYER COMPANY, Inc., New York, N. Y.
Filed April 5, 1927. Serial No. 246,949. PUBLISHED JUNE 14, 1927. Class 10.

231,579. PLANT DISINFECTANT. THE BAYER COMPANY, INC., New York, N. Y.
Filed April 12, 1927. Serial No. 247,207. PUBLISHED JUNE 7, 1927. Class 6.

231,580. BASIN COCKS, BATH COCKS, BIBS, SOLDERING NIPPLES, LAVATORIES, BATHTUBS, AND TOILETS. AIRO-DON COMPANY, Troy, N. Y.
Filed March 26, 1927. Serial No. 246,321. PUBLISHED JUNE 14, 1927. Class 13.

231,581. FACE CREAMS, FACE POWDERS, TOILET WATER, PERFUMES, AND SKIN LOTIONS. CHARLES WILLIAM HOPPE, Buffalo, N. Y.
Filed April 12, 1927. Serial No. 247,218. PUBLISHED JUNE 7, 1927. Class 6.

231,582. FROZEN PRODUCTS SIMILAR TO ICE CREAM. LAS-KON-ICE, INC., Reno, Nev.
Filed April 12, 1927. Serial No. 247,233. PUBLISHED MAY 31, 1927. Class 46.

231,583. FLOTATION REAGENTS FOR USE IN THE CONCENTRATION OF MINERALS. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed April 7, 1927. Serial No. 247,058. PUBLISHED MAY 31, 1927. Class 6.

231,584. BANANAS IN THEIR NATURAL STATE. IRWIN R. BUTZBACH, South Bend, Ind.
Filed April 7, 1927. Serial No. 247,064. PUBLISHED JUNE 14, 1927. Class 46.

231,585. PREPARATION FOR USE IN TREATING VARICOSE ULCERS. HEMAN J. WHITTIER, Kansas City, Mo.
Filed April 7, 1927. Serial No. 247,110. PUBLISHED JUNE 7, 1927. Class 6.

231,586. A TABLET OF HEXAMETHYLENAMINE WHICH WHEN LIGHTED BURNS. IT IS TO BE USED TO HEAT A LIQUID IN A URINE-TESTING OUTFIT. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed April 8, 1927. Serial No. 247,135. PUBLISHED JUNE 7, 1927. Class 6.

231,587. TANK BULBS, UNION WASHERS, FORCE CUPS, SINK GASKETS, SLIP-JOINT WASHERS, AND BIB WASHERS. LEADER SPECIALTY CO., INC., Indianapolis, Ind.
Filed April 9, 1927. Serial No. 247,191. PUBLISHED JUNE 14, 1927. Class 13.

231,588. MEDICINES FOR DYSPEPSIA AND CONSTIPATION. K. D. C. COMPANY, LIMITED, New Glasgow, Nova Scotia, Canada.
Filed April 11, 1927. Serial No. 247,273. PUBLISHED JUNE 7, 1927. Class 6.

231,589. BREAD, CAKES, AND ROLLS. OLD COLONY BAKERY INC., Buffalo, N. Y.
Filed April 4, 1927. Serial No. 246,925. PUBLISHED JUNE 7, 1927. Class 46.

231,590. MANUSCRIPT-MUSIC PAPER. CARL FISCHER, INC., New York, N. Y.
Filed April 4, 1927. Serial No. 246,946. PUBLISHED JUNE 7, 1927. Class 37.

231,591. PERIODICAL ISSUED BIMONTHLY. CARLTON MILLS, INC., New York, N. Y.
Filed April 7, 1927. Serial No. 247,066. PUBLISHED MAY 31, 1927. Class 38.

231,592. WEEKLY PUBLICATION. DAVID GORDON, doing business as National News Review, Inc., Cleveland, Ohio.
Filed April 9, 1927. Serial No. 247,183. PUBLISHED JUNE 7, 1927. Class 38.

231,593. MONTHLY MAGAZINE. SHERMAN A. PADDOCK, doing business as Country Club Magazine Pub. Co., Los Angeles, Calif.
Filed April 9, 1927. Serial No. 247,205. PUBLISHED JUNE 7, 1927. Class 38.

231,594. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed April 16, 1927. Serial No. 247,545. PUBLISHED JUNE 7, 1927. Class 38.

231,595. BREAD. SMITH'S BAKERY, INC., Mobile, Ala.
Filed April 16, 1927. Serial No. 247,576. PUBLISHED MAY 31, 1927. Class 46.

231,596. FABRIC WITHOUT WARP OR WOOF WHOSE BASE IS COTTON MIXED WITH A CHEMICAL COMPOUND. NINA L. DURYEA, New York, N. Y.
Filed April 19, 1927. Serial No. 247,677. PUBLISHED JUNE 7, 1927. Class 37.

231,597. DEVICES FOR MOISTENING AND/OR SERVING ADHESIVE OR GUMMED TAPE, LABELS, AND THE LIKE STRIP MATERIAL, PARTICULARLY FOR USE ON COUNTERS, DESKS, ETC., FOR PACKAGE SEALING AND LABELING PURPOSES. NASHUA PACKAGE SEALING CO. INC., Nashua, N. H.
Filed April 21, 1927. Serial No. 247,809. PUBLISHED MAY 31, 1927. Class 37.

231,598. DAIRY FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,852. PUBLISHED MAY 31, 1927. Class 46.

231,599. TOILET PAPER. UNIVERSAL CREPE & TISSUE MILLS, INC., New York, N. Y.
Filed April 19, 1927. Serial No. 247,718. PUBLISHED MAY 31, 1927. Class 37.

231,600. HORSE FEED AND MULE FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed April 22, 1927. Serial No. 247,854. PUBLISHED MAY 31, 1927. Class 46.

231,601. GAME APPARATUS CONSISTING OF A BASE OF CARDBOARD OR THE LIKE PRINTED IN IMITATION OF A FACE HAVING APERTURES AT INTERVALS THEREIN, A BALL, BUTTON, OR THE LIKE ADAPTED TO PASS THROUGH SAID APERTURES, AND AN ELASTIC MEMBER CONNECTING SAID BALL TO SAID BASE SO THAT WHEN THE BALL IS MOVED AWAY FROM THE BASE AND THEN RELEASED IT WILL BE DRAWN BACK BY THE SAID ELASTIC MEMBER, SOMETIMES PASSING THROUGH ONE OF SAID APERTURES. BEE JAY PRODUCTS CO., INC., New York, N. Y.
Filed April 22, 1926. Serial No. 230,513. PUBLISHED JUNE 7, 1927. Class 22.

231,602. COD-LIVER OIL. PETER MÖLLER A/S, Oslo, Norway.
Filed January 4, 1927. Serial No. 242,347. PUBLISHED MAY 24, 1927. Class 6.

231,603. PIES. THE ORIOLE INC., Wellesley, Mass.
Filed December 23, 1926. Serial No. 241,896. PUBLISHED JUNE 7, 1927. Class 46.

231,604. PREPARATION FOR THE TREATMENT OF LEUCORRHEA (WHITES), PAINFUL MENSTRUATION, AND OTHER FEMALE TROUBLES. CALVIN B. WILLIAMS, Philadelphia, Pa.
Filed January 5, 1927. Serial No. 242,403. PUBLISHED MAY 24, 1927. Class 6.

231,605. CHARIOTS, GOCARTS, STROLLERS, PERAMBULATORS, AND PRAMS. BEST & CO., INC., New York, N. Y.
Filed January 7, 1927. Serial No. 242,470. PUBLISHED JUNE 14, 1927. Class 19.

231,606. FRESH FRUITS AND FRESH VEGETABLES. WEST INDIES FRUIT IMPORTING COMPANY, Chicago, Ill.
Filed January 10, 1927. Serial No. 242,642. PUBLISHED JUNE 14, 1927. Class 46.

231,607. PEANUT BUTTER AND PREPARED MUSTARD BRAN. BAYLE FOOD PRODUCTS CO., St. Louis, Mo.
Filed January 31, 1927. Serial No. 243,580. PUBLISHED MAY 31, 1927. Class 46.

231,608. LIQUID INSECTICIDE SPRAY. WESTERN CHEMICAL COMPANY, St. Joseph, Mo.
Filed February 5, 1927. Serial No. 243,902. PUBLISHED MAY 24, 1927. Class 6.

231,609. A PRODUCT FORMED OF A COMBINATION OF POWDERS FOR MAKING DRINKING WATER RICH IN LITHIUM CONTENT, GASEOUS, AND AGREEABLE TO THE TASTE. MAISON A. GAZZONI & COMPANIA, Bologna, Italy.
Filed February 7, 1927. Serial No. 243,937. PUBLISHED MAY 24, 1927. Class 6.

231,610. DENTAL POWDER. FRANCIS M. LINDERSMITH, doing business as F. M. Lindersmith Chemical Company, Spokane, Wash.
Filed February 7, 1927. Serial No. 243,956. PUBLISHED MAY 31, 1927. Class 6.

231,611. FACE CREAMS, REDUCING CREAMS, ROUGES, BRILLIANTINES, FACE POWDERS, DEPILATORIES, BATH SALTS, AND POWDER BASE. MABEL S. LOEWENTHAL, Chicago, Ill.
Filed February 7, 1927. Serial No. 243,957. PUBLISHED JUNE 7, 1927. Class 6.

231,612. PREPARATION FOR USE IN THE TREATMENT OF POISON-OAK INFECTIONS, ERYSIPELAS, BLOOD POISON, AND SNAKE BITE. A. M. NULL, Memphis, Tenn.
Filed February 8, 1927. Serial No. 244,021. PUBLISHED MAY 31, 1927. Class 6.

231,613. COFFEE. NATIONAL GROCERY COMPANY, Jersey City, N. J.
Filed February 9, 1927. Serial No. 244,068. PUBLISHED JUNE 14, 1927. Class 46.

231,614. CANDY. LOFT, INC., New York, N. Y.
Filed February 10, 1927. Serial No. 244,162. PUBLISHED JUNE 14, 1927. Class 46.

231,615. SPICES AND COCOA. NAAMLOOZE VENNOOTSCHAP EXPORT- EN IMPORTMAATSCHAPPIJ ALBERTO ADERS & Co., The Hague, Netherlands.
Filed February 16, 1927. Serial No. 244,462. PUBLISHED MAY 31, 1927. Class 46.

231,616. PREPARATION FOR USE IN THE TREATMENT OF COLDS, LA GRIPPE, AND INFLUENZA. W. E. BESS, Sedalia, Mo.
Filed February 25, 1927. Serial No. 244,848. PUBLISHED MAY 24, 1927. Class 6.

231,617. STRIPS OF TREE BARK, SMALL PIECES THEREOF, GROUND BARK IN POWDER FORM, AND BARK EXTRACT FOR TANNING PURPOSES. THE NATAL TANNING EXTRACT COMPANY LIMITED, London, England.
Filed February 26, 1927. Serial No. 244,948. PUBLISHED JUNE 14, 1927. Class 6.

231,618. HYDRAULIC CEMENT. ASH GROVE LIME & PORTLAND CEMENT CO., Kansas City, Mo.
Filed February 28, 1927. Serial No. 244,971. PUBLISHED MAY 24, 1927. Class 12.

231,619. ROUGE, LIP STICK, AND FACE POWDER. RICHARD HUDNUT, New York, N. Y.
Filed May 12, 1927. Serial No. 246,905. PUBLISHED JUNE 21, 1927. Class 6.

231,620. PERFUMES. LIONEL TRADING CO. INC., New York, N. Y.
Filed December 15, 1922. Serial No. 173,513. PUBLISHED MAY 24, 1927. Class 6.

231,621. AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed March 14, 1925. Serial No. 211,012. PUBLISHED MAY 31, 1927. Class 42.

231,622. VINEGAR. ROANOKE APPLE PRODUCTS CO., Roanoke, Va.
Filed August 12, 1925. Serial No. 218,778. PUBLISHED MAY 10, 1927. Class 46.

231,623. RUBBER SOLING MATERIALS. JACOB C. SCHACHET, Denver, Colo.
Filed September 8, 1925. Serial No. 219,994. PUBLISHED JANUARY 12, 1926. Class 1.

231,624. CHAINS FOR USE ON MOTOR FRONT ENDS, MOTOR DRIVES, AND POWER TRANSMISSIONS OF ALL DESCRIPTIONS. PERFECTION GEAR COMPANY, Chicago, Ill.
Filed January 29, 1926. Serial No. 226,600. PUBLISHED JUNE 14, 1927. Class 13.

231,625. CONFECTIONS AND SWEETS IN THE FORM OF PASTILES, CANDIES, TABLETS, AND LOZENGES AND MADE OF SACCHARIFEROUS MATTER, WITH OR WITHOUT THE ADDITION OF COCOA, EDIBLE FATS, AND RELISHING SUBSTANCES, GUM ARABIC. AKTIEBOLAGET PASTILL, Gefle, Sweden.
Filed March 8, 1926. Serial No. 228,289. PUBLISHED JUNE 14, 1927. Class 46.

231,626. HAIR TONIC, HAIR POWDER, ASTRINGENT REMEDIES, FACE POWDER, TISSUE CREAM, EYELASH STIMULATOR, NAIL-BLEACH POWDER, WHITENING CREAM, TOILET WATER, PERFUMES, AND FOLLICLE LOTION—VIZ, LIQUID ANTISEPTIC. THE BLISS LABORATORIES, INC., New York, N. Y.
Filed April 1, 1926. Serial No. 229,491. PUBLISHED MAY 31, 1927. Class 6.

231,627. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, LIP STICKS, EYEBROW PENCILS, INCENSES, AND SACHETS. TRUVY, INC., New York, N. Y.
Filed April 3, 1926. Serial No. 229,650. PUBLISHED JUNE 14, 1927. Class 6.

231,628. SKIN LOTIONS. CREME JASMIN COMPANY, Minneapolis, Minn.
Filed May 8, 1926. Serial No. 231,310. PUBLISHED JUNE 14, 1927. Class 6.

231,629. CANNED APPLES, APRICOTS, BLUEBERRIES, CHERRIES, GRAPEFRIUT, ETC. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Me., and Boston, Mass.
Filed May 10, 1926. Serial No. 231,413. PUBLISHED MAY 31, 1927. Class 46.

231,630. INSECTICIDES. EMMA S. TAUFERT, doing business as Paul Taufert Company, St, Paul, Minn.
Filed July 6, 1926. Serial No. 234,236. PUBLISHED MAY 31, 1927. Class 6.

231,631. PEANUTS (ROASTED AND RAW) AND PEANUT BUTTER. H. A. ROBINSON COMPANY, INCORPORATED, Lynchburg, Va.
Filed August 9, 1926. Serial No. 235,753. PUBLISHED MAY 31, 1927. Class 46.

231,632. POWDERED SKIM MILK. BROWN AND BAILEY CONDENSED MILK COMPANY, Brooklyn, N. Y.
Filed August 12, 1926. Serial No. 235,880. PUBLISHED MAY 31, 1927. Class 46.

231,633. FRESH DECIDUOUS FRUITS AND GRAPES. WOODBRIDGE FRUIT COMPANY, Woodbridge, Calif.
Filed September 9, 1926. Serial No. 237,056. PUBLISHED JUNE 14, 1927. Class 46.

231,634. FACE POWDERS, FACE ROUGES, LIP ROUGES, PERFUMES, TOILET WATERS, HAIR TONIC, HAIR COLORING, AND SACHETS. HARRY D. KOENIG, doing business as Harry D. Koenig & Co., New York, N. Y.
Filed September 17, 1926. Serial No. 237,374. PUBLISHED JANUARY 4, 1927. Class 6.

231,635. FRESH APPLES. ROCHE FRUIT & PRODUCE COMPANY, Yakima, Wash.
Filed September 27, 1926. Serial No. 237,821. PUBLISHED JUNE 14, 1927. Class 46.

231,636. CANDY. PLANTERS NUT & CHOCOLATE CO., Wilkes-Barre, Pa.; Suffolk, Va., and San Francisco, Calif.
Filed October 18, 1926. Serial No. 238,806. PUBLISHED JUNE 14, 1927. Class 46.

231,637. MEDICINE FOR THE TREATMENT OF WOMEN'S DISEASES, AND PARTICULARLY FOR AILMENTS OF THE GENERATIVE ORGANS. VICTOR BELANGER, New Bedford, Mass.
Filed October 27, 1926. Serial No. 239,288. PUBLISHD JUNE 7; 1927. Class 6.

231,638. HAIR GROWER. EMMA SMITH, Gary, Ind.
Filed November 5, 1926. Serial No. 239,725. PUBLISHED JUNE 14, 1927. Class 6.

231,639. CHOCOLATE SIRUP OR CONFECTION ADAPTED FOR USE AS A SPREAD OR SAUCE OR FOR MAKING FOOD BEVERAGES, CANDY, CAKE, AND LIKE ARTICLES OF FOOD. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed December 1, 1926. Serial No. 240,906. PUBLISHED MAY 31, 1927. Class 46.

231,640. LACQUERS AND PAINT ENAMELS. H-O LACQUER MFG. CO., Brooklyn, N. Y.
Filed December 2, 1926. Serial No. 240,855. PUBLISHED APRIL 5, 1927. Class 16.

231,641. CANDIES. DOROTHY PRIMROSE, Portland, Oreg.
Filed December 6, 1926. Serial No. 241,179. PUBLISHED JUNE 14, 1927. Class 46.

231,642. AN ADHESIVE COMPOSITION FOR APPLICATION ON DISCOLORED AREAS OR SKIN. THE B AND M MANUFACTURING COMPANY, St. Paul, Minn.
Filed December 13, 1926. Serial No. 241,383. PUBLISHED MAY 24, 1927. Class 6.

231,643. PREPARATIONS MADE FROM FRESH CAMOMILE PREPARED IN THE FORM OF OINTMENT, LIQUID, POWDER; TABLETS FOR THE TREATMENT OF WOUNDS; LIQUIDS WHICH ARE INTRODUCED BY IRRIGATORS, RINSING MEANS, AND AS DISINFECTANTS. CHEMISCH-PHARMAZEUTISCHE A. G. BAD HOMBURG, Bad-Homburg, Germany.
Filed December 23, 1926. Serial No. 241,867. PUBLISHED JUNE 14, 1927. Class 6.

231,644. EMULSION OF MAGNESIA. EPPENBACH, INC., Long Island City, N. Y.
Filed April 21, 1927. Serial No. 247,790. PUBLISHED MAY 31, 1927. Class 6.

231,645. MOTOR TRUCKS. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed April 22, 1927. Serial No. 247,861. PUBLISHED JUNE 14, 1927. Class 19.

231,646. WASHBOARDS. NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich.
Filed April 22, 1927. Serial No. 247,864. PUBLISHED JUNE 14, 1927. Class 24.

231,647. MEDICINAL PREPARATION DESIGNED FOR USE IN THE TREATMENT OF GOITER. NELLIE B. SHEIMPLIN, doing business as The Goitrene Company, Chicago, Ill.
Filed April 22, 1927. Serial No. 247,871. PUBLISHED MAY 31, 1927. Class 6.

231,648. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed April 23, 1927. Serial No. 247,894. PUBLISHED JUNE 14, 1927. Class 46.

231,649. PREPARATION FOR PILES. DOLAN AND HANCOCK, Fort Scott, Kans.
Filed April 25, 1927. Serial No. 247,936. PUBLISHED JUNE 7, 1927. Class 6.

231,650. PERFUME, TOILET WATER, SHAMPOO, FACE CREAM, DEPILATORY, FACE LOTION, FACE POWDER, ROUGE, BATH SALTS, AND BRILLIANTINE. ENTERPRISE CHEMICAL CO., doing business as Maison Marivonne, St. Louis, Mo.
Filed April 25, 1927. Serial No. 247,938. PUBLISHED JUNE 7, 1927. Class 6.

231,651. CANDY. FANNIE MAY CANDY CO. INC., Washington, D. C.
Filed April 28, 1927. Serial No. 248,094. PUBLISHED JUNE 14, 1927. Class 46.

231,652. PERFUMES. ALFRED MARTORY, Paris, France.
Filed April 28, 1927. Serial No. 248,109. PUBLISHED JUNE 7, 1927. Class 6.

231,653. PERFUMES. ALFRED MARTORY, Paris, France.
Filed April 28, 1927. Serial No. 248,112. PUBLISHED JUNE 7, 1927. Class 6.

231,654. WASTE AND VENT FITTINGS, FLOOR DRAINS, BATH TRAPS AND ACCESSORIES, DRUM TRAPS AND ACCESSORIES, RESEALING TRAPS, AND REFRIGERATOR DRAINS. JOHN A. ZURN, doing business as J. A. Zurn Manufacturing Company, Erie, Pa.
Filed May 2, 1927. Serial No. 248,339. PUBLISHED JUNE 14, 1927. Class 13.

231,655. PLANT FOODS AND FERTILIZERS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed May 4, 1927. Serial No. 248,408. PUBLISHED JUNE 14, 1927. Class 10.

231,656. JELLY, JAM, FRUIT PRESERVES, MARMALADES, CANNED FRUITS, AND CANNED VEGETABLES. CALIFORNIA PRESERVING CO., Los Angeles, Calif.
Filed May 6, 1927. Serial No. 248,551. PUBLISHED JUNE 14, 1927. Class 46.

231,657. COFFEE-MAKING UTENSILS. C. M. NEVIUS INC., Hornell, N. Y.
Filed April 16, 1927. Serial No. 247,558. PUBLISHED JUNE 14, 1927. Class 13.

231,658. NAILS. KEYSTONE STEEL & WIRE COMPANY, South Bartonville, Peoria, Ill.
Filed May 6, 1927. Serial No. 248,575. PUBLISHED JUNE 14, 1927. Class 13.

231,659. PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, LA GRIPPE, SORE THROAT, AND HEADACHE. AGRIPPA COMPANY, Albany, Ga.
Filed May 7, 1927. Serial No. 248,609. PUBLISHED JUNE 14, 1927. Class 6.

231,660. MEDICINAL PREPARATION IN THE FORM OF PILLS FOR THE TREATMENT OF DIARRHEA. JOSEPH CASH, Porter Corners, N. Y.
Filed May 9, 1927. Serial No. 248,677. PUBLISHED JUNE 14, 1927. Class 6.

231,661. OXYACETYLAMINOPHENYLARSINIC ACID. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed May 10, 1927. Serial No. 248,776. PUBLISHED JUNE 14, 1927. Class 6.

231,662. OXYACETYLAMINOPHENYLARSINIC ACID. LES ETABLISSEMENTS POULENC FRERES, Paris, France.
Filed May 10, 1927. Serial No. 248,777. PUBLISHED JUNE 14, 1927. Class 6.

231,663. CHEMICALS, ALDEHYDES, ALCOHOLS, AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. ALBERT VERLEY, INC., Chicago, Ill.
Filed April 19, 1927. Serial No. 247,655. PUBLISHED JUNE 7, 1927. Class 6.

231,664. MEDICATED PLASTERS TO BE APPLIED TO VARIOUS PARTS OF THE BODY, USUALLY FOR THE RELIEF OF ACHES AND PAINS. PAINPATCH, INCORPORATED, East Orange, N. J.
Filed April 18, 1927. Serial No. 247,631. PUBLISHED MAY 31, 1927. Class 6.

231,665. LAXATIVE PREPARTION. MINT-O-LAX, INC., Milwaukee, Wis.
Filed April 18, 1927. Serial No. 247,626. PUBLISHED JUNE 7, 1927. Class 6.

231,666. MEDICINE FOR ASTHMA AND HAY FEVER. THE BUNDT LABORATORIES, Detroit, Mich.
Filed April 18, 1927. Serial No. 247,596. PUBLISHED JUNE 7, 1927. Class 6.

231,667. PERFUMES, BODY LOTIONS, AND AFTER-SHAVING LOTIONS, TOILET WATERS, FACE POWDERS, BATH POWDERS, AND TALCUM POWDERS, AND ROUGE, LIP STICKS, BATH SALTS, FACE CREAMS, AND FINISHING CREAMS. JOSEPH S. LINDEMANN, New York, N. Y.
Filed April 16, 1927. Serial No. 247,550. PUBLISHED JUNE 7, 1927. Class 6.

231,668. MEDICINE FOR USE IN THE TREATMENT OF PILES. DUZ-IT COMPANY, Milford, Del.
Filed April 19, 1927. Serial No. 247,678. PUBLISHED MAY 31, 1927. Class 6.

231,669. INSECTICIDES. THE BEAVER PRODUCTS COMPANY OF VIRGINIA INC., North Holston, Va.
Filed April 19, 1927. Serial No. 247,662. PUBLISHED MAY 31, 1927. Class 6.

231,670. CHEMICALS, ALDEHYDES, ALCOHOLS, AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. ALBERT VERLEY, INC., Chicago, Ill.
Filed April 19, 1927. Serial No. 247,656. PUBLISHED JUNE 7, 1927. Class 6.

231,671. DOMESTIC OR SEMIDOMESTIC AUTOMATIC OIL-BURNING EQUIPMENT CONSISTING OF OIL PUMPS, STRAINERS, PRESSURE ATOMIZING NOZZLES, BLOWERS, COMBUSTION AIR MOTORS, PROTECTOSTATS, AND RELAYS FOR AUTOMATIC CONTROL OF ELECTRIC POWER. MONARCH MFG. WORKS, INC., Philadelphia, Pa.
Filed March 31, 1927. Serial No. 246,700. PUBLISHED MAY 31, 1927. Class 34.

231,672. DENTIFRICES AND MOUTH WASHES. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed March 29, 1927. Serial No. 246,559. PUBLISHED MAY 31, 1927. Class 6.

231,673. RADIATING COMBUSTION CHAMBERS USING GASEOUS, LIQUID, AND SOLID FUEL AND COMPRISED OF REFRACTORY MATERIALS. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed March 31, 1927. Serial No. 246,661. PUBLISHED JUNE 14, 1927. Class 34.

231,674. EGG COMPOUND CONSISTING OF NINETY PER CENT OF EGGS AND TEN PER CENT OF SALT. RICHARD HELLMANN, Long Island City, N. Y.
Filed March 29, 1927. Serial No. 246,550. PUBLISHED MAY 31, 1927. Class 46.

231,675. ARTIFICIAL DYESTUFFS AND CHEMICAL PRODUCTS FOR DYEING AND PRINTING. DURAND & HUGUENIN S. A., Basel, Switzerland.
Filed March 20, 1927. Serial No. 246,533. PUBLISHED MAY 24, 1927. Class 6.

231,676. MEDICATED PLASTERS FOR ACHES, PAINS, AND BRUISES. PAINPATCH, INCORPORATED, East Orange, N. J.
Filed March 28, 1927. Serial No. 246,498. PUBLISHED JUNE 7, 1927. Class 6.

231,677. DRIED CURRANTS AND MINCEMEAT. THE W. H. MARVIN COMPANY, Urbana, Ohio.
Filed March 28, 1927. Serial No. 246,489. PUBLISHED MAY 31, 1927. Class 46.

231,678. DRIED CURRANTS AND MINCEMEAT. THE W. H. MARVIN COMPANY, Urbana, Ohio.
Filed March 28, 1927. Serial No. 246,488. PUBLISHED MAY 31, 1927. Class 46.

231,679. CHINAWARE, STONEWARE, EARTHENWARE, TERRA-COTTA WARE, AND PORCELAIN WARE. VILLEROY & BOCH, A LIMITED STOCK COMPANY, Mettlach, Germany.
Filed March 2, 1927. Serial No. 245,122. PUBLISHED JUNE 14, 1927. Class 30.

231,680. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,203. PUBLISHED JUNE 7, 1927. Class 42.

231,681. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,205. PUBLISHED JUNE 7, 1927. Class 42.

231,682. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. HESS & WIENER, INCORPORATED, New York, N. Y.
Filed March 4, 1927. Serial No. 245,210. PUBLISHED MAY 31, 1927. Class 28.

231,683. PATENT HEADS FOR GUITARS, MANDOLINS, BANJOS, AND VIOLINS; TAILPIECES FOR GUITARS, MANDOLINS, BANJOS, AND BANJO MANDOLINS; STRING PEGS FOR BANJOS AND UKULELES; GUITAR STEELS; HOOKS, BOLTS, SCREWS, SHOES, END PINS, NUTS, BRACKETS, HOOPS, ARM RESTS, LEG RESTS, NECK BRACES, WRENCHES, RESONATORS, AND MUTES FOR BANJOS, TUNING FORKS, AND TAMBOURINE JINGLES. WAVERLY MUSICAL PRODUCTS CO., INC., New York and Long Island City, N. Y.
Filed March 5, 1927. Serial No. 245,307. PUBLISHED MAY 31, 1927. Class 36.

231,684. LUBRICATING OIL. ARMOULD OIL COMPANY, Quincy, Ill.
Filed March 7, 1927. Serial No. 245,319. PUBLISHED MAY 31, 1927. Class 15.

231,685. CIGARS AND CIGARETTES. RUDOLPH SCHWARTZ, doing business as Rudolfo Cigar Co. and R. Schwartz Co., San Francisco, Calif.
Filed March 12, 1927. Serial No. 245,661. PUBLISHED JUNE 7, 1927. Class 17.

231,686. WATCH BRACELETS, LORGNETTE CHAINS, FINGER RINGS, NECKLACES, PENDANTS, BRACELETS, CUFF LINKS, BAR PINS, BROOCHES, LORGNETTES, STUDS, SCARF PINS, AND HATPINS, VEST BUTTONS, AND HANDY PINS MADE OF OR PLATED WITH PRECIOUS METAL. TAYLOR & CO., INC., Newark, N. J.
Filed March 12, 1927. Serial No. 245,668. PUBLISHED MAY 31, 1927. Class 28.

231,687. PIANOS. H. C. EVANS & COMPANY, Chicago, Ill.
Filed March 14, 1927. Serial No. 245,701. PUBLISHED MAY 31, 1927. Class 36.

231,688. COTTON YARD GOODS IN THE PIECE. R. H. MACY & CO., INC., New York, N. Y.
Filed March 14, 1927. Serial No. 245,737. PUBLISHED JUNE 7, 1927. Class 42.

231,689. FRATERNITY PINS, BADGES, LAPEL BUTTONS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, AND BELT BUCKLES ALL MADE OF OR PLATED WITH PRECIOUS METAL. PI KAPPA PHI FRATERNITY, Charleston, S. C.
Filed March 16, 1927. Serial No. 245,860. PUBLISHED JUNE 7, 1927. Class 28.

231,690. WATCHES, WATCHCASES, AND CLOCKS. ROSEN & STEINBERG, Brooklyn, N. Y.
Filed March 16, 1927. Serial No. 245,864. PUBLISHED MAY 31, 1927. Class 27.

231,691. WHISKY. THE KENTUCKY HOLDING CORPORATION, Louisville, Ky.
Filed March 19, 1927. Serial No. 246,032. PUBLISHED MAY 31, 1927. Class 49.

231,692. CIGARETTE CASES, CIGAR LIGHTERS, AND MATCH CASES, ALL MADE OF OR PLATED WITH PRECIOUS METAL. MARATHON CO., Attleboro, Mass.
Filed March 21, 1927. Serial No. 246,103. PUBLISHED MAY 31, 1927. Class 28.

231,693. POWDER PUFFS. GEO. S. HERSHEY, doing business as George S. Hershey Company, Los Angeles, Calif.
Filed March 23, 1927. Serial No. 246,208. PUBLISHED MAY 24, 1927. Class 29.

231,694. SAFETY MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed March 23, 1927. Serial No. 246,250. PUBLISHED JUNE 7, 1927. Class 9.

231,695. SAFETY MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed March 23, 1927. Serial No. 246,251. PUBLISHED JUNE 7, 1927. Class 9.

231,696. WATCHCASES. THE NOV-E-LINE MANUFACTURING CO. INC., New York, N. Y.
Filed March 24, 1927. Serial No. 246,308. PUBLISHED JUNE 14, 1927. Class 27.

231,697. GASOLINE MODIFIED BY THE ADDITION OF CHEMICALS. AUTHOR M. HUGHEY, doing business as The Super-Products Co., Decatur, Ill.
Filed March 26, 1927. Serial No. 246,410. PUBLISHED JUNE 14, 1927. Class 15.

231,698. POWDER PUFFS. JUDITH TAYLOR, Timberlake, N. C.
Filed March 26, 1927. Serial No. 246,448. PUBLISHED MAY 24, 1927. Class 29.

231,699. OINTMENT FOR THE TREATMENT OF CUTS, BRUISES, ULCERS, AND SORES. HEDVIG KNAPIK, New York, N. Y.
Filed April 16, 1927. Serial No. 247,546. PUBLISHED MAY 24, 1927. Class 6.

231,700. PERFUMES, BODY LOTIONS, AND AFTER-SHAVING LOTIONS, TOILET WATERS, FACE POWDERS, BATH POWDERS, AND TALCUM POWDERS, AND ROUGE, LIP STICKS, BATH SALTS, FACE CREAMS, AND FINISHING CREAMS. ERTÉ, INC., New York, N. Y.
Filed April 16, 1927. Serial No. 247,529. PUBLISHED JUNE 7, 1927. Class 6.

231,701. RECONSTRUCTIVE TONIC AND HEALING EXPECTORANT FOR TREATMENT OF COUGHS, CHRONIC AND ACUTE BRONCHITIS, SORENESS AND COLD ON THE CHEST, HOARSENESS, AND GENERAL COLDS. JULIAN H. E. EBERHARDT, doing business as The Long-Ease Co., Savannah, Ga.
Filed April 16, 1927. Serial No. 247,527. PUBLISHED MAY 24, 1927. Class 6.

231,702. SANITARY NAPKINS. DRUGGISTS' SUPPLY CORPORATION, New York, N. Y.
Filed April 16, 1927. Serial No. 247,526. PUBLISHED MAY 31, 1927. Class 44.

231,703. SANITARY BELTS. C. F. HOVEY CO., Boston, Mass.
Filed April 15, 1927. Serial No. 247,475. PUBLISHED MAY 31, 1927. Class 44.

231,704. PERFUME. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed April 15, 1927. Serial No. 247,456. PUBLISHED MAY 24, 1927. Class 6.

231,705. PRESSING OIL AND A PREPARATION FOR TREATING DANDRUFF, FALLING HAIR, ITCHING SCALP, AND GIVING LIFE, BEAUTY, COLOR, AND ABUNDANT GROWTH TO THE HAIR. L. K. JACKSON, doing business as Madam L. Kemp Jackson, Ensley, Ala.
Filed April 14, 1927. Serial No. 247,436. PUBLISHED MAY 31, 1927. Class 6.

231,706. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIRDRESSINGS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, FOOT POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, AND SACHETS. GABBY & COMPANY, INC., New York, N. Y.
Filed April 13, 1927. Serial No. 247,368. PUBLISHED JUNE 7, 1927. Class 6.

231,707. GLASSWARE USED FOR ELECTRIC-LIGHTING PURPOSES—VIZ, ELECTRIC SHADES, REFLECTORS, OPEN-TOP BOWLS, INCLOSING GLOBES, FLAT SHEETS, AND PANELS. GLEASON-TIEBOUT GLASS COMPANY, Brooklyn, N. Y.
Filed March 29, 1927. Serial No. 246,546. PUBLISHED JUNE 7, 1927. Class 33.

231,708. CIGARETTES, CHEROOTS, LITTLE CIGARS, AND SMOKING AND CHEWING TOBACCO. MAX SIMPSON, doing business as The Health Cigar Company, New York, N. Y.
Filed March 29, 1927. Serial No. 246,574. PUBLISHED MAY 31, 1927. Class 17.

231,709. BEDSPREADS, BEDQUILTS, AND COUNTERPANES OF COTTON, RAYON, SILK, WOOL, AND MIXTURES OF ANY OF SAID FABRICS, AND FOR DRAPERY FABRICS, AND PIECE GOODS OF COTTON, RAYON, SILK, WOOL, AND MIXTURES OF ANY OF SAID FIBERS. MONADNOCK MILLS, Claremont, N. H.
Filed March 30, 1927. Serial No. 246,619. PUBLISHED JUNE 7, 1927. Class 42.

231,710. CUTTING LUBRICANTS OF AN OILY CHARACTER. G. WHITFIELD RICHARDS, Philadelphia, Pa.
Filed March 30, 1927. Serial No. 246,632. PUBLISHED JUNE 14, 1927. Class 15.

231,711. PHONOGRAPHS, PHONOGRAPHS ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS, PHONOGRAPHS IN COMBINATION WITH RADIO RECEIVING SETS, AND PARTS FOR SUCH PHONOGRAPHS. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed March 31, 1927. Serial No. 246,669. PUBLISHED JUNE 7, 1927. Class 36.

231,712. PHONOGRAPHS, PHONOGRAPHS ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS, PHONOGRAPHS IN COMBINATION WITH RADIO RECEIVING SETS, AND PARTS FOR SUCH PHONOGRAPHS. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed March 31, 1927. Serial No. 246,670. PUBLISHED JUNE 7, 1927. Class 36.

231,713. SILK PIECE GOODS. DOSHI TRADING CO. LTD., New York, N. Y.
Filed March 31, 1927. Serial No. 246,671. PUBLISHED JUNE 7, 1927. Class 42.

231,714. OILS, GREASES, AND WAXES OF ALL KINDS AND SIMILAR PRODUCTS FOR LUBRICATING, ILLUMINATING, HEATING, AND FUEL PURPOSES, ALSO GASOLINE. VACUUM OIL COMPANY, New York, N. Y.
Filed April 1, 1927. Serial No. 246,789. PUBLISHED JUNE 14, 1927. Class 15.

231,715. MOTOR OIL. THE GREAT WESTERN OIL COMPANY, Cleveland, Ohio.
Filed April 2, 1927. Serial No. 246,833. PUBLISHED JUNE 7, 1927. Class 15.

231,716. SHAVING BRUSHES. RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J.
Filed April 2, 1927. Serial No. 246,848. PUBLISHED MAY 31, 1927. Class 29.

231,717. TOOTHBRUSHES. RUBBER AND CELLULOID PRODUCTS COMPANY, Newark, N. J.
Filed April 2, 1927. Serial No. 246,849. PUBLISHED MAY 31, 1927. Class 29.

231,718. CLOCKS AND WATCHES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed April 4, 1927. Serial No. 246,888. PUBLISHED JUNE 7, 1927. Class 27.

231,719. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO., INC., Philadelphia, Pa.
Filed April 5, 1927. Serial No. 246,930. PUBLISHED JUNE 14, 1927. Class 42.

231,720. LINOLEUM AND FELT-BASE FLOOR COVERINGS, BOTH PIECE GOODS AND RUGS. ARMSTRONG CORK COMPANY, Pittsburgh, Pa.
Filed April 6, 1927. Serial No. 246,995. PUBLISHED JUNE 7, 1927. Class 20.

231,721. ROSARIES MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. G. KLEIN & SON, New York, N. Y.
Filed April 6, 1927. Serial No. 247,025. PUBLISHED JUNE 14, 1927. Class 28.

231,722. WOOL CARPETS AND RUGS. CHARLES W. POULSON & SONS CARPET CO., INC., New York, N. Y.
Filed April 6, 1927. Serial No. 247,039. PUBLISHED JUNE 7, 1927. Class 42.

231,723. MATCHES. VULCAN MATCH CO., INC., New York, N. Y.
Filed April 6, 1927. Serial No. 247,049. PUBLISHED JUNE 14, 1927. Class 9.

231,724. COTTON PIECE GOODS—VIZ, SHEETINGS, SHIRTINGS, AND DRILLS. AMORY, BROWNE & CO., New York, N. Y.
Filed April 7, 1927. Serial No. 247,059. PUBLISHED JUNE 7, 1927. Class 42.

231,725. PHONOGRAPH REPRODUCER. MARYAN F. OSUCH, doing business as Phonograph-Radio Improving Co., Chicago, Ill.
Filed April 7, 1927. Serial No. 247,095. PUBLISHED JUNE 14, 1927. Class 36.

231,726. AMMUNITION. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn.
Filed April 7, 1927. Serial No 247,111. PUBLISHED JUNE 7, 1927. Class 9.

231,727. GELATIN. ESSEX GELATINE COMPANY, Boston, Mass.
Filed March 25, 1927. Serial No. 246,339. PUBLISHED MAY 31, 1927. Class 46.

231,728. EXTRACT WITCH-HAZEL, MILK OF MAGNESIA U. S. P., COD-LIVER OIL, ETC. WOLF-THOMEN INCORPORATED, New York, N. Y.
Filed March 25, 1927. Serial No. 246,376. PUBLISHED MAY 31, 1927. Class 6.

231,729. TOOTH PASTE AND TALCUM POWDER. FRENCH BEAUTY PRODUCTS CO., INC., New York, N. Y.
Filed March 26, 1927. Serial No. 246,398. PUBLISHED MAY 24, 1927. Class 6.

231,730. MAYONNAISE, THOUSAND ISLAND DRESSING, AND VEGETABLE-CHOW RELISH. J. LINDSEY GUNN, doing business as The Nor-Va Products Company, Norfolk, Va.
Filed March 26, 1927. Serial No. 246,402. PUBLISHED MAY 31, 1927. Class 46.

231,731. CASES OR KITS CONTAINING MEDICINE FOR DYSPEPSIA AND INDIGESTION, HEADACHE AND NEURALGIA, CONSTIPATION AND LAXATIVE, DIARRHEA AND SUMMER COMPLAINT, COLDS, GRIPPE, AND FEVERS, AND EYE WASH, ANTISEPTIC AND GERMICIDAL TABLETS AND SMELLING SALTS. TRAVELLO CHEMICAL & SUPPLY COMPANY, Westfield, Mass.
Filed March 26, 1927. Serial No. 246,450. PUBLISHED JUNE 7, 1927. Class 6.

231,732. PREPARATION FOR THE RELIEF OF HOARSENESS, COLDS, COUGHS, SORE THROAT, AND BRONCHITIS. JOHN H. WOOD COMPANY, Philadelphia, Pa.
Filed March 26, 1927. Serial No. 246,456. PUBLISHED MAY 24, 1927. Class 6.

231,733. COATED STEEL INTERMENT VAULTS. KING BROS. BOILER WORKS, also doing business as King Bros., Portland, Oreg.
Filed March 28, 1927. Serial No. 246,485. PUBLISHED JUNE 14, 1927. Class 2.

231,734. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed May 3, 1927. Serial No. 248,357. PUBLISHED JUNE 7, 1927. Class 42.

231,735. PREPARED FLOOR COVERINGS OF THE OILED-CLOTH TYPE. CONGOLEUM-NAIRN INC., Philadelphia, Pa.
Filed May 3, 1927. Serial No. 248,352. PUBLISHED JUNE 7, 1927. Class 20.

231,736. SILK PIECE GOODS. STEHLI SILKS CORPORATION, New York, N. Y.
Filed May 3, 1927. Serial No. 248,378. PUBLISHED JUNE 14, 1927. Class 42.

231,737. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed May 3, 1927. Serial No. 248,359. PUBLISHED JUNE 7, 1927. Class 42.

231,738. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed May 3, 1927. Serial No. 248,358. PUBLISHED JUNE 7, 1927. Class 42.

231,739. CIGARS. ABRAHAM MILLER, Brooklyn, N. Y.
Filed May 4, 1927. Serial No. 248,420. PUBLISHED JUNE 14, 1927. Class 17.

231,740. WATCHES, WATCH MOVEMENTS, WATCHCASES, AND PARTS THEREOF. JOSEPH FEINSTEIN, New York, N. Y.
Filed May 7, 1927. Serial No. 248,630. PUBLISHED JUNE 14, 1927. Class 27.

231,741. WATCHES, WATCH MOVEMENTS, WATCHCASES, AND PARTS THEREOF. JOSEPH FEINSTEIN, New York, N. Y.
Filed May 7, 1927. Serial No. 248,629. PUBLISHED JUNE 14, 1927. Class 27.

231,742. YARN. CHAMPLAIN SILK MILLS, New York, N. Y.
Filed May 7, 1927. Serial No. 248,618. PUBLISHED JUNE 14, 1927. Class 43.

231,743. WOOLEN TEXTILE FABRICS IN THE PIECE. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y.
Filed May 5, 1927. Serial No. 248,469. PUBLISHED JUNE 14, 1927. Class 42.

231,744. WOOLEN TEXTILE FABRICS IN THE PIECE. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y.
Filed May 5, 1927. Serial No. 248,466. PUBLISHED JUNE 14, 1927. Class 42.

231,745. SALOL COMPOUND, SANTAL OIL, COMPOUND OF COPAIBA, CUBEB, AND SANTAL. LABORATOIRE DE PHARMACOLOGIE, INC., New York, N. Y.
Filed April 20, 1927. Serial No. 247,742. PUBLISHED JUNE 7, 1927. Class 6.

231,746. INSECTICIDES. THE DILL CO., Norristown, Pa.
Filed April 20, 1927. Serial No. 247,729. PUBLISHED MAY 24, 1927. Class 6.

231,747. MEDICINAL PREPARATION FOR USE AS A TONIC AND AID FOR STOMACH TROUBLES, GAS, INDIGESTION, HEARTBURN, UNPLEASANT BREATH, KIDNEY, BLADDER, AND LIVER TROUBLES, AND RHEUMATISM. R. L. SACRA, doing business as Char-Bu Medicine Co., Marshall, Tex.
Filed April 19, 1927. Serial No. 247,709. PUBLISHED MAY 31, 1927. Class 6.

231,748. MEDICINAL POWDERS TO BE TAKEN INTERNALLY FOR RHEUMATISM. WILLIS G. JEFFERSON, Parker Head, Me.
Filed March 23, 1927. Serial No. 246,209. PUBLISHED JUNE 7, 1927. Class 6.

231,749. ICE-CREAM CONFECTION. REID ICE CREAM CORPORATION, Brooklyn, N. Y.
Filed March 23, 1927. Serial No. 246,227. PUBLISHED MAY 31, 1927. Class 46.

231,750. COLD CREAM, SKIN COMPOUND, COMPOUND FOR PERSPIRATION, AND COMPOUND FOR CORNS. ABRAHAM J. SPAIN, Minneapolis, Minn.
Filed March 23, 1927. Serial No. 246,233. PUBLISHED MAY 31, 1927. Class 6.

231,751. FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, SHAMPOOS, DRY SHAMPOOS, HAIR WHITENER, HAIR DYE, TOOTH POWDERS, BATH SALTS, SMELLING SALTS, INCENSE, TALCUM POWDERS, SACHETS, AND SOLID PERFUMES. MARQUISETTE, INC., Brooklyn, N. Y.
Filed March 24, 1927. Serial No. 246,299. PUBLISHED MAY 24, 1927. Class 6.

231,752. PREPARATION FOR USE IN THE TREATMENT OF TUBERCULOSIS. JAMES A. SLOAN, Kerns, Tex.
Filed March 24, 1927. Serial No. 246,313. PUBLISHED JUNE 7, 1927. Class 6.

231,753. WATCHES, WATCH MOVEMENTS AND PARTS OF THE SAME. SCHEIN & ENGEL CO., doing business as Banner Watch Co., New York, N. Y.
Filed April 11, 1927. Serial No. 247,289. PUBLISHED JUNE 14, 1927. Class 27.

231,754. PREPARED FLOOR COVERINGS OF THE OILED-CLOTH TYPE. CONGOLEUM-NAIRN INC., Philadelphia, Pa.
Filed May 3, 1927. Serial No. 248,350. PUBLISHED JUNE 7, 1927. Class 20.

231,755. GOLF BALLS. ROBERT SMITH, doing business as Bob Smith, Boston, Mass.
Filed April 30, 1927. Serial No. 248,259. PUBLISHED JUNE 7, 1927. Class 22.

231,756. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 29, 1927. Serial No. 248,162. PUBLISHED JUNE 14, 1927. Class 42.

231,757. RAYON AND SILK MIXED PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 29, 1927. Serial No. 248,161. PUBLISHED JUNE 14, 1927. Class 42.

231,758. CIGARS AND CIGARETTES. BEATRICE O'CONOR, Newton Center, Mass.
Filed April 28, 1927. Serial No. 248,121. PUBLISHED JUNE 14, 1927. Class 17.

231,759. PRESCRIPTION BOTTLES MADE OF GLASS. OBEAR-NESTER GLASS CO., St. Louis, Mo.
Filed April 25, 1927. Serial No. 247,961. PUBLISHED JUNE 14, 1927. Class 33.

231,760. VELVET, VELVETEEN, AND CORDUROY IN THE PIECE. VANETTA VELVET CO., INC., New York, N. Y.
Filed April 23, 1927. Serial No. 247,917. PUBLISHED JUNE 14, 1927. Class 42.

231,761. GLASS. CORNING GLASS WORKS, Corning, N. Y.
Filed April 22, 1927. Serial No. 247,839. PUBLISHED JUNE 14, 1927. CLASS 33.

231,762. TEXTILE FABRICS IN THE PIECE. BENJAMIN F. MILLER, Philadelphia, Pa.
Filed April 21, 1927. Serial No. 247,808. PUBLISHED JUNE 14, 1927. Class 42.

231,763. WOOL CARPETS AND RUGS. CHARLES W. POULSON & SONS CARPET CO., INC., New York, N. Y.
Filed April 9, 1927. Serial No. 247,208. PUBLISHED JUNE 7, 1927. Class 42.

231,764. MOUTH WASH HAVING DEODORANT, ASTRINGENT, AND CLEANSING PROPERTIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed April 20, 1927. Serial No. 247,750. PUBLISHED JUNE 7, 1927. Class 6.

231,765. GLASS. CORNING GLASS WORKS, Corning, N. Y.
Filed April 21, 1927. Serial No. 247,781. PUBLISHED JUNE 14, 1927. Class 33.

231,766. DEVICE FOR RECORDING THE NUMBER OF HITS MADE DURING THE COURSE OF A GAME OF GOLF. FERDINAND H. BORM, Chicago, Ill.
Filed April 21, 1927. Serial No. 247,773. PUBLISHED JUNE 7, 1927. Class 22.

231,767. INDUSTRIAL WIPING CLOTHS. HILLSIDE COTTON MILLS, trading as Valley Mills, Lagrange, Ga.
Filed April 20, 1927. Serial No. 247,736. PUBLISHED JUNE 14, 1927. Class 29.

231,768. INDUSTRIAL WIPING CLOTHS. HILLSIDE COTTON MILLS, trading as Valley Mills, Lagrange, Ga.
Filed April 20, 1927. Serial No. 247,737. PUBLISHED JUNE 14, 1927. Class 29.

231,769. TEXTILE RUGS. HILLSIDE COTTON MILLS, doing business as Valley Mills, Lagrange, Ga.
Filed April 20, 1927. Serial No. 247,735. PUBLISHED JUNE 14, 1927. Class 42.

231,770. WATCHES, WATCH MOVEMENTS, AND PARTS OF WATCHES, INCLUDING WATCH-CASES. FEDERAL MAIL ORDER CORPORATION, New York, N. Y.
Filed April 20, 1927. Serial No. 247,731. PUBLISHED JUNE 14, 1927. Class 27.

231,771. MANILA AND SISAL ROPES AND MANILA AND SISAL BINDER TWINE. MERCHANTS PRODUCTS CORPORATION, New York, N. Y.
Filed April 15, 1927. Serial No. 247,484. PUBLISHED JUNE 7, 1927. Class 7.

231,772. DOLLS. JEANNE DE M. BREMBACK, White Plains, N. Y.
Filed April 15, 1927. Serial No. 247,460. PUBLISHED JUNE 7, 1927. Class 22.

231,773. MOTOR FUEL OILS. ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio.
Filed April 13, 1927. Serial No. 247,366. PUBLISHED JUNE 14, 1927. Class 15.

231,774. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. SCHEIN & ENGEL CO., doing business as Banner Watch Co., New York, N. Y.
Filed April 11, 1927. Serial No. 247,290. PUBLISHED JUNE 14, 1927. Class 27.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

231,775. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INC., New York, N. Y. Filed June 9, 1926. Serial No. 232,934.

SPLITAB

Particular description of goods.—Telephone Jacks for Radio Apparatus Adapted for Radio Reception.
Claims use since May 20, 1926.

231,776. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, and Spring Grove, Easton, Pa. Filed June 25, 1926. Serial No. 233,722.

FAR FAMED

Particular description of goods.—Hosiery.
Claims use since May 26, 1926.

231,777. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORRIS KLEIN, New York, N. Y. Filed July 14, 1926. Serial No. 234,517.

Exquisite

Particular description of goods.—Finger Rings.
Claims use since June 7, 1926.

231,778. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORSE ANDREWS CO., Attleboro, Mass. Filed July 21, 1926. Serial No. 234,858.

STABRYT SYLVR

Particular description of goods.—Buckles, Key Rings, Chain Fasteners, Belt Chains, Snap Fasteners, Spring Rings, Tie Clasps, Lapel Buttons, Brooches, Cuff Buttons, Badges, and Chain Bars, All of Which are Made of or Plated with Precious Metals; Chains for Personal Adornment, Bracelets, Cuff Links, Charms, Fobs, Pendants, and Finger Rings.
Claims use since June 28, 1926.

231,779. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Dec. 7, 1925. Serial No. 224,334.

Roomy Ankle

Particular description of goods.—Boots and Shoes of Leather.
Claims use since Nov. 20, 1925.

231,780. (CLASS 39. CLOTHING.) LOUIS BASKIND, New York, N. Y. Filed Mar. 3, 1926. Serial No. 228,023.

TICONDEROGA

Particular description of goods.—Men's and Boys' Negligee, Dress, and Work Shirts, Including Flannel, Cotton, Wool, and All-Wool Shirts, and Pyjamas for Men and Boys.
Claims use since October, 1925.

231,781. (CLASS 38. PRINTS AND PUBLICATIONS.) NEA SERVICE, INC., Cleveland, Ohio. Filed May 12, 1926. Serial No. 231,495.

-GILBERT SWAN.

Particular description of goods.—Nom de Plume for Newspaper Articles.
Claims use since Dec. 14, 1925.

231,782. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) M. F. PATTERSON DENTAL SUPPLY CO., St. Paul, Minn. Filed May 14, 1926. Serial No. 231,626.

WAX GLOSS

Particular description of goods.—Surfacing Liquid for Coating Wax Dental Patterns.
Claims use since Mar. 18, 1926.

231,783. (CLASS 39. CLOTHING.) CAPITOL KNITTING CO., Toledo, Ohio. Filed May 24, 1926. Serial No. 232,120.

Style Knit

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Dec. 21, 1925.

231,784. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AERO PRODUCTS, INC., Chicago, Ill. Filed May 27, 1926. Serial No. 232,307.



Particular description of goods.—Coils for Radio Receiving Circuits, as Well as Parts Thereof.
Claims use since Mar. 26, 1926.

231,785. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOODMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 16, 1925. Serial No. 211,094.

Entryloader

Particular description of goods.—Electric Scraper-Loading Machinery for Use in Mines and for Similar Purposes.
Claims use since Dec. 6, 1924.

231,786. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL OIL PRODUCTS CO., Chicago, Ill. Filed June 8, 1925. Serial No. 215,485.

DUBBS

Particular description of goods.—Apparatus for the Treatment of Hydrocarbon Oil.
Claims use since Feb. 2, 1925.

231,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUO-DYE CORPORATION, New York, N. Y. Filed June 16, 1925. Serial No. 215,849.

DUO-DYE

Particular description of goods.—Silk Piece Goods, Silk and Cotton Piece Goods, Silk Scarfs Used as Draperies, and Ribbons.
Claims use since May 8, 1925.

231,788. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) ELDER MFG. CO., St. Louis, Mo. Filed Oct. 17, 1925. Serial No. 221,886.

GOLDENSHEEN

Particular description of goods.—Cloth of Cotton, Silk, and Combinations of the Same, Both in the Piece and in the Bolt, for Shirts, Blouses, and Suits.
Claims use since June 1, 1925.

231,789. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed Jan. 15, 1927. Serial No. 242,935.

BRADBURN

Particular description of goods.—Woolen Goods in the Piece.
Claims use since July 15, 1926.

231,790. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed July 9, 1927. Serial No. 251,707.

RIGHT REPAIR HANDLE

Particular description of goods.—Implement Handles.
Claims use since July 1, 1926.

231,791. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed July 1, 1927. Serial No. 251,374.

AMERICAN

Particular description of goods.—Pressed-Steel Trucks.
Claims use since June 7, 1926.

231,792. (CLASS 39. CLOTHING.) MEYER SEGAL, Philadelphia, Pa. Filed May 31, 1927. Serial No. 249,815.

TOMROGER

Particular description of goods.—Work Shirts, Work Pants, Overalls, Gloves of Knitted or Woven Fabric, Gloves of Leather and Waterproof Materials; Men's, Women's, and Children's Hosiery; Underwear of Knitted, Netted, or Textile Fabric for Men; Garters, Belts in the Nature of Garment Supporters, Shop Caps for Men and Women, and Arm Bands.
Claims use since April, 1925.

231,793. (CLASS 39. CLOTHING.) FASHION PARK, INC., Rochester, N. Y. Filed May 28, 1927. Serial No. 249,713.

PARKMAN

Particular description of goods.—Men's Coats, Vests, Pants, and Overcoats.
Claims use since about Mar. 1, 1926.

231,794. (CLASS 39. CLOTHING.) CYRUS M. WALKER, doing business as Nuback Company, Kansas City, Mo. Filed May 23, 1927. Serial No. 249,453.

SUSPEND-A-BACK

Particular description of goods.—Men's Textile-Fabric Union-Suit Underwear.
Claims use since about July 1, 1925.

231,795. (CLASS 39. CLOTHING.) UTZ & DUNN COMPANY, Rochester, N. Y. Filed Apr. 2, 1927. Serial No. 246,861.

TARSAL CONFORMER

Particular description of goods.—Boots and Shoes Made of Leather, Fabric, or Combinations Thereof.
Claims use since June 25, 1926.

231,796. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONSOLIDATED RESEARCH LABORATORIES, INC., Newark, N. J. Filed Dec. 7, 1926. Serial No. 241,090.

NU-DIELECTRIC

Particular description of goods.—Condensers, Resistance Couplers, Coils, and Dials.
Claims use since July 1, 1926.

231,797. (CLASS 39. CLOTHING.) COCKCROFT SILK COMPANY, INC., New York, N. Y. Filed Nov. 10, 1926. Serial No. 239,880.

VALENCIA

Particular description of goods.—Scarfs and Shawls.
Claims use since June 15, 1926.

231,798. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUSTIN ACCESSORIES MANUFACTURING CO., Chicago, Ill. Filed Nov. 1, 1926. Serial No. 239,503.

"Chicago"

The word "Chicago" is displayed in facsimile handwriting of A. J. Berger, president of applicant corporation.
Particular description of goods.—Dry-Cell Batteries, Including A, B, and C Type Radiobatteries and Unit Cells, and Assembled Batteries for Use in Flash Lights, and Storage Batteries for Automobiles and Radio Use.
Claims use since June 26, 1926.

231,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST S. BAZLEY, doing business as The Bazley Market, Chicago, Ill. Filed Oct. 27, 1926. Serial No. 239,286.

SURE PURE

Particular description of goods.—Lard.
Claims use since July 17, 1926.

231,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Oct. 26, 1926. Serial No. 239,212.

HANKOW CHOP TEA

Particular description of goods.—Tea.
Claims use since about 1911.

231,801. (CLASS 43. THREAD AND YARN.) GROVE SILK COMPANY, Dunmore, Pa. Filed Sept. 7, 1926. Serial No. 236,933.

GROVE HOSIERY TRAM

Particular description of goods.—Silk Filling or Woof, Commonly Called Tram, Which is Wound on Cones.
Claims use since July 15, 1926.

231,802. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) FELIX DI CLEMENTI, doing business as F. Di Clementi & Co., Springfield, Mass. Filed Aug. 30, 1926. Serial No. 236,640.

MILANO

Particular description of goods.—Malt Extracts.
Claims use since Jan. 1, 1926.

231,803. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) E. T. CUNNINGHAM, INC., New York, N. Y. Filed Aug. 2, 1926. Serial No. 235,459.

CUNNINGHAM

Particular description of goods.—Thermionic Detector, Amplifier, and Oscillator Tubes.
Claims use since October, 1920.

231,804. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HUGH NELSON COLUMBIA CARPET MILLS, INC., Philadelphia, Pa. Filed July 26, 1926. Serial No. 235,164.

RADNOR

Particular description of goods.—Textile Rugs and Carpets.
Claims use since July 20, 1926.

TRADE-MARK REGISTRATIONS RENEWED

59,758. SOAP. Registered January 15, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Renewed January 15, 1927, to Gold Dust Corporation, Jersey City, N. J., a Corporation of New Jersey, assignee by mesne assignments.

62,591. GLASS SHADES, GLOBES, AND CHIMNEYS. Registered May 14, 1907. HOUDAILLE ET TRIQUET, Choisy-le-Roi, France. Renewed May 14, 1927, to Societe du Verre Sili-Chrome, Paris, France, a Corporation of France, assignee.

62,846. CORSETS. Registered May 28, 1907. ROSE BINNER SCOGNAMILLO, doing business as Mme. Binner, New York, N. Y. Renewed May 28, 1927.

63,313. CANNED SALMON. Registered June 11, 1907. KELLEY-CLARKE CO., Seattle, Wash. Renewed June 11, 1927, to Booth Fisheries Company, Chicago, Ill., a Corporation of Delaware, assignee by mesne assignments.

63,363. MINERAL AND TABLE WATERS AND ALL NONALCOHOLIC CARBONATED BEVERAGES. Registered June 18, 1907. FRANK D. COUNCILMAN. Renewed June 18, 1927, to Harrison Valley Mineral Water Company, Harrison Valley, Pa., a Corporation of Pennsylvania, assignee.

63,717. COFFEE. Registered July 2, 1907. AMERICAN COFFEE CO. OF NEW ORLEANS, LTD. Renewed July 2, 1927, to American Coffee Company, Inc., New Orleans, La., a Corporation of Louisiana, successor.

63,960. AXLE GREASE. Registered July 16, 1907. LEECHBURG OIL AND PAINT COMPANY. Renewed July 16, 1927, to Penn-Glenn Oil Works, Leechburg, Pa., successor.

64,002. LEDGERS. Registered July 16, 1907. LEFEBURE LEDGER COMPANY. Renewed July 16, 1927, to Lefebure Corporation, Cedar Rapids, Iowa, a Corporation of Iowa, successor.

64,021. CERTAIN PARTS OF MACHINERY. Registered July 16, 1907. SANDERSON BROTHERS & NEWBOULD LIMITED, Sheffield, England, a Corporation of Great Britain. Renewed July 16, 1927.

64,320. PERFUMED SOAP. Registered July 30, 1907. A. & F. PEARS, LIMITED, London, England, a Corporation of Great Britain and Ireland. Renewed July 30, 1927.

64,326. DENTIFRICE. Registered July 30, 1907. ALBERT WESTLAKE, New York, N. Y. Renewed July 30, 1927.

64,411. PERFUMED SOAP. Registered August 6, 1907. A. & F. PEARS, LIMITED, London, England, a Corporation of Great Britain and Ireland. Renewed August 6, 1927.

64,485. WHEAT FLOUR. Registered August 6, 1907. JOHN H. EBELING MILLING COMPANY, Green Bay, Wis., a Corporation of Wisconsin. Renewed Aug. 6, 1927.

64,511. PERFUMED SOAPS. Registered August 13, 1907. A. & F. PEARS, LIMITED, London, England, a Corporation of Great Britain and Ireland. Renewed August 13, 1927.

64,607. CERTAIN EDGE TOOLS. Registered August 13, 1907. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed August 13, 1927.

64,608. BRACES, HAMMERS, SCREW DRIVERS, AND PICKS. Registered August 13, 1907. The GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed August 13, 1927.

64,619. ELECTRICAL SWITCHES. Registered August 13, 1907. THE PERKINS ELECTRIC SWITCH MFG. CO. Renewed August 13, 1927, to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut, assignee.

64,699. A DECORATIVE WALL FINISH OR CALCIMINE. Registered August 20, 1907. M. EWING FOX & Co. Renewed August 20, 1927, to M. Ewing Fox Co. Inc., New York, N. Y., a Corporation of New York, assignee.

64,781. WHEAT FLOUR. Registered August 20, 1907. FREEBURG MILLING CO., Freeburg, Ill., a Corporation of Illinois. Renewed August 20, 1927.

64,926. CANNED TOMATOES. Registered August 27, 1907. F. P. ROE & BRO. Renewed August 27, 1927, to F. P. Roe Company, Greensboro, Md., successor.

65,031. SHOTGUN, RIFLE, AND PISTOL CARTRIDGES AND PRIMERS. Registered September 3, 1907. THE UNION METALLIC CARTRIDGE COMPANY. Renewed September 3, 1927, to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., a Corporation of Delaware, assignee.

65,056. CANNED PEAS. Registered September 3, 1907. F. P. ROE & BRO. Renewed September 3, 1927, to F. P. Roe Company, Greensboro, Md., successor.

65,074. A HAIR DYE. Registered September 3, 1907. LOUIS SPIRO. Renewed September 3, 1927, to Anna Spiro and Harry M. Spiro, Executors under the will of Louis Spiro, successors.

65,109. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered September 10, 1907. A. WITTNAUER Co., New York, N. Y. Renewed September 10, 1927, to Fabrique des Longines Francillon & Co. S. A., St. Imier, Switzerland, a Corporation of Switzerland, assignee.

65,223. CERTAIN MEDICINES. Registered September 10, 1907. FRANK A. EPSTEIN. Renewed September 10, 1927, to Epstein Drug Company, Boston, Mass., a Corporation of Massachusetts, assignee.

65,224. CERTAIN MEDICINES. Registered September 10, 1907. FRANK A. EPSTEIN. Renewed September 10, 1927, to Epstein Drug Company, Boston, Mass., a Corporation of Massachusetts, assignee.

65,378. FRESH CANNED FROZEN OYSTERS. Registered September 24, 1907. THE MORGAN OYSTER COMPANY, San Francisco, Calif. Renewed September 24, 1927, to J. & J. W. Elsworth Co., New York, N. Y., a Corporation of New Jersey, successor.

65,501. WATCHES, PARTS OF WATCHES, AND WATCHCASES. Registered October 8, 1907. A. WITTNAUER Co., New York, N. Y., a Corporation of New York. Renewed October 8, 1927.

65,657. RUBBER CEMENT. Registered October 15, 1907. FRANK W. WHITCHER. Renewed October 15, 1927, to Frank W. Whitcher Company, Boston, Mass., a Corporation of Massachusetts, assignee.

65,681. HOSIERY. Registered October 15, 1907. LAWRENCE NEEBE, Boston, Mass. Renewed October 15, 1927, to Lawrence Neebe, Inc., New York, N. Y., a Corporation of New York, successor.

65,706. WRITING INKS. Registered October 15, 1907. HENRY CHARLES STEPHENS. Renewed October 15, 1927, to Henry C. Stephens Ltd., London, England, a Corporation of Great Britain, assignee.

65,723. CERTAIN CUTLERY AND EDGED TOOLS. Registered October 22, 1907. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed October 22, 1927.

65,856. A MEDICINE TO PERFUME THE BREATH. Registered October 29, 1907. TOSHIKUNI MORI, San Francisco, Calif. Renewed October 29, 1927, to Hiroshi Morishita, Osaka, Japan, assignee.

65,861. CERTAIN CHEMICALS. Registered October 29, 1907. ALBRIGHT & WILSON LIMITED, Oldbury, near Birmingham, England, a Joint Stock Company of Great Britain. Renewed October 29, 1927.

65,889. SOAP. Registered October 29, 1907. THE MAX HUNCKE CHEMICAL COMPANY, Brooklyn, N. Y., a Corporation of Delaware. Renewed October 29, 1927.

65,951. IMPLEMENTS FOR DEPOSITING METALLIC LEAF. Registered October 29, 1907. W. H. COE MANUFACTURING CO., Providence, R. I., a Corporation of Rhode Island. Renewed October 29, 1927.

66,037. FURS AND SKINS. Registered November 5, 1907. BECKER BROS. & Co. Renewed November 5, 1927, to Becker Bros. & Company, Inc., Furs, New York, N. Y., a Corporation of New York, assignee.

66,087. WHISKY. Registered November 5, 1907. WM. SANDERSON & SON. Renewed November 5, 1927, to William Sanderson & Son, Limited, Leith, Scotland, a Corporation of Great Britain, assignee.

66,095. LEATHER BOOTS AND SHOES. Registered November 12, 1907. THE COURTNEY SHOE CO., St. Louis, Mo. Renewed November 12, 1927, to Craddock Terry Company, Lynchburg, Va., a Corporation of Virginia, assignee.

66,136. MINERAL WATER. Registered November 12, 1907. DIE ACTIENGESELLSCHAFT APOLLINARIS BRUNNEN. Renewed November 12, 1927, to Apollinaris Brunnen Actien Gesellschaft, Neuenahr, Germany, a Corporation of Germany, successor.

66,239. PAPER BAGS. Registered November 19, 1907. SCHORSCH & Co., New York, N. Y. Renewed November 19, 1927.

66,296. GINGER-ALE. Registered November 19, 1907. JACOB HOUSE & SON. Renewed November 19, 1927, to Jacob House & Sons, Buffalo, N. Y., successor.

66,336. CANDIES COMPOSED OF OR CONTAINING CHOCOLATE. Registered November 19, 1907. NATIONAL CANDY COMPANY, St. Louis, Mo., a Corporation of New Jersey. Renewed November 19, 1927.

66,395. CHOCOLATES AND OTHER CANDIES. Registered November 26, 1907. RUECKHEIM BROS. & ECKSTEIN. Renewed November 26, 1927, to The Cracker Jack Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,414. CANDIED POP CORN. Registered November 26, 1907. RUECKHEIM BROS. AND ECKSTEIN. Renewed November 26, 1927, to The Cracker Jack Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,419. FERTILIZERS AND FERTILIZING MATERIALS. Registered November 26, 1907. B. DIAZ & Co. Renewed November 26, 1927, to J. B. Diaz & Co., S. en C., New York, N. Y., a firm of Cuba, assignee.

66,447. PREPARATION FOR PRESERVING WINE AND BEER. Registered November 26, 1907. A. HOAKE, ROBERTS & CO. LTD., Stratford, London, England, a Corporation of Great Britain. Renewed November 26, 1927.

66,483. WOOLEN PIECE GOODS. Registered December 3, 1907. WORUMBO MANUFACTURING COMPANY, Bath, Me., a Corporation of Maine. Renewed December 3, 1927.

66,508. A NEWSPAPER. Registered December 10, 1907. THE EVENING STAR NEWSPAPER CO., Washington, D. C., a Corporation of the United States. Renewed December 10, 1927.

66,509. A NEWSPAPER. Registered December 10, 1907. THE EVENING STAR NEWSPAPER CO., Washington, D. C., a Corporation of the United States. Renewed December 10, 1927.

66,513. BRASS AND IRON-PIPE FITTINGS. Registered December 10, 1907. H. MUELLER MANUFACTURING COMPANY. Renewed December 10, 1927, to Mueller Co., Decatur, Ill., a Corporation of Illinois, successor.

66,533. PORTLAND CEMENT. Registered December 10, 1907. UNION PORTLAND CEMENT CO., Denver, Colo., a Corporation of Utah. Renewed December 10, 1927.

66,534. SHOTGUN, RIFLE, AND PISTOL CARTRIDGES, CAPS, AND PRIMERS. Registered December 10, 1907. THE UNION METALLIC CARTRIDGE COMPANY. Renewed December 10, 1927, to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y., a Corporation of Delaware, assignee.

66,541. A CERTAIN REMEDY. Registered December 10, 1907. OTTO WICKE. Renewed December 10, 1927, to Dr. Wicke Medicine Company, Brooklyn, N. Y., assignee.

66,549. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,550. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,551. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,552. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,553. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,554. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,555. CERTAIN PAPER. Registered December 10, 1907. GRAHAM PAPER COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed December 10, 1927.

66,562. CIGARS. Registered December 10, 1907. JULIUS C. NEWMAN, Cleveland, Ohio. Renewed December 10, 1927.

66,675. CERTAIN MEASURING INSTRUMENTS. Registered December 17, 1907. STANLEY RULE & LEVEL COMPANY. Renewed December 17, 1927, to The Stanley Works, New Britain, Conn., a Corporation of Connecticut, assignee.

66,733. A HAND-OPERATED GILDING WHEEL. Registered December 24, 1907. W. H. COE MANUFACTURING CO., Providence, R. I., a Corporation of Rhode Island. Renewed December 24, 1927.

66,734. A HAND-OPERATED GILDING WHEEL. Registered December 24, 1907. W. H. COE MANUFACTURING CO., Providence, R. I., a Corporation of Rhode Island. Renewed December 24, 1927.

66,735. A HAND-OPERATED GILDING WHEEL. Registered Dec. 24, 1907. W. H. COE MANUFACTURING CO., Providence, R. I., a Corporation of Rhode Island. Renewed Dec. 24, 1927.

66,740. CHIFFONS, MALINES, RIBBONS, AND VELVETS. Registered December 24, 1907. FRIEDMAN & DISTILLATOR. Renewed December 24, 1927, to Friedman & Distillator, Inc., New York, N. Y., a Corporation of New York, assignee.

66,749. A TONIC. Registered December 24, 1907. HARTLAND LAW, HERBERT E. LAW. Renewed December 24, 1927, to The Vivi Company, San Francisco, Calif., a Corporation of California, successor.

66,827. PLANES. Registered December 31, 1907. STANLEY RULE & LEVEL COMPANY. Renewed December 31, 1927, to The Stanley Works, New Britain, Conn., a Corporation of Connecticut, assignee.

66,892. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR CO., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,893. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR CO., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,894. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR CO., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,895. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR CO., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

LABELS

REGISTERED AUGUST 23, 1927.

32,605.—*Title:* ADAMS' HOLLYWOOD HAIR TONIC FOR HAIR DRESSING. For Hair Tonic. ALBERT GEORGE ADAMS, doing business as A. G. Adams, Hollywood, Los Angeles, Calif. Published April 24, 1927.

32,606.—*Title:* TEA GARDEN. For Fresh Grapes. LANSING B. BAILEY, Lodi, Calif. Published April 5, 1927.

32,607.—*Title:* BAILEY'S ORIGINAL PURE APPLE CIDER. For Apple Cider. R. M. BAILEY, El Monte, Calif. Published June 25, 1927.

32,608.—*Title:* GOLDEN SWEETS. For Canned Sweet Potatoes. BARNETT & SIBILLE COMPANY, Sunset, Calif. Published May 30, 1927.

32,609.—*Title:* GOLLeWOG. For Candy. BUFFALO CANDY COMPANY, Buffalo, N. Y. Published April 22, 1927.

32,610.—*Title:* KEN-L-RATION THE DOG FOOD SUPREME. For Canned Food for Dogs, Cats, and Other Carnivorous Animals. CHAPPEL BROS., INC., Rockford, Ill. Published March 17, 1924.

32,611.—*Title:* TUF-TEX. For Trousers. THE CROWN OVERALL MFG. CO., Cincinnati, Ohio. Published November 1, 1926.

32,612.—*Title:* CRYSTAL. For Bottled Distilled Water. CRYSTAL DISTILLED WATER CO., Millville, N. J. Published June 13, 1927.

32,613.—*Title:* TILE KLEEN. For a Cleaner. NICHOLAS DE MARK, doing business as De Mark Products Company, Pasadena, Calif. Published July 1, 1927.

32,614.—*Title:* ERATH'S. For a Relish. CHAS. E. ERATH, New Orleans, La. Published February 26, 1927.

32,615.—*Title:* IMPORTED FAMOUS ROQUEFORT CHEESE. For Cheese. WILLIAM FAEHNDRICH, INC., New York, N. Y. Published January 10, 1919.

32,616.—*Title:* FLORIN. For Fresh Grapes. FLORIN FRUIT GROWER'S ASSOCIATION, Florin, Calif. Published June 15, 1927.

32,617.—*Title:* LIFETONE. For Laxative Cleanser. WILLIAM GEORGES, doing business as La Rex Chemical Company, Seattle, Wash. Published April 15, 1927.

32,618.—*Title:* GOLD STAR. For Pretzels. GOLD STAR PRETZEL CO., Reading, Pa. Published July 2, 1927.

32,619.—*Title:* MRS. GUNTRATH'S 2 MINUTE DESSERT. For a Ready-Prepared Material for Making Desserts. GUNTRATH-LORENZEN COMPANY, Chicago, Ill. Published May 20, 1927.

32,620.—*Title:* KRUSCHEN SALTS. For Kruschen Salts Tablets. E. GRIFFITHS HUGHES, INC., Rochester, N. Y. Published March 22, 1927.

32,621.—*Title:* NATURAL CRUSHED WHEAT. For Natural Crushed Wheat. IDA THOMPSON HAWES, doing business as Natural Crushed Wheat Company, Cincinnati, Ohio. Published April 1, 1926.

32,622.—*Title:* FOG MIST COMPRESSED AIR SPRAYER. For Hand Sprayers. B. HELLER & COMPANY, Chicago, Ill. Published June 1, 1927.

32,623.—*Title:* NORCO. For Chemically-Prepared Cloth for Cleaning Silverwear. FRED F. HORST, doing business as Fred F. Horst Company, Bellingham, Wash. Published March 19, 1927.

32,624.—*Title:* COACHELLA VALLEY OASIS. For Fresh Tomatoes. IMPERIAL PRODUCE COMPANY, Los Angeles, Calif. Published June 15, 1927.

32,625.—*Title:* INDIO. For Fresh Tomatoes. IMPERIAL PRODUCE COMPANY, Los Angeles, Calif. Published June 15, 1927.

32,626.—*Title:* BAKE-RITE MASTER LOAF. For Bread. IOWA BAKE RITE COMPANY, Oskaloosa, Ottumwa, Mason City, Newton and Marshalltown, Iowa. Published April 15, 1927.

32,627.—*Title:* KUHN'S SALTED NUTS. For Nuts. DAVID FREDERICK KUHN, Philadelphia, Pa. Published May 2, 1927.

32,628.—*Title:* MANNA MATZOS. For Crackers. THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio. Published June 3, 1927.

32,629.—*Title:* RAT KILLER NO. 9 IS THE ENVELOPE KIND. For Rat Poison. W. C. MCKEE, doing business as No. 9 Chemical Company, Columbus, Ga. Published April 5, 1927.

32,630.—*Title:* O—K. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Frank O. Knerr Dairy Co. Inc., Fargo, N. Dak. Published December 20, 1926.

32,631.—*Title:* O. K. BRAND. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Cloquet Creamery Co., Cloquet, Minn. Published December 20, 1926.

32,632.—*Title:* SUPERIOR BRAND. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Grand Rapids Creamery Co., Grand Rapids, Mich. Published July 11, 1927.

32,633.—*Title:* MAX MILLER'S SPECIAL BOHEMIAN TYPE MALT SYRUP. For Malt Sirup. MAX MILLER, Joliet, Ill. Published April 20, 1927.

32,634.—*Title:* LOGGER. For Malt Sirup. MILWAUKEE MALT SYRUP COMPANY, Milwaukee, Wis. Published July 7, 1927.

32,635.—*Title:* LIBERTY BELL. For Malt Sirup. (NATIONAL PRODUCTS COMPANY,) SOCIETÁ PRODOTTI NAZIONALI, INC., Los Angeles, Calif. Published May 4, 1927.

32,636.—*Title:* LAST OF KORN. For a Remedy for Corns and Calli. J. H. NEWMAN, Chicago, Ill. Published May 15, 1927.

32,637.—*Title:* NORTH GLOW. For Canned Crab Meat. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif. Published March 21, 1927.

32,638.—*Title:* NORTHERN BEAR. FOR Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published July 8, 1927.

32,639.—*Title:* TASTY TATERS. For Potato Chips. PASO FOOD PRODUCT COMPANY, Gloucester and Rockport, Mass. Published June 20, 1927.

32,640.—*Title:* J. T. ROACH POWDER. For Roach Powder. J. T. PIRANIO, Dallas, Tex. Published June 3, 1927.

32,641.—*Title:* TICK TOCK. For Fresh Grapes. REEDLEY FRUIT GROWERS ASSOCIATION, Reedley, Calif. Published April 29, 1927.

32,642.—*Title:* SPIRIT OF ST. LOUIS. For Coffee. THE FRANK A. ROLLING CO. INC., Philadelphia, Pa. Published June 15, 1927.

32,643.—*Title:* RED DEVIL ROACH POWDER. For Insect Powder. HYMAN SADUR, Chicago, Ill. Published May 3, 1927.

32,644.—*Title:* SALADA ORANGE PEKOE & PEKOE. For Tea. SALADA TEA COMPANY, Boston, Mass. Published February 1, 1927.

32,645.—*Title:* THIS IS A PAIR OF LEVI'S. For Overalls. LEVI STRAUSS & COMPANY, San Francisco, Calif. Published April 14, 1927.

32,646.—*Title:* DEL MONTE COFFEE. For Coffee. TILLMAN & BENDEL, INC., San Francisco, Calif. Published June 24, 1927.

32,647.—*Title:* TOPTITE. For Waterproof Coating for Motor-Car Tops. TOPTITE PRODUCTS COMPANY, Savannah, Ga. Published June 8, 1927.

32,648.—*Title:* GRANDMOTHER BLASSER'S ALL-HEALING AND DRAWING SALVE. For a Salve. THE VALLEY DRUG COMPANY, INC., Johnstown, Pa. Published May 26, 1927.

32,649.—*Title:* 4877 COUGH. For a Preparation for Relief of Coughs. THE VALLEY DRUG COMPANY, INC., Johnstown, Pa. Published May 26, 1927.

32,650.—*Title:* VICTORIA SILK TISSUE. For Toilet Paper. THE VICTORIA PAPER MILLS COMPANY, Fulton, N. Y. Published May 17, 1926.

32,651.—*Title:* TREE SILK. For Toilet Paper. THE VICTORIA PAPER MILLS COMPANY, Fulton, N. Y. Published April 21, 1926.

32,652.—*Title:* AZTECA. For Coffee, Cereal, and Chicory. VOLPE BROS., Laredo, Tex. Published May 25, 1927.

PRINTS

REGISTERED AUGUST 23, 1927.

10,118.—*Title:* SERVALL 100% PURE PARAFFINE BASE OIL. For Servall 100% Pure Paraffine Base Oils. IRVEN E. BERNARD, Los Angeles, Calif. Published March 22, 1926.

10,119.—*Title:* CALAVA, THE ARISTOCRAT OF SALAD FRUITS. For Salad Fruit. CALIFORNIA AVOCADO GROWERS EXCHANGE, Los Angeles, Calif. Published January 12, 1927.

10,120.—*Title:* DIFFIN'S KAT-A-LINA RED-HOT, A PEDIGREED SANDWICH. For a Frankfurter Sandwich. HARRY DAVIS DIFFIN, Avalon, Santa Catalina Island, Calif. Published July 13, 1927.

10,121.—*Title:* GRENNAN COOK-BOOK COOKIES. For Grennan Cookbook Cookies. GRENNAN BAKERIES, INC., Chicago, Ill. Published May 15, 1927.

10,122.—*Title:* RAT KILLER No. 9 IS THE ENVELOPE KIND. For Rat Poison. W. C. MCKEE, doing business as The No. 9 Chemical Company, Columbus, Ga. Published April 5, 1927.

10,123.—*Title:* HOW YOU DO RELISH OUR X-LLENT ICE CREAM. For Ice Cream. W. F. MONTREY, St. Louis, Mo. Published June 18, 1927.

10,124.—*Title:* J. J. NOONAN'S ROSE & SINGLE COMBS RHODE ISLAND REDS POULTRY. For Poultry. J. J. NOONAN, Trafalgar, Ind. Published May 28, 1927.

10,125.—*Title:* SEA SHELL MACARONI. For a Food Product. THE PFAFFMANN EGG NOODLE COMPANY, Cleveland, Ohio. Published June 29, 1927.

10,126.—*Title:* SWANS DOWN CAKE FLOUR MAKES WONDERFUL CAKE A CERTAINTY. For Cake Flour. POSTUM CO., INC., New York, N. Y. Published June 27, 1927.

10,127.—*Title:* SWANS DOWN CAKE FLOUR IS 27 TIMES AS FINE AS BREAD FLOUR. For Cake Flour. POSTUM CO., INC., New York, N. Y. Published June 27, 1927.

10,128.—*Title:* FLYING CLOUD. For Motor Vehicles. REO MOTOR CAR COMPANY, Lansing, Mich. Published November 12, 1926.

10,129.—*Title:* WM. A. ROGERS SECTIONAL SILVER PLATE. For Silver-Plated Ware. WM. A. ROGERS, LTD., Niagara Falls, N. Y. Published January 5, 1927.

10,130.—*Title:* HEIRLOOM PLATE. For Silver-Plated Ware. WM. A. ROGERS, LTD., Niagara Falls, N. Y. Published January 5, 1927.

10,131.—*Title:* THE 'SEALON' HOOD CAP, PATENTED OCT. 12, 1926. DESIGN PATENT PENDING, COPYRIGHT 1927 BY SEALRIGHT CO., INC. For Sealright Sealon Hoodcaps. SEALRIGHT CO. INC., Fulton, N. Y. Published May 15, 1927.

10,132.—*Title:* HOLLYWOOD SEAMLESS CROTCH SWIMMING SUITS. For Swimming Suits. WEST COAST KNITTING MILLS, Los Angeles, Calif. Published March 28, 1927.

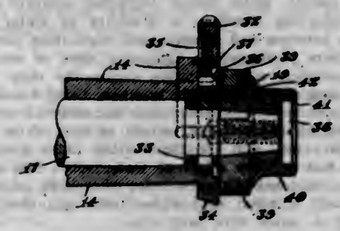
REISSUES

AUGUST 23, 1927.

16,709. RECOVERY OF OXIDES OF NITROGEN IN SULPHURIC-ACID MANUFACTURE. ANDREW M. FAIRLIE, Atlanta, Ga. Filed Aug. 24, 1926. Serial No. 131,305. Original No. 1,420,477, dated June 20, 1922, Serial No. 382,519, filed May 19, 1920. 33 Claims. (Cl. 23—161.)

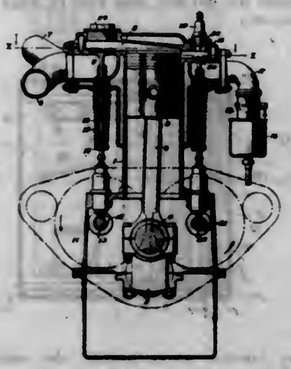
1. A process of recovering the nitrogen oxides present in the exit gases discharged from a sulphuric acid manufacturing plant, which consists in first substantially completely removing the sulphur dioxide from such gases, thereafter oxidising the oxides of nitrogen to the higher state of oxidation and absorbing the same.

16,710. SHANK-BEATING AND STITCH-RUBBING MACHINE. LOUIS G. FREEMAN, Cincinnati, Ohio, assignor to Louis G. Freeman and Charles F. Freeman, trustees, Cincinnati, Ohio. Filed Nov. 23, 1926. Serial No. 150,359. Original No. 1,521,877. dated Jan. 6. 1925, Serial No. 515,068, filed Nov. 16, 1921. 15 Claims. (Cl. 12—17.)



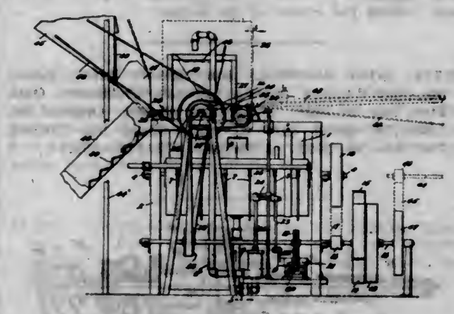
9. A shank beating and stitch rubbing machine, having in combination a guide, a beating iron, and a channel flap guard, said guide being adapted to engage the sole edge of a shoe.

16,711. CONSTANT-COMPRESSION INTERNAL-COMBUSTION ENGINE. ANDREW L. RIKER, Fairfield, Conn. Filed Oct. 13, 1925. Serial No. 62,227. Original No. 1,533,947, dated Apr. 14, 1925, Serial No. 459,807, filed Apr. 8, 1921. 9 Claims. (Cl. 123—75.)



1. An internal combustion engine, comprising a cylinder affording a compression end and provided with a valve controlled exhaust outlet, a piston reciprocatable within said cylinder, an air inlet valve leading to said compression end and adapted to be maintained at fixed capacity, which capacity is adapted to freely supply said cylinder with a sufficient charge of air for any explosion therein regardless of the capacity at which the engine is working, a gaseous fuel inlet valve leading to said cylinder, and means for timing said gaseous fuel inlet valve relative to said air inlet valve whereby the operation of said valves can preferably be simultaneous when the engine is working at full capacity, or the operation of said gaseous fuel inlet valve can be retarded relative to the operation of said air inlet valve when the engine is working at less than full capacity.

16,712. PROCESS AND APPARATUS FOR MAKING CONFECTIONS. WILLIAM S. CLOUD, Berkeley, Calif. Filed Feb. 19, 1927. Serial No. 169,640. Original No. 1,462,883, dated July 24, 1923, Serial No. 636,071. filed May 2, 1923. 19 Claims. (Cl. 107—1.)

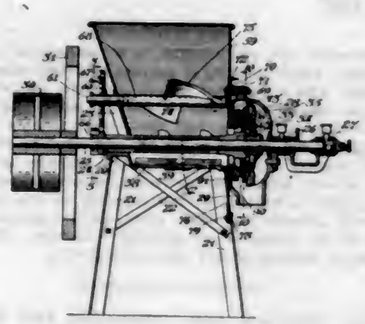


15. In an apparatus of the class described, in combination, means for moving candy centers comprising an endless conveyor and means for driving the same, of means for delivering a stream of preheated coating material to the upper side of said conveyor, a member extending beneath the upper flight adjacent the point of d livery of said stream and with which said upper flight contacts, means for regulating the rate of flow of said coating material with respect to the speed of the conveyor so that said centers will be submerged as they pass beneath the flood point, means for driving such conveyor at such a speed that said centers will be dislodged from said conveyor at the delivery end thereof by centrifugal force, means for showering said enrobed centers with edible units during the movement of said centers, tumbling means for effecting an intimate commingling of said enrobed centers and edible units so as to completely envelop said centers with edible units, and means for separating said enveloped centers from the excess edible units.

16,713. GRINDING MACHINE. JOHN HOLLAND-LETZ, Crown Point, Ind., assignor to The Letz Manufacturing Company, Crown Point, Ind., a Corporation of Indiana. Filed June 4, 1927. Serial No. 196,618. Original No. 1,602,760, dated Oct. 12, 1926, Serial No. 713,697, filed May 17, 1924. 19 Claims. (Cl. 83—8.)

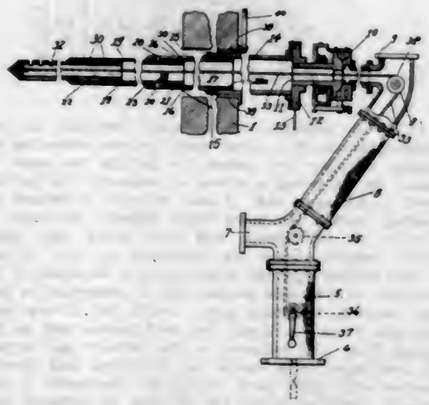
1. In a machine of the class described, the combination with a hopper, of a toothed concave secured at the bottom thereof, a shaft journalled concentrically with the concave, teeth on the shaft co-operating with the

teeth on the concave, a discharge outlet from one end of the concave toward which the material is fed by the teeth on the shaft, a second shaft journalled in the hopper



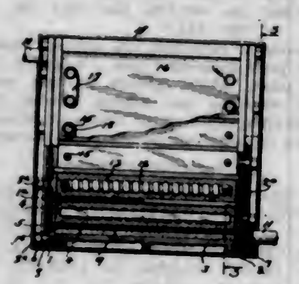
above the toothed shaft, and a projection on said second shaft designed to feed the material, passing some of it back toward the center of the hopper.

16,714. SOOT BLOWER. JOHN HENRY REEDY, Hamilton, and WILLIAM JOSEPH LICKERT, Cincinnati, Ohio. Filed Nov. 9, 1926. Serial No. 147,346. Original No. 1,591,779, dated July 6, 1926. Serial No. 674,982, filed Nov. 15, 1923. 4 Claims. (Cl. 122—392.)



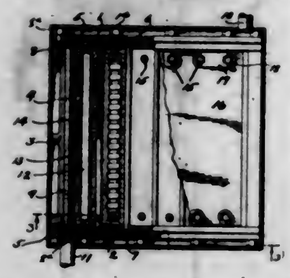
3. In a soot blower, a tubular member located in the wall of a boiler, a series of straight telescoping tubes located within said tubular member with the outermost of the telescoping tubes keyed to said tubular member, means for keying each tube to another so as to maintain a slidable, but nonrotatable relation between them, means for extending the tubes and means for retracting the tubes each with relation to another so as to control the position of said tubes with relation to the tubular member, means for rocking the tubular member, means for injecting steam therein, and steam outlets located in spaced relation substantially throughout the series of tubes, so as to emit jets of steam substantially throughout the length of the telescopic structure, when the tubes are extended.

16,715. ELECTRIC WATER HEATER. SAMUEL D NESMITH, San Diego, Calif., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. Kathryn Osborn, J. H. Bulmer, and Mrs. Mary E. Nesmith, San Diego, Calif.; Roger Welles and R. R. Richardson, Navy; E. J. Callahan, Guadalajara, Mexico; George H. Schmidt, Walter C. Stitt, F. F. Grant, H. M. Sammis, Paul J. Hartley, and R. C. Easom. Filed May 11, 1926. Serial No. 108,409. Original No. 1,574,053, dated Feb. 23, 1926, Serial No. 667,221, filed Oct. 8, 1923. 6 Claims. (Cl. 219—39.)



1. An electric water heater, including separate spaced apart supporting members, a plurality of water tubes extending between and through said supporting members, end members positioned on the outer sides of said supporting members and extending across the ends of all of said tubes, said supporting members being recessed to provide recesses between the supporting and end members for connecting the ends of certain of said water tubes with each other, and electric heating units positioned adjacent and between adjacent water tubes and spaced therefrom, said heating units being removably positioned between and adjacent said water tubes and electrically connected in series with each other.

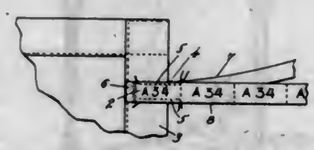
16,716. ELECTRIC WATER HEATER. SAMUEL D. NESMITH, San Diego, Calif., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. Kathryn Osborn, J. H. Bulmer, and Mrs. Mary E. Nesmith, San Diego, Calif.; Roger Welles and R. R. Richardson, Navy; E. J. Callahan, Guadalajara, Mexico; George H. Schmidt, Walter C. Stitt, F. F. Grant, H. M. Sammis, Paul J. Hartley, and R. C. Easom. Filed May 11, 1926. Serial No. 108,410. Original No. 1,574,054, dated Feb. 23, 1926, Serial No. 691 953, filed Feb. 11, 1924. 3 Claims. (Cl. 219—39.)



1. In an electric water heater, the combination of a plurality of vertically extending open ended flattened water tubes, a supporting channel member at each end of said tubes provided with openings for the passage of water therethrough, said openings lying abreast of the openings in said tubes, a cover plate for said channel

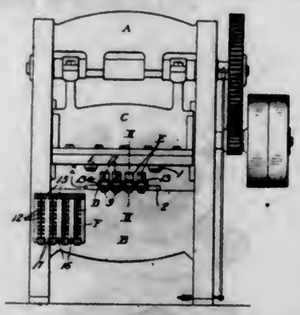
members to provide continuous water passageways across the ends of all of said tubes to thereby connect the said tubes in multiple, spacing members interposed between said supporting members, and means for removably attaching the cover plate, supporting members and spacing members to each other to provide a unitary structure.

16,717. LAUNDRY-MARKING TAG. CHESTER W. CANINE, Cincinnati, Ohio. Filed Apr. 13, 1927. Serial No. 184,130. Original No. 1,571,792, dated Feb. 2, 1926, Serial No. 462,565, filed Apr. 19, 1921. 7 Claims. (Cl. 40—2.)



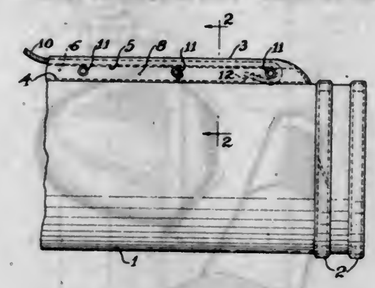
1. A marking tag, comprising essentially strips of tape mounted upon opposed faces of an article to be identified and fastened together through the article by suitable fastening passing through the tape and the article, whereby the strips may be torn apart with the strain of the fastening confined to the tape and leaving the interlying article free.

16,718. MEANS FOR EMBOSSING. JAMES H. MATTHEWS, Pittsburgh, Pa., assignor to Jas. H. Matthews & Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 27, 1927. Serial No. 194,832. Original No. 1,145,251, dated July 6, 1915, Serial No. 8,496, filed Feb. 16, 1915. Reissue No. 15,279, dated Jan. 31, 1922, Serial No. 500,258, filed Sept. 12, 1921. 5 Claims. (Cl. 101—18.)



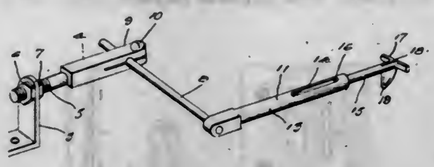
1. In combination with a press provided with a bed and a ram, a changeable die for said press comprising a lower die plate adapted to be removably mounted on said bed and an upper die plate connected to said lower die plate, but unattached to the ram and adapted to be forced down against the same by said ram, and means mounted on said bed and engaging said second die plate to raise the same when said ram is elevated.

16,719. FLEXIBLE VENTILATING HOSE. WILLIAM HOOPER EVANS, Bridgeport, Conn. Filed Feb. 8, 1927. Serial No. 166,797. Original No. 1,586,418, dated Aug. 17, 1926, Serial No. 731,183, filed Aug. 9, 1924. 12 Claims. (Cl. 137—90.)



1. An air hose constructed of flexible fabric, sewn to form a longitudinal butt-joint, and having flexible joint-reinforcing means extending along said joint and secured to the hose, and suspension means co-operating with the butt joint and reinforcing means, whereby said reinforcing means receives the weight of the hose.

16,720. CLOTH GAUGE. WALLACE H. O'NEILL, Hazleton, Pa. Filed June 13, 1927. Serial No. 198,666. Original No. 1,613,289, dated Jan. 4, 1927, Serial No. 69,540, filed Nov. 16, 1925. 9 Claims. (Cl. 139—1.)



3. The combination of a plunger for the purpose set forth, said plunger having a T-head and a bifurcation between the oppositely directed portions of said T-head, and an element for dropping over the edge of woven cloth and into warp threads; the said element being in the form of a knife blade, and being fixed in said bifurcation.

DESIGNS

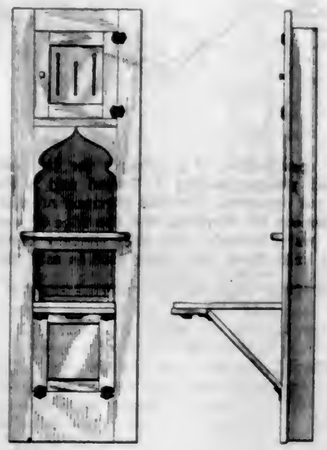
AUGUST 23, 1927.

73,275. CHAIR. JOHN B. ADLER, Aurora, Ill., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed May 18, 1927. Serial No. 22,028. Term of patent 14 years.



The ornamental design for a chair as shown.

73,276. TELEPHONE CABINET. ROY C. BENNETT, Hendersonville, N. C. Filed Mar. 25, 1927. Serial No. 21,348. Term of patent 14 years.



The ornamental design for a telephone cabinet, as shown.

73,277. STATUETTE. SAMUEL I. BERGER, Newark, N. J. Filed May 11, 1925. Serial No. 13,402. Term of patent 7 years.



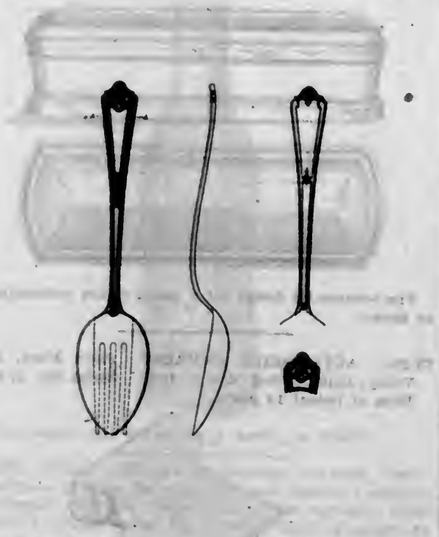
The ornamental design for a statuette as shown.

73,278. BOTTLE OR SIMILAR PERFUME CONTAINER. RUBY T. BREWSTER, New York, N. Y. Filed Apr. 30, 1927. Serial No. 21,804. Term of patent 3½ years.



The ornamental design for a bottle or similar perfume container, as shown and described.

73,279. SPOON OR SIMILAR ARTICLE. WILLIAM T. BROWN, Attleboro, Mass., assignor to The Watson Company, Attleboro, Mass. Filed May 17, 1927. Serial No. 22,013. Term of patent 14 years.



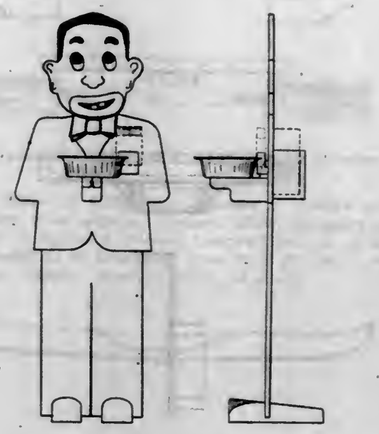
The ornamental design for a spoon or similar article as shown.

73,280. FLOWER BLOCK. RAY C. COBLE, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Partnership. Filed May 3, 1927. Serial No. 21,849. Term of patent 14 years.



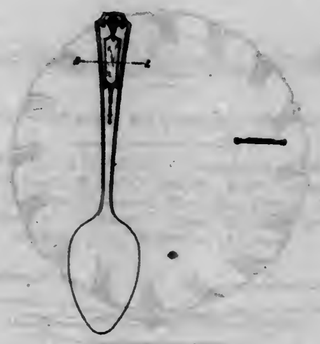
The ornamental design for a flower block, as shown.

73,281. SMOKER'S STAND. JOHN C. CRAMER, Dayton, Ohio. Filed Apr. 13, 1927. Serial No. 21,578. Term of patent 3½ years.



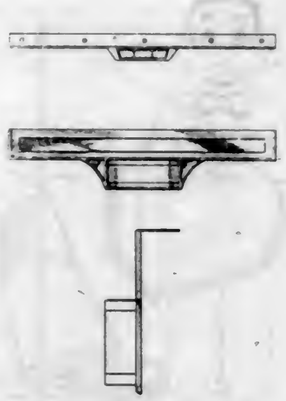
The ornamental design for a smoker's stand substantially as shown.

73,282. SPOON OR SIMILAR ARTICLE. ROY L. DANKS and MAX L. BAKER, New Haven, Conn., assignors to The Regal Silver Mfg. Co., New Haven, Conn., a Corporation. Filed Dec. 4, 1926. Serial No. 19,932. Term of patent 14 years.



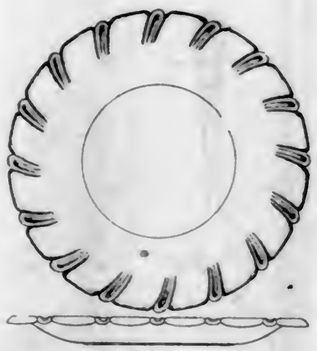
The ornamental design for a spoon or similar article as shown.

73,283. WALL POCKET OR SIMILAR ARTICLE. RUDOLPH DE BOER, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a Corporation of Michigan. Filed May 13, 1927. Serial No. 21,962. Term of patent 7 years.



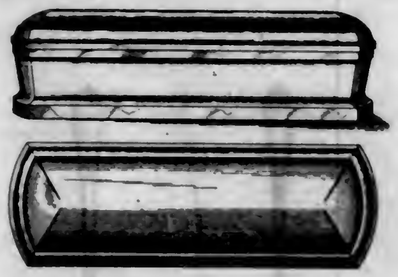
The ornamental design for a wall pocket or similar articles substantially as shown.

73,284. DISH OR ANALOGOUS ARTICLE. RICHARD DIMES, Jr., Everett, Mass., assignor to Richard Dimes Co., South Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1927. Serial No. 22,509. Term of patent 3½ years.



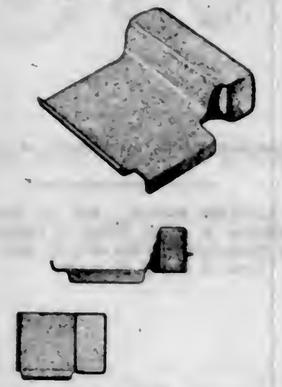
The ornamental design for a dish or analogous article, as shown.

73,285. BURIAL CASKET. JOSEPH E. FALCK, Pittsburgh, Pa., assignor to National Casket Company, Incorporated, Pittsburgh, Pa., a Corporation of New York. Filed May 7, 1927. Serial No. 21,877. Term of patent 14 years.



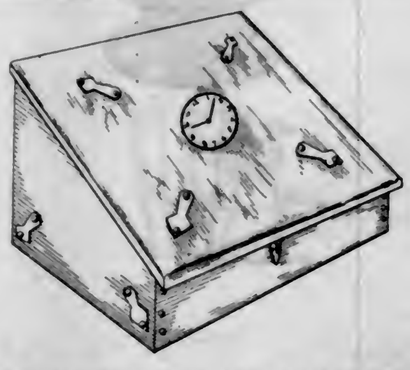
The ornamental design for a burial casket substantially as shown.

73,286. AUTOMOBILE ARMREST. JOHN FINN, Mill Valley, Calif. Filed May 9, 1927. Serial No. 21,886. Term of patent 14 years.



The ornamental design for an automobile armrest substantially as shown.

73,287. BOX. FRANCIS F. HAMILTON, Indianapolis, Ind. Filed Oct. 14, 1926. Serial No. 19 352. Term of patent 3½ years.



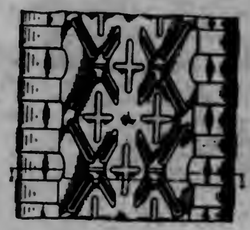
The ornamental design for a box, as shown and described.

73,288. BOTTLE. JAMES F. HARRISON, Chattanooga, Tenn., assignor to Chattanooga Bottle & Glass Manufacturing Company, Chattanooga, Tenn., a Corporation of Tennessee. Filed May 18, 1927. Serial No. 22,034. Term of patent 14 years.



The ornamental design for a bottle, as shown.

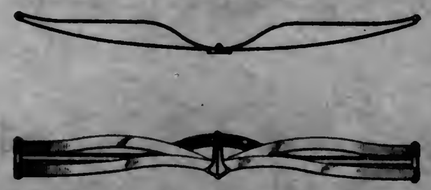
73,289. TIRE. WILLIAM C. HOOVER, Norwalk, Conn., assignor to The Norwalk Tire and Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed May 7, 1927. Serial No. 21,881. Term of patent 14 years.





The ornamental design for a tire, as shown.

73,290. VEHICLE BUMPER. HERBERT S. JANDUS and ROBERT A. FLUM, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,046. Term of patent 14 years.



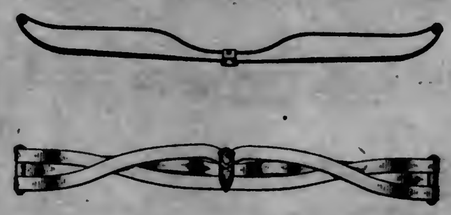
The ornamental design for a vehicle bumper, as shown.

73,291. VEHICLE BUMPER. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,047. Term of patent 14 years.



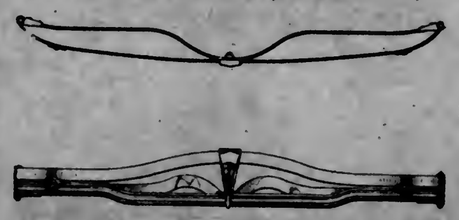
The ornamental design for a vehicle bumper, as shown.

73,292. VEHICLE BUMPER. HERBERT S. JANDUS and EVERETT RUSH KESLER, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,051. Term of patent 14 years.



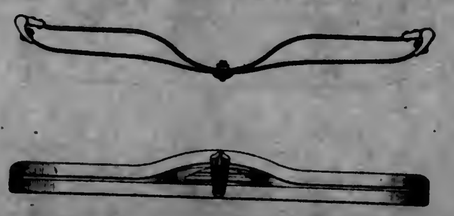
The ornamental design for a vehicle bumper, as shown.

73,293. VEHICLE BUMPER. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,054. Term of patent 14 years.



The ornamental design for a vehicle bumper, as shown.

73,294. VEHICLE BUMPER. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,055. Term of patent 14 years.



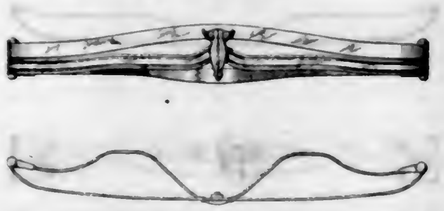
The ornamental design for a vehicle bumper, as shown.

73,295. VEHICLE BUMPER. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,056. Term of patent 14 years.



The ornamental design for a vehicle bumper, as shown.

73,296. VEHICLE BUMPER. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,058. Term of patent 14 years.



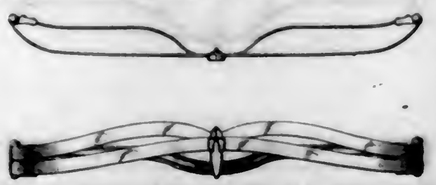
The ornamental design for a vehicle bumper, as shown.

73,297. VEHICLE BUMPER. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,059. Term of patent 14 years.



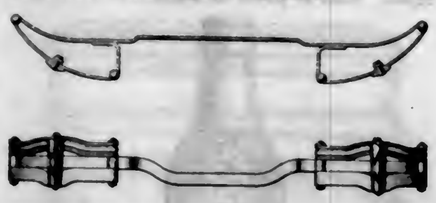
The ornamental design for a vehicle bumper, as shown.

73,298. VEHICLE BUMPER. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,060. Term of patent 14 years.



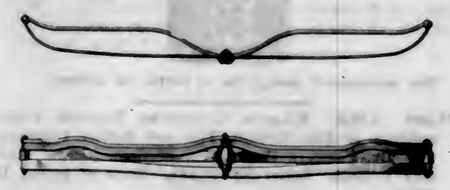
The ornamental design for a vehicle bumper, as shown.

73,299. VEHICLE BUMPER. HERBERT S. JANDUS and EVERETT RUSH KEELOR, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,063. Term of patent 14 years.



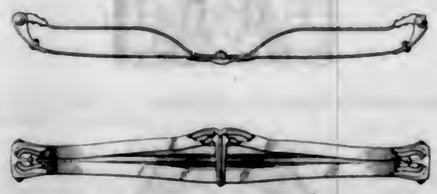
The ornamental design for a vehicle bumper, as shown.

73,300. VEHICLE BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,064. Term of patent 14 years.



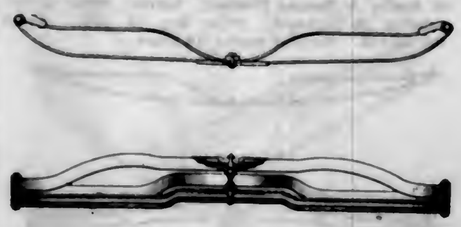
The ornamental design for a vehicle bumper, as shown.

73,301. VEHICLE BUMPER. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,065. Term of patent 14 years.



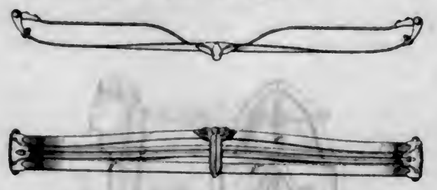
The ornamental design for a vehicle bumper, as shown.

73,302. VEHICLE BUMPER. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,066. Term of patent 14 years.



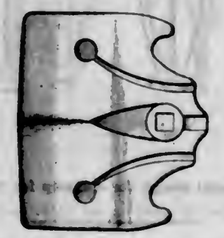
The ornamental design for a vehicle bumper, as shown.

73,303. VEHICLE BUMPER. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,067. Term of patent 14 years.



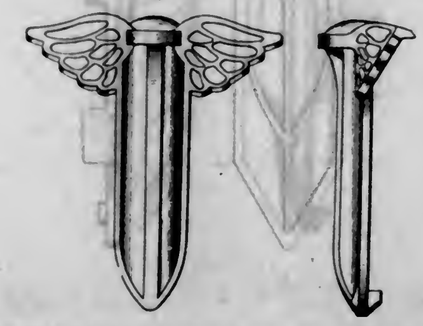
The ornamental design for a vehicle bumper, as shown.

73,304. PLATE FOR VEHICLE BUMPERS. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,069. Term of patent 14 years.



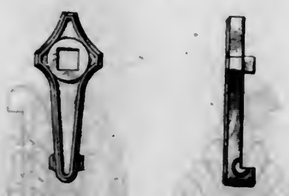
The ornamental design for a plate for vehicle bumpers, as shown.

73,305. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,070. Term of patent 14 years.



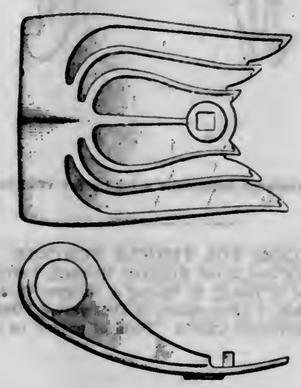
The ornamental design for a clamp for vehicle bumpers, as shown.

73,306. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and CHARLES E. RASMUSSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,072. Term of patent 14 years.



The ornamental design for a clamp for vehicle bumpers, as shown.

73,307. PLATE FOR VEHICLE BUMPERS. HERBERT S. JANDUS and NORMAN VAN HUSEN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,073. Term of patent 14 years.



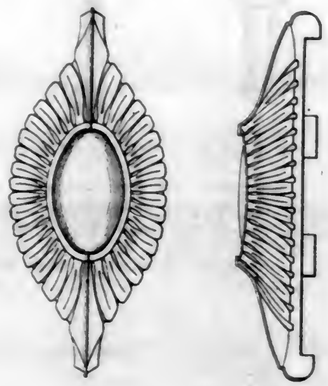
The ornamental design for a plate for vehicle bumpers, as shown.

73,308. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,074. Term of patent 14 years.



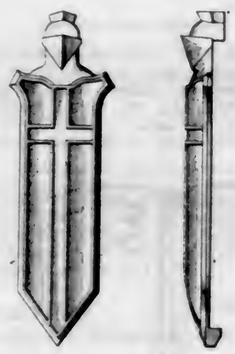
The ornamental design for a clamp for vehicle bumpers, as shown.

73,309. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,075. Term of patent 14 years.



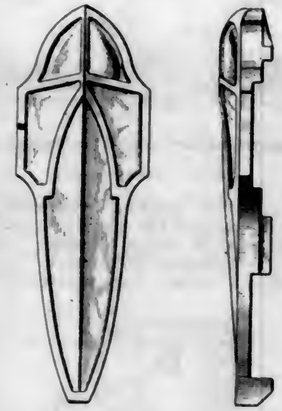
The ornamental design for a clamp for vehicle bumpers, as shown.

73,310. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,076. Term of patent 14 years.



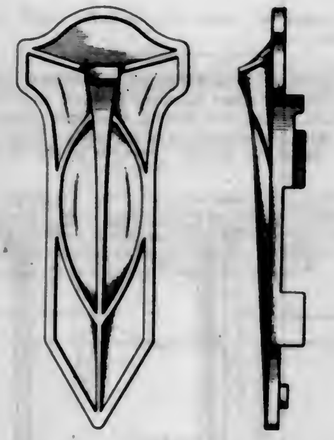
The ornamental design for a clamp for vehicle bumpers, as shown.

73,311. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,077. Term of patent 14 years.



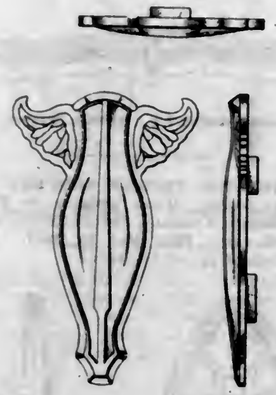
The ornamental design for a clamp for vehicle bumpers, as shown.

73,312. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,078. Term of patent 14 years.



The ornamental design for a clamp for vehicle bumpers, as shown.

73,313. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,079. Term of patent 14 years.



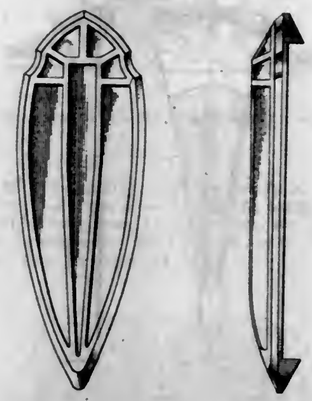
The ornamental design for a clamp for vehicle bumpers, as shown.

73,314. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and EVERETT RUSH KEELOR, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,082. Term of patent 14 years.



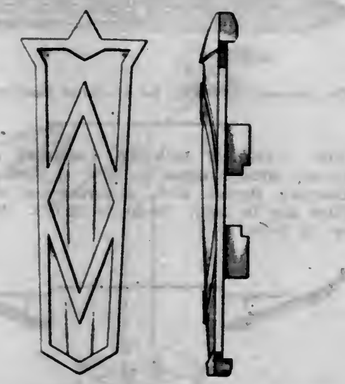
The ornamental design for a clamp for vehicle bumpers, as shown.

73,315. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and EVERETT RUSH KEELOR, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich, a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,083. Term of patent 14 years.



The ornamental design for a clamp for vehicle bumpers, as shown.

73,316. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich, a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,085. Term of patent 14 years.



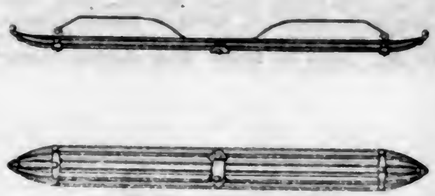
The ornamental design for a clamp for vehicle bumpers, as shown.

73,317. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich, a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,086. Term of patent 14 years.



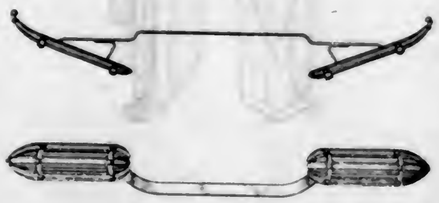
The ornamental design for a clamp for vehicle bumpers, as shown.

73,318. VEHICLE BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,087. Term of patent 14 years.



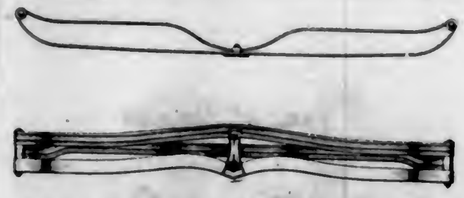
The ornamental design for a vehicle bumper, as shown.

73,319. VEHICLE BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,088. Term of patent 14 years.



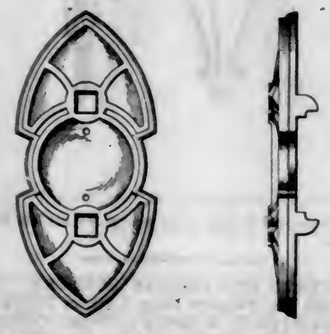
The ornamental design for a vehicle bumper, as shown.

73,320. VEHICLE BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,091. Term of patent 14 years.



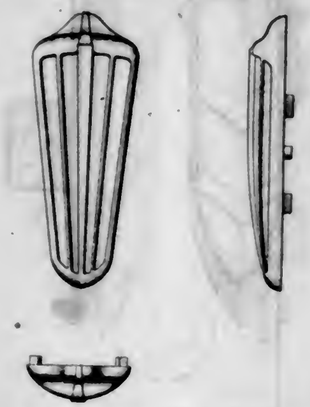
The ornamental design for a vehicle bumper, as shown.

73,321. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed May 19, 1927. Serial No. 22,095. Term of patent 14 years.



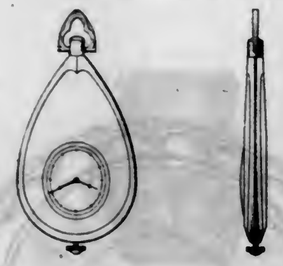
The ornamental design for a clamp for vehicle bumpers, as shown.

73,322. CLAMP FOR VEHICLE BUMPERS. HERBERT S. JANDUS and JOHN RICHARD MORGAN, Detroit, Mich., assignors to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed June 4, 1927. Serial No. 22,334. Term of patent 14 years.



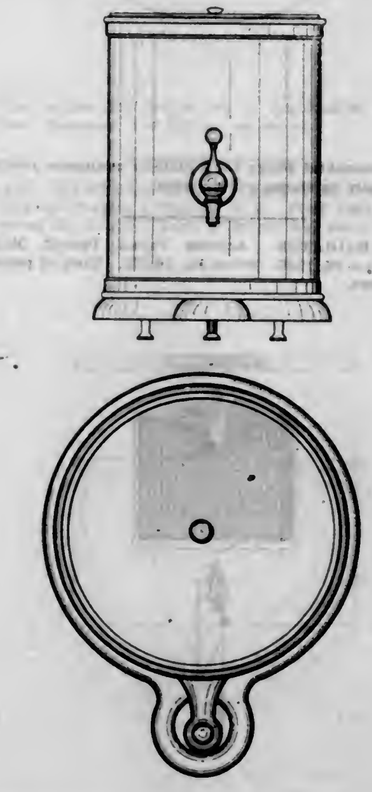
The ornamental design for a clamp for vehicle bumpers, as shown.

73,323. WATCH. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed Nov. 20, 1925. Serial No. 15,485. Term of patent 14 years.



The ornamental design for a watch substantially as shown.

73,324. BEVERAGE-DISPENSING CONTAINER. WILLIAM E. LEIBING, Oakland, Calif., assignor to Magnus Fruit Products Co., San Francisco, Calif., a Corporation of California. Filed Apr. 28, 1926. Serial No. 17,491. Term of patent 3½ years.



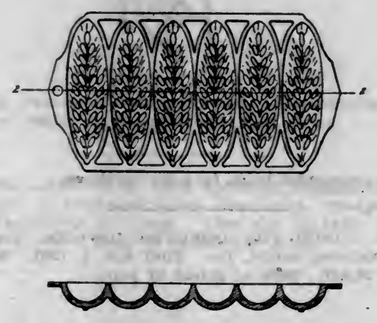
The ornamental design for a beverage dispensing container, as shown.

73,325. MEDALLION FOR CHANDELIERS. CHARLES W. LOGAN, Kenmore, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,751. Term of patent 3½ years.



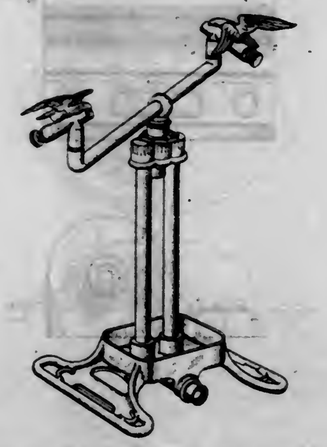
The ornamental design for a medallion for chandeliers, as shown.

73,326. METAL BAKING PAN. CHARLES A. MASSING, Mill Creek Township, Erie County, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1925. Serial No. 15,803. Term of patent 14 years.



The ornamental design for a metal baking pan, as shown.

73,327. SPRINKLER. MICHAEL W. MCARDLE, Chicago, Ill. Filed May 20, 1927. Serial No. 22,105. Term of patent 14 years.



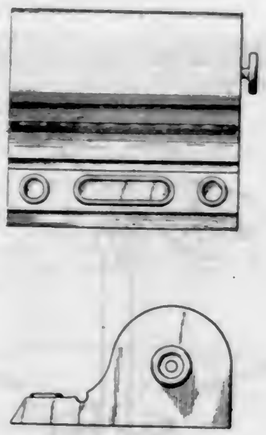
The ornamental design for a sprinkler as shown.

73,328. TOY. FRANK MUCCI, New York, N. Y. Filed June 1, 1927. Serial No. 22,268. Term of patent 14 years.



The ornamental design for a toy, as shown.

73,329. CASING FOR COMPUTING DEVICES. SAMUEL O. NATIONS, Snyder, Tex. Filed Apr. 4, 1927. Serial No. 21,447. Term of patent 14 years.



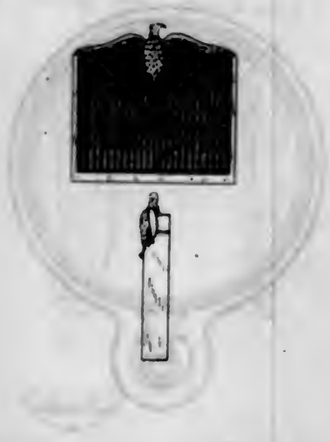
The ornamental design for a casing for computing devices, as shown.

73,330. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed May 18, 1927. Serial No. 22,029. Term of patent 7 years.



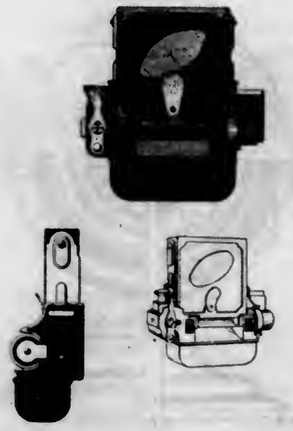
The ornamental design for a plate or analogous article, substantially as shown and described.

73,331. RADIATOR. ANDREW PALKA, Detroit, Mich. Filed Jan. 26, 1926. Serial No. 16,272. Term of patent 3½ years.



The ornamental design for a radiator, as shown.

73,332. COMBINATION CIGARETTE HOLDER, DISPENSER, AND LIGHTER. LEWIS PENGILLY, Oakland, Calif. Filed Feb. 16, 1927. Serial No. 20,787. Term of patent 14 years.



The ornamental design for a combination cigarette holder, dispenser, and lighter, as shown.

73,333. HAND-BAG FRAME. ERNEST B. PORTER and EDWARD PORTER, Irvington, N. J. Filed June 9, 1926. Serial No. 17,997. Term of patent 3½ years.



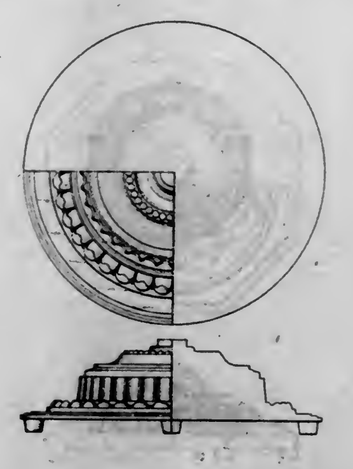
The ornamental design for a hand bag frame as shown.

73,334. BODY FOR LANTERNS OR ARTICLES OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed June 3, 1927. Serial No. 22,305. Term of patent 3½ years.



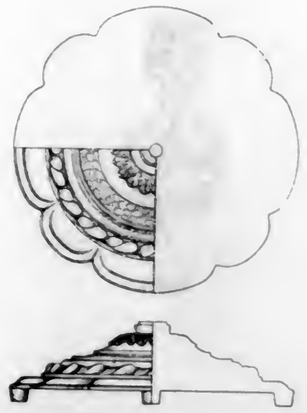
The ornamental design for a body for lanterns or articles of similar nature substantially as shown.

73,335. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 21,689. Term of patent 3½ years.



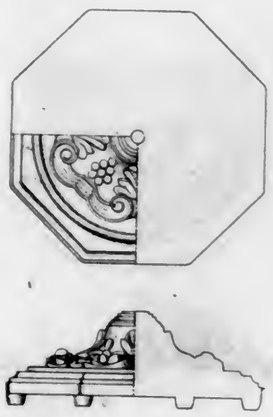
The ornamental design for a lamp base, substantially as shown.

73,336. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 21,690. Term of patent 3½ years.



The ornamental design for a lamp base, substantially as shown.

73,337. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 21,691. Term of patent 3½ years.



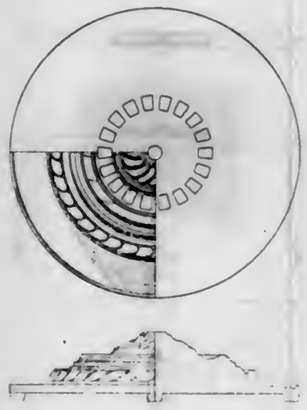
The ornamental design for a lamp base, substantially as shown.

73,338. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 21,692. Term of patent 3½ years.



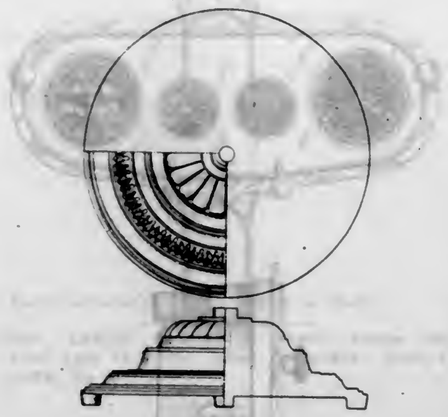
The ornamental design for a lamp base, substantially as shown.

73,339. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 22, 1927. Serial No. 21,693. Term of patent 3½ years.



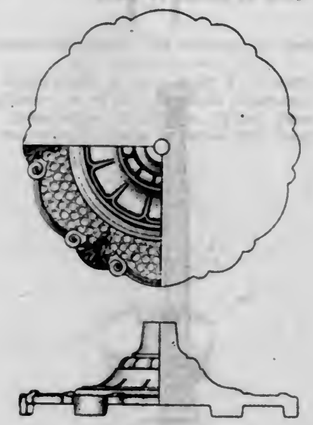
The ornamental design for a lamp base, substantially as shown.

73,340. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,716. Term of patent 3½ years.



The ornamental design for a lamp base, substantially as shown.

73,341. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,717. Term of patent 3½ years.



The ornamental design for a lamp base, substantially as shown.

73,342. LAMP BASE. MAX ROTHBART, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1927. Serial No. 21,718. Term of patent 3½ years.



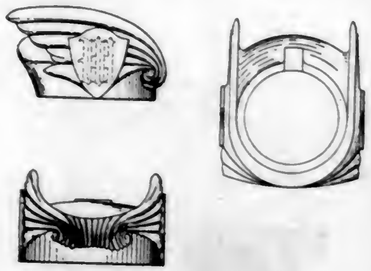
The ornamental design for a lamp base, substantially as shown.

73,343. LIGHTING-FIXTURE ROSETTE. MORRIS SCHLEPP, New York, N. Y. Filed May 12, 1927. Serial No. 21,945. Term of patent 3½ years.



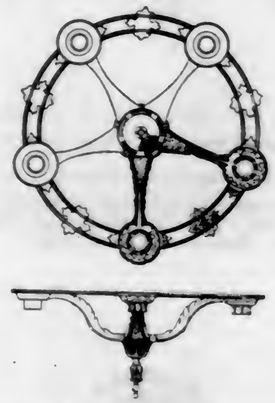
The ornamental design for a lighting fixture rosette, substantially as shown.

73,344. RADIATOR CAP. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 18, 1925. Serial No. 13,161. Term of patent 7 years.



The ornamental design for a radiator cap substantially as shown.

73,345. LIGHTING FIXTURE. HARRY SHARDLOW, Los Angeles, Calif., assignor to Solar Lighting Fixture Co., Los Angeles, Calif., a Corporation of California. Filed May 4, 1927. Serial No. 21,858. Term of patent 3½ years.



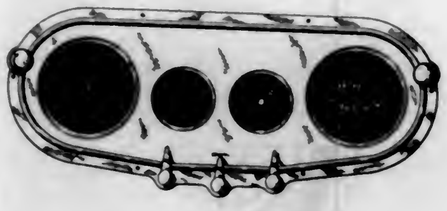
The ornamental design for a lighting fixture, as shown.

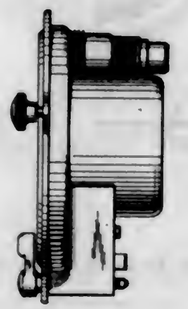
73,346. GAS HEATER. WILLIAM L. SHARP, Steubenville, Ohio, assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed June 4, 1927. Serial No. 22,325. Term of patent 7 years.



The ornamental design for a gas heater, as shown.

73,347. INSTRUMENT-BOARD PANEL. ALLAN GORDON SMITH, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Filed June 22, 1926, Serial No. 18,137, and in Great Britain May 14, 1926. Term of patent 7 years.





The ornamental design for an instrument board panel as shown.

73,348. LIGHTING POST. WESTERN UNDERWOOD, Los Angeles, Calif. Filed May 31, 1927. Serial No. 22,249. Term of patent 14 years.



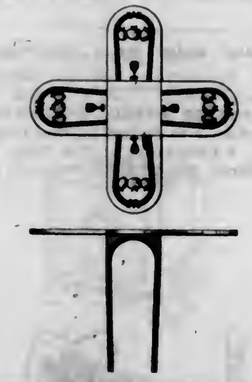
The ornamental design for a lighting post, as shown.

73,349. CHAIR. CHARLES W. WESTON, Pampa, Tex. Filed June 13, 1927. Serial No. 22,411. Term of patent 3½ years.



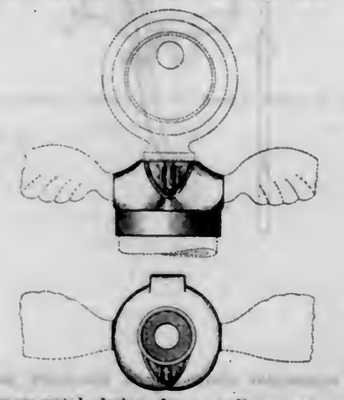
The ornamental design for a chair, as shown.

73,350. TABLE. CHARLES W. WESTON, Pampa, Tex. Filed June 13, 1927. Serial No. 22,413. Term of patent 3½ years.



The ornamental design for a table, as shown.

73,351. RADIATOR CAP. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed June 8, 1925. Serial No. 13,704. Term of patent 3½ years.



The ornamental design for a radiator cap substantially as shown.

73,352. CHANDELIER. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,742. Term of patent 3½ years.



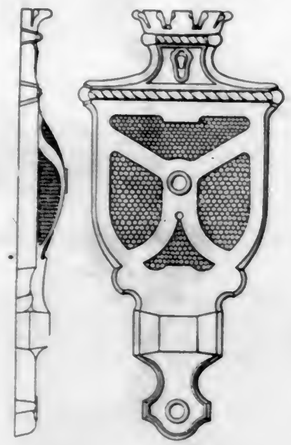
The ornamental design for a chandelier, as shown.

73,352. CHANDELIER. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,743. Term of patent 3½ years.



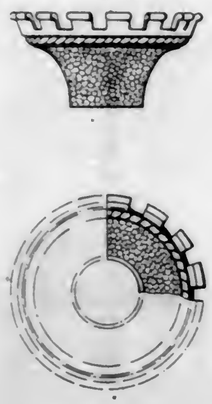
The ornamental design for a chandelier, as shown.

73,354. WALL PLATE FOR ELECTRIC-LIGHT FIXTURES. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,744. Term of patent 3½ years.



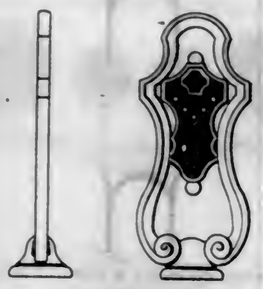
The ornamental design for a wall plate for electric light fixtures, as shown.

73,355. HUSK FOR INCANDESCENT LAMPS. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,745. Term of patent 3½ years.



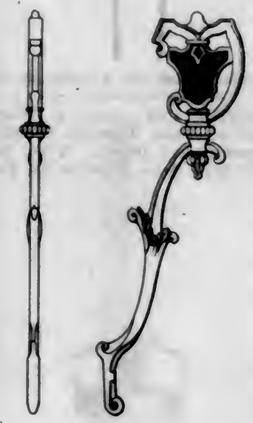
The ornamental design for a husk for incandescent lamps as shown.

73,356. CHANDELIER LOOP. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,746. Term of patent 3½ years.



The ornamental design for a chandelier loop, as shown.

73,357. CHANDELIER BRACE. FRANK YOKEL, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 27, 1927. Serial No. 21,748. Term of patent 3½ years.



The ornamental design for a chandelier brace, as shown.

73,358. TABLE LAMP. LORIN W. YOUNG, New York, N. Y. Filed Apr. 5, 1927. Serial No. 21,457. Term of patent 3½ yeaars.



The ornamental design for a table lamp as shown.

73,359. ELECTRIC RANGE. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartsbaugh Manufacturing Company, Toledo, Ohio, a Corporation. Filed Jan. 24, 1927. Serial No. 20,484. Term of patent 14 years.



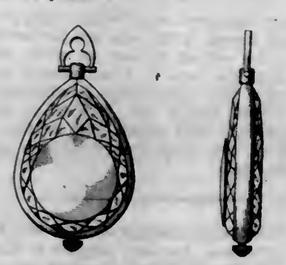
The ornamental design for an electric range as shown.

73,360. WATCH CRYSTAL. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed Jan. 9, 1925. Serial No. 11,982. Term of patent 14 years.



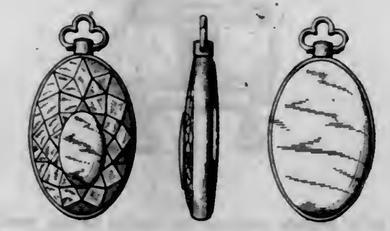
The ornamental design for a watch crystal substantially as shown.

73,361. WATCHCASE. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed Jan. 12, 1925. Serial No. 12,013. Term of patent 14 years.



The ornamental design for a watchcase substantially as shown.

73,362. LOCKET. JOSEPH B. KISLINGER, New York, N. Y., assignor to Marie B. Kislinger, New York, N. Y. Filed Jan. 30, 1926. Serial No. 16,338. Term of patent 14 years.

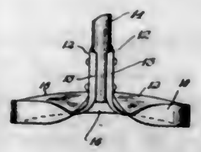


The ornamental design for a locket substantially as shown.

PATENTS

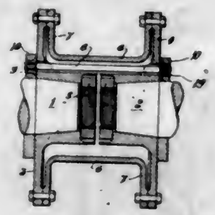
GRANTED AUGUST 23, 1927.

1,639,643. GARDEN IMPLEMENT. GEORGE F. ARVEDSON, Carpentersville, Ill. Filed July 17, 1926. Serial No. 123,075. 2 Claims. (Cl. 97—68.)



2. A garden implement comprising a long narrow thin strip of metal having a flat side and a convex side and of uniform cross section thruout its entire length, said strip bent near its ends to form parallel shanks and twisted between said shanks and intermediate blade to bring the curved convex side thereof on the outside of said shanks and said shanks bent to form rounding socket members, said blade curved between said shanks into bow-shape form.

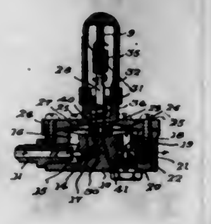
1,639,644. FLEXIBLE COUPLING FOR SHAFTS. KARL BAUMANN, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 4, 1922, Serial No. 540,963, and in Great Britain Mar. 24, 1921. 8 Claims. (Cl. 64—96.)



1. In a flexible coupling for shafts having ends disposed in proximate relation, the combination of coupling heads rigidly secured to each of the shafts, said coupling heads having extending flange portions remotely disposed from the shaft ends, a flexible torque-transmitting means connecting said extending flange portions, and means including a bolt associated with the heads for transmitting thrust between them.

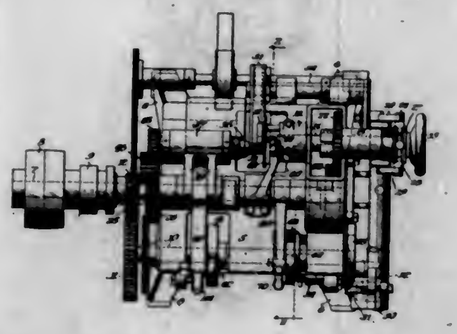
1,639,645. PRESSURE FUEL-FEED SYSTEM FOR HYDROCARBON ENGINES. ALBERT E. BERDON, South Orange, N. J., assignor to Self-Feeding Vaporizer Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 26, 1924. Serial No. 702,002. 1 Claim. (Cl. 103—150.)

In combination, a fuel supply source and a fuel receiving element, a pumping mechanism disposed between the two comprising a chamber having a diaphragm therein, a rod secured to said diaphragm, a spring connected to said rod and an operating mechanism secured to said spring for flexing said diaphragm in one direction, a spring disposed around said rod and having fixed bearings at either end thereof, whereby when said latter



spring is compressed it may flex said diaphragm in the opposite direction and inlet and outlet passages connecting said chamber with said fuel supply source and said fuel receiving element.

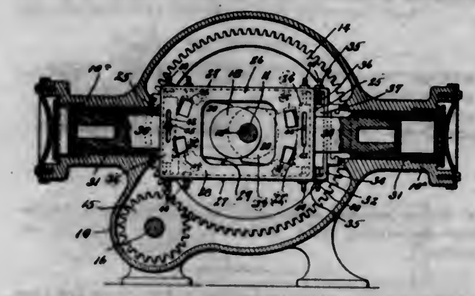
1,639,646. MACHINE FOR OPERATING UPON SHEET-METAL CAPS. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 12, 1924. Serial No. 725,569. 14 Claims. (Cl. 153—72.)



1. In a machine of the character described, the combination of means for performing a threading operation upon a sheet metal body, and means adapted to be automatically moved into contact with said body to trim the same subsequent to the threading operation.

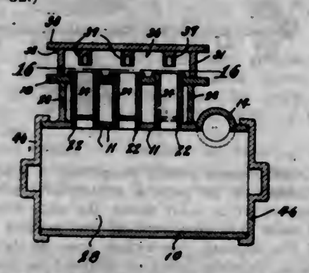
1,639,647. DRIVING MECHANISM. JOHN O. CARREY, St. Louis, Mo., assignor to Carrey-Morse Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 9, 1924. Serial No. 691,566. 11 Claims. (Cl. 74—14.)

1. A driving mechanism comprising an eccentric, a pair of oppositely disposed members having concave inner ends for partially engaging the peripheral face of said eccentric and having convex outer ends disposed eccentrically to said inner ends, and reciprocating members



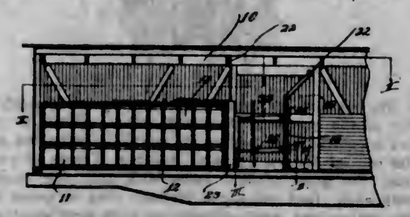
having faces inclined from vertical engaged by the outer convex ends of said first mentioned members at points disposed on the opposite sides of the horizontal axis.

1,639,648. COMPRESSOR HOUSING. JOHN O. CARREY, St. Louis, Mo., assignor to Carrey-Morse Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 29, 1925. Serial No. 53,441. 4 Claims. (Cl. 230—32.)



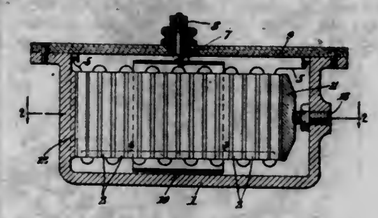
1. As a new article of manufacture, a compressor housing comprising an open-ended tubular body portion, a box-shaped cylinder casing disposed radially thereto and having the lower edges of its side walls permanently secured to the peripheral face of said body portion, a plurality of open-ended cylinders seated in the aligned openings formed in the upper face of said cylinder casing and in said tubular body portion, and a box-shaped cylinder head common to and enclosing all of the outer ends of said cylinders, the inner ends of the latter opening into said body portion.

1,639,649. LOADING DEVICE. IRVEN FRANCIS DAINS, Monmouth, Ill., assignor to Western Stoneware Company, a Corporation of Illinois. Filed Oct. 25, 1926. Serial No. 143,859. 10 Claims. (Cl. 105—369.)



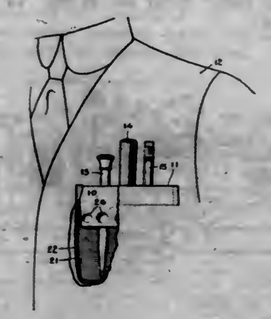
1. The combination with a container adapted to receive articles therein, of means for compactly arranging said articles, said means including a movable member for confining said articles within a portion of said container, a vertically disposed stationary member fixable to said container, and means slidable on said stationary member for urging said movable member against said articles.

1,639,650. HIGH-POTENTIAL CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser Corporation, a Corporation of Delaware. Filed Mar. 7, 1919. Serial No. 281,183. 32 Claims. (Cl. 175—41.)



1. A high potential condenser comprising a metallic casing, a plurality of sets of condenser units therewithin said sets being connected in parallel, each of said sets comprising a plurality of condenser units connected in series, the high potential units of each of said sets being disposed in the central portion of the casing, and the low potential units being disposed adjacent to walls of said casing.

1,639,651. POCKET AND PENCIL CLASP. JOHN A. EWEN, Brooklyn, N. Y. Filed Apr. 20, 1925. Serial No. 24,319. 9 Claims. (Cl. 24—12.)

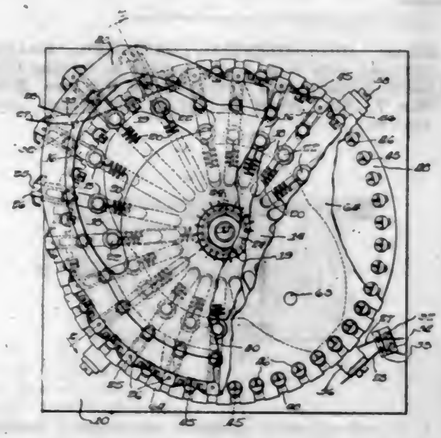


1. A clasp for pens, pencils and the like comprising oppositely arranged members disposed relative to one another to provide receptacle-like spaces therebetween, the upper portions of said members being flared outwardly from one another and a plurality of projecting members extending within said receptacle-like spaces for engagement with the articles inserted therein.

1,639,652. METHOD OF AND MEANS FOR FORMING COMPOSITE ARTICLES. JOSEPH WILLIAM FAY, Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1924. Serial No. 725,044. 28 Claims. (Cl. 140—112.)

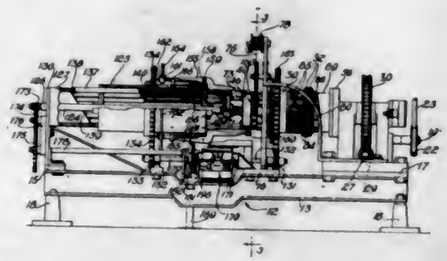
1. The method of forming composite articles, which

consists in causing a plurality of wires to contact with each other at spaced points, subjecting said wires at the engaged points to an electric current to cause them to be



fused together, and simultaneously therewith subjecting one of said wires to an electric current for severing it intermediate its ends.

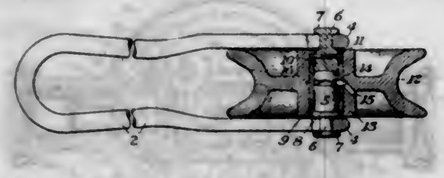
1,639,653. METHOD OF AND APPARATUS FOR WELDING METAL STRANDS. JOSEPH WILLIAM FAY, Villa Park, and CHARLES WALES, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1925. Serial No. 51,752. 14 Claims. (Cl. 140—112.)



1. The method of welding metal strands, which consits in welding a length of metal strand to the ends of and extending across an open loop in another length of metal strand, and then shearing the first-mentioned length of strand intermediate the sides of the loop.

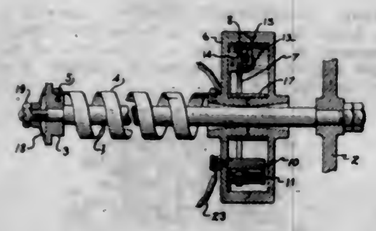
1,639,654. SPUDDING WHEEL. CHARLES M. HEETER, Butler, Pa. Filed Apr. 30, 1923. Serial No. 635,531. 4 Claims. (Cl. 308—106.)

2. In a spudding wheel, an axle assembly having a yoke-engaging portion adjacent each end of the axle, a shoulder on the axle intermediate said portions, a sleeve rotatable on said axle and abutting said shoulder at one end, said sleeve having an external diameter slightly greater than the diameter of said shoulder, means on the axle engaging the opposite end of said sleeve for holding the same in position, a pulley having a driven fit with said sleeve, said axle assembly being arranged to



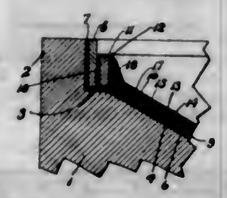
be driven into the wheel as a unit, and a yoke detachably cooperating with said axle, substantially as described.

1,639,655. THERMOSTATICALLY-CONTROLLED ELECTRIC SWITCH. CLARENCE M. HOLLEY, Highland Park, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Feb. 23, 1922. Serial No. 538,726. 7 Claims. (Cl. 200—138.)



1. A thermostatic switch comprising a support adapted to be turned on an axis, a switch arm pivoted to the said support at a point below the axis thereof, a contact on each side of a vertical line passing through the axis of the support, the switch arm, on turning of the support on its axis, being unbalanced to fall by gravity to engage one or the other of the contacts depending upon the direction in which the support is turned, and an element adapted through influence of temperature change to turn the support in one direction or the other.

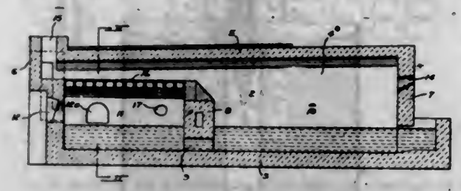
1,639,656. SOUND-AMPLIFYING CONSTRUCTION. JACOB KERSTEN, Allegan, Mich. Filed Dec. 14, 1925. Serial No. 75,192. 7 Claims. (Cl. 154—2.)



4. The method of forming a conical paper amplifying device of the character described, which consists in providing a conical mold having an upwardly extending plug at its central lowermost point, placing a sheet of paper against the sides of said mold with the plug passing therethrough, then placing a circular ring of paper material against the edge portions of said first sheet and cementing the same thereto and thereafter applying a plurality of sheets of paper one over the other above said first sheet and cementing the same together and to said first sheet and turning their edge portions upwardly

along the inner sides of said ring, excepting the innermost sheet, its edge portions being passed over the upwardly extending edges of the intermediate sheets of paper between the innermost and outermost sheet.

1,639,657. GLASS FURNACE. GREGORY D. MANTLE, Pittsburgh, Pa., assignor to Mantle Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 8, 1926. Serial No. 140,269. 10 Claims. (Cl. 49—54.)

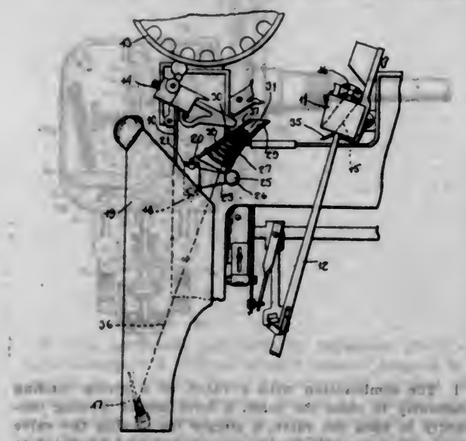


10. A glass furnace of the continuous type having a melting chamber and a working chamber, said chambers being separated by a bridge wall of less height than the interior of the furnace whereby the upper portion of the furnace is continuously open to the passage of gases therethrough, and a partition extending horizontally over the working chamber, said working chamber being provided with auxiliary heating means.

1,639,658. IMPROVED PROCESS FOR THE MANUFACTURE OF PERYLENE. CHARLES HENRI MARCHALK, Paris, France. Filed Dec. 13, 1923, Serial No. 680,302, and in France Dec. 21, 1922. 4 Claims. (Cl. 260—168.)

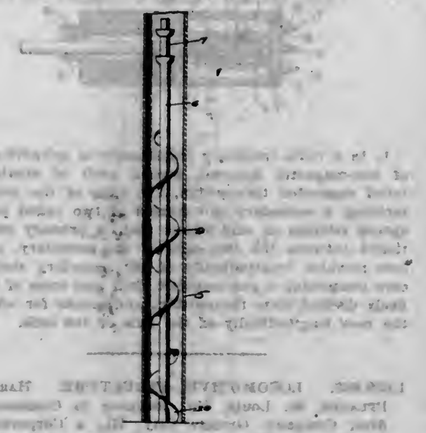
1. The manufacture of perylene by treating betadinaphthol with phosphorus oxychloride and zinc powder, and thereafter distilling the intermediate product thereby obtained.

1,639,659. FILLING-ATTACHMENT FOR LOOMS. GEORGE HAYWORD MCRAE, Manchester, Ga., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 19, 1926. Serial No. 89,490. 4 Claims. (Cl. 139—255.)



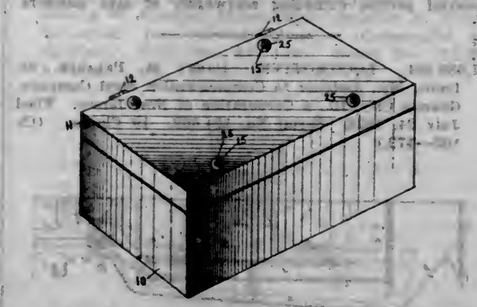
1. A guide attachment for depleted bobbins in automatic filling replenishing looms comprising a base adapted to be secured to a loom frame, an arm projecting rearwardly therefrom in the direction of the loom lay, a shaft projecting laterally from the end of said arm, a pair of sleeves on said arm, straps extending from said sleeves, a guide chute carried by said straps, a collar fixed on said shaft, a torsion spring on said shaft having one end fixed to the collar and the other end engaged with one of the straps to urge the chute in one direction around said shaft, a stop on said arm limiting the movement of said chute under the influence of said spring, and filler catching bristles in said chute extending downwardly from the upper side of said chute in contact with the bottom side thereof.

1,639,660. TUBING CLEANER. ALBERT E. NEUMEIER, Morris, Okla. Filed Feb. 9, 1927. Serial No. 166,874. 3 Claims. (Cl. 255—28.)



1. A tube cleaner for removing paraffin from well tubings comprising a stem having means whereby the same may be incorporated in a pumping rod, and separate upper and lower spiral scraping blades formed on said stem and being coiled in opposite directions.

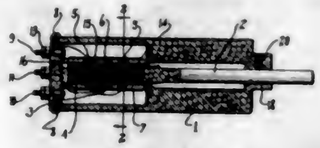
1,639,661. FASTENING DEVICE FOR SEALED CONTAINERS. ALCONZO D. NEWCOMB, Whitman, Mass., assignor to North Land Cedar Chest Company, Acushnet, Mass., a Corporation. Filed Mar. 15, 1926. Serial No. 94,887. 1 Claim. (Cl. 292—251.)



In a container comprising a receptacle and a cover, fastening devices, each comprising a holder, rigidly secured to the cover; a clamping bolt therein, rotatively and axially movable, and extending through the cover; a cooperating member rigidly secured within the receptacle; a projection formed within the holder and adapted to engage the clamping bolt for the purpose of limiting its axial movement; a collar rigidly secured within the

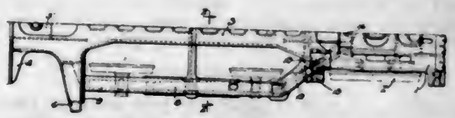
holder; a spring, bearing on the collar and reacting on the clamping bolt for the purpose of withdrawing it within the holder when disengaged from the cooperating element; and a key element by means of which the clamping bolt may be rotated and engaged with the cooperating element, for the purpose of clamping the cover to the receptacle.

1,639,662. TRANSFORMER. ROBERT L. OSBORNE, Mount Clemens, Mich., assignor to Dongan Electric Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed July 7, 1922. Serial No. 573,307. 3 Claims. (Cl. 171—119.)



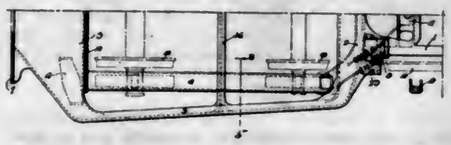
1. In a radio frequency transformer, a cylindrical shell of non-magnetic material, second shell of similar material supported therewithin, the axes of the shells coinciding, a secondary coil formed of two coiled parts in spaced relation on said second shell, a primary coil positioned between the two coils of the secondary, an iron core movable longitudinally of the secondary shell, said core comprising a non-magnetic shell and mass of iron in finely divided state therewithin, and means for adjusting the core longitudinally of the axis of the coils.

1,639,663. LOCOMOTIVE STRUCTURE. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed July 14, 1926. Serial No. 122,375. 17 Claims. (Cl. 105—172.)



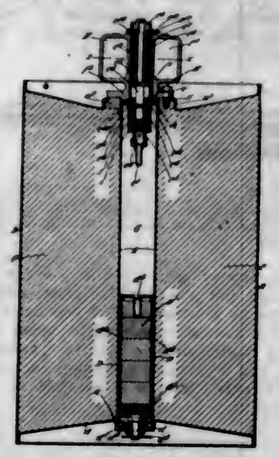
1. A one-piece cast locomotive frame comprising a front portion having longitudinal side members, and a central portion extending rearwardly of said members.

1,639,664. LOCOMOTIVE. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill., a Corporation of New Jersey. Filed July 24, 1926. Serial No. 124,662. 19 Claims. (Cl. 105—172.)



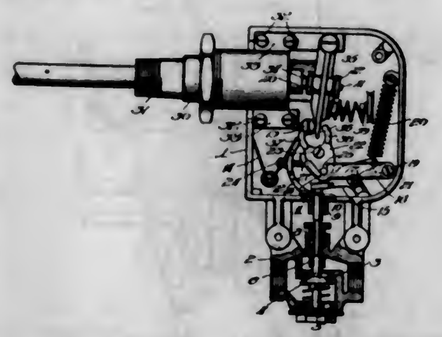
1. In a locomotive cradle, a forward load-supporting transverse beam member, a rear load-supporting transverse beam member, and longitudinal side members connecting the ends of said bolsters outside of the load supporting points and adapted to receive a trailer truck frame between them.

1,639,665. DEPTH CHARGE AND LIKE SUBMARINE EXPLOSIVE BODY. HARTLEY BLYTH PRATT, Barrow-in-Furness, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Oct. 1, 1925, Serial No. 59,808, and in Great Britain Oct. 3, 1924. 8 Claims. (Cl. 102—3.)



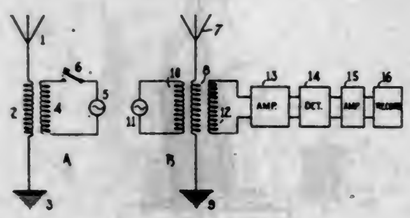
1. A depth charge or like submarine body comprising members movable relatively to one another under the influence of the hydrostatic pressure, means for automatically exploding the body when said members come into contact with one another and means for varying the volume of air compressed by said members in moving into contact with one another so as to vary the depth at which automatic firing takes place.

1,639,666. VALVE-CONTROLLING MECHANISM FOR WATER HEATERS. THEODORE J. RADER, Oak Park, Ill. Filed Sept. 28, 1925. Serial No. 58,989. 11 Claims. (Cl. 236—48.)



1. The combination with a valve, of a spring tending constantly to close the same, a lever means tending constantly to open the valve, a trigger for locking the valve open, and a movable device constructed and arranged to hold the trigger in its release position and the lever means in an idle position in one position of the device and permit the trigger to assume a locking position and the lever means to open said valve in another position of said device.

1,639,667. METHOD FOR RADIO POSITION FINDING. RICHARD HOWLAND RANGER, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Mar. 8, 1924. Serial No. 697,800. 2 Claims. (Cl. 250—2.)



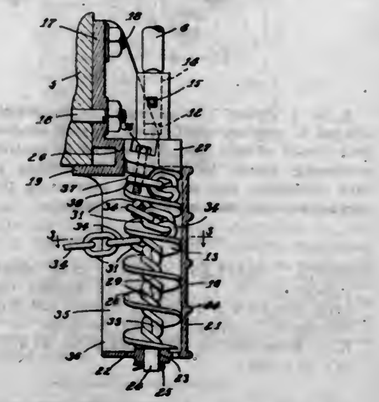
1. A method of determining distance or position of a radio receiver with reference to a plurality of stationary transmitters operating at substantially constant frequency which consists in receiving said transmitted frequencies, combining with each of said received frequencies currents of substantially constant frequency adapted to produce beats therewith when the transmitter and receiver have been relatively moved a predetermined distance, rectifying and recording such beats and determining the position of the receiver by obtaining the distance from said transmitters from the record of such beats and finding position therefrom.

1,639,668. VERTICAL ADJUSTER FOR SHADE AND CURTAIN HANGERS. LULA H. ROBINSON, Dallas, Tex. Filed Nov. 28, 1925. Serial No. 71,904. 2 Claims. (Cl. 156—27.)



2. In a horizontal and vertically adjustable shade and curtain support, a vertical notched member adapted to be secured to a window frame; a channeled notched slide engaging said vertical member having an enlarged upper end provided with lugs on its face; a rotatable rod carried by said slide and vertical member provided with a knob at its lower end and having a curved pin at its upper end adapted to engage any of said notches and designed to vertically adjust the channeled slide with relation to the vertical member; a horizontal member adjustably engaged by said upper end of the channeled slide including slots to receive the lugs on the upper end of said slide, a series of apertures between the slots, a bracket to receive the end of a shade roller adjustably mounted in one of said slots, and a projection for supporting the end of a curtain rod; a hinged plate on the upper end of the channeled slide provided with a lug adapted to engage any of the apertures in the horizontal member, a slot in the hinged plate, and a member on the upper end of the channeled slide adapted to engage the slot in said plate and fasten the plate over the horizontal member securing it between the slide and plate and maintaining it in position.

1,639,669. BRAKE DEVICE FOR RAILWAY CARS. FRANK C. RUTZ, Rockford, Ill. Filed May 5, 1926. Serial No. 106,790. 1 Claim. (Cl. 254—149.)



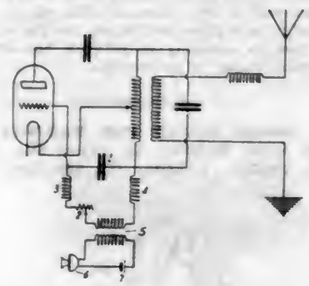
A hand operated brake device of the character described, comprising a rotatable mast drum having a spiral groove, a brake chain wound in said groove on the mast drum, the bottom of the groove from end to end being approximately coincident with the axis of the drum, the drum having a bearing member at each end, and a casing enclosing the spiral portion of the drum and providing a bearing for each bearing member thereof and having an elongated chain opening between said bearings through which the chain emanates.

1,639,670. AIR VENT FOR TRANSMISSION UNITS. GUSTAF W. RYDNER, Alpena, Mich., assignor to Huron Industries, Inc., Alpena, Mich., a Corporation of Michigan. Filed Dec. 17, 1925. Serial No. 75,929. 3 Claims. (Cl. 137—111.)



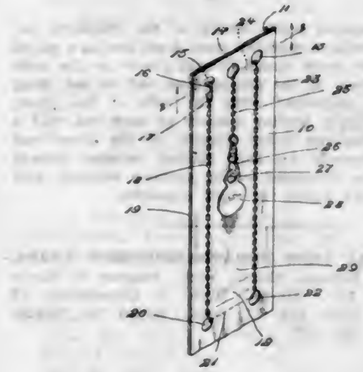
3. An air vent for transmission units, or the like, comprising a single piece conduit, a cap enclosing one end of said conduit, the other end of said conduit being inserted in the transmission housing, and air filtering means positioned in said conduit between the ends thereof, said cap and conduit having aligned vent openings in their side walls which are positioned above the filtering means.

1,639,671. VACUUM-TUBE OSCILLATOR. WALTER SCHAFFER, Berlin, S. W. 11, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Nov. 16, 1922, Serial No. 601,261, and in Germany Nov. 21, 1921. 6 Claims. (Cl. 179—171.)



1. In a circuit arrangement, a thermionic tube arranged to produce oscillations, a grid condenser in the grid circuit of said tube, a grid leak in parallel with said condenser, means for applying modulating potential to said condenser, and means for preventing the inflow of carrier current into said first means.

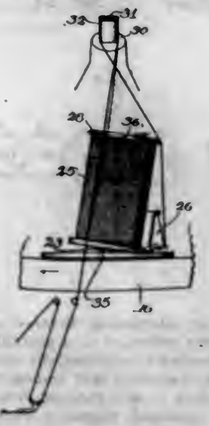
1,639,672. DISPLAY CARD. CARL SCHRAYSSHUEN, Providence, R. I., assignor to Speidel Chain Co., a Firm composed of Frederick Speidel and Eugen Speidel, Pforzheim, Germany, doing business in Providence, R. I. Filed Sept. 8, 1925. Serial No. 54,970. 3 Claims. (Cl. 211—34.)



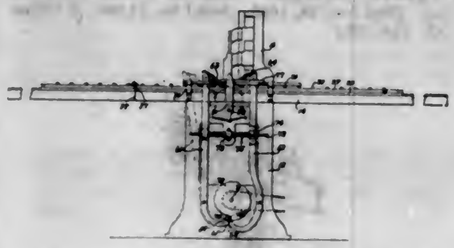
1. A display card for chains for personal wear having two openings at one end and three at its opposite end, and a sticker on the front of the card between said groups of openings to which the snap fastener end of the chain may be releasably connected.

1,639,673. METHOD OF AND APPARATUS FOR BRAIDING. GEORGE ALLEN SEELEY, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 20, 1924. Serial No. 757,278. 7 Claims. (Cl. 96—6.)

1. In a braiding machine, a plurality of oppositely revolving turrets, a plurality of members on each of said turrets for supporting a supply of strands to be supplied to a braiding point, the members on one of said turrets being inclined in the direction of rotation thereof and toward the braiding point, and means on the inclined members for engagement with the strand from the other turret at two elevated positions to effect maximum deflection of the strand, one of the positions of maximum deflection being in advance of the other with respect to the direction of rotation of one of the turrets.



1,639,674. MACHINE FOR MAKING WIREBOUND BOXES. JOHN SHELLENBERGER, Chicago, Ill. Filed Apr. 30, 1926. Serial No. 105,715. 15 Claims. (Cl. 1—8.2.)



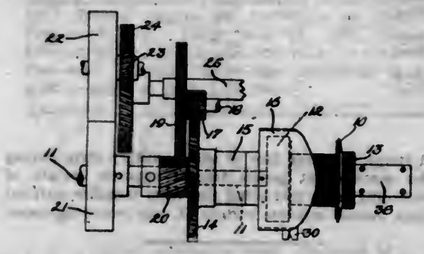
1. A boxblank making machine comprising a form for assembling box boards, means for quickly adjusting said form to the desired size of boxblank, means on the form for holding binding wires in position to be attached to the box boards, and means for operating said form so as to permit the stapling of the binding wires to the box boards to form a wire bound boxblank while the form is traveling through the machine in either of two opposite directions.

1,639,675. RUDDER FOR BOATS. WILLIAM J. SNADECKI, Westover, Va., assignor to Richard Crane. Filed Aug. 28, 1924. Serial No. 734,696. 1 Claim. (Cl. 115—34.)



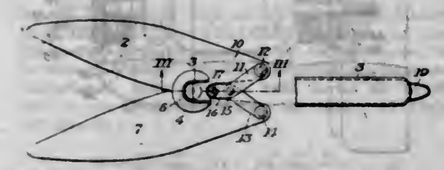
In combination with the rudder of a self-propelled vessel, vertically spaced vanes projecting laterally from both faces thereof, said vanes curved about a transverse axis.

1,639,676. METHOD OF AND MECHANISM FOR WINDING STRAND MATERIAL. SIGURD THRONSEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1923. Serial No. 683,302. 2 Claims. (Cl. 242—25.)



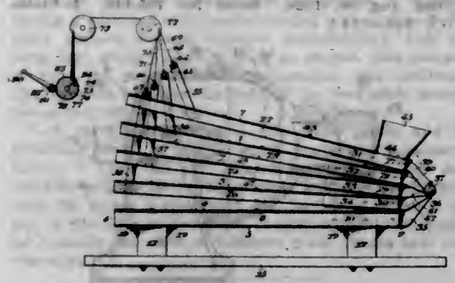
1. In a mechanism for storing tinsel ribbon in such manner that it may be withdrawn from storage without tangling, an arbor for receiving a take-up spool, means for rotating said arbor, a distributor, and means rotated about the axis of said arbor at a speed to cause the movement of said distributor so that the tinsel ribbon is wound on the spool in helices having approximately a 50% overlap.

1,639,677. SHEARS. THOMAS M. VAUGHAN, Salem, Ohio. Filed Jan. 14, 1926. Serial No. 81,181. 5 Claims. (Cl. 30—13.)



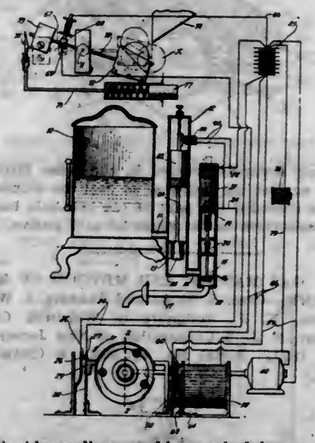
1. A hand shear, comprising a pair of blades, toggle links connecting the blades, one of the links having an extension so disposed that a point thereon moves in a substantially straight line, and means connected to the extension at such point for actuating the toggle links.

1,639,678. MULTIPLE DECK SCREEN. HERBERT S. WOODWARD, Carbondale, Pa. Filed Aug. 21, 1924. Serial No. 733,269. 11 Claims. (Cl. 209—40.5.)



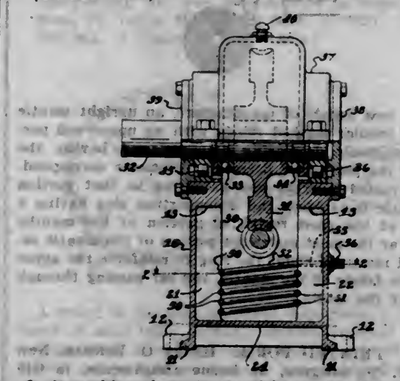
1. A screen comprising relatively spaced perforated diaphragms, and a plurality of spacing units hingedly connected to be relatively moved about a common axis disposed away from said units, and between which units the margins of said diaphragms are extended and removably engaged when the screen is arranged for operative use.

1,639,679. COIN-CONTROLLED LIQUID-VENDING MACHINE. JULIUS ZSOLDOS, Brooklyn, N. Y., assignor to Automat Equipment Corporation, a Corporation of Delaware. Filed Aug. 25, 1920. Serial No. 405,920. 11 Claims. (Cl. 221—95.)



1. A liquid vending machine embodying a reservoir, provided with an outlet, and means controlled by the liquid level in the reservoir for automatically regulating the area of the outlet to render the flow of liquid through said outlet uniform irrespective of the differences in hydrostatic pressure due to the receding liquid level in the reservoir as the same recedes when the liquid is drawn off, and means for stabilizing the operation of the liquid flow controlling means.

1,639,680. MACHINE ELEMENT. GEORGE H. ACKER, Cleveland, Ohio, assignor to The Cleveland Worm and Gear Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 15, 1924. Serial No. 755,854. 6 Claims. (Cl. 184—104.)

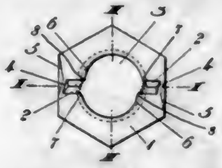


1. A machine element comprising a housing, a moving member therein, a plurality of ribs extending inwardly from the inner face of the housing, and a cooling coil sprung into place within said ribs.

1,639,681. SELF-LOCKING NUT. DAVID WERNER BERLIN, Rasunda, Sweden. Filed Dec. 17, 1925, Serial No. 75,998, and in Sweden Sept. 11, 1925. 6 Claims. (Cl. 151—21.)

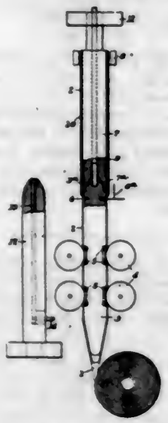
1. A lock nut comprising a nut body provided with a central, screw-threaded bolt hole formed therein, a groove formed in the top portion of the nut-body and extending

from said bolt hole towards the outer edge of the nut and ending at a sufficient distance from said edge so that an end wall for said groove is there formed, the material of said upper part of the nut at the one side of said



groove being inwardly pressed in the same direction as the groove against the bolt-hole so that the corresponding inner screw-threaded top part of the bolt-hole has an eccentric cross-section in the plane of said groove.

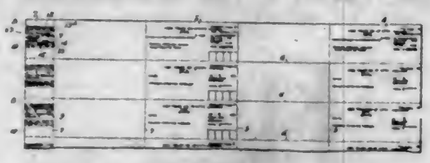
1,639,682. GAS MANTLE AND METHOD OF MAKING THE SAME. CARL E. BLISS and FRANCIS A. WEGENER, Gloucester, N. J., assignors to Welsbach Company, Gloucester, N. J., a Corporation of New Jersey. Filed July 6, 1921. Serial No. 482,693. 6 Claims. (Cl. 67—100.)



1. As a new article of manufacture, an upright mantle formed of tubular meshed fabric with an upper end portion of gradually decreasing diameter and having the meshes of the portion of decreasing diameter correspondingly contracted whereby any gathering in that portion of the fabric is avoided, and a supporting ring having a cross bar at the most restricted portion of the mantle, the fabric at the most restricted portion of the mantle being turned inwardly about the ring to reinforce the upper part of the fabric of the mantle, the bar passing through the fold of the fabric.

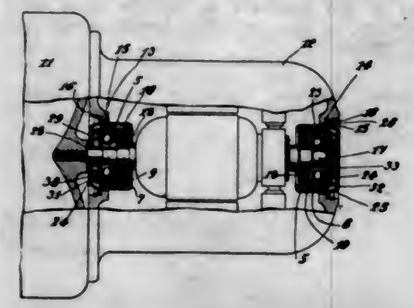
1,639,683. PRINTED FORM. HENRY O. BONNAR, New York, N. Y., assignor, by mesne assignments, to Gilman Fanfold Company, Limited, Niagara Falls, N. Y., a Corporation of Ontario, Canada. Filed Aug. 26, 1922. Serial No. 584,406. 5 Claims. (Cl. 282—12.)

1. In combination, a composite traveler manifolding strip including a plurality of superposed record strips, each of a plurality of said superposed record strips having a series of blank forms thereabong arranged respectively in superposed manifolding relation to provide a series of sets of superposed form leaves with registering blank forms, said blank forms including fixed incomplete data with accompanying recording areas for receiving inscriptions to complete said data, and an auxiliary strip connected along its longitudinal edge to one of said superposed strips and overlapping certain parts thereof, said auxiliary strip having a series of blank forms arranged thereabong and positioned for registering respectively with certain parts of the blank forms of the superposed



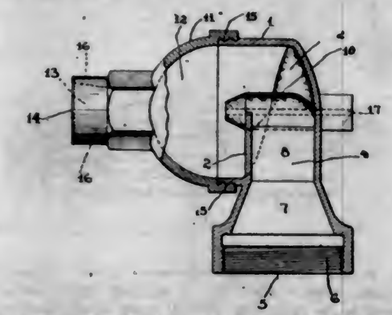
record strips, the back face of said auxiliary strip having transfer material at points thereof opposite certain of said recording areas and being free from transfer material at points thereof opposite certain of said recording areas.

1,639,684. MOUNTING FOR ANTIFRICTION BEARINGS. GEORGE R. BOTT, Stamford, Conn., assignor to Norma-Hoffman Bearings Corporation, Stamford, Conn., a Corporation of New York. Filed July 10, 1926. Serial No. 121,521. 18 Claims. (Cl. 308—184.)



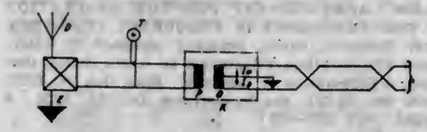
1. In combination with a support, a bearing receiving casing adapted to be arranged in projecting relation to the support and engaged at one of its ends therewith, and a retaining member for said casing adapted to be forced under pressure into clamping engagement with the said casing end and having a resiliently yieldable part automatically interlocking with said support to fixedly hold said casing in assembled relation therewith.

1,639,685. SPRAY NOZZLE. BARTON H. COFFEY, Elizabeth, N. J., and GEORGE S. DAUPHINEE, New York, N. Y. Filed Aug. 30, 1924. Serial No. 735,118. 1 Claim. (Cl. 299—114.)



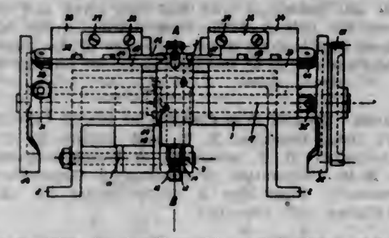
In a spray nozzle the combination of an inlet passage having unequally converging side walls, one of the walls terminating in a lip, whereby said inlet is contracted, a helical waterway operatively connected to said inlet passage, a vortex chamber communicating with said waterway, means axially of said helical waterway to admit air to said vortex chamber, and a throat leading from said vortex chamber, said throat having a flared mouth.

1,639,686. WIRELESS-TELEGRAPH STATION. HENRI JEAN JOSEPH MARIE DE REGNAULD DE BELLESCIZE, Toulon, France. Filed Aug. 29, 1921, Serial No. 496,532, and in France Jan. 22, 1919. 5 Claims. (Cl. 250—9.) (Granted under the provisions of act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a duplex wireless system, composed of a transmitting station and a receiving station having receiving apparatus intended to work simultaneously with the transmitting apparatus, means at said transmitting station for indicating the received signals, a connecting line between said indicating means and the receiving apparatus of the receiving station, and means located at said receiving apparatus for decreasing the distributing effect on said apparatus of currents in the connecting line originating from the transmission station on the one hand and passing the received signal effects to the connecting line on the other hand, said last mentioned means consisting of a ground in the circuit of the connecting line.

1,639,687. MACHINE FOR SECURING PLATE-SHAPED ELECTRODES TO CARRIERS. HENDRIK DE JONG, Eindhoven, Netherlands, assignor to Naamloose Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Filed Dec. 15, 1923, Serial No. 680,998, and in the Netherlands Dec. 22, 1922. 10 Claims. (Cl. 29—34.)

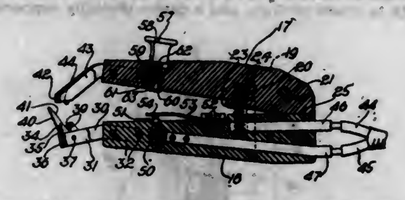


1. A machine for bending thin metal plates and for attaching them to carrier-wires comprising a mandrel having a bore and slot communicating with said bore, the outer surface of said mandrel corresponding with the form into which the plate is to be shaped, dies movable to bend the plate around the mandrel, and additional dies movable to press the ends of the bent plate around the carrier wires.

5. A machine for bending thin metal plates and for attaching them to carrier-wires comprising a mandrel having a bore and slot communicating with said bore operable to initially bend the plate and then temporarily hold the same, a stationary die, having a recess in its top, in the path of movement of said mandrel, and means for pressing the ends of the bent plate around said carrier-wires.

1,639,688. WELDING TOOL. GEORGE WILLIAM DUNCAN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1925. Serial No. 68,071. 8 Claims. (Cl. 219—4.)

1. A hand welding tool comprising a pair of spaced electrodes, means for bridging said electrodes with a plurality of metal strands engaging the electrodes at spaced points longitudinally along the strands, and means for



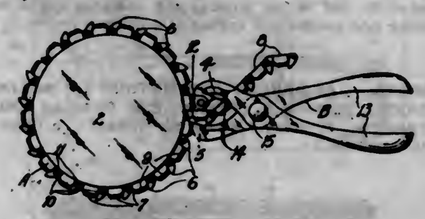
causing electrical current to flow between said electrodes longitudinally through said strands for effecting a weld therebetween.

1,639,689. SIGN. ALEXANDER C. ELPHINSTONE, Orange, N. J. Filed July 20, 1926. Serial No. 123,660. 3 Claims. (Cl. 40—125.)



1. A device of the class described comprising a sheet metal body, projecting members on the edges of said body and foldable upon one side face thereof, said members having small apertures and said body larger apertures adapted to register with the apertures of said members, whereby in securing said sheet metal body to a suitable support and passing the fastening devices through the apertures of said members, the heads of said fastening devices will pass freely through the large apertures in said body.

1,639,690. PISTON-RING COMPRESSOR. JULES L. FLORI, St. Louis, Mo., assignor of one-fourth to William Hurdlebring, Jr., and three-fourths to Henry R. Fuerborn, St. Louis, Mo. Filed Sept. 2, 1924. Serial No. 735,389. 1 Claim. (Cl. 29—86.4.)

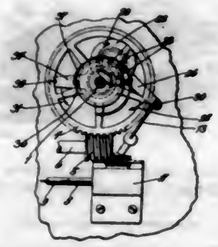


A device of the kind described, comprising a chain composed of solid links pivotally secured together to form a substantially continuous band and a pair of clamping levers, one end of said chain being secured to one of said clamping levers, and said links of said chain being provided with projecting lugs adapted to be engaged by said other clamping lever.

1,639,691. CLOCK-WINDING MECHANISM. ARNO W. FOWLER, Collinsville, Ill. Filed Aug. 16, 1926. Serial No. 129,364. 10 Claims. (Cl. 58—41.)

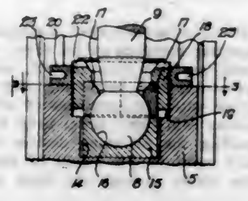
1. The combination with an actuating shaft and a spring for actuating said shaft, of a gear wheel on said shaft for winding said spring, an electric motor for rotating said gear wheel to wind said spring, a circuit for said motor, a switch for opening and closing said

circuit, a support, a device pivoted on said support and operated by said spring in one direction for moving said switch to closed position, and a device pivotally supported



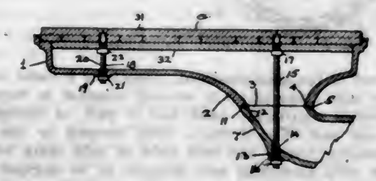
by said shaft and operated by said gear wheel in the opposite direction from said first device for moving said switch to open position.

1,639,692. BEARING. ERNEST GAUTHIER, Chicago, Ill., assignor to Western Electric Company, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1922. Serial No. 590,758. 7 Claims. (Cl. 287—87.)



6. The combination with a pitman and the co-operating reciprocating slide of a punch press or similar reciprocating mechanism, of a bearing comprising a self-aligning block carried by said slide and having a substantially flat surface in engagement with said slide, said block being formed of metal harder than the metal comprising the adjacent portions of the slide, said blocks shaped to receive the end of the pitman, and clamping means for holding said pitman end against said block.

1,639,693. GAS BURNER AND METHOD OF MAKING SAME. BERNARD A. GEUZINK, East Cleveland, Ohio. Filed Dec. 10, 1924. Serial No. 754,887. 2 Claims. (Cl. 158—99.)

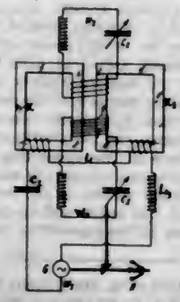


1. A gas burner comprising an elongated casing open at its upper side, a pair of interfitting members forming a top plate for closing said casing, a rib extending longitudinally of each of said members, a series of lateral extensions on each side of said longitudinal ribs, means for securing said members to each other so as to provide laterally extending orifices on each side of said top plate in staggered relation to the orifices on the opposite side, and means for supplying a fuel mixture through said casing to said orifices.

1,639,694. PROCESS OF RUST PROOFING AND ARTICLES PRODUCED THEREBY. MATTHEW GREEN, Detroit, and HOBART H. WILLARD, Ann Arbor, Mich., assignors to Parker Rust-Proof Company, Detroit, Mich., a Corporation of Michigan. Filed May 10, 1926. Serial No. 108,162. 5 Claims. (Cl. 148—6.)

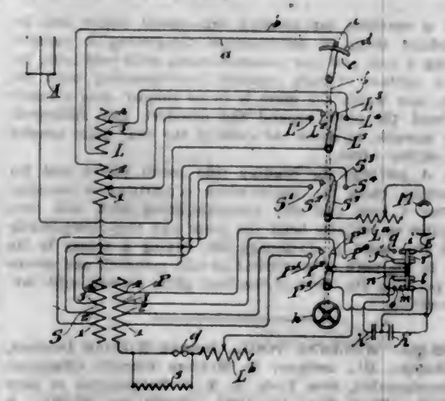
1. Iron or steel or articles composed or having a surface of iron or steel furnished with a coating or deposit of phosphates of iron and of manganese, there being at least one-half as much manganese as iron in the coating.

1,639,695. ARRANGEMENT FOR THE REGULATION OF THE FREQUENCY IN FREQUENCY CHANGERS. KURT HEEGNER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a Corporation of Germany. Filed Oct. 23, 1925, Serial No. 64,321, and in Germany Oct. 31, 1924. 6 Claims. (Cl. 250—36.)



1. In a system for generating oscillations of a constant frequency, the combination of an alternating current generator, two iron cores adapted to be oppositely magnetised by said generator, a compensating oscillating circuit associated with said iron cores, a working oscillating circuit also associated with said iron cores, and means to vary the tuning of the compensating circuit in accordance with changes in the frequency of the generator whereby the tuning of the working circuit remains fixed.

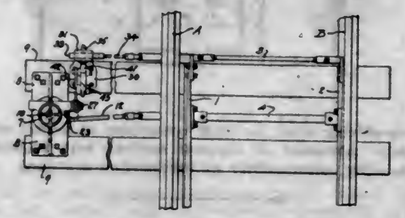
1,639,696. MEANS FOR CHANGING WAVE LENGTHS. GUY HILL, Brooklyn, N. Y., and GEORGE H. CLARK, Washington, D. C., assignors, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed May 3, 1915. Serial No. 25,354. 16 Claims. (Cl. 250—40.)



1. The combination with an antenna, of primary and secondary windings of an oscillation transformer, switches and connections therefrom to said primary and secondary

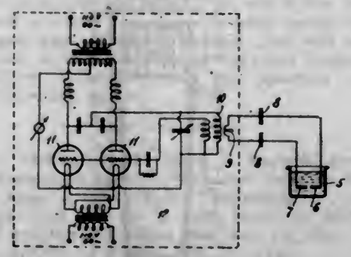
windings for maintaining predetermined couplings between them for each of a plurality of different oscillation frequencies, a plurality of capacities in circuit with one of said windings, and switches for altering the relations of said capacities to the circuit including them, and means common to all of said switches for actuating them in unison.

1,639,697. SAFETY LOCKING DEVICE. PAUL HOFFMAN, La Grange, Ill., and JAMES B. STRONG, Suffern, N. Y., assignors to Ramapo Ajax Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 27, 1926. Serial No. 151,047. 7 Claims. (Cl. 246—147.)



1. In combination with a switch stand, a safety lock device comprising a base, locking members on said base for holding a switch in operative position, one of said locking members having an abutment, a latch member pivoted on said base and adapted to engage said abutment to lock said locking members in locked position, said latch member having a projection to be engaged by one of said locking members when it is moved to unlocked position, said engagement tripping said latch member to position resting on said abutment, so that, when said abutment is moved to locked position, said latch member will move to locked position.

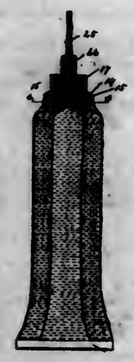
1,639,698. ELECTRON-EMITTING CATHODE AND PROCESS OF PREPARING THE SAME. FREDERICK HOLBORN, Hoboken, N. J., assignor to Haseltine Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Jan. 14, 1926. Serial No. 81,163. 6 Claims. (Cl. 250—27.5.)



5. The process of preparing an electron-emitting cathode which consists in "sputtering" a metal of the alkali-earth group in pyridine, electrically depositing the "sputtered" metal from the pyridine on a conductor, and subjecting the conductor to heat to evaporate the pyridine.

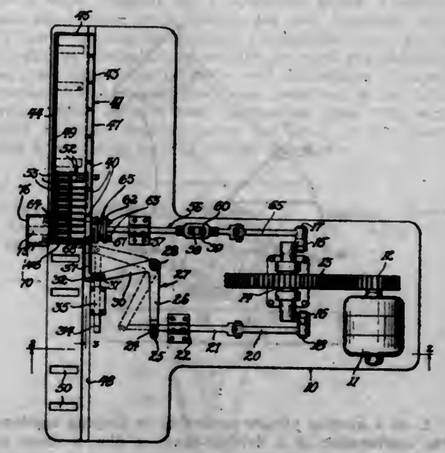
1,639,699. ARTICLE OF MANUFACTURE COMPRISING CONTAINER AND CONTENTS THEREFOR. NEVIL MONROE HOPKINS, New York, N. Y., assignor, by mesne assignments, to Gilmont Products Corporation. Filed Aug. 29, 1923. Serial No. 660,029. 3 Claims. (Cl. 221—60.)

1. The herein described new article of manufacture comprising a pair of concentrically disposed collapsible tubes containing a plurality of viscous bodies the mobility of the inner body being sufficiently less than the mobility



of the outer body as to cause both bodies when pressure is applied to be extruded from said tubes at the same speed.

1,639,700. MACHINE FOR ASSEMBLING PARTS OR ELEMENTS OF FABRICATED ARTICLES. WALLACE INGERSOLL MARTIN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 29, 1924. Serial No. 734,941. 3 Claims. (Cl. 29—84.)



1. In an assembling machine for assembling core and tubular members, a carrier for a plurality of members to be assembled, means for bringing the carrier into an assembling position, yielding means for forcing a core member into a tubular member when the carrier is in the assembling position, and yielding means for holding tubular members in position during the forcing operation.

1,639,701. LAMP. CHARLES W. MEEHAN, Pittsburgh, Pa. Filed Aug. 29, 1925. Serial No. 53,486. 1 Claim. (Cl. 240—81.)

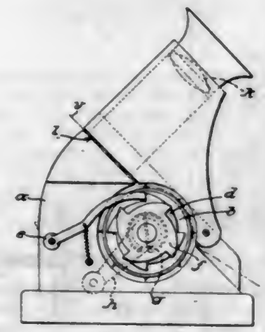
In a lamp, a number of upstanding angle-irons forming a support for the stem of the lamp, a metal base-plate having a series of up-turned tongues formed thereon, each

one of which connects with one of the angle-irons, for holding the latter in rigid relation to each other, a bent-metal cap-plate rigidly connecting the upper ends of the



angle-irons to each other, an enclosing shell of cement and tile, covering the lamp stem and base, and a removable conduit passing through the stem and base of the lamp.

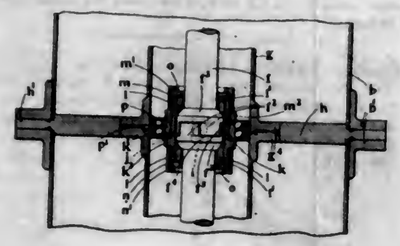
1,639,702. MOVING-PICTURE PROJECTING OR PEEPING APPLIANCE. WALDEMAR PORAK, Vienna, Austria. Filed Apr. 18, 1924, Serial No. 707,464, and in Austria Sept. 1, 1923. 4 Claims. (Cl. 88—18.)



1. In a moving picture projecting or peeping appliance the combination of a driving shaft, a film, a drum for moving the picture film, a spring connecting the shaft to the drum, a wheel secured to the drum, a second wheel secured to the shaft, a pawl for engaging and checking the first named wheel, said pawl being actuated by the second named wheel for disengaging the pawl from the first named wheel after said second wheel has performed an angular motion of a predetermined extent.

1,639,703. DEEP-WELL-PUMPING INSTALLATION AND THE LIKE. ARTHUR CRAWLEY POTTER, Grantham, England. Filed Feb. 19, 1925, Serial No. 10,378, and in Great Britain Feb. 26, 1924. 7 Claims. (Cl. 103—102.)

1. A deep well pumping apparatus comprising a tube serving as a bore hole delivery pipe, a rotary pump mounted upon the lower end of the said tube, a pump driving shaft disposed concentrically within the said tube and provided in sections of determined length, and a joint between the respective adjacent sections of the

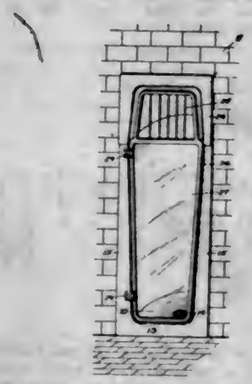


pump driving shaft for their connection to permit slight angular movement of adjacent sections with respect to each other, substantially as hereinbefore described.

1,639,704. PROCESS OF BLEACHING CELLULOSIC MATERIAL. GEORGE A. RICHTER and MILTON O. SCHUR, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed May 27, 1924. Serial No. 716,153. 7 Claims. (Cl. 8—2.)

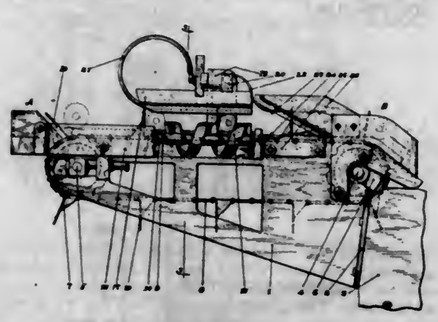
1. A process of bleaching wood pulp to produce a product high in resistant or alpha cellulose, which consists in subjecting such pulp to the action of a bleaching liquor in the presence of an alkali sufficient in amount to maintain a distinctly alkaline condition in the pulp throughout the bleaching operation.

1,639,705. BATH APPLIANCE. VICTOR E. SCHMIEDEKNECHT, Louisville, Ky. Filed Dec. 2, 1926. Serial No. 152,118. 6 Claims. (Cl. 4—145.)



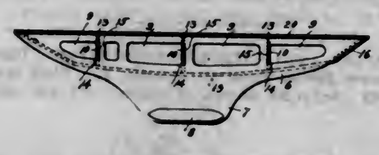
1. A shower bath structure including a body cast as a unit and having an open front, said body having a base provided with an upstanding flange at the open front portion of the structure, said body being open at the top, and a cap member covering the top and also cast as a unit seated on the upper part of the body and having its walls engaging corresponding walls of the body to form a downwardly extending joint on the inner portions of said walls, said cap member having a hollow boss in its upper part for the passage of a water pipe.

1,639,706. MACHINE FOR HANDLING AND TREATING CORN. MILLAR W. SELLS, Buffalo, N. Y., assignor to Peerless Husker Company, Inc., Buffalo, N. Y. Filed Sept. 13, 1924. Serial No. 737,579. 24 Claims. (Cl. 146—84.)



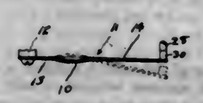
23. A machine for butting corn comprising a conveyor system for moving ears, continuous rotary means operated from contact with said conveyor system for aligning said ears and butt removing means for removing the butts after alignment.

1,639,707. MODEL YACHT. ROY F. B. SHAVER, Los Angeles, Calif. Filed Nov. 20, 1926. Serial No. 149,743. 1 Claim. (Cl. 46—37.)



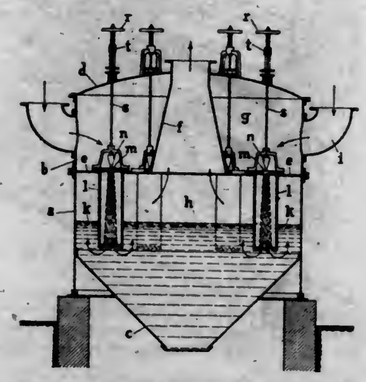
A toy yacht construction comprising a keel member formed of one piece of sheet material provided with a plurality of apertures; a plurality of cross frame members provided with oppositely disposed top and bottom notches adapted to engage with the top and bottom edges of said keel apertures; a transom member resting adjacent the rear edge of said keel member; and wall members adapted to form the body of the yacht formed of sheet material secured to said keel members; cross frame and transom member.

1,639,708. THERMOSTAT. JOHN A. SPENCER, Revere, Mass., assignor to Spencer Thermostat Company, Cambridge, Mass., a Corporation of Massachusetts. Original application filed Apr. 8, 1921, Serial No. 459,773. Divided and this application filed Mar. 12, 1923. Serial No. 624,598. 5 Claims. (Cl. 297—15.)



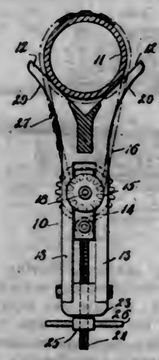
1. A thermostat comprising a sheet of composite thermostatic material, means for confining a portion of said material against free change of shape, thereby setting up internal stresses the magnitude of which changes upon change of temperature, the thermostat reaching a condition of instability when it is cooled to a predetermined temperature, the material then abruptly changing its shape due to release of internal stresses theretofore stored up in the material, said portion being spaced from at least one end of said sheet, and means for supporting the sheet at one side of said portion.

1,639,709. SATURATING RECEPTACLE. CARL STILL, Recklinghausen, Germany, assignor to the Firm: Carl Still, Recklinghausen, Germany. Filed Aug. 24, 1921, Serial No. 494,849, and in Germany Aug. 8, 1919. 4 Claims. (Cl. 261—123.)



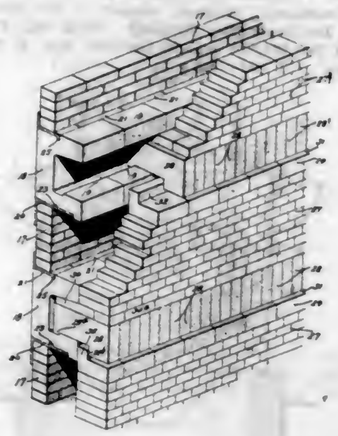
1. A saturating receptacle for producing solid salts by treating gas with acids, comprising in combination a cylindrical middle member, a cover, and a cone-shaped bottom member, a partition dividing said cylindrical middle member into an upper gas distributing chamber and a lower chamber for a saturating liquid, a central tube for leading away treated gas and connected with the lower chamber and passing through the cover, and a plurality of vertically and parallel arranged gas distributing pipes communicating with said distributing chamber, arranged to have their lower ends immersed in the saturating liquid, each of said distributing pipes being provided at some distance above the level of the liquid with a restricted opening axially disposed.

1,639,710. WRENCH. PRESTON D. STOWELL, South Braintree, Mass. Filed Nov. 16, 1925. Serial No. 69,877. 10 Claims. (Cl. 81—57.)



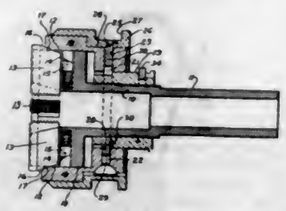
1. In a device for rotating cylindrical work, a frame having spaced abutments for receiving the work therebetween, a flexible loop for rotating the work, means for positioning and driving said loop while said frame remains stationary, said loop being so disposed as to force the work toward said abutments along a line passing therebetween.

1,639,711. FURNACE WALL. CLARENCE A. STRACHOTA, Chicago, Ill., assignor to Liptak Fire-Brick Arch Company, Chicago, Ill. Filed Dec. 20, 1924. Serial No. 757,176. 6 Claims. (Cl. 72—101.)



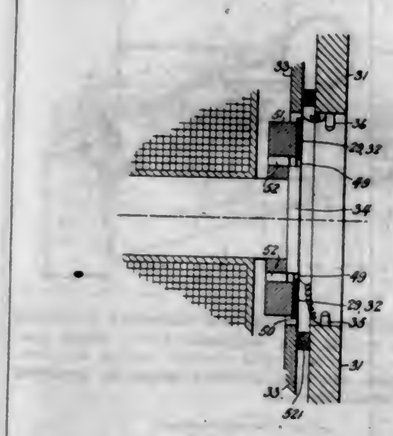
1. A wall structure comprising an outer wall and an inner wall, said outer wall comprising refractory anchoring channels and intervening brick belts, and said inner wall comprising vertically spaced horizontal rows of shelf-forming blocks extended therefrom into the anchoring channels of said outer wall and supported thereby, and upper and lower anchor plates anchored, respectively, to the tops and bottoms of said refractory anchoring channels.

1,639,712. SELF-OPENING DIE HEAD. ROYCE M. STRICKLAND, New Haven, Conn., assignor to The Geometric Tool Co., New Haven, Conn., a Corporation. Filed July 29, 1926. Serial No. 125,664. 4 Claims. (Cl. 10—95.)



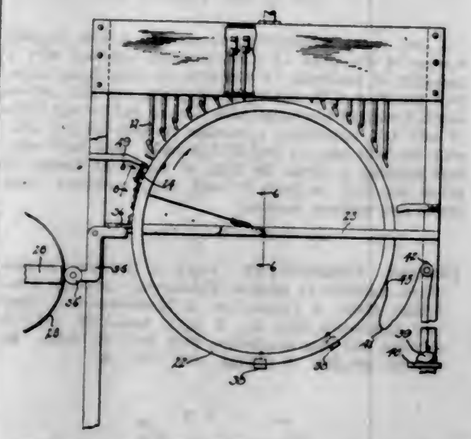
1. A self-opening die-head, having a body; chasers mounted therein; a reciprocating operating-sleeve for moving the said chasers; a plate-like locking-member extending transversely of the die-head and formed with a segmental locking-surface and having movement transverse to the axis of the die-head for holding the said operating-sleeve in its chaser-closing position; a tripping-sleeve mounted upon the said operating-sleeve and having rectilinear movement with respect to the said body and operating-sleeve in a path substantially at a right angle to the path of movement of the said locking-member and adapted to move said locking-member into its unlocking position.

1,639,713. REPRODUCTION OF SOUND. ADRIAN FRANCIS STYKES, New Barnet, England. Original application filed Nov. 16, 1920, Serial No. 424,421, and in Great Britain Nov. 18, 1919. Divided and this application filed Apr. 10, 1924. Serial No. 705,713. 15 Claims. (Cl. 179—115.)



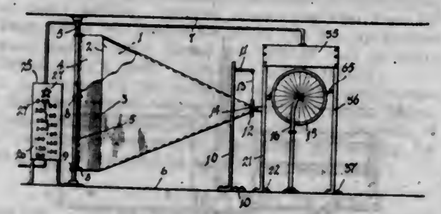
10. In means for reproducing sound, the combination of a field magnet producing an annular field, an annular sheet suspended in the field and a conductive winding distributed on the sheet.

1,639,714. GOLF-STROKE-REGISTERING DEVICE. GEORGE IRVING THOMSON, Chicago, Ill. Filed May 15, 1925. Serial No. 30,593. 7 Claims. (Cl. 265—20.)



1. In a device of the type described, a supporting frame, a funnel-shaped member secured to said supporting frame and being spaced therefrom so as to prevent a golf ball from striking the supporting frame, an impact member, means for movably securing said impact member to said support, said impact member being adapted to be moved by the impact of the golf ball, means for returning the member to initial position after it has been struck by the golf ball, means for conveying the golf ball back to the player, and means associated with said member for preventing the rebounding of the golf ball and for delivering the golf ball to said means.

1,639,715. GOLF-STROKE-REGISTERING DEVICE. GEORGE I. THOMSON, Chicago, Ill. Filed Apr. 9, 1924. Serial No. 705,291. 8 Claims. (Cl. 265—20.)



1. A golf stroke registering device of the type described comprising a striker plate, a flexible cord for suspending said striker plate in mid-air thereby permitting the free movement of the plate and maintaining said striker plate free of contact with any member, and means for accurately registering the speed and movement of the striker plate when under the influence of the impact of a golf ball, said means including a striker lever having one end in registration with the mid-point of said striker plate and at a slight distance behind said plate, whereby said striker plate is projected into engagement with said lever by the impact of said golf ball.

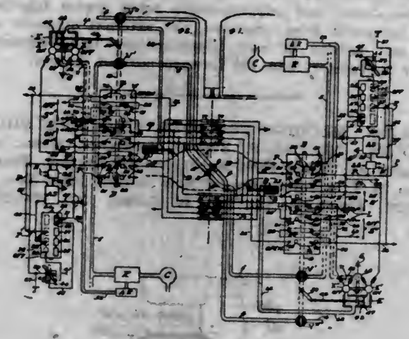
1,639,716. METHOD AND MEANS FOR ORNAMENTING GLASS AND LIKE TRANSPARENT SUBSTANCES. MAURICIO MOISE ASSAEL DE GUEDALIA, Paris, France. Filed Oct. 28, 1925, Serial No. 65,478, and in France Aug. 8, 1925. 4 Claims. (Cl. 41—19.)



1. Method of ornamenting articles of glass and like transparent substance which consists in guilloching the face of the article to be ornamented which is to be concealed from view in the finished article, reproducing artistic designs upon parts of the guilloched face and coating said face with a number of colouring and protecting layers.

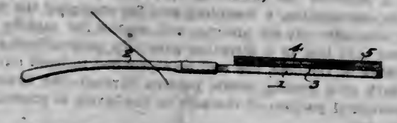
1,639,717. CAR-COUPLER SYSTEM. REX G. AVERILL, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Feb. 12, 1925. Serial No. 8,679. 18 Claims. (Cl. 213—212.)

1. In a system of two coupled cars each provided with car, air and electric couplers and electric motors, the combination therewith of pneumatic circuits and electric circuits leading to the air and to the electric couplers and motors, means to control the opening and closing of the electric circuits, means to control the current to the electric circuits leading to the motors to operate the cars,



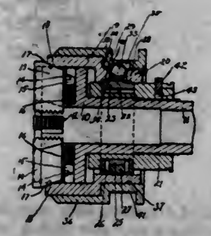
means to operate said first controlling means to the open or closed position and means to prevent the functioning of the operating means to open said first controlling means while said motors are energized.

1,639,718. LATHERING DEVICE. FREDERICK W. BACORN, Butte, Mont. Filed Apr. 11, 1925. Serial No. 22,411. 2 Claims. (Cl. 15—210.)



1. A lathering device comprising a thin elongated back member, a strip of fibrous fabric permanently adhesively secured thereon near one end thereof, said fabric being permeated with a soluble saponaceous compound forming a substantially permanent constituent thereof.

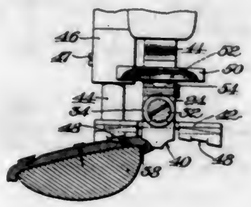
1,639,719. SELF-OPENING DIE HEAD. ALBERT F. BREITENSTEIN, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a Corporation. Filed Sept. 16, 1926. Serial No. 135,754. 11 Claims. (Cl. 10—95.)



6. A self-opening die-head having a body reduced in diameter back of its forward end to provide two parallel external bearing-surfaces of different diameters; radially-movable chasers installed in the forward end of the said body; an axially-movable chaser-operating sleeve embracing said body and having chaser-closing and chaser-retracted positions, the said sleeve being reduced in internal diameter back of its forward end to provide two parallel internal bearing-surfaces of different diameters; a

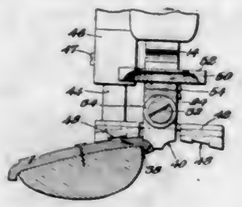
releasable locking-member for holding the said sleeve in its chaser-closing position; and an axially-movable cup-shaped tripping-sleeve embracing said operating-sleeve and reduced in internal diameter back of its forward end to provide two parallel internal bearing-surfaces of different diameters; said reduced portions of the body, operating-sleeve, and tripping-sleeve being nested together and prevented from cramping, the external diameter of the rear portion of said tripping-sleeve being substantially no greater than the forward portion thereof.

1,639,720. MACHINE FOR OPERATING UPON SHOE SOLES. MICHAEL F. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 4, 1920. Serial No. 421,750. 19 Claims. (Cl. 12—22.)



1. A machine for operating upon channeled soles having, in combination, a moulding tool for engaging the face of a sole adjacent its margin, and means for rapidly vibrating said tool in a direction generally perpendicular to the plane of the sole, the tool being shaped to bend out of the path of a sewing needle passing through the channel the marginal portion of the sole as the latter is presented to the tool.

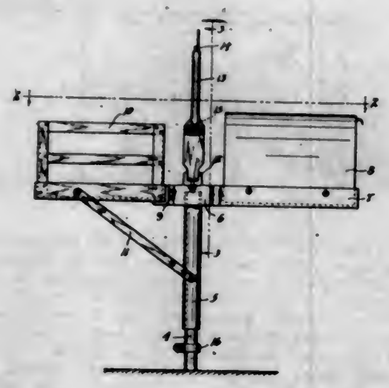
1,639,721. METHOD OF MAKING SHOES. MICHAEL F. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Nov. 4, 1920, Serial No. 421,750. Divided and this application filed Oct. 18, 1923. Serial No. 669,427. 8 Claims. (Cl. 12—142.)



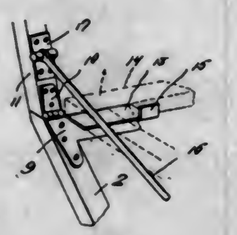
1. The method of preparing turn soles for lasting which comprises assembling a turn sole with a last, and breaking down the entire shank and forepart margin of the sole by pressure on that portion of the margin which projects beyond the edge of the last prior to the first lasting operation.

1,639,722. RURAL-MAIL-RECEIVING APPARATUS. FRANK J. CLARK, Harmony, Minn. Filed Sept. 4, 1923. Serial No. 660,676. 2 Claims. (Cl. 232—40.)

1. A mounting for mail receiving apparatus comprising an oscillatory substantially horizontal head adapted to be mounted for swinging movement on a vertical axis, said head having an elongated angle seat at one side of its axis to which a parcel receptacle is adapted to be secured, and having an oppositely disposed substantially rectangular seat on the other side of its axis adapted to support a mail box and said head also having a transverse channeled portion intersecting the axis of said head to which an upstanding main plate holder is adapted to be secured.



1,639,723. FOLDING-CHAIR HINGE. ORIN H. COLE, Ashland, Oreg. Filed Sept. 15, 1925. Serial No. 56,503. 1 Claim. (Cl. 16—167.)



As a new produce of manufacture, a special hinge adapted to be used in association with a foldable chair of the class described, wherein said chair embodies, among other parts, a back adapted to be hingedly connected to the upper end of the legs of one pair, said hinge embodying pivotally connected leaves, the lower one of which is provided with an inwardly extending plate-like extension having a horizontal supporting flange equipped with an upstanding retaining projection.

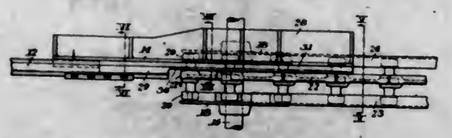
1,639,724. PROCESS FOR THE MANUFACTURE OF DIARYLGUANIDINES. CECIL JOHN TURRELL CRONSHAW and WILLIAM JOHNSON SMITH NAUNTON, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed June 28, 1926, Serial No. 119,266, and in Great Britain July 4, 1925. 4 Claims. (Cl. 260—125.)

1. In the manufacture of diphenylguanidine, the process which comprises treating aniline with liquid cyanogen-chloride in the presence of water, with cooling and violent agitation, and subsequently condensing the cyan-aniline so obtained to form diphenylguanidine by raising the temperature to 90° C.

1,639,725. PROCESS FOR THE MANUFACTURE OF DIARYLGUANIDINES. CECIL JOHN TURRELL CRONSHAW and WILLIAM JOHNSON SMITH NAUNTON, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England, a Corporation of Great Britain. Original application filed June 28, 1926, Serial No. 119,266. Divided and this application filed Mar. 2, 1927, Serial No. 172,198, and in Great Britain July 4, 1925. 5 Claims. (Cl. 260—125.)

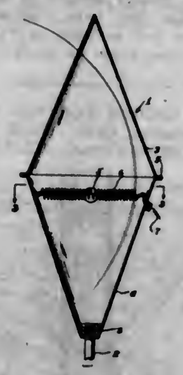
1. A process for the improvement in the manufacture of diarylguanidines, which consists in treating monosmines of the benzene series with cyanogen bromide in the presence of water and condensing by heating the cyanarylide so obtained to form a diarylguanidine.

1,639,726. CAR-TRANSFER APPARATUS. LOUIS E. ENDSLEY, Pittsburgh, Pa., assignor to Fort Pitt Mine Equipment Company, a Corporation of Pennsylvania. Filed Aug. 31, 1926. Serial No. 132,696. 10 Claims. (Cl. 104—137.)



1. The combination with a chain rail conveyer for flanged wheels, of a track approach having a rail head portion spaced from and in approximately longitudinal alinement with the chain rail and having a portion for supporting a wheel flange when the wheel is passing across the space between the chain rail and said rail head portion.

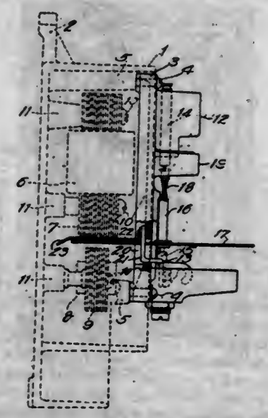
1,639,727. AERIAL. MALCOLM ERNEST FRASER and LOUIS SCHULTZ, Detroit, Mich. Filed Feb. 23, 1926. Serial No. 90,179. 2 Claims. (Cl. 250—33.)



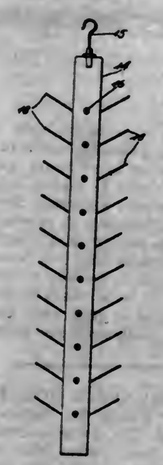
1. In a device of the class described, a spear shaped structure formed of two cone shaped sections and permanently joined in the middle base to base, wire coils at right angles to each other attached to lugs within the lower section, one of the coils having a conductor leading to the exterior of the structure, a support and means for attaching the said structure to the said support.

1,639,728. INDUCTION ELECTRICITY METER. JESSE HARRIS, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a Corporation of Illinois. Filed Jan. 25, 1926. Serial No. 83,579. 8 Claims. (Cl. 171—264.)

1. In an induction electricity meter, the combination with a driving element including a pressure electro-magnet and a current electro-magnet spaced apart from the pressure electro-magnet; of a main support upon which said electro-magnets are mounted; a metallic armature disc extending into the space between said magnets; a spindle carrying said disc; a supplemental support secured to the main support; spindle bearings carried by the supplemental support; and a guard structure carried by the supplemental support and also extending into the space between said electro-magnets and beyond the periphery of the disc and across the periphery of the disc.

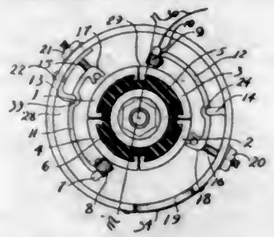


1,639,729. SEED-CORN HANGER. CHESTER N. HILL, Richmond, Ind. Filed Mar. 21, 1927. Serial No. 177,156. 1 Claim. (Cl. 34—26.)



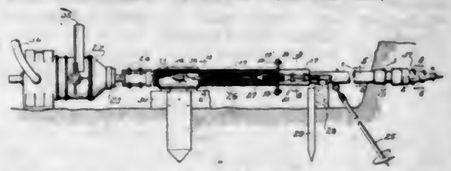
In a device of the kind described, a hanger element consisting of a slat of substantially rectangular cross-section arranged to provide two relatively narrow edges and two relatively wide sides, said slat having a plurality of openings extending therethrough from side to side and a second plurality of openings extending therethrough from edge to edge, the second openings intersecting the first openings diametrically and the first openings being considerably larger than the second openings, a series of wires each having points at each end and extending through a respective second opening, said wires being bent to S-shape within each respective first opening and having the end portions projecting beyond the edges inclined upwardly, and means to suspend said slat.

1,639,730. CIRCUIT BREAKER. HUBERT HINDS, Springfield, Ill. Filed Oct. 31, 1925. Serial No. 66,001. 2 Claims. (Cl. 200—26.)



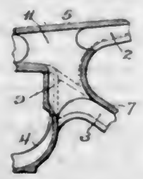
1. A circuit breaker of the character described comprising a rotor member having oppositely disposed metallic segments electrically connected molded within a circular disc of insulation material; said oppositely disposed connected segments insulatably spaced from adjacent segments of like kind in the disc also electrically connected; a pair of contact brushes mounted within a casing secured to the end of corresponding leaf springs adapted to substantially and resiliently urge said brushes into contact with the segments of a disc; said springs supporting said brushes adjustably mounted within a casing so as to provide variation in the circumferential space relation between said brushes.

1,639,731. MEANS FOR INSTALLING GROUND PIPES. JOHN M. HUMISTON, Berwyn, Ill. Filed Apr. 18, 1922. Serial No. 555,529. 3 Claims. (Cl. 225—20.)



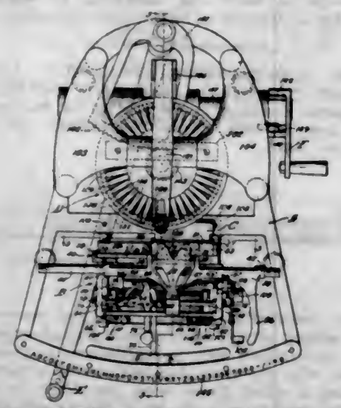
1. A power device for placing rods or pipes in the ground, comprising a threaded shaft to which the rod or pipe may be attached in co-rotary axial alinement, a non rotary threaded sleeve to receive said shaft in effective screw relation, ground anchorage means whereon said sleeve may react longitudinally to prevent backing of said sleeve, said anchorage means being longitudinally adjustable whereby new sleeve setting may be made as the work progresses, power means to forcibly rotate said shaft, and a pilot-head adapted to be attached to and carried by the forward end of the rod or pipe when the latter is to be driven forward into or through the ground.

1,639,732. CAST CAR-TRUCK SIDE FRAME. GEORGE T. JOHNSON and HARRY W. STERTZBACH, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Mar. 25, 1926. Serial No. 97,340. 3 Claims. (Cl. 105—205.)



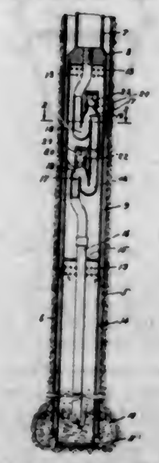
1. A cast side frame for car trucks having a compression member, a tension member, and a journal box, the compression and tension members having the form of inverted channels and the top of the tension member merging into an upwardly extending web in the region of the journal box which web extends above the plane of the top of the box and unites the side walls of the compression member and terminates below the top of said member.

1,639,733. EMBOSSING MACHINE. JOHN E. JOHNSON, Chicago, Ill., assignor to The Speedaumatic Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 8, 1923. Serial No. 617,740. 20 Claims. (Cl. 197—6.7.)



1. In an embossing machine, a die holding member, a substantially vertical pin having a yoke pivoted thereon, said yoke having an arm, a substantially horizontal lever pivotally mounted on said arm, said yoke also having a forked arm opposite said first named arm and embracing said lever, means fixed to said yoke for positioning said die holding member in response to horizontal oscillation of said lever, and means positioned adjacent said lever and actuated by vertical oscillation thereof for controlling power to operate the dies.

1,639,734. GAS ANCHOR FOR OIL WELLS. FLOYD P. JONES, Torrance, Calif. Filed Dec. 11, 1926. Serial No. 154,183. 6 Claims. (Cl. 103—179.)



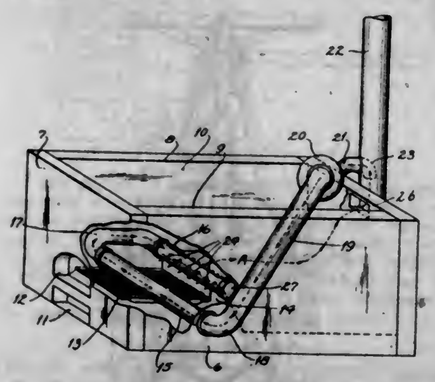
1. In an oil well, an oil suction pipe; and a gas anchor interposed in said suction pipe, said gas anchor having a gas collecting dome formed thereon and a valve located in said dome.

1,639,735. ADJUSTABLE BEAM HANGER. FLOYD P. JONES, Torrance, Calif. Filed Dec. 11, 1926. Serial No. 154,184. 1 Claim. (Cl. 255—11.)



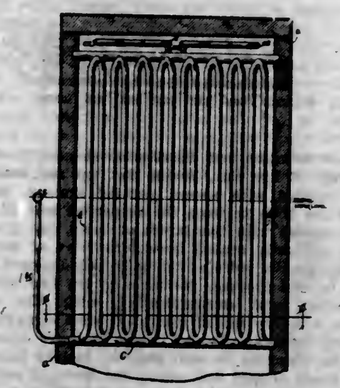
An oil well rigging having in combination a walking beam; a hook pivoted on said walking beam; a clevis engaging with said hook; an internally threaded sleeve pivoted on said clevis; an externally threaded rod threaded into said sleeve; a thrust bearing secured to said threaded rod and a valve rod depending from said thrust bearing and cooperating therewith.

1,639,736. SMOKE CONSUMER. JOHN T. JONES, St. Louis, Mo., assignor of one-half to F. G. Stephens, St. Louis, Mo. Filed Oct. 6, 1926. Serial No. 139,939. 1 Claim. (Cl. 110—49.)



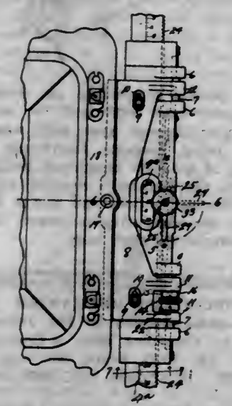
In a device of the type described, a furnace having a fire box in which is positioned a grate and a bridge wall and having in addition a smoke stack, horizontal pipes positioned in said fire box in the horizontal plane on the top of the bridge wall, said pipes being in fluid communication with each other and in fluid communication with the smoke stack, said pipes having perforations therein, the perforations in one pipe being so positoned therein as to emit a gas passing therethrough downwardly on the grate bars and the perforations in the other pipe being so positioned as to emit gases passing therein horizontally and above the gases emitted from the perforations in the first of said pipes.

1,639,737. GENERATING PLANT. LEO I. KELLY, Detroit, Mich. Filed Aug. 19, 1922. Serial No. 582,869. 4 Claims. (Cl. 122—332.)



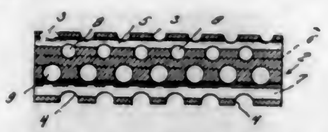
2. A steam generator having a water pipe bent into a spiral with upright coils having straight, parallel uprights and short curves at the top and bottom, a transverse member extending above said coils and said coils opening laterally into said transverse member so that the moving water shall pass along said spiral pipe and the steam escape laterally into said transverse pipe.

1,639,738. MACHINE FOR MAKING PRESS PLATES. ALEXANDER T. KOPPE, Chicago, Ill., assignor to Directoplate Corporation, Chicago, Ill. Filed July 13, 1925. Serial No. 43,837. 6 Claims. (Cl. 95—73.)



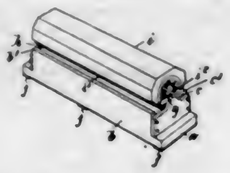
1. The combination with a negative carrying frame, movable members for positioning said negative carrying frame, toothed guide bars on which said movable members are slidably mounted independent of the teeth of the bars, of adjusting means between the movable means and the guide bars, said adjusting means comprising spring detents, noses carried by the detents and cooperating with the teeth of the toothed bars, members carried by said detents, a rotatable shaft carried by the movable means and disposed between the detents and provided with a recess adapted to receive the members carried by the detents to cooperate with the teeth of the toothed bar, and means cooperating with the shaft for locking the same against rotation.

1,639,739. HEAT RETAINING AND DISTRIBUTING ELEMENT. JAMES B. LAUGHLIN, Bradford, Pa. Filed Jan. 13, 1927. Serial No. 160,922. 1 Claim. (Cl. 126—214.)



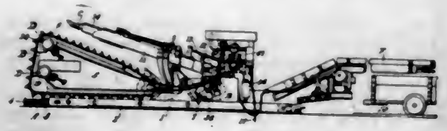
A heat retention and distribution element in the form of a body of fire clay, having flat top and bottom surfaces provided with spaced parallel grooves, that portion of the body between the respective sets of grooves being provided with two layers of bores, one group comprising vertically spaced horizontal rows of bores open through opposite sides of the body and disposed at right angles to said grooves, the bores of the two outer rows intersecting and communicating with the adjacent grooves, and the second group of bores comprising two vertically spaced horizontal layers of boxes extending in the same direction as said grooves, and at right angles to the bores of said first group, the bores of said second group intersecting and being in communication with the top and bottom rows of bores in said first group and also intersecting and being in communication wtih the intermediate row of bores in the first group.

1,639,740. BALL CLEANER. JAMES EDWARD LAWLER, London, England. Filed Aug. 8, 1925. Serial No. 49,068. 8 Claims. (Cl. 15—160.)



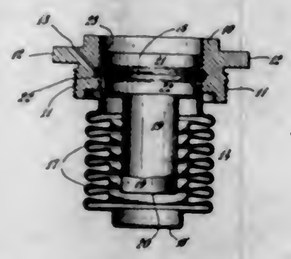
1. A ball cleaner comprising an elongated body, a cleaning element upon said body, a second elongated body, a cleaning element upon said second body, said second body being movable backwards and forwards longitudinally of the first mentioned body whereby balls placed between the respective cleaning elements are subjected to a cleaning action, and means at each end of the first body for preventing movement of the balls beyond the limits of the first body.

1,639,741. DISLODGING MECHANISM. NILS D. LEVIN, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Aug. 13, 1920, Serial No. 403,376. Renewed Jan. 4, 1926. 12 Claims. (Cl. 262—9.)



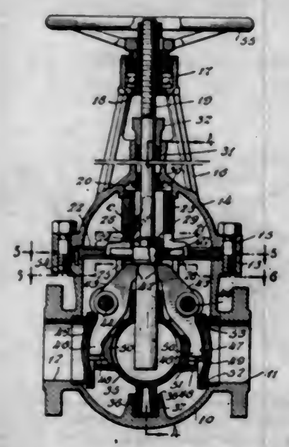
1. In a mining machine, the combination with a cutter frame, a cutter chain carried by said cutter frame and adapted to form a kerf in the mine wall, a transversely extending cylinder attached to said cutter frame and adapted to be carried therewith into said kerf, a plunger movable longitudinally of said cylinder, hydrostatic means to force said plunger outwardly of said cylinder, and resilient means outside of said cylinder arranged to force said plunger inwardly of said cylinder.

1,639,742. EXPANSIBLE COLLAPSIBLE ELEMENT. HARRY C. MALLORY, deceased, Bellport, N. Y., by Sue R. Mallory, administratrix, Bellport, N. Y.; said Harry C. Mallory assignor, by mesne assignments, to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Original application filed Aug. 31, 1920, Serial No. 407,211. Divided and this application filed July 25, 1925. Serial No. 46,105. 14 Claims. (Cl. 297—8.)



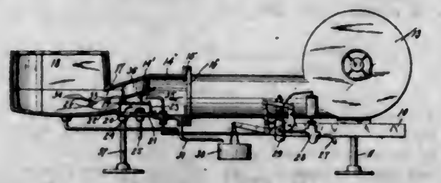
1. A device of the character described comprising a support, an expansible-collapsible element having a closed end and an open end; said element having its open end secured to said support, and a closure for said open end and sealed thereto beyond the point of securement of said element to said support, substantially as specified.

1,639,743. VALVE. KARL MARSCHEIDER, Berlin-Tegel, Germany, assignor to A. Borsig G. m. b. H., Berlin-Tegel, Germany, a Corporation of Germany. Filed Nov. 15, 1924, Serial No. 750,029, and in Germany May 3, 1923. 12 Claims. (Cl. 251—102.)



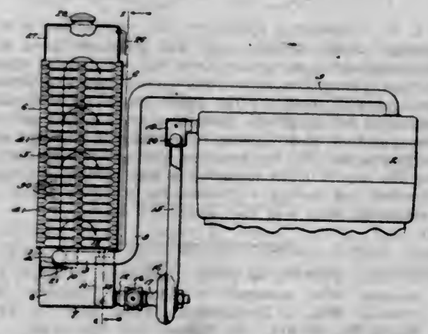
1. A valve of the type having a valve casing provided with an inlet and an outlet, a valve carrying member rotatably mounted in said casing and provided with a conduit adapted when the valve is in its fully opened position to provide a direct communication between said outlet and inlet, valves carried by said member, a spindle projecting outwardly of, and connected with, said casing for rotatable and longitudinal sliding movement relatively thereto for actuating said member and valves; characterized by the provision of means non-rotatably secured to the valve casing and cooperating with said spindle for positively guiding said valve carrying member in all of its positions of movement.

1,639,744. OIL BURNER. AUGUSTUS MISCH, New York, N. Y. Filed June 16, 1925. Serial No. 37,454. 4 Claims. (Cl. 158—28.)



1. A liquid fuel burner comprising a combustion chamber, a pan disposed outside of said combustion chamber, means for heating said pan for vaporizing the fuel, means for atomizing the fuel outside of said combustion chamber and causing the heavier particles settling on to the bottom of said pan to move along with the atomized fuel, and means for causing a stream of air to flow on top of the atomized fuel stream as the latter enters said combustion chamber.

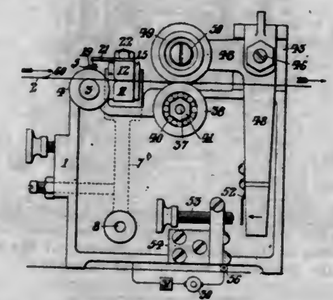
1,639,745. PROCESS OF AND MEANS FOR COOLING INTERNAL-COMBUSTION ENGINES. WELLINGTON W. MUIR, Lockport, N. Y. Filed Oct. 11, 1924. Serial No. 743,158. 11 Claims. (Cl. 123—174.)



1. The process of operating an engine cooling system comprising a jacket and an upflow radiator which consists in supplying to said jacket while the engine is running alternately too little and too much cooling fluid to continuously maintain the jacket temperature at a predetermined point; and alternately subjecting the fluid to a cooling action in the radiator varying with the pressure of said fluid leaving said jacket.

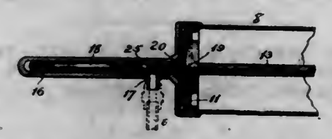
1,639,746. INK-RIBBON STOP MECHANISM. SAMUEL A. NEIDICH, Edgewater Park, N. J. Filed Aug. 6, 1925. Serial No. 48,686. 5 Claims. (Cl. 192—127.)

1. In a ribbon stop mechanism, the combination with a base frame; of an adjustable ribbon guide comprising a stationary stud in said frame, and a collar axially adjusted on said stud; a swing frame pivoted at its one end in said base frame and carrying a rigid finger bar at its other end, extending parallel with said guide stud; a loose finger bar extending parallel with said rigid bar; means operatively connecting said bars for relative movement; a spring connected at one end to said swing frame and at its other end to said loose finger bar and arranged to press a ribbon between said bars; a spring connecting said base frame with said swing frame, arranged to normally hold the latter in opposition to the stress of the ribbon passing between said finger bars; means forming an electric circuit gap on said base frame, arranged to be closed by movement of said swing frame, when the latter is displaced from its normal position in the direction of the traverse of said ribbon between said finger bars; said electric circuit including a tripping device arranged to stop the traverse of said ribbon; a stationary roller stud projecting from said base frame in parallel relation with said guide stud and finger bars; an idle roller mounted on said roller stud and having an annular groove in its circumference; a roller frame, comprising a lever fulcrumed on said base frame and carrying a roller in parallel relation with



said other roller; said second roller having an annular rib flange, adapted to register in the annular groove in said first roller; means forming another gap in said circuit on said base frame and arranged to be closed by movement of said roller frame; whereby, said circuit is arranged to be closed by movement of said finger bars and swing frame whenever a ribbon passing between said bars presents a defect increasing the normal stress of the ribbon upon said bars, in the direction of the length of said ribbon, and said circuit is also arranged to be closed by movement of said roller frame whenever a ribbon passing between said rollers presents a mark increasing the normal thickness of said ribbon and thereby lifts said flanged roller, in a direction transverse to the length of said ribbon.

1,639,747. DOOR-CONTROL MEANS. ARTHUR A. NELSON, Burlington, Iowa, assignor of one-fourth to Luke Palmer, Burlington, Iowa. Filed Oct. 8, 1924. Serial No. 742,493. 4 Claims. (Cl. 121—44.)

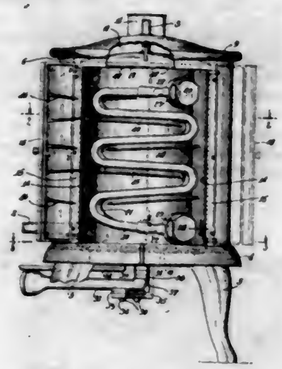


1. A mechanism for the purpose set forth comprising a cylinder, a piston therein, means for connecting one side of the piston with a part to be moved, means for creating suction in the cylinder upon the opposite side of the piston, means for checking the movement of the piston under suction, and means for accelerating the movement of the piston near the close of its stroke.

1,639,748. WATER HEATER. HENRY W. O'DOWD, Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md., a Corporation of Maryland. Filed May 23, 1924. Serial No. 715,285. 8 Claims. (Cl. 122—14.)

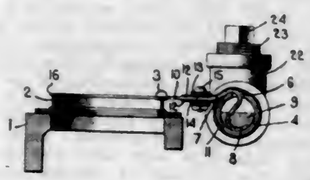
1. A water heater including in combination a cylindrical storage tank, a cylindrical casing surrounding and spaced from said tank and formed in one side with a

recess constituting a shallow segmentally-shaped combustion chamber, a cover for said chamber forming a curved continuation of the casing, a water circulating



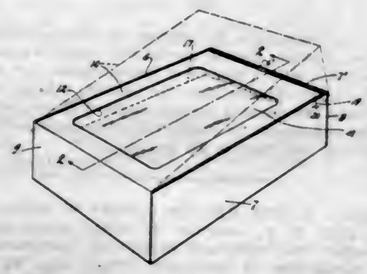
coil arranged in said chamber and contained wholly within the cylindrical contour of the casing and communicating at its ends with the interior of the tank, and means for generating heat in said chamber.

1,639,749. OILING TRAVELER OF SPINNING FRAMES. CLARENCE A. PIERCE, Lowell, Mass. Filed Sept. 18, 1926. Serial No. 136,207. 6 Claims. (Cl. 118—59.)



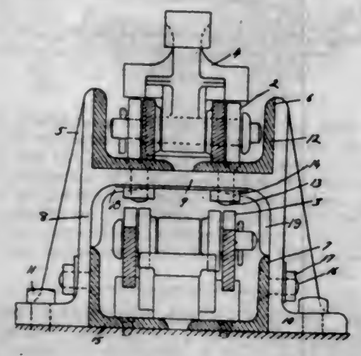
1. In an oiler for spinning ring travelers, the combination with a ring rail, of a plurality of spinning rings thereon, each having a traveler, an oil reservoir extending longitudinally of the ring rail, and a plurality of wicks each having one end immersed in the oil in the reservoir and the other end adjacent the path of a traveler.

1,639,750. MERCHANDISE-DISPLAY BOX. FRANK A. PORTMAN, Chicago, Ill. Filed July 5, 1924. Serial No. 724,202. 7 Claims. (Cl. 206—44.)



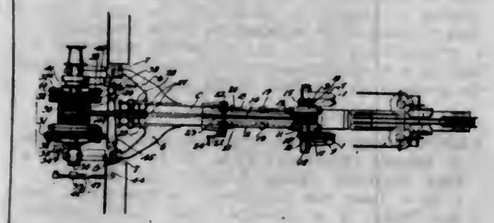
1. The combination with a box body, of a display top arranged to be supported thereon, said display top having an open end and being provided with depending sheets fitting within, contacting with and reinforced by the sides of the box, and a tray supported on said sheets in relation to said display top and removable through said open end.

1,639,751. CONVEYING APPARATUS. NORMAN H. PREBLE, Detroit, Mich., assignor to The Cecil R. Lambert Company, Inc., Detroit, Mich., a Corporation of Michigan. Filed Oct. 8, 1923. Serial No. 667,386. 3 Claims. (Cl. 198—129.)



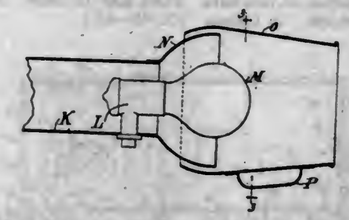
1. In a conveying apparatus, the combination with a sprocket chain, having upper and lower portions, of a standard having upright portions and an integral lateral portion connecting said upright portions intermediate their ends, a track for the upper portion of said chain supported by the lateral portion, a second track for the lower portion of said chain in engagement with the supporting surface for the standard, and means for positioning the second track including a web integral with said standard and having a downwardly extending projection engageable with said last mentioned track.

1,639,752. POWER SHOVEL. LESLIE A. RUSSELL, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Aug. 16, 1923. Serial No. 657,818. 22 Claims. (Cl. 214—135.)



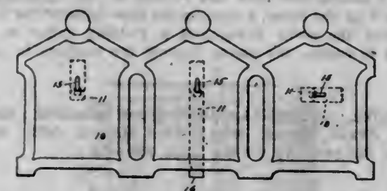
1. In a power shovel, in combination, a boom, a dipper shovel mounted thereon and comprising a handle, shipper mechanism mounted on said boom, cable thrust means cooperating with said shipper mechanism, and means for effecting bodily adjustment of the shipper mechanism relatively to the boom for taking up slack in the cable thrust means.

1,639,753. HAIR DRIER AND THERAPEUTIC LAMP. WILLIAM G. SHELTON, New York, N. Y. Filed Nov. 28, 1925. Serial No. 72,065. 2 Claims. (Cl. 174—177.)



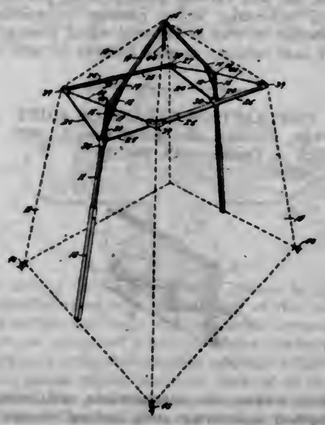
1. In a device of the character described, a therapeutic lamp unit comprising a tubular member, a lamp socket mounted in said member, a reflector open at its rear carried by said member, and a second reflector carried by and movable with respect to the first reflector.

1,639,754. DISPLAY DEVICE. ALFRED JOS. SMITH, Mount Vernon, N. Y. Filed Mar. 3, 1926. Serial No. 91,909. 2 Claims. (Cl. 211—24.)



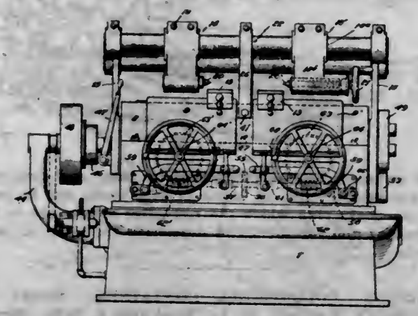
2. In a clamping and supporting device for display cards; a flexible metal strip having one end bent rearwardly and downwardly and terminating in a tongue of reduced width, said tongue bent forwardly through an opening formed in the body of the strip and upwardly after passing through said opening; and the other end of the strip extending downwardly and rearwardly to form a support for the card.

1,639,755. TENT. FRANK M. STOLL, Denver, Colo., assignor to Stoll Manufacturing Company, Denver, Colo. Filed June 18, 1925. Serial No. 37,965. 9 Claims. (Cl. 185—4.)



1. Means for supporting the covering of a tent having four sides and a top, comprising poles adapted to extend upward substantially on a medial line on two opposite sides of said tent; arms extending oppositely outward from each of said side poles to the four corners of said tent; poles connecting the extremities of said arms and adapted to support the remaining two sides and upwardly projecting truss arms carried by said side poles and adapted to support the top of said tent and means for tying the extremities of each pair of oppositely extending arms together.

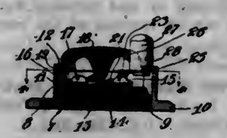
1,639,756. LATHE. GUSTAF DAVID SUNDSTRAND, Rockford, Ill., assignor, by mesne assignments, to Sundstrand Machine Tool Co., Rockford, Ill., a Corporation of Illinois. Filed Nov. 17, 1922. Serial No. 601,469. 33 Claims. (Cl. 82—2.)



1. A lathe having a bed, an overarm rigidly supported above the bed near the forward edge thereof, a front tool carriage mounted upon the forward side of the bed, a rear tool carriage mounted upon the upper side of the bed, a pair of tail stocks suspended from the overarm above and in spaced relation to said carriages, and means also supported by the overarm and secured to the bed for engaging the work between its ends to rotate it.

8. A lathe having a bed, a tool carriage mounted on the bed, means for rotatably suporting the work including a casing having an opening therethrough, an overarm carried by the bed and having said casing suspended therefrom, means carried by the casing adapted to clamp and engage the work to rotate it, a shaft mounted within the bed and extending longitudinally thereof, said casing having a depending part mounted on said shaft.

1,639,757. PUSH-BUTTON SWITCH. OLUF THESEN, Philadelphia, Pa. Filed Nov. 16, 1923, Serial No. 675,114. Renewed June 21, 1927. 4 Claims. (Cl. 200—5.)

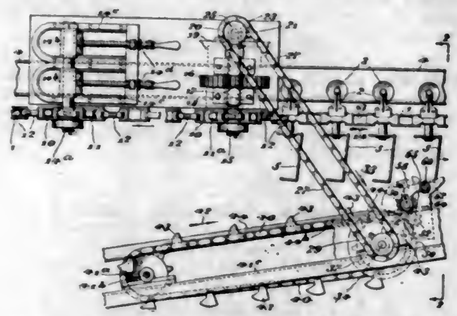


1. A push button switch including a casing; an insulating base within the casing; a stationary contact secured to the base; movable contacts secured to the base and adapted to engage the stationary contact; a main button slidable in the casing for moving one of the movable contacts, and an auxiliary button extending above the main button and slidable in a guide channel between the main button and casing for moving the other contact.

1,639,758. OVERHEAD LOADING MECHANISM. JERVIS B. WEBB, Detroit, Mich. Filed Feb. 12, 1925. Serial No. 8,607. 9 Claims. (Cl. 198—20.)

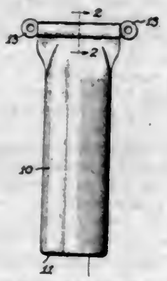
1. In overhead loading apparatus, the combination of an overhead endless traveling conveyer chain having supporting hooks depending at intervals therefrom, means

for elevating objects into position adjacent the line of travel of said supporting hooks, driving means intermediate the said conveyer and the said elevating means, means actuated by the said conveyer for actuating the said driving means to operate the said elevating means,



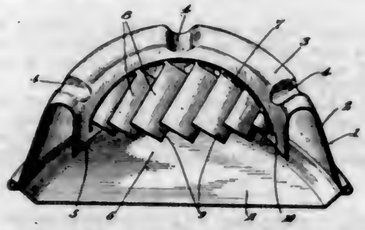
and means for removing said objects from said elevating means into the line of travel of said hooks and in rear of the hooks onto which the respective objects are to be deposited and for thereafter depositing the same on said hooks.

1,639,759. COLLAPSIBLE CONTAINER. SIDNEY S. WHELAN, Westbury, N. Y. Filed July 6, 1923. Serial No. 649,810. 1 Claim. (Cl. 229—66.)



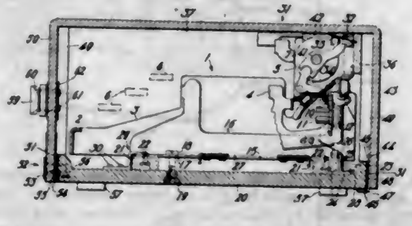
In combination, a substantially tubular normally sealed container constructed of foil and adapted to be collapsed to conform to diminishing volumes of the contents, one end of said container being flattened, and folded upon itself, and a shearing device having a shearing portion enclosed by said flattened and folded end of said container wholly exterior of the container.

1,639,760. ASH RECEPTACLE. JOHN S. WISE, Jr., New York, N. Y. Filed Apr. 2, 1926. Serial No. 99,198. 2 Claims. (Cl. 131—51.)



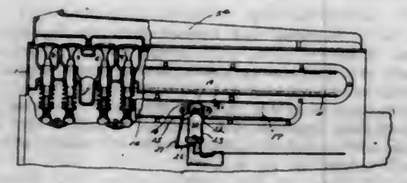
1. An ash receiver comprising a shell and a grating carried thereby having an obstruction to the vision through the same, comprising parallel overlapping bars having flanges depending therefrom, said flanges being inclined at an angle to the horizontal plane.

1,639,761. TYPEWRITING MACHINE AND CASE. GEORGE W. CAMPBELL, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 11, 1920. Serial No. 380,486. 10 Claims. (Cl. 45—52.)



1. A casing to carry a typewriting machine including a platen carriage, a removable cover including sides for said casing, a base for the casing, an upturned rib extending around the margin of the base over which the sides of the cover fit, hooks on the cover to engage the base on the side parallel to carriage travel, corner stiffening pieces joining the sides and resting on the upturned rib to hold up the cover, a lock on the side opposite the hooks to hold the cover down, and a yielding buffer on the cover to engage the platen to hold the machine in place.

1,639,762. INTERNAL-COMBUSTION ENGINE. EDWIN R. EVANS, Detroit, Mich. Filed Mar. 5, 1923. Serial No. 623,048. 11 Claims. (Cl. 123—52.)



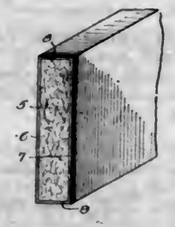
1. In an internal combustion engine, a cylinder block having a series of exhaust ports and an open sided longitudinally extending exhaust passage substantially entirely therewithin, the said exhaust passage being provided with a vertically extending water passage intermediate its ends, a deflector secured to the said water passage, and a closure for said exhaust passage secured to said cylinder block.

1,639,763. CONTRACTION EXPANSION JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed Dec. 7, 1925. Serial No. 73,932. 6 Claims. (Cl. 94—18.)



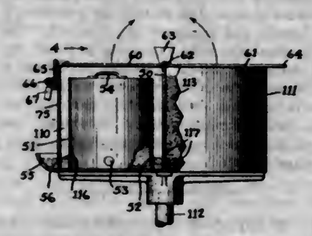
1. A joint between concrete sections, comprising a vertically disposed separating strip having wooden dowels projecting from opposite sides thereof, the dowels on one side of the strip having a diameter greater than that of the diameter of the same dowels projecting from the opposite side of the strip.

1,639,764. EXPANSION JOINT. ALBERT C. FISCHER, Chicago, Ill. Filed Aug. 21, 1926. Serial No. 130,686. 7 Claims. (Cl. 94—18.)



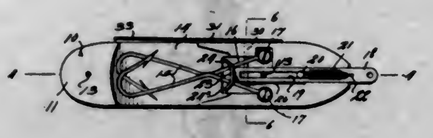
1. An expansion joint comprising a preformed compressible structure enclosed in a jacket of plaster which is permanently rigid after hardening.

1,639,765. TEE BOX. HAROLD A. FISHER, Denver, Colo. Filed Aug. 21, 1923. Serial No. 658,535. 7 Claims. (Cl. 273—32.)



1. A tee box comprising in combination, a water receptacle, a sand receptacle in communication with said water receptacle below the water level, and means comprising a water reservoir for automatically supplying water to said water receptacle when the water in the latter descends below a predetermined level.

1,639,766. FISH LURE. HARRY L. FISHER, Muscatine, Iowa. Filed Mar. 15, 1927. Serial No. 175,589. 7 Claims. (Cl. 43—35.)



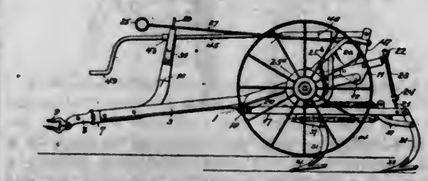
1. A fishing lure comprising a hollow body having a slot communicating with the interior of the body, a hook pivoted within the body and swingable outward through said slot to projected position, means constantly urging the hook to a retracted position entirely within the body, a sliding shank within the body adapted to be connected to a fishing line and engaging the hook and causing the projection of the hook through said slot when strain is placed upon the line and the shank is shifted relative to the body in one direction, means latching the sliding shank in a retracted position, and means acting to release the latching means when a fish has grabbed the lure.

1,639,767. BOW TIE. LOUIS FRIEDMAN, New York, N. Y. Filed July 14, 1924. Serial No. 725,815. 1 Claim. (Cl. 2—151.)



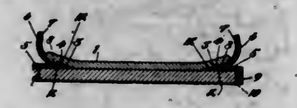
In a ready-made bow tie, the combination with an outer cover, of a lining disposed within the outer cover, and a stiffening member of zig-zag formation interlaced in the lining.

1,639,768. CULTIVATOR. ARTHUR D. GALLAGHER, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed July 23, 1924. Serial No. 727,743. 3 Claims. (Cl. 97—184.)



1. In a cultivator, the combination with a frame, of two cultivator gangs, both connected with the forward portion of said frame, each gang unit including a beam portion and a standard portion pivoted to the beam portion, and spring tripping mechanism between the beam portion and the standard portion of each gang unit, the springs of the tripping mechanism for the rear gang units being located under the beam portions thereof and the springs of the front gang units being located above the beam portions thereof.

1,639,769. SHOE-BOTTOM CONSTRUCTION. LORENZO H. GILSON, Brockton, Mass. Filed Feb. 14, 1923. Serial No. 618,944. 4 Claims. (Cl. 36—43.)



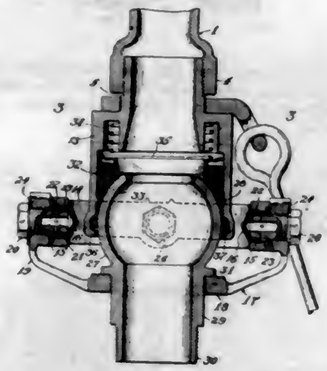
1. In combination with a shoe having a channeled innersole presenting a triangular open channel, a strip of triangular cross section and uniform from end to end filling said channel.

1,639,770. INNERSOLE CHANNEL FILLER. LORENZO H. GILSON, Brockton, Mass. Filed Apr. 26, 1924. Serial No. 709,171. 4 Claims. (Cl. 36—43.)



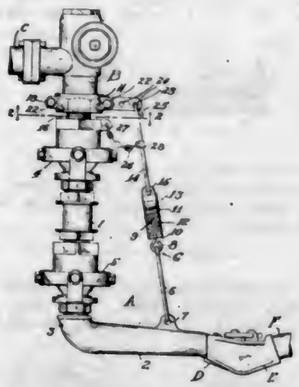
4. The method of making an innersole channel filler strip which comprises securing together layers of grain leather to from a continuous length of two ply material, the flesh sides of the plies being in contact, and cutting the length along a diagonal to form a pair of filler strips each of triangular cross section each edge of which is from the grain side portion of the leather.

1,639,771. FLEXIBLE JOINT. EGBERT H. GOLD, Evanston, and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor of his one-half to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed Mar. 17, 1922, Serial No. 544,448. Divided and this application filed Mar. 18, 1926. Serial No. 95,805. 3 Claims. (Cl. 285—93.)



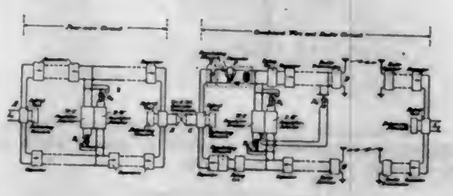
1. In combination with the articulated elements of a flexible metallic conduit, a pivot construction forming a part of said articulation comprising a bushing set into one of said elements, the inner end of which is closed, and a pivot stud secured to the other element and projecting into said bushing, the pivot stud being provided with lubricant ducts leading from the inner end of the same to the bearing surfaces of said stud and bushing.

1,639,772. SUSPENSION DEVICE FOR FLEXIBLE JOINTS. EGBERT H. GOLD, Evanston, and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor of his one-half to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Mar. 18, 1926. Serial No. 95,806. 14 Claims. (Cl. 285—7.)



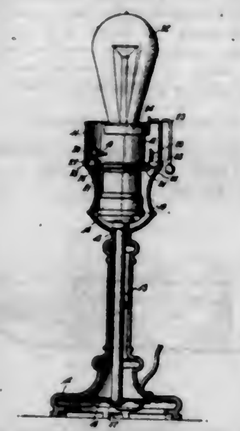
1. In a flexible metallic conduit structure adapted, when coupled with another conduit structure, to make the connection between the train pipes on adjacent cars of a railway train, the combination of a plurality of tubular elements flexibly articulated, and a flexible supporting member for holding up the lower outwardly projecting portion of said structure when uncoupled, said supporting member being attached at its lower end to the outer end of the structure, and a supporting bracket for the upper end of the flexible supporting member comprising an arm projecting outwardly above the outwardly projecting portion to a point substantially over the center of gravity of the conduit structure, the flexible supporting member being attached to the outer end of this arm.

1,639,773. TWO-WAY TELEPHONE TRANSMISSION. HAROLD S. HAMILTON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 24, 1926. Serial No. 150,496. 2 Claims. (Cl. 250—6.)



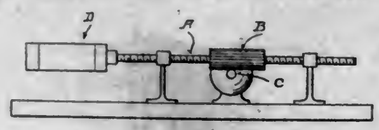
1. In a two-way telephone system including a four-wire circuit having two paths adapted for transmission in opposite directions and a combined wire and radio circuit having outgoing and incoming wire paths connected to said four-wire circuit, the method of preventing the application of static and noise to the four-wire circuit which consists in disabling said incoming path of the combined wire and radio circuit in response to currents of a predetermined value in said outgoing path, and regulating the currents entering said outgoing path so that they will have the predetermined value whatever may be the strength of the voice currents applied to said path from the four-wire circuit.

1,639,774. PORTABLE REGULATABLE LAMP. WILLIAM A. HARVEY, Scranton, Pa. Filed July 2, 1923. Serial No. 649,148. 2 Claims. (Cl. 240—1.)



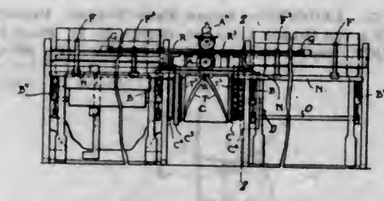
1. In an electric lamp, the combination of a housing; a standard socket rigidly mounted in said housing; a regulatable socket having a member removably received in said standard socket, and a regulating member oscillatably mounted thereon, said first named member being provided with a projecting arm; and anchoring means rigid with said housing and standard socket, engaging said arm to prevent the unintentional disengagement of said first named regulating socket member from said standard socket.

1,639,775. FILM-PIERCING SPARK UNIT. CHARLES FRANCIS JENKINS, Washington, D. C. Filed Jan. 2, 1925. Serial No. 221. 1 Claim. (Cl. 178—18.)



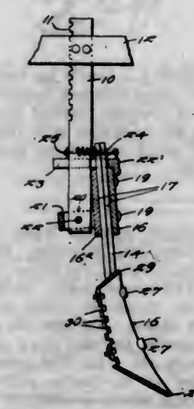
The combination of a rotating cylinder, a threaded shaft to rotate and to advance said cylinder, a wide-faced gear for rotating said shaft, said gear having a face equal to the longitudinal movement of said shaft.

1,639,776. LOOM FOR WEAVING. EDGAR KILNER, Manchester, England. Filed June 17, 1924, Serial No. 720,534, and in Great Britain June 28, 1923. 5 Claims. (Cl. 139—127.)



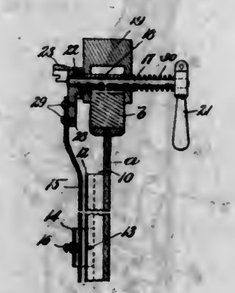
1. The combination with a loom, of a traversing member movable to and fro across the running board of the loom, means carried by said member for automatically gripping, and cutting a thread and carrying the same across the running board of the loom, and means for operating said traversing member.

1,639,777. CULTIVATOR ATTACHMENT. OSCAR J. LEWIS, Canton, Ill. Filed Oct. 21, 1926. Serial No. 143,233. 2 Claims. (Cl. 97—184.)



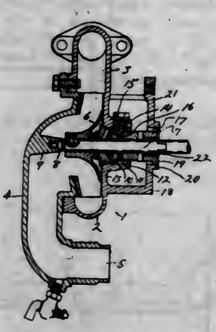
1. In an attachment for cultivators, a standard having means whereby it may be vertically adjustably connected with the frame bar of a cultivator, a transversely extending tine support pivotally connected at its rear face in spaced relation to its upper edge with the lower end of the standard and a spring connection between the upper edge of the tine support and standard normally maintaining said upper edge in engagement with the standard, a guide secured to the tine support and extending rearwardly therefrom, said guide having a slot within which said standard operates.

1,639,778. WINDOW WIPER. ERNEST P. LOCKE, Boston, Mass. Filed July 23, 1926. Serial No. 124,376. 1 Claim. (Cl. 15—255.)



A window wiper comprising a wiping member for engaging the glass of a window, a shaft to which said wiping member is secured, a hub through which said shaft is extended and in which it is capable of rotary and axial movements, a plate attached to said hub and provided with a substantially semi-circular flange having a notch, and a lug attached to and movable with the wiping member and adapted to enter said notch when the said shaft is moved axially and rotated to thereby lock the latter against rotation.

1,639,779. PUMP. EARLE S. MACPHERSON, Detroit, Mich., assignor to Hupp Motor Car Corporation, Detroit, Mich., a Corporation of Virginia. Filed July 14, 1924. Serial No. 725,976. 6 Claims. (Cl. 308—134.)

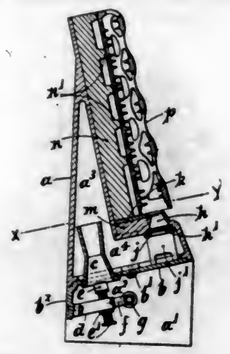


1. In a pump, the combination with the body having spaced inner and outer walls provided with aligned openings and a rotor shaft extending through said openings, of packing within the opening of said inner wall and surrounding said shaft, and a nut having an inner portion carried by said inner wall and an outer portion fitting in the opening in said outer wall, said nut being insertable through the opening in said outer wall and forming a bearing substantially in the plane of said outer wall in which said shaft is journaled.

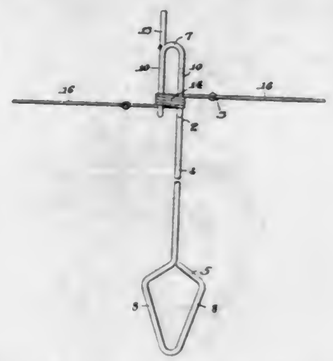
1,639,780. INCANDESCENT GAS FIRE. JOHN MULHOLLAND, Whitley Bay, England. Filed Feb. 14, 1927, Serial No. 167,973, and in Great Britain Feb. 25, 1926. 4 Claims. (Cl. 126—92.)

1. An incandescent gas fire comprising a hollow support of L-section, a refractory back plate in front of the upright portion of said hollow support, burners along the

upper face of the forwardly-projecting portion of said hollow support, upstanding radiants disposed over said burners in front of said refractory back plate, an upright inductance tube carried by said hollow support, the upper end of said inductance tube extending into the upright portion of said hollow support to a height above that of the angle between the upright and forward portions thereof, and means for supplying gas to said induction tube.



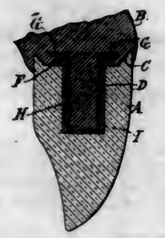
1,639,781. PLANT SUPPORT. OTTO A. MÜLLER, Ambler, Pa. Filed Dec. 16, 1925. Serial No. 75,714. 4 Claims. (Cl. 47—47.)



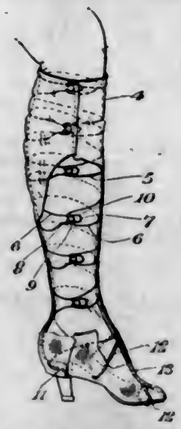
1. In a plant support, the combination of a standard having two upwardly extending projections each of a width greater than the thickness thereof and one being set substantially at right angles to the other, and a plant supporting member having an elongated loop constructed to surround and engage either projection of the standard and to be thereby supported and prevented from turning.

1,639,782. ARTIFICIAL DENTURE. FREDERICK HAROLD NIES, Brooklyn, N. Y. Filed Mar. 17, 1924. Serial No. 699,923. 13 Claims. (Cl. 32—9.)

1. A post for artificial teeth, comprising a substantially tubular member adapted to enter a socket in the tooth, said tubular member having near its outer end a transversely extending part adapted to project beyond the base of the tooth so as to permit the material of the plate to pass beneath it whereby such part becomes embedded in the plate, and forms an anchorage for the tooth, a portion of such transversely extending means being adapted to hold the post with a portion of such part separated from the base of the tooth.



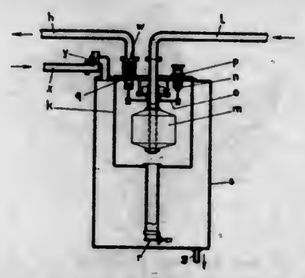
1,639,783. LEGGING. FOLKE FRED NORDEN, Brooklyn, and WALTER GILSON LOAN, St. George, N. Y. Filed Feb. 17, 1927. Serial No. 169,036. 6 Claims. (Cl. 36—2.)



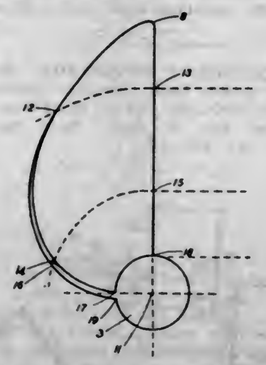
6. A legging comprising a flexible leg and shoe covering and a resilient wire frame attached thereto consisting of a connected series of openable resilient leg, toe and heel embracing members all collapsible with the covering into a substantially flat bunch or package around the ankle or for transportation.

1,639,784. CHARGING DEVICE FOR COMBUSTION MACHINES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Germany, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Filed Jan. 14, 1925, Serial No. 2,458, and in Germany Apr. 30, 1923. 1 Claim. (Cl. 158—36.1.)

A fuel feeding system for that type of auto vehicle construction in which the main fuel reservoir is lower than the carburettor of the engine and in which the normal vacuum in the intake manifold is intermittently changed to over-pressure by the use of a supercharger, comprising, a vacuum tank communicating with a main fuel reservoir, an auxiliary tank communicating with the carburettor of the engine, said auxiliary tank being in one-way communication with said vacuum tank to receive fuel from the latter, a conduit connecting said vacuum tank with a region of the engine in which the normal vacuum alternates with overpressure from the supercharger when the latter is operated, a conduit connecting said auxiliary tank with a region of the engine subject to over-pressure of the supercharger, and a check valve in said first named conduit operative upon the simultaneous application of over-pressure to both said conduits, to close said first named conduit against communication with the main fuel reservoir.

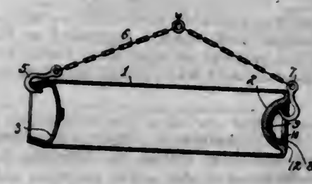


1,639,785. PROPELLER. BENJAMIN URZÚA SEPÚLVEDA, Santiago, Chile. Filed Jan. 16, 1923. Serial No. 612,909. 5 Claims. (Cl. 170—159.)



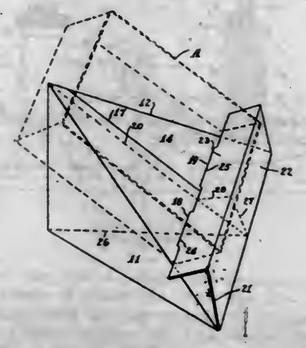
1. A helical propeller blade having its maximum propelling surface near the hub end, the leading edge of the blade being in a straight line extending radially from one end of the hub and the exit edge being in a line extending helically from the opposite end of the hub and intersecting the leading edge at a point approximately in a line passing through the longitudinal center of the hub.

1,639,786. GRIPPING MEMBER FOR CYLINDERS. JOSEPH A. STEINMETZ, Philadelphia, Pa. Filed Sept. 22, 1923. Serial No. 664,287. 3 Claims. (Cl. 220—3.)



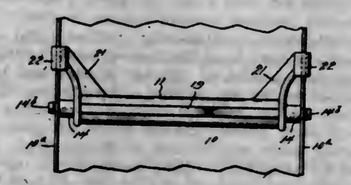
1. A seamless drawn steel cylinder having a body portion and an integral drawn head closing one end of the cylinder, said head provided with a recess extending inwardly beyond the plane of the end of the body portion, and a handle secured upon said head located entirely within said recess.

1,639,787. VENDING DISPLAY SUPPORT. EDWARD O. TINSLEY, New York, N. Y., assignor to Robert Gair Company, New York, N. Y., a Corporation of New York. Filed Oct. 2, 1925. Serial No. 60,060. 12 Claims. (Cl. 211—24.)



1. In a display support formed by folding a blank, in combination, a triangular back for superposing the display support on a plane surface, triangular side walls each foldably connected along one of their sides to the back and supported thereby, an upwardly extending and rearwardly inclined triangular display face foldably connected along two of its sides to the sides of the side walls opposite to their sides of connection to the back and supported by the side walls, the display face being free at its base, a supporting member foldably connected along one of its sides to the base of the back, and a ledge foldably connected along one of its sides to the opposite side of said supporting member and detachably engageable on its other side to the display face near the base of said face or supporting an article on the ledge at the inclination of and bearing against the display face.

1,639,788. DEVICE FOR LIFTING ICE CANS. MICHIEL J. ULINE, Toledo, Ohio. Filed Jan. 31, 1927. Serial No. 164,878. 7 Claims. (Cl. 294—81.)

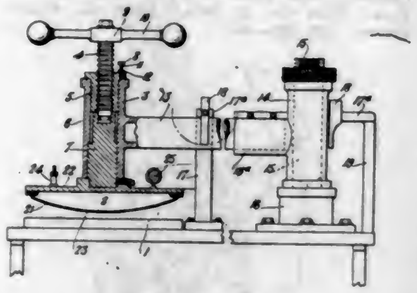


2. In a device of the kind described, a lifting bar having bolts at their opposite ends for engagement with the opposite sides of an ice can, and arms rigid with the lifting bar and having hooks at their ends for engagement with the edges of the can at points spaced from the engagement of the bolts with the sides of the can.

1,639,789. PRINTING APPARATUS. GEORGE HENRY WALTERS, Bristol, England, assignor of one-half to George Mann and Company Limited, London, England. Filed Jan. 18, 1927, Serial No. 161,778, and in Great Britain Jan. 20, 1926. 6 Claims. (Cl. 101—41.)

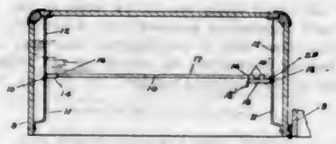
1. A printing apparatus comprising a hollow resilient pad adapted to be distended by fluid and adapted to be

pressed alternately upon a flat printing surface so as to receive an impression of the printed matter and upon a flat surface to which the impression is to be transferred, means for correctly aligning the pad with the printing surface and the receiving surface so that successive



impressions received and applied by the pad correspond accurately with each other, and means to ensure that the pressure applied for transferring the printing matter to the pad corresponds with the pressure applied in transferring the printing matter from the pad to the surface to which the impression is to be transferred.

1,639,790. GARMENT RETAINER. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed June 18, 1921. Serial No. 478,587. 1 Claim. (Cl. 190—36.)

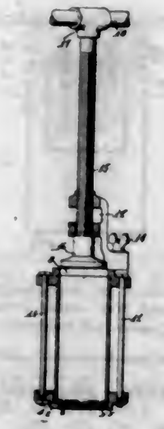


The combination with a pair of spaced guide members having spaced openings forming locking shoulders, a bar member extending longitudinally between said guide members, an integral band like locking member extending around one end portion of the bar member and having with relation to the bar member a fixed forwardly projecting bolt formed with an outwardly extending hook shaped end which extends into one of the bolt openings of the adjacent guide member and is disengageable therefrom only by forwardly swinging motion of the bar member, the openings engaged being of less diameter than the length of the hook portion another integral band like locking member extending around the opposite end of the bar member and having guide fingers which engage the upper and lower edge portions of the adjacent guide members, and a spring actuated bolt member yieldingly mounted in said last mentioned locking member and extending between the fingers and entering one of the openings of the adjacent guide member

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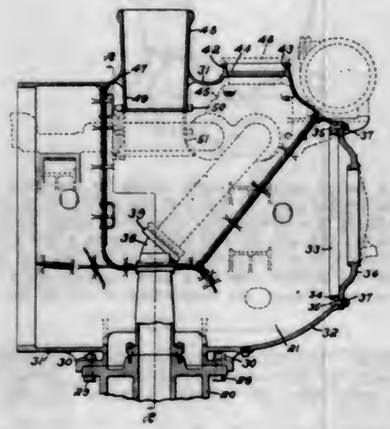
1,639,791. PRESS. RAFFAELE BACCELLIERI, Philadelphia, Pa. Filed May 7, 1925. Serial No. 28,611. 4 Claims. (Cl. 107—14.)

3. A press including an attaching head having an opening and counter-bore, a die head having an opening and a counter-bore, a cylinder having its ends in the counterbores clamped between the heads and communicating with the openings, the opening of the die head being of less diameter than the cylinder to provide a



shoulder, a die resting on the shoulder, a piston bracket mounted on the attaching head, and a piston in the bracket.

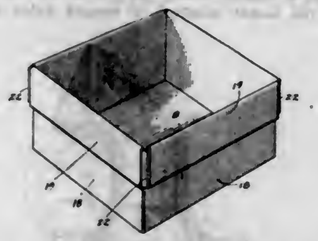
1,639,792. LOCOMOTIVE SMOKE BOX. WILLIAM L. BEAN, West Haven, Conn. Original application filed Mar. 5, 1925, Serial No. 13,242. Divided and this application filed Nov. 19, 1926. Serial No. 149,377. 18 Claims. (Cl. 105—37.)



1. A locomotive smoke-box comprising a casting having a circumferential wall which is thickened at its lower part where the products of combustion travel along the internal surface of said wall toward the stack.

1,639,793. BOX. ALFRED H. BEYER, Cleveland, Ohio. Filed Aug. 11, 1926. Serial No. 128,675. 1 Claim. (Cl. 229—30.)

A box comprising a bottom, sides integral with said bottom and upturned therefrom, a flat band in the form of a closed loop around said sides and adjacent the upper part thereof, said band having a width less than the height of the sides, and extensions integral with said sides folded around the upper and lower edges of said band and extending from the lower edge of said band



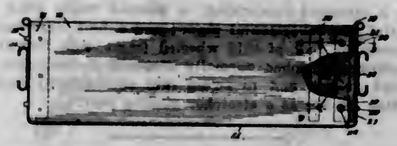
sufficiently upward between the band and the sides to hold the band in place without the use of fastening means, said box being of cardboard.

1,639,794. SPINNING, TWISTING, AND LIKE FRAME. THOMAS ALEXANDER BOYD, HAROLD ARTHUR BOYD, and JAMES BOYD, Glasgow,, Scotland. Filed Sept. 4, 1925, Serial No. 54,440, and in Great Britain Dec. 5, 1924. 3 Claims. (Cl. 118—51.)



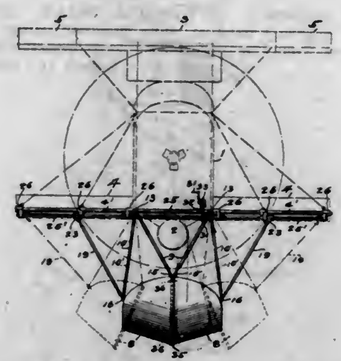
1. In a flyer spinning or like frame, in combination, a rotatable bobbin, a rotatable bobbin carrier to support said bobbin laterally, said carrier supported entirely independently of said bobbin and having no driving connection with said bobbin, a flyer mounted separately from said carrier, means independent of said bobbin for transmitting rotation positively to said carrier and means for effecting traverse of said carrier and bobbin relatively to said flyer without longitudinal movement of said bobbin relatively to said carrier.

1,639,795. ADJUSTABLE PARTITION. JAMES R. CLARK, Rochester, N. Y., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y., a Corporation of New York. Filed Sept. 5, 1925. Serial No. 54,626. 5 Claims. (Cl. 45—7.)



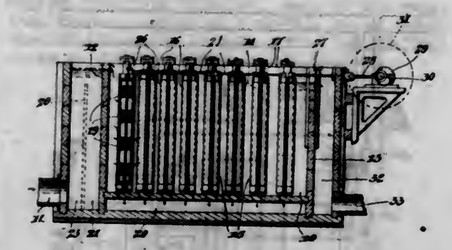
1. The combination with a drawer having spaced apertures in the sides thereof, a double walled partition member having lugs fixed at one end and adapted to project through the apertures in one side, a bar slidable between the walls of said partition member and having lugs adapted to project into apertures in the other side, and resilient means tending to hold the slidable bar in engagement with the side of the drawer.

1,639,796. AIRCRAFT. CLEM H. CORGDON, Cleveland, Ohio. Filed Feb. 28, 1927. Serial No. 171,477. 10 Claims. (Cl. 244—2.)



4. In combination with an aircraft, a central divisible float, laterally extending oppositely threaded shafts, guide fittings operable on the shafts, and means for imparting motion to the fittings along the shafts whereby the float is caused to divide.

1,639,797. PULP SCREEN. JOHN ARTHUR DICKINSON, East Angus, Quebec, Canada. Filed May 3, 1926. Serial No. 106,485. 17 Claims. (Cl. 92—29.)

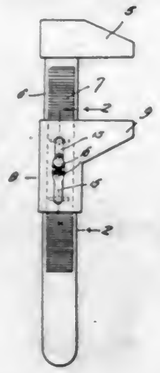


1. In a pulp screen the combination with a tank or vat provided with intake and discharge pipes and having adjustable weirs therein, of a series of pivotally mounted screening units intermediate of said weirs.

1,639,798. WRENCH. FRANK DOMINELLI, Olean, N. Y. Filed May 20, 1926. Serial No. 110,456. 1 Claim. (Cl. 81—145.)

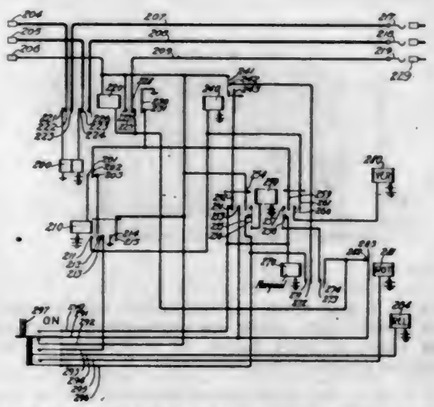
In a wrench of the class described, a handle, a stationary jaw formed on one end thereof, there being transversely extending spaced teeth formed on one side of the handle, a jaw carrying sleeve slidably mounted on the handle, said sleeve having transversely arranged sockets formed in one side thereof adjacent its upper and lower ends, said sockets communicating at their inner ends with the bore of the sleeve, an annular flange in the outer end portion of each socket, a pin arranged in each socket, a bevelled head on the inner end of each pin, a coil spring encircling each pin and disposed between the bevelled head on the inner end of the pin and the annular flange in the respective socket for normally holding the bevelled heads of the pins in engagement with the teeth of the handle, means upon the outside of the sleeve for moving the pins out of engage-

ment with the teeth, said means comprising a pair of metallic strips secured at their outer ends to the respective pins, the outer end portions of the strips en-



gaging the respective annular flanges in the sockets, said strips being bent outwardly at their inner ends in order that the same may be rocked upon the sleeve.

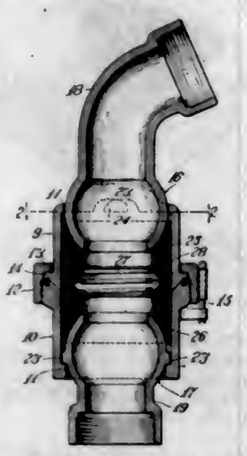
1,639,799. AUTOMATIC TELEPHONE SYSTEM. OTTO A. FRIEND, New York, N. Y., and GEORGE E. DUSTIN, Woodcliff, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 24, 1923. Serial No. 670,558. 7 Claims. (Cl. 179—18.)



1. In a digit absorbing selector having a primary movement in response to more than one series of impulses and an automatic secondary movement, means for dissipating the first series of impulses, a relay, a circuit for operating said relay after the first series of impulses received by said selector has been dissipated, a magnet, and a circuit controlled by said relay for closing the circuit of said magnet so that the subsequent series of impulses will initiate the primary movement of the switch.

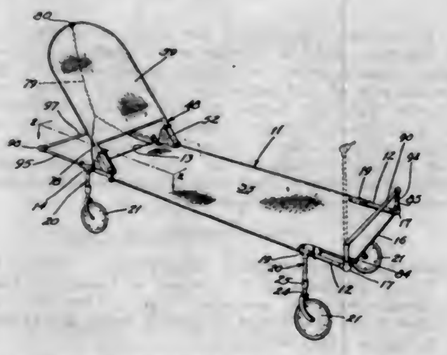
1,639,800. FLEXIBLE JOINT. LAWRENCE H. GILLICK, St. Paul, Minn., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed July 26, 1920, Serial No. 398,882. Divided and this application filed July 2, 1925. Serial No. 41,052. 12 Claims. (Cl. 285—92.)

1. A flexible joint comprising two internally cylindrical socket members, a ball member in the outer end of each socket member, means for preventing withdrawal of the ball members through the outer ends of the socket members and serving to permit a limited swinging motion and a limited rotary motion of the ball members within the socket members, a flanged union secured by



screw threads upon one of said socket members and embracing a flange upon the other socket member for securing said two members detachably together, and gaskets slidably mounted between said ball members and movable in opposite directions into contact with the ends of said ball members respectively.

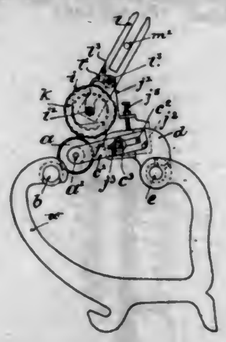
1,639,801. STRETCHER. WILLIAM H. HEISE, Los Angeles, Calif. Filed May 9, 1925. Serial No. 29,051. 4 Claims. (Cl. 296—20.)



1. A stretcher comprising: a wheeled frame lying substantially in a horizontal plane; and a foot frame mounted upon the foot of said wheeled frame, said foot frame including a member normally disposed horizontally and pivoted at one end to swing into substantially vertical position for use as a stretcher guiding post.

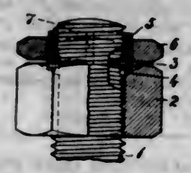
1,639,802. DETACHING ROLLER OF COMBING MACHINES FOR COMBING COTTON AND OTHER FIBROUS MATERIALS. NORMAN JONES and STANLEY JONES, Bolton, England. Filed Nov. 2, 1926, Serial No. 145,763, and in Great Britain Nov. 13, 1925. 3 Claims. (Cl. 19—140.)

1. In connection with the detaching rollers of combing machines, the employment of a revolving stripping clothed roller co-operating with a revolving clearer roll, and means to positively and automatically actuate the re-



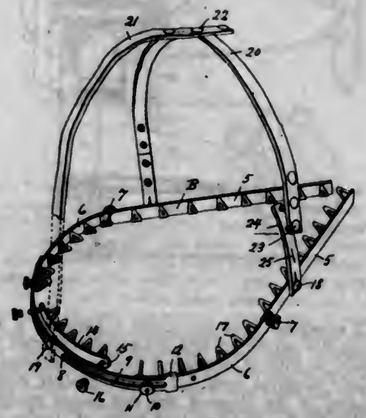
volving stripping clothed roller to strip the revolving clearer roll, the waste being stored on the revolving stripping clothed roller.

1,639,803. NUT LOCK. GUSTAF EMIL JONSSON, Halmstad, Sweden. Filed Feb. 1, 1926, Serial No. 85,293, and in Sweden Feb. 4, 1925. 2 Claims. (Cl. 151—19.)



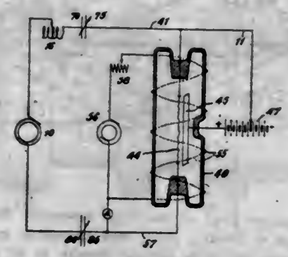
1. In a work holding nut with a nut-lock, recesses in the upper flat end of said work nut, a split ring with inside threads of the same size and pitch as those of said work nut and with outside threads on a substantially conical surface co-acting with a locking nut with corresponding threads, the split ring being provided with projections co-acting with said recess in said work nut.

1,639,804. HAIR-BOBBING DEVICE. FELIX LEWIS, St. Petersburg, Fla. Filed Sept. 20, 1926. Serial No. 136,575. 3 Claims. (Cl. 132—45.)



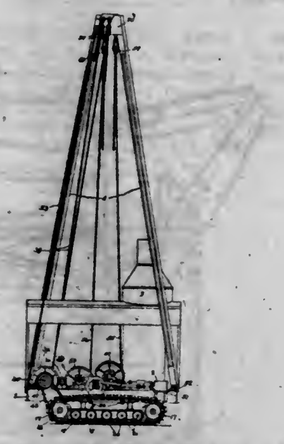
1. A hair bobbing device comprising a pair of side bands divided into sections, a back section adjustably connected to the side sections, a harness associated with the bands, and a plurality of teeth projecting inwardly from the band.

1,639,805. RADIO APPARATUS. FREDERICK S. MCCULLOUGH, Cleveland, Ohio, assignor to Glenn L. Martin, Cleveland, Ohio. Filed Jan. 9, 1920. Serial No. 350,362. 11 Claims. (Cl. 250—27.)



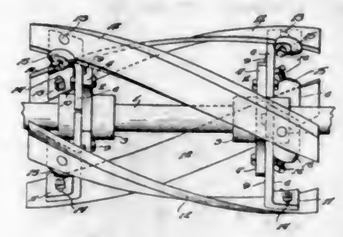
1. In a radio apparatus, the combination of a filament, a glass-like wall surrounding said filament, means for heating the filament; means for heating the wall; said filament and heating means constituting electrodes of an electrical circuit.

1,639,806. TRACTOR SKIDDER. JOHN R. MCGIFFERT, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a Corporation of Maine. Filed Oct. 19, 1921. Serial No. 508,989. 9 Claims. (Cl. 254—145.)



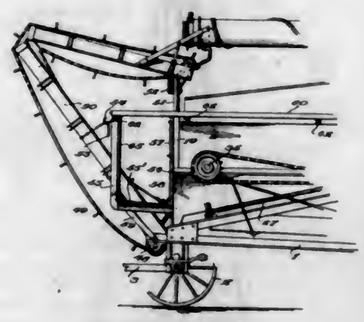
1. In a machine of the character described, the combination with a portable base frame of general rectangular form; of a boom mounted thereon, said boom consisting of two legs inclining toward each other and connected at their upper ends, the lower ends of said legs being attached to said frame at diagonally opposite corners.

1,639,807. CUTTER HEAD. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Dec. 13, 1924. Serial No. 755,689. 3 Claims. (Cl. 146—106.)



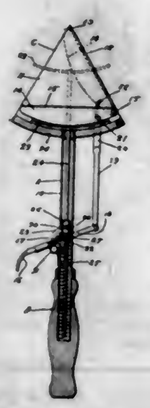
3. In a cutter head of the type described, heads to be secured upon a driving shaft and including radially extending spokes, brackets having shanks to be detachably secured to transverse sides of the spokes of the heads with their inner ends resting upon the hubs of the heads, seats at the outer ends of the brackets extending laterally with respect to the brackets and curved circumferentially with respect to the hubs of the heads, and cutter members resting at their ends upon and secured to said seats, the brackets being of different lengths and interchangeable whereby a cutter or a shredder may be used without changing the radius of the circle described by the cutting edge.

1,639,808. CONVEYER. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Original application filed Nov. 29, 1924, Serial No. 753,007. Divided and this application filed Apr. 13, 1926. Serial No. 101,795. 3 Claims. (Cl. 198—115.)



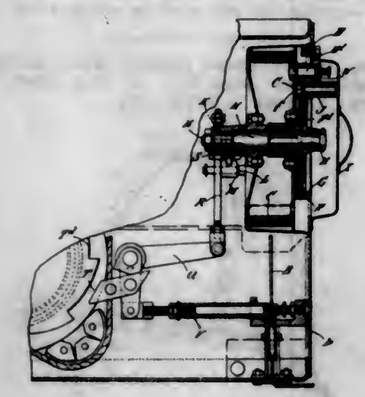
1. In a corn-husking machine, the combination of a frame, an ear conveyer mounted for rocking movement in a vertical plane at the front end of the frame, platform-supporting arms secured to the front end of the frame and projecting forwardly therefrom beyond the lower end of the conveyer and then upwardly, and flexible conveyer-supporting members attached to the upwardly extending portions of said arms and engaged with the conveyer, the conveyer passing between said arms when in raised position.

1,639,809. ICE-CREAM SCOOP. GEORGE T. PARR, St. Paul, Minn., assignor to Parr Pie Company, a Corporation of Minnesota. Filed May 1, 1922. Serial No. 557,502. 6 Claims. (Cl. 107—48.)



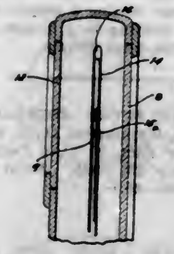
1. An ice cream cutter including a cutter adapted to cut and receive a layer of ice cream, a handle member, means for supporting said cutter to said handle, and means for cutting ice cream from the walls of said cutter, means for ejecting the ice cream after it is free from adherence to said cutter.

1,639,810. DEPTH-SETTING GEAR FOR SUBMARINE MINES. HARTLEY BLYTH PRATT, Barrow-in-Furness, England, assignor to Vickers Limited, London, England, a British Company. Filed Jan. 5, 1926, Serial No. 79,340, and in Great Britain Jan. 7, 1925. 8 Claims. (Cl. 102—3.)



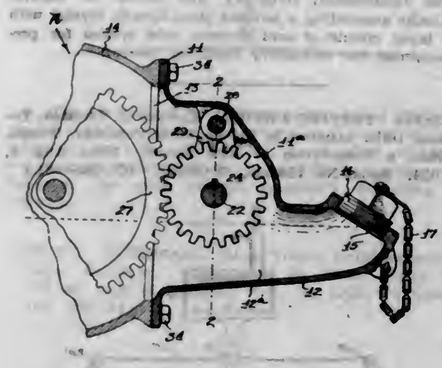
1. A submarine mine comprising a plummet, a drum, a plummet line wound on said drum and connected to said plummet, a pair of contiguous members adapted to be angularly displaced relatively to one another during the unwinding of the plummet line and means brought into operation after a predetermined degree of relative angular displacement of the said members for stopping the paying out of the plummet line.

1,639,811. WEIGHING SCALE. ORWELL C. REEVES, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 13, 1924. Serial No. 737,603. 5 Claims. (Cl. 116—129.)



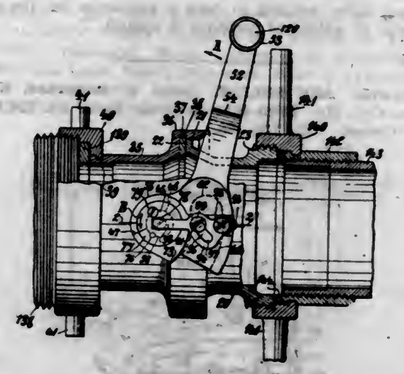
3. In a device of the class described, in combination, a relatively movable chart and indicating hand, a portion of said chart bearing value computations and lying back of a cooperating portion of said indicator hand, an offset portion of said hand having surfaces lying in the plane of the surfaces of the chart and adjacent one edge thereof, and a series of weight indicia adjacent one edge of said chart adapted to co-operate with indicia on the surfaces of offset portion of said indicating hand.

1,639,812. POWER TAKE-OFF DEVICE. HENRY J. RIACH, St. Paul, Minn., assignor to Grant Waldref, St. Paul, Minn. Filed Nov. 24, 1922. Serial No. 603,130. 1 Claim. (Cl. 74—7.)



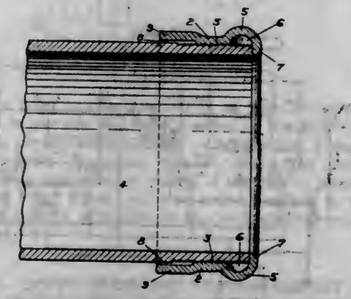
In combination with a transmission gear and a gear casing therefor having a hand opening in one side near the bottom thereof, a closure for said opening forming a housing, a take-off shaft journaled in said housing, a driven gear mounted on said shaft adapted to mesh with said transmission gear, said driven gear being arranged to one side of said transmission gear with the lowermost portion thereof positioned above the lowermost portion of said transmission gear, and a spout formed on said closure communicating with said housing, a filler neck formed on said spout, the bottom of said spout extending below said driven gear and inclining towards said hand opening for successively conducting lubricant deposited therein from one gear to the other, said neck being positioned below said take-off shaft.

1,639,813. HOSE COUPLING. RALPH SCHAWROW, Bayonne, N. J., assignor to National Standard Threadless Coupling Corporation, Rockaway Park, N. Y., a Corporation of New York. Filed June 16, 1925. Serial No. 37,450. 2 Claims. (Cl. 285—172.)



1. In a coupling the combination of a male member and a female member, a pair of journal lugs extending from one of said members, a pair of clamping lugs extending from the other member, a locking head supported on each of said journal lugs, each of said locking heads having a curved wall adapted to coact with one of said clamping lugs, to clamp or disengage the members of the coupling, a ratchet wheel fastened to one of the journal lugs in one of the locking heads, a locking latch slidably supported in the latter head adapted to lock with the teeth of the ratchet wheel, a spring in the latter head bearing against the locking latch to force it into engagement with said ratchet wheel, an operating handle for said latch with one end thereof pivoted to its locking head, said handle having a curved guide opening formed therein, and a guide screw extending from said locking latch through the guide opening in said handle.

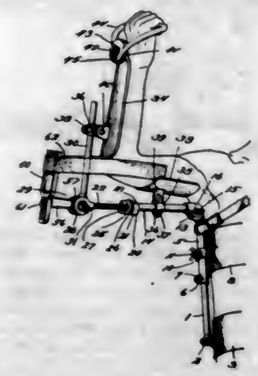
1,639,814. THREAD PROTECTOR. PETER J. SHRUM, Monaca Heights, and HAROLD A. HENIGEN, Rochester, Pa., assignors to Colona Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed July 15, 1922, Serial No. 575,167. Divided and this application filed June 29, 1923. Serial No. 648,493. 3 Claims. (Cl. 137—91.)



2. A pipe thread protector consisting of a metallic sleeve having an interiorly threaded intermediate cylindrical portion adapted to be screwed onto and protect the intermediate portion of the pipe threads to be protected, a skirt at one end of said threaded portion adapted to extend over threads to be protected and out of engagement therewith and having an inside diameter

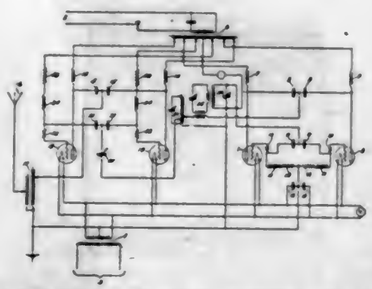
at its mouth which is materially greater than the outside diameter of the pipe whereby the skirt of the protector may be readily applied over the end of the pipe preliminary to screwing the protector onto the threads, and an outwardly flared terminal portion at the other end of the intermediate portion terminating in an inturned flange adapted to form a protection for the end of pipe to which the protector is applied.

1,639,815. ARM SPLINT. JOHN R. SIEBRANDT, Kansas City, Mo. Filed June 30, 1924. Serial No. 723,174. 8 Claims. (Cl. 128—88.)



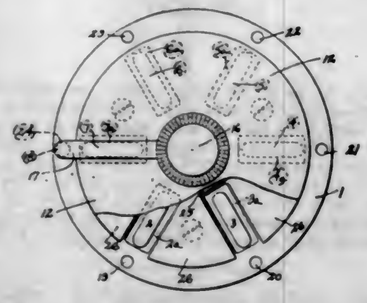
1. An arm splint comprising a main support for securement to the body of a patient, an upper arm support carried by the main support and adjustable to swing horizontally and vertically with respect to said main support, a tractor member longitudinally and rotatably adjustable around an axis coinciding with the axis of said upper arm support, a forearm support pivotally adjustable on the tractor member, shelves rotatively and longitudinally adjustable on the upper and forearm supports respectively, and a hand-grip.

1,639,816. RADIO SIGNALING CIRCUIT. ALBERT H. TAYLOR and LEO C. YOUNG, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed Jan. 7, 1925. Serial No. 1,056. 3 Claims. (Cl. 250—17.)



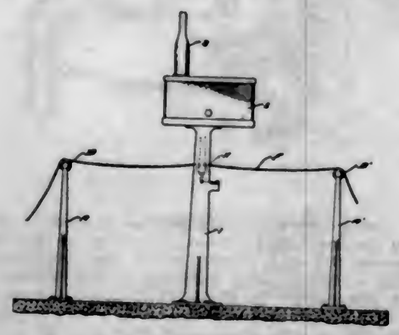
1. In a radio signaling system, thermionic tubes consisting of oscillating tubes and amplifier tubes connected to a radiating system, both groups of said tubes having plate, grid, and filament circuits, means for supplying alternating currents to all of said circuits, both groups of tubes associated with each other whereby oscillations generated in the oscillating tubes are amplified by and radiated through the amplifier tubes, and means in said circuits for keeping the radiated wave in a pure sinusoidal form, said last means consisting of an intermediate circuit between the grid circuit of said power amplifier and oscillator tubes and means for providing said grids of said power amplifier with alternating current voltages from the same alternating current source as the plate voltage, the said grid voltage bearing a proper proportion to the plate voltage and varying in a proper proportion with the variations in the plate voltage.

1,639,817. PIEZO-ELECTRIC CRYSTAL SYSTEM. ALBERT H. TAYLOR, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a Corporation of Delaware. Filed July 29, 1925. Serial No. 46,802. 12 Claims. (Cl. 250—20.)



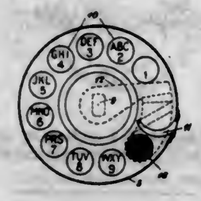
1. In an electron tube system the combination of an electron tube having grid, filament and plate electrodes, input and output circuits interconnecting said electrodes, a plurality of piezo electric crystals each having a different fundamental frequency, and means for electrostatically associating a selected piezo electric crystal with the input circuit of said electron tube system for predetermining the oscillatory condition thereof.

1,639,818. TESTING DEVICE. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Aug. 1, 1924. Serial No. 729,520. 5 Claims. (Cl. 265—61.)



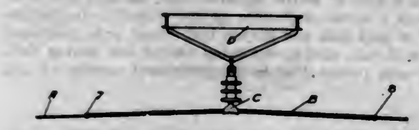
1. In a device of the class described, in combination, a pedestal, a housing mounted thereon, load-counter balancing and indicating mechanism within said housing, a frame suspended from said load-counterbalancing and indicating mechanism below said housing, and a roller supported by said frame and adapted to engage and support a portion of a strip of material to be tested.

1,639,819. CLEANING DEVICE FOR DIALS OF TELEPHONE INSTRUMENTS. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 7, 1925. Serial No. 48,834. 3 Claims. (Cl. 179—90.)



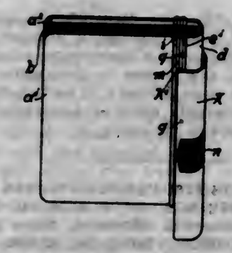
1. In a calling device having a number plate, a shaft, a finger wheel rotatably mounted thereon and movable concentrically with respect to the number plate, said finger wheel being provided with a plurality of finger holes, and means affixed to said shaft and rotatable with said finger wheel to form a wiping contact with the number plate upon the depression thereof through one of said finger holes.

1,639,820. METHOD OF AND APPARATUS FOR PROTECTING AERIAL CABLES. THEODORE VARNEY, Sewickley, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 16, 1924. Serial No. 737,990. 8 Claims. (Cl. 173—13.)



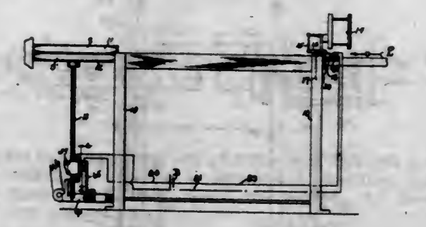
1. The method of protecting aerial cables from vibrations which consists in applying to a length of cable adjacent its point of support, a plurality of wires wrapped thereabout so as to materially increase the mass of the cable without materially increasing its rigidity.

1,639,821. NOTEBOOK. MAX VOGEL, Frankfort-on-the-Main, Germany. Filed Aug. 20, 1926, Serial No. 130,488, and in Germany Nov. 11, 1925. 4 Claims. (Cl. 129—37.)



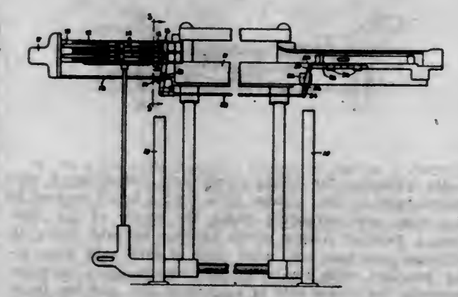
3. A note book comprising in combination with a cover, a C-shaped clamping spring slidable longitudinally of and embracing the cover and adapted to hold the leaves within the book, and longitudinally-extending rails guiding said clamping spring on said cover, said guide rails formed with longitudinal grooves and said clamp formed with rounded edges engaging in said grooves.

1,639,822. BOX-MOTION-CONTROLLED ELECTRO-MAGNETIC WEFT DETECTOR. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 30, 1924. Serial No. 758,904. 16 Claims. (Cl. 139—273.)



1. In a loom, shifting shuttle boxes, an electro-magnetic weft detector, and means controlled by the position of the shuttle boxes to render the magnetic attraction of said detector greater when said boxes are in one position than when they are in another position.

1,639,823. YARN-IMPINGING LAY-ACTUATED WEFT DETECTOR CONTROLLED BY BOX MOTION. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 30, 1924. Serial No. 758,905. 8 Claims. (Cl. 139—284.)

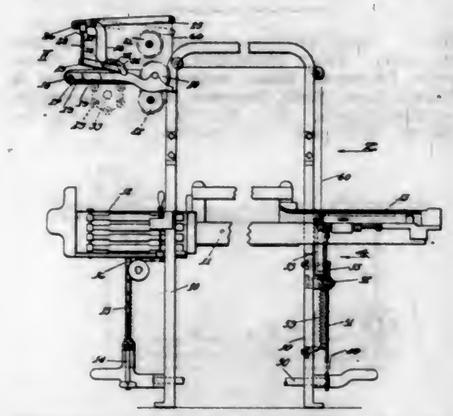


1. In a loom having a plurality of shuttle boxes each of which is movable to active position, a lay, shuttles for the boxes having a weft supply to be detected, a detector having a yarn impinging member and a lay actuated member, and means under control of the shuttle boxes and dependent upon which box is in active position to determine the time of actuation of the said member actuated by the lay.

1,639,824. WEFT DETECTOR CONTROLLED BY PATTERN MECHANISM. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 19, 1925. Serial No. 16,780. 6 Claims. (Cl. 139—284.)

1. In a weft detector for looms having a plurality of shifting shuttle boxes and shuttles carrying wefts of different sizes, pattern mechanism to determine which of

said shuttle boxes shall move to active position, a detector capable of assuming different adjusted positions, and



connections between the pattern mechanism and said detector to effect the change from one adjusted position to another prior to the movement of the boxes.

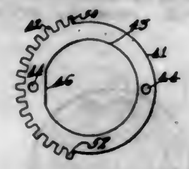
1,639,825. APPARATUS FOR OPERATING EXTENSION TABLES. THOMAS WALL, Tacoma, Wash., assignor to Gregory Furniture Mfg. Co., Tacoma, Wash., a Corporation of Washington. Filed Nov. 23, 1925. Serial No. 70,838. 1 Claim. (Cl. 45—0.)



An apparatus for lifting a table top, comprising a supported table frame; a loose table top; a board secured to the frame and extending under the center of the table top; a pair of lifting levers pivoted to said board in reversed positions, the outer ends of each said lever being provided with two sparated upward-acting branches engaging the under side of said table top, and the inner ends extending adjacent each other; a forcing lever pivoted to the under side of said board and simultaneously engaging the inner ends of both said lifting levers to raise all four of said branches, whereby said table top is raised in level position; and operating means engaging and actuating said forcing lever.

1,639,826. DOBBY CYLINDER. WILLIAM M. WATTIE, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 27, 1926. Serial No. 98,016. 8 Claims. (Cl. 139—77.)

1. In a loom pattern mechanism having a vibrator lever and a vibrator gear therefor, a cylinder to actuate the vibrator gear, said cylinder having a reversible element thereon a portion of which is provided with teeth to engage the gear and a portion of which is blank, and positive driving connections between the element and the cylinder, the teeth of the element and the driving connection thereof between the same and the cylinder being symmetrical with respect to a diameter of the element to the end that said element may be reversed on the cylinder and have the toothed section in the same relative angular position with respect to said cylinder and vibrator gear.

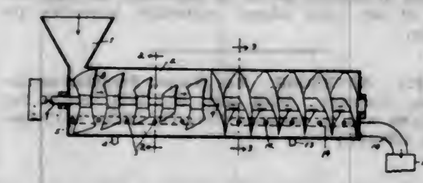


1,639,827. RESILIENT WHEEL. HERBERT N. WAYNE, Santa Monica, Calif. Filed Feb. 26, 1924. Serial No. 695,151. 4 Claims. (Cl. 152—29.)



1. In a resilient wheel, a rigid hub member, a disk comprising a wall of elastic material carrying said hub member, and a series of flexible spokes embedded in the material of said disk and having their inner ends associated with said hub, said spokes being curved and having their outer ends terminating in the peripheral portion of said disk.

1,639,828. PROCESS FOR TREATING CHEESE. JOHN H. WHEELER, Plymouth, and HENRY MURRAY SCOTT, Waldo, Wis., assignors to Brookshire Cheese Company, Sheboygan, Wis. Filed Sept. 24, 1923. Serial No. 664,382. 9 Claims. (Cl. 99—11.)



7. The process of treating cheese which consists in passing a stream of cheese through a chamber, admitting steam to said chamber at a temperature adequate to reduce particles of said cheese to substantially a liquid state immediately upon exposure of such particles to the steam, and momentarily exposing substantially all particles of said cheese to the steam.

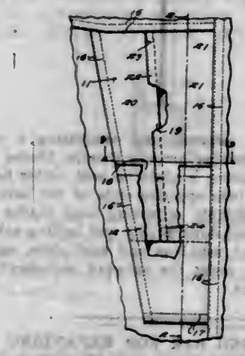
1,639,829. MEANS FOR PREVENTING SAG AND PROTECTING BEARINGS OF PLATFORM WEIGHING SCALES. MARLON H. WINSLOW, Terre Haute, Ind. Filed Jan. 19, 1926. Serial No. 82,206. 4 Claims. (Cl. 265—72.)

1. The combination with the girders of a platform weighing scale, of bottom bearing blocks under said girders, top bearing blocks above the bottom bearing blocks and in position to support the girders, and a wedge block adapted to be driven in between each set of top and bottom bearing blocks and released therefrom,



each top bearing block having a longitudinal chamber in its underside for receiving, guiding and holding the wedge block in place on the bottom bearing block.

1,639,830. POCKET. CHARLES R. WOOD, Detroit, Mich. Filed June 15, 1926. Serial No. 116,194. 3 Claims. (Cl. 2—247.)



1. A safety pocket comprising an outer wall formed in upper and lower sections and an inner wall, the upper section being formed of two pieces of material and being stitched about its side and top edges to the inner wall, adjacent edges of the pieces of material being secured to one another adjacent the top and bottom of the pieces and being left unsecured intermediate these points to provide a pocket opening, the lower section at its upper end overlapping the upper section, said bottom section being secured to the inner wall at its side and bottom edges only.

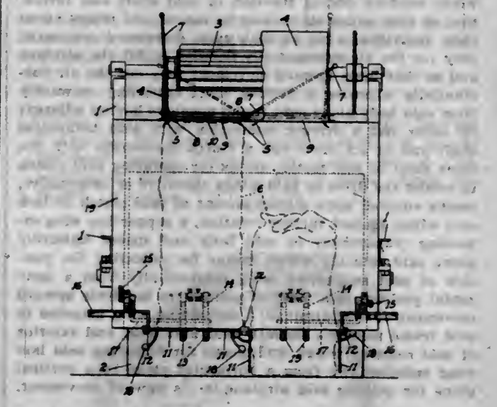
1,639,831. WRENCH. JOHN ZILLIOX, Orchard Park, N. Y. Filed Mar. 1, 1926. Serial No. 91,323. 1 Claim. (Cl. 81—164.)

A wrench comprising a front jaw, a shank projecting rearwardly from the front jaw and provided with an external screw thread, a rear jaw provided with an opening which receives said shank and a rearwardly projecting tubular neck surrounding said opening and having an external screw thread, a tubular handle having an internal screw thread which receives the external thread of said shank and also provided with an external annular groove, a split spring ring arranged in said groove and forming a rearwardly facing shoulder, a coupling sleeve the rear part of which surrounds said handle and the central part of which is provided with an internal forwardly facing shoulder engaging the rear side of said ring and the front part of which has an internal screw thread engaging the external thread of said neck, the connection of said sleeve with said neck being constructed to permit of drawing said handle forwardly so that the front end of the latter is clamped against the rear end of said neck and the handle is thereby held against turning, and means for permitting said sleeve to make only a partial turn



on said neck comprising a notch arranged at the front end of said sleeve, and a stop projecting laterally from said neck into said notch.

1,639,832. SACKING APPARATUS FOR POTATO HARVESTERS. ROSCOE C. ZUCKERMAN, Stockton, Calif. Filed May 3, 1926. Serial No. 106,581. 10 Claims. (Cl. 226—61.)

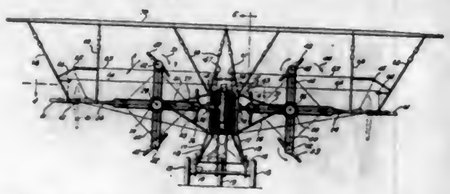


4. In combination with a harvester having a conveyor on which the produce as harvested is carried, a hopper into which the conveyor discharges, and platform means mounted in connection with the harvester disposed under the hopper and arranged to support a sack in vertical alinement with the hopper, said platform being displaceable downwardly to allow a filled sack to drop to the ground in an upright position.

7. In a potato harvester having a conveyor onto which the potatoes as harvested are carried; a fixed hopper at the rear end of the conveyor into which the latter discharges, such hopper having a discharge opening, a plate extending longitudinally in the hopper and arranged to be partially supported by one side wall of the hopper, and means for moving the lower end of the plate transversely across the discharge opening.

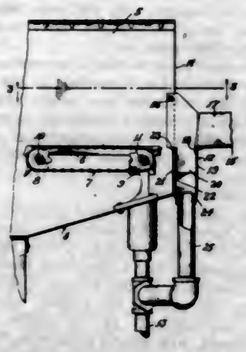
9. In a potato harvester having a conveyor onto which the potatoes as harvested are carried; a fixed hopper at the rear end of the conveyor into which the latter discharges, such hopper having a discharge opening, a plate extending longitudinally in the hopper and arranged to rest against one side wall of the hopper, another similar plate disposed longitudinally in the hopper toward the opposite side thereof, and means connecting the plates in a manner to enable the lower end of one plate to be drawn transversely across the adjacent portion of the opening, while the lower end of the other plate is moved toward the opposite side of the hopper, and vice versa.

1,639,833. AVIATION. CHARLES L. ANDERSON, Reno, Nev. Filed June 21, 1924. Serial No. 721,402. 10 Claims. (Cl. 244—25.)



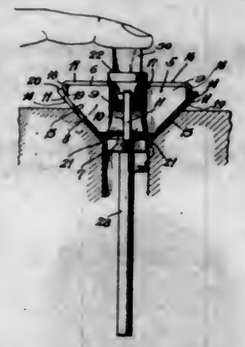
10. In an aerial machine, in combination, an airplane body, a motor mounted adjacent the forward end thereof, a propeller adapted to be driven from said motor to propel said airplane in a forward direction, lateral frame members extending outwardly from said body adjacent said motor, a horizontal shaft rotatably mounted in said frame members, a plurality of wings spaced about said shaft and connected therewith to revolve therewith about the axis of said shaft, said wings being rotatably mounted about individual axes substantially parallel to the axis of said shaft, driving means connecting said shaft and said wings adapted during rotation of said shaft and revolution of said wings thereabout to rotate said wings about their individual axes so that upon downward movement they cut the air substantially flatwise to lift the airplane and so that upon upward movement they cut the air substantially edgewise, a driving shaft extending outwardly from said body along said frame members having adjacent its outer end a driving connection with said transverse shaft and at its inner end a clutch connection with the drive shaft of said motor, means for operating said clutch to render the drive of said wings operative or inoperative, means adapted upon disengagement of said clutch to lock said wings against further rotation, a supporting wing extending transversely of said body and spaced upwardly above said rotating wings, means for adjusting the position of said supporting wing substantially from a horizontal position to a vertical position to facilitate upward movement of said airplane, a supporting wing mounted in said frame members beneath said first wing and exterior of said rotating wings, and means for adjusting said last wing substantially from a horizontal plane to a vertical plane for guiding said airplane in its upward movement.

1,639,834. DISHWASHING MACHINE. GEORGE P. ANASTAS, Oak Park, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a Corporation of Illinois. Filed May 2, 1925. Serial No. 27,421. 5 Claims. (Cl. 141—9.)



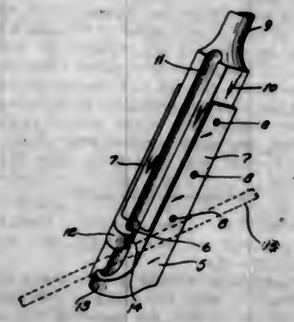
1. A washing machine comprising a tank for wash water, means extending over said tank for supporting the articles to be washed, means extending across the front wall of the tank adjacent to the article-receiving opening thereof and arranged to receive loose refuse matter for preventing such refuse matter from passing into the water in the tank, and an overflow pipe communicating with the tank at one side thereof, said last named means communicating with said overflow pipe.

1,639,835. VALVE-SEAT-REFACING TOOL. LAWRENCE O. BEARD, Lancaster, Pa. Filed Oct. 9, 1926. Serial No. 140,614. 4 Claims. (Cl. 90—12.5.)



1. A valve seat refacing tool comprising a centrally bored cutter head having grooves therein, blades adapted to seat in said grooves, a plate on said cutter head, and members screwing into opposite ends of the bore in said cutter head for slidably adjusting said blades in said grooves upwardly and downwardly and locking said blades between one of said members and said plate, said plate adapted to flexibly resist the outward movement of said blades in said slots.

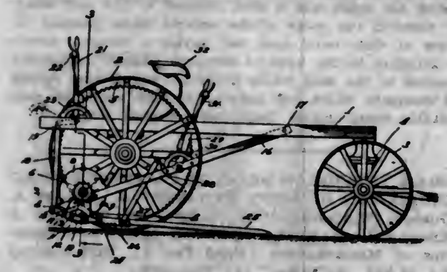
1,639,836. TAMPING BAR FOR EXPANDING EARTH ANCHORS. JASPER BLACKBURN, Webster Groves, Mo. Filed Nov. 22, 1926. Serial No. 149,858. 6 Claims. (Cl. 189—92.)



1. A tamping bar comprising a head, a handle secured to said head, hooks projecting from one face of said head and longitudinally spaced apart whereby said head can be loosely interlocked with a fixed member against accidental disengagement therefrom when said head is moved up and down.

1,639,837. CORNSTALK SHREDDER. THOMAS E. BURNES, Carthage, Ill. Filed Jan. 12, 1925. Serial No. 1,771. 8 Claims. (Cl. 56—129.)

1. In a corn shredder, the combination with a frame mounted on ground wheels, having gears mounted thereon, of raking teeth manually adjustable from the frame for collecting the stalks from the ground, a gear driven shredding assembly having gears meshing with internal gears on the ground wheels to drive the shredder and



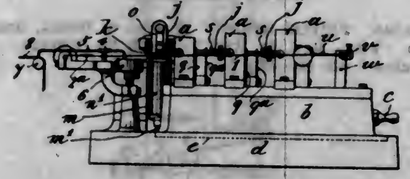
manually operated means for raising the assembly and removing the assembly from driving relation with the ground wheels.

1,639,838. BRAKE SHOE. JOHN R. CAUTLEY, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 9, 1927. Serial No. 173,813. 11 Claims. (Cl. 188—250.)



5. A brake shoe comprising, in combination, an outer arcuate band, and stiffening means for the band including two generally-parallel spaced-apart web portions each of which is integral with a continuous flange underlying and secured to said band.

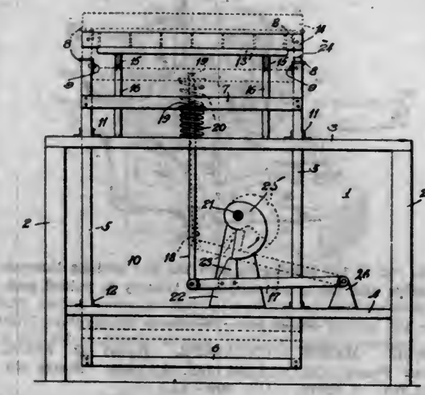
1,639,839. APPARATUS FOR AMPLIFYING SMALL MOVEMENTS. FREDERICK GEORGE CREED, Croydon, and AXEL ORLING, Streatham, London, England. Filed Jan. 29, 1926, Serial No. 84,721, and in Great Britain Feb. 5, 1925. 18 Claims. (Cl. 178—91.)



1. For amplifying small movements, apparatus comprising a fluid pressure receiver having an inlet and an outlet for fluid under pressure, a movable device, subject to small forces, arranged opposite to and at all times out of contact with the outlet of said receiver and adapted by its movement to control the exit of fluid therefrom and pressure responsive means subject to variations of fluid pressure within said receiver and means responsive to movement of said pressure responsive means.

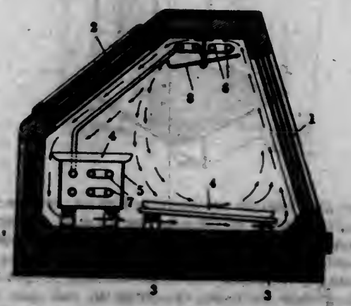
1,639,840. INERTIA STRIPPER. ROY PAUL MILLER DAVIS, Mount Union, Pa. Filed Aug. 14, 1926. Serial No. 129,179. 7 Claims. (Cl. 25—1.)

1. In a device for stripping molds from molded brick, a frame work, a support mounted on said frame work for receiving a pallet with brick containing mold thereon, a stripper frame reciprocably mounted in said frame work provided with lifting tracks normally beneath and out of contact with said mold, and means for projecting



said stripper frame upwardly with great rapidity thereby causing said tracks to strike said mold and lift the same with great rapidity away from said brick.

1,639,841. REFRIGERATOR DISPLAY CASE. EDWARD F. DEACON, St. Louis, Mo., assignor to Gus V. Brecht Butchers' Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 6, 1926. Serial No. 86,378. 8 Claims. (Cl. 62—37.)

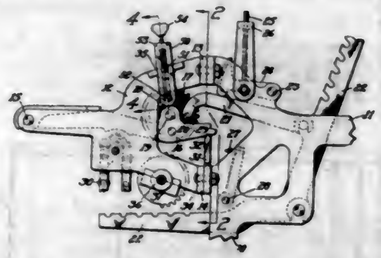


1. In a refrigerated display case, the combination of means forming a refrigerating chamber having a transparent front wall, means for supporting in the lower part of the chamber the products to be refrigerated, refrigerating coils located in the upper part of the chamber, and a deflector plate beneath the coils and sloping laterally toward the rear of the chamber, said plate being dimensioned to provide air passages between it and the rear and front walls of the chamber.

1,639,842. TOOL FOR KNOWLES LOOMS. THOMAS H. DONNELLY, Dover, N. H., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1926. Serial No. 105,598. 4 Claims. (Cl. 139—77.)

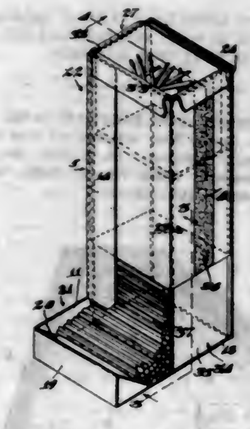
1. A tool for use with a loom pattern mechanism having bearings in the upper portion thereof for a cylinder, a plurality of vibrator levers and vibrator gears therefor each provided with an arcuate slot and having also a comb for spacing the vibrator gears, said tool com-

prising a pair of spaced rods one of which is received in the bearing and the other of which passes through the arcuate slots in the vibrator gears, and means supported
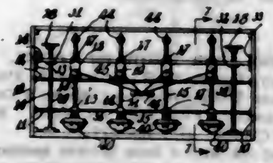


by the rod in the bearing to hold the bar passing through the gears and the gears supported thereby in raised position.

1,639,843. MATCH CONTAINER. HARRY D. FINCH, Long Beach, Calif. Filed Jan. 9, 1923. Serial No. 611,593. 1 Claim. (Cl. 206—31.)



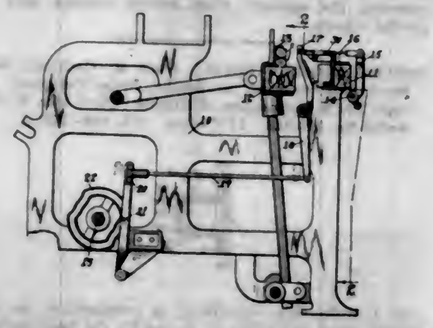
As a new article of manufacture, a receptacle for matches, comprising a casing having an open top, an open-seam front, a forwardly projecting, open-topped, pocket at its lower end, and a stop projecting into the casing above said pocket, a receptacle, for burnt matches, shaped to conform with and for bodily insertion in the open top of the casing, means carried by the receptacle for sectionally stiffening the casing at its open-seam front, and to limit its insertion in said casing.

1,639,844. SPINNING DEVICE. STANKO GJANKOVICH, New York, N. Y. Filed Mar. 4, 1927. Serial No. 172,745. 6 Claims. (Cl. 46—32.)



1. In a device of the character described, a suitable frame structure having horisontal supporting members mounted therein, and removably affixed to the said supporting members, rotatable sound producing units, each of the said units comprising a base element, a vertical spindle, a winding element and a casing enclosing the same, and a cord secured to the said winding element, the cords of the several units grouped together at their outer ends and having a common means for gripping in the hand, a pressure element adjustably mounted in the said frame structure and having spring end members which are adapted to bear upon the said rotatable units and to limit their vertical play.

1,639,845. DEVICE TO DELAY TRANSMISSION OF AN INDICATION OF WEFT EXHAUSTION. ALBERT A. GOADON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 11, 1925. Serial No. 74,844. 8 Claims. (Cl. 139—229.)



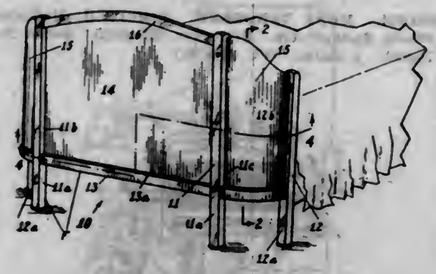
1. In a weft replenishing pick and pick loom having a weft detecting mechanism and having means by which substantially exhausted shuttles may be presented to said detecting mechanism on successive picks of the loom, the combination of means to transmit an indication of weft exhaustion from the first substantially exhausted shuttle, thus presented to said detecting mechanism, and means to prevent transmission of a second indication upon the next succeeding pick of the loom.

1,639,846. TRIPOD MOUNT. SAMUEL G. GREEN, Gray, Ga. Filed Mar. 31, 1927. Serial No. 180,020. 4 Claims. (Cl. 89—40.)



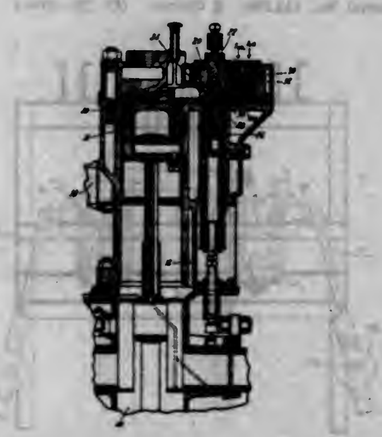
4. In a mount, a central head, a post rigid therewith, a plurality of legs attached to the head, a brace connecting each leg and the post, and a second brace connecting each leg and post and perpendicular to the leg.

1,639,847. METALLIC BEDSTEAD. WOLF GREENMAN, Brooklyn, N. Y. Filed Dec. 30, 1925. Serial No. 78,293. 5 Claims. (Cl. 5—181.)



1. In a bedstead, a framework comprising pairs of spaced tubular middle and end stanchions having the lower end portions thereof adapted to serve as legs for the bed, and a single tubular stretcher member extending transversely to interconnect said stanchions above said legs, said member passing through the middle stanchions and anchored thereto and to the end stanchions forming a substantially braced structure.

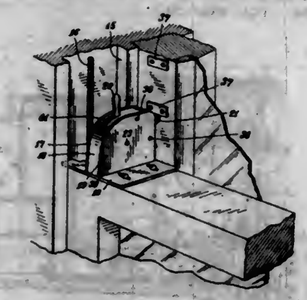
1,639,848. ENGINE. JOHN D. HAY, South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 28, 1925. Serial No. 65,293. 2 Claims. (Cl. 103—83.)



1. A fitting to be inserted in the cylinder head of an engine, and formed with a vertical cylinder for a fuel-feeding plunger, a horisontal passage opening into the side of said cylinder, an air passage opening into the bottom of said horisontal passage and thence horisontally and thence upwardly to the top of the fitting, and a fuel passage leading from the top of the fitting and opening into the air passage just below said horisontal passage.

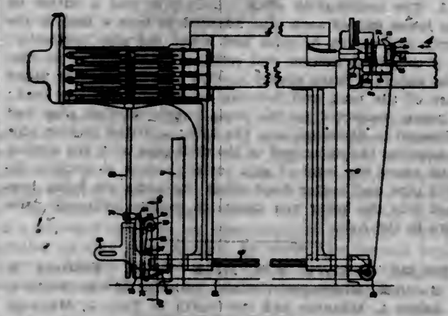
1,639,849. WINDOW LATCH AND DRAFT PLATE. GUSTAV HELGE, Brooklyn, N. Y., assignor of one-half to George W. Nuneman, Brooklyn, N. Y. Filed Oct. 5, 1926. Serial No. 139,628. 4 Claims. (Cl. 292—40.)

1. A combined window latch and draft-plate for double-hung windows comprising an erect, narrow casing with a beveled roof, said casing embracing a control-lever engaged by contact members, and actuating means, the



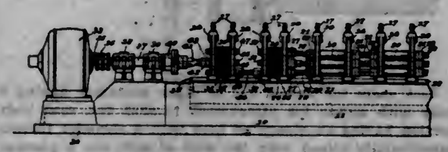
said casing being integrally mounted on a flat, substantially rectangular draft-plate, the latter having the edge of one side indented, as and for the purpose described.

1,639,850. NEEDLE FEELER FOR LOOMS. LOUIS F. HOFFMAN and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 2, 1925. Serial No. 28. 12 Claims. (Cl. 139—276.)



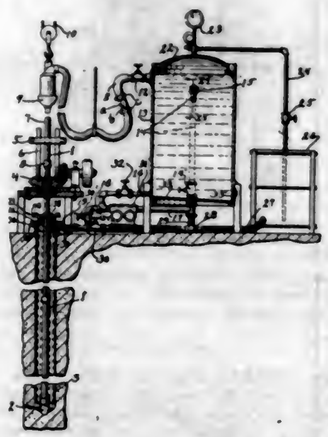
1. In a loom having a plurality of shuttles, shifting shuttle boxes to move any one of the shuttles to active position, a detector to cooperate with the shuttle which is active, and means coordinated with the shuttle boxes and dependent upon which shuttle is active to vary the pressure of the detector against the surface to be detected.

1,639,851. VARIABLE-SPEED ROLLING MILL. DANIEL A. KEATING, Bridgeport, Conn., assignor to The American Tube and Stamping Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 27, 1925. Serial No. 71,820. 5 Claims. (Cl. 80—54.)



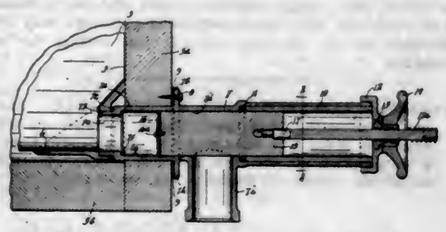
5. In a driving mechanism for a rolling mill, gearing for driving the rolls of the mill, a plurality of different diameter meshing gears, a motor drive connected to said gears, and means for connecting any one of said gears to said roll driving gearing.

1,639,852. APPARATUS FOR SINKING AND CLEANING OIL AND WATER WELLS. MILFORD A. KING, Los Angeles, Calif. Filed Jan. 24, 1927. Serial No. 163,099. 5 Claims. (Cl. 255—24.)



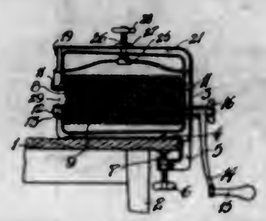
1. The combination with a drill pipe and a cutter on the lower end of such pipe adapted to bore a hole in the earth and means to raise and lower the pipe vertically; of a combined suction and settling tank adapted to contain water; a pump supply suction pipe open to the upper part of the tank and forming an outlet from the tank; a pump connected to the pump supply suction pipe and arranged to discharge into the hole; a lifting suction pipe connecting the upper end of the drill pipe with the suction tank above the level of said outlet; means to revolve the drill pipe and cutter head while the same are being lowered into the hole; and means to confine hydraulic pressure in the hole.

1,639,853. VALVE FOR MILK VATS. DEDRICK A. MAANUM, Minneapolis, Minn., assignor of one-fourth to Anton A. Maanum and one-fourth to Thor A. Maanum, Minneapolis, Minn. Filed July 23, 1926. Serial No. 124,378. 6 Claims. (Cl. 137—21.)



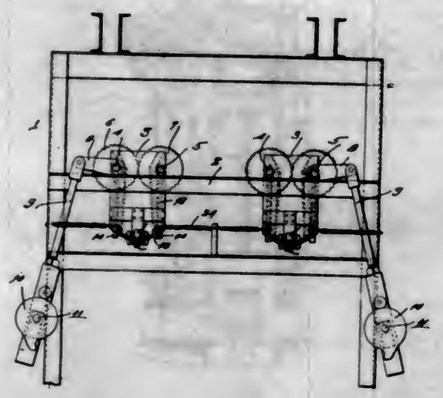
1. A valve for a milk vat or other container having a body with means for attachment to said vat, said body portion having an elongated bore with a shoulder therein substantially alined with the wall of said vat, a passage extending from said bore into said vat, said body having an outlet opening at one side of said bore, a plunger movable in said bore over said opening and against said shoulder, a stem secured to said plunger having a smooth portion and threaded at the outer end thereof, a revoluble nut at the outer end of said body through which said stem projects, and means for turning said nut to move said threaded portion therethrough whereby said stem may then be engaged manually and said plunger manually moved.

1,639,854. MEAT TENDERER. SAMUEL H. MCBRIDE, Siloam Springs, Ark. Filed Nov. 23, 1925. Serial No. 70,899. 1 Claim. (Cl. 17—26.)



The combination with a rectangular frame having an open end, of parallel shafts and studded rolls on said shafts, the lower one of said shafts having stationary bearings and a crank arm, slidable bearing blocks for the ends of the upper shaft and guide slots in the frame for said blocks, a spring engaging the upper faces of said guide blocks, and a screw bar threaded in the frame and secured to the spring for varying the tension of said spring.

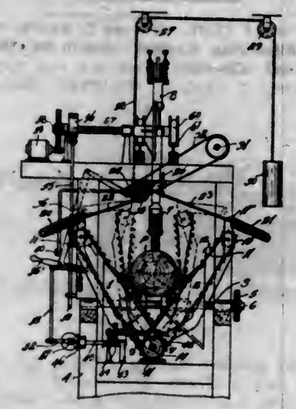
1,639,855. HOPPER LATCH. WILLIAM H. MCCLELLAND, Huntingdon, Pa., assignor to Davis Brick Machinery Company, Mount Union, Pa. Filed June 2, 1926. Serial No. 113,280. 2 Claims. (Cl. 25—103.)



1. A hopper of the class described having a bottom composed of two sections adapted to move one away from the other, means for moving said sections to a closing position, a magnet supported by said hopper and adapted to be engaged by armatures carried by each of said sections, and means controlled by the first said means for energizing said magnet to hold the sections in a closed position.

1,639,856. TURNING DEVICE. CHARLES S. NELSON, Sandpoint, Idaho, assignor to Malvern L. Bruce, Sandpoint, Idaho. Filed Sept. 14, 1926. Serial No. 135,328. 10 Claims. (Cl. 144—208.)

1. The combination with a pole-supporting bed, of a pair of pivoted frames arranged on opposite sides of the bed and adapted to swing toward and from a vertical plane in which the axis of a pole lies, oppositely moving endless chains in said frames adapted to frictionally engage the surface of the pole, means for swinging said frames to operative position, and means for swinging said frames to inoperative position.



1,639,857. BOTTLE COOLER. WILLIAM PLANSKI, Kellogg, Idaho. Filed June 28, 1926. Serial No. 119,117. 1 Claim. (Cl. 257—178.)



A bottle cooler comprising a body of truncated cone shape and having a concavo-convex top forming a receiving reservoir and adapted to be seated in the recessed top of a bottle, said body adapted to surround a portion of the bottle, an annular turned up flange forming a trough at the lower edge of the body having perforations therein for the purpose described.

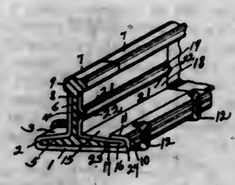
1,639,858. PLUG. EARL F. POTTER, Glencoe, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1924. Serial No. 719,465. 8 Claims. (Cl. 179—91.)

6. The combination of a two conductor spring jack and a three conductor plug, a pair of instruments connected to said plug, said plug and jack cooperating to permit either of said instruments to be operatively associated with said two conductor jack independent of the other, two of the contacts of said plug having grooves therein



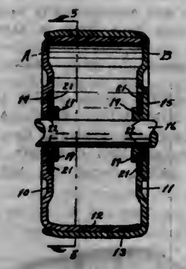
for cooperation with one of the springs of said spring jack to maintain said plug in either of its operative positions.

1,639,859. RAIL JOINT. EDWARD W. PRICE, Warren, Ohio. Filed May 7, 1924, Serial No. 711,644. Renewed July 15, 1927. 1 Claim. (Cl. 238—198.)



In a device of the class described, a pressed steel metallic yoke, an inwardly and upwardly turned portion of said yoke, inwardly pressed lugs on said upwardly extending portion, a second pressed steel portion slightly wedge shaped functioning within said yoke and a portion of the same functioning between the outer lower flange of a railroad rail and an upwardly and inwardly turned portion of said yoke member, an outwardly pressed bond housing formed in this upwardly extending portion, substantially as described for the purpose set forth.

1,639,860. CASTER WHEEL. EDWARD SCHULTZ, Chicago, Ill., assignor to James B. Ladd, Des Moines, Iowa. Filed June 21, 1926. Serial No. 117,373. 2 Claims. (Cl. 16—45.

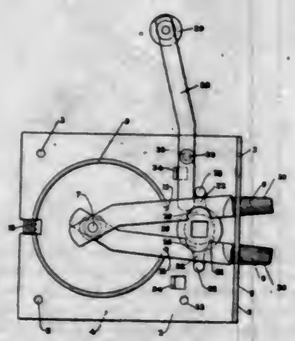


1. A wheel comprising side walls and a tread portion, said side walls being formed with central bosses, lugs struck laterally at the center of each boss to form an axle aperture, a washer mounted in each of said bosses concentrically of said aperture, said lugs being upset against the face of said washer.

1,639,861. PROCESS OF MAKING A RUBBER COMPOSITION FOR LINING TUBES AND USING THE SAME. JOHN SCHWAB, jr., Winnipeg, Manitoba, Canada. Filed June 24, 1925. Serial No. 39,323. 5 Claims. (Cl. 134—17.5.)

5. The process of making a rubber composition for lining tubes which consists in providing a first mixture consisting of twelve parts of melted rubber, six parts of vulcanizing cement and one part of honey, then providing a second mixture of one part of vulcanizing cement and one part of sulphur, then mixing together equal parts of the aforesaid mixtures to provide a third mixture, then heating the third mixture a period of time at a temperature above boiling point and finally adding a quantity of vulcanizing cement to the third mixture after the temperature has dropped below boiling point, the quantity of vulcanizing cement laterally added being approximately equal to one third of the whole mass.

1,639,862. LATCH. CARL S. SHILLING and DUFFEY B. LOUZON, Chicago, Ill. Filed Jan. 15, 1923. Serial No. 612,616. 5 Claims. (Cl. 292—49.)



1. A latch of the class described having, in combination, a casing, a pair of pivotally supported opposed latch bars, a spring yieldingly holding said bars a predetermined distance apart, a cam operable to force said bars together, said cam comprising a plate pivotally mounted in said casing with an axis transverse to the plane of said bars and having a pair of arms oppositely extending from said plate with a lateral projection formed thereon adapted to engage the outer edge of the latch bars, a shaft on which the cam is mounted, a handle for rotating said shaft, a lever mounted on the casing so as to rotate the cam independently of said shaft, and a keeper adapted to receive and automatically lock said bars when the door with which said latch is associated is moved to closed position.

1,639,863. ARTIFICIAL BAIT OR LURE AND METHOD OF FINISHING THE SAME. CLYDE C. SINCLAIR and FLOYD A. PHELPS, Paw Paw, Mich., assignors to Moonlight Bait Company, Paw Paw, Mich. Filed July 16, 1926. Serial No. 122,871. 4 Claims. (Cl. 41—36.)



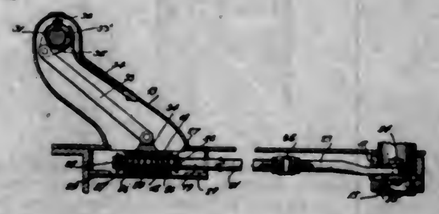
2. The method of finishing artificial baits or lures, consisting of applying a background coating, applying shellac and sprinkling thereon flake-like particles of light reflecting material prior to the setting of the shellac, and finishing with a transparent water resisting coating.

1,639,864. GOLF CLUB. WALTER L. SMITH, New York, N. Y. Filed July 8, 1926. Serial No. 121,090. 4 Claims. (Cl. 273—80.)



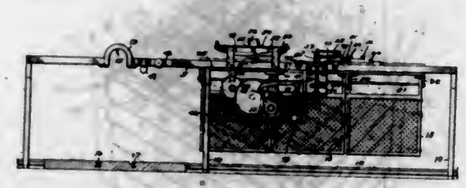
1. A golf putter, including a head having a striking face and a shaft secured to said head, said shaft presenting a circular portion adjacent its lower end and a blade-shaped rectangular portion adjacent its upper end, such latter portion having certain of its faces disposed parallel to the plane of the striking face of the head, the thickness of such portion being reduced to a substantially minimum amount consistent with the maintenance of rigidity of said shaft, and the width of the portion being such as to provide an adequate bearing surface for the fingers.

1,639,865. DIRIGIBLE HEADLIGHT. WILLIS M. SWEET, Niles, Mich. Filed Dec. 7, 1926. Serial No. 153,160. 2 Claims. (Cl. 240—62.)



1. In combination, a pivoted steering arm, a crosshead mounted for reciprocation, stops limiting the movement of said crosshead, a connecting rod having one end connected to the steering arm and slidable through said crosshead, said arm being arranged to move between limits greater than necessary to move the crosshead into engagement with its stops, spring means connecting the crosshead and rod arranged to hold the crosshead normally central between points on the rod and to permit it to move against the influence of said means to each of said points, a spot light, a shaft carrying the spot light and journalled to pivotally support said light, a rock arm on said shaft, an arm on said crosshead, a link connecting said rock arm and the last mentioned arm, and yieldable pawl means normally holding the spot light in central position between the limits of its movement.

1,639,866. GATE FOR RAILROAD CROSSINGS. VINCENT SZUCH and JOE SZUCH, Ravenna, Ohio. Filed Dec. 15, 1926. Serial No. 154,941. 7 Claims. (Cl. 39—7.)



1. A protecting gate for railway crossings comprising a support, a gate movable with respect to said support, means for bodily moving the support and gate to protecting position with respect to a crossing and means for mounting the gate with respect to the support in such manner as to permit it to yield laterally outward but to resist inward movement.

5. In a crossing gate structure of the character described, the combination with a longitudinally movable, gate-carrying frame and a motor for moving the same, of a pole changing mechanism for the motor comprising a spring actuated part, lugs upon the frame for engaging said part and moving it partly to pole changing position, a detent for preventing movement of said part completely to pole changing position and a member upon the frame adapted to engage said detent when the frame reaches a predetermined point in its travel to release the detent and permit the pole changing mechanism to move the pole changing position.

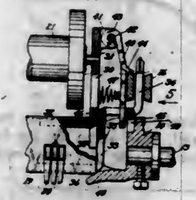
7. A protecting device for railroad crossings, comprising an elevated trackway and frame mounted to travel longitudinally thereof in substantial parallelism with the railroad track, depending gates carried by said frame lying upon opposite sides of the railroad track, said gates being so mounted with respect to the frame as to permit them to yield laterally outward but to resist movement inwardly, a motor and connections between the motor and the frame whereby the frame is caused to travel upon the trackway when the motor is energized.

1,639,867. SECTIONAL CONDUIT. DAVID D. TRACY, Jackson, Mich. Filed Nov. 18, 1925. Serial No. 69,887. 5 Claims. (Cl. 72—53.)



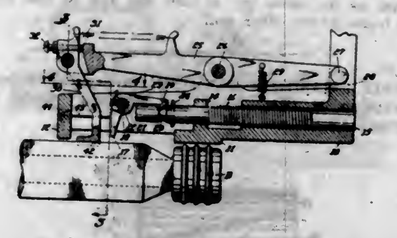
5. A conduit section having a flat face at one end and an external top joint channel and an internal bottom joint channel at the other end, coupling hooks projecting into said joint channel with their bills disposed vertically and flush with the end of a section, and eyes projecting from the flat end of the section adapted to be engaged with the bills of a coacting section.

1,639,868. TUBE FRAME FOR AXMINSTER LOOMS. KENNETH J. UNWIN and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1926. Serial No. 146,938. 10 Claims. (Cl. 139—10.)



1. In an Axminster loom, a transporting chain, a tube frame comprising a longitudinal bar having yarn tubes secured thereto, a spool mounted on the tube frame and having the axis thereof spaced from the axis of the bar, and means for detachably connecting the tube frame to the chain, said means and chain having contact with each other at a point between the axis of the bar and the axis of the spool, whereby a part of the weight to be supported by said means lies on each side of the point where the same engages the chain.

1,639,869. LATERALLY-MOVABLE DETECTOR IN LOOM TRANSFERRERS. KENNETH J. UNWIN, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1926. Serial No. 157,077. 4 Claims. (Cl. 139—271.)

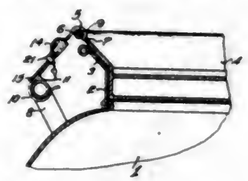


1. In a weft detecting mechanism for a loom having a supply of weft movable back and forth therein and a transferrer arm movable toward the supply of weft in a direction transverse to the movement of the latter, a detector having a loose pivotal connection with respect to the transferrer arm, and yielding means to hold said detector normally in a given transverse position with respect to the transferrer, said detector being movable transverse of the path of the transferrer arm in a direction substantially parallel to the path of the weft, and against the action of said resilient means.

1,639,870. CLOSURE FASTENER. MARTIN J. VALSVIG, Spokane, Wash., assignor of one-half to Joseph Lee, Spokane, Wash. Filed Oct. 30, 1926. Serial No. 145,205. 1 Claim. (Cl. 292—257.)

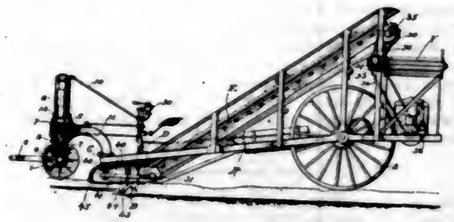
The combination with a slotted slide plate having an end hook, and a rack plate having a lug for coaction with the slotted slide plate, and provided with an end hook,

of a pair of side plates on the slide plate, a spring pressed pawl pivoted in the side plates for coacting with the



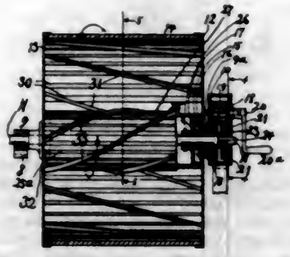
rack plate, a latch pivoted in the side plate for engagement with the pawl, said latch at its free end having means for encircling the side plate and rack plate.

1,639,871. DITCH-DIGGING MACHINE. JACOB S. WALCH, Oakland, Calif. Filed July 30, 1925. Serial No. 47,051. 8 Claims. (Cl. 37—102.)



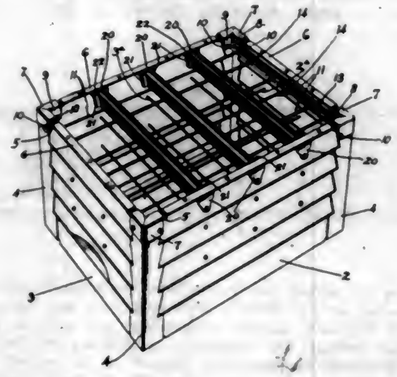
1. In a machine of the character described, a pair of side frames, a front and a rear cross frame connecting the forward ends of the side frames, a bottom cross-bar, a plurality of digging teeth secured thereto, and a link secured to the cross bar at one end and to the front cross frame at the other end.

1,639,872. WASHING MACHINE. ALBERT G. WANEK, Wahpeton, N. Dak. Filed July 30, 1926. Serial No. 125,937. 2 Claims. (Cl. 68—18.)



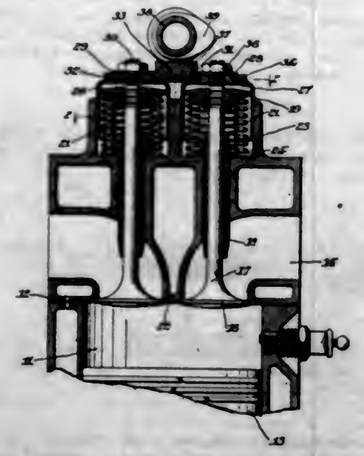
1. In a clothes washing machine a frame, a horizontal shaft journaled in the frame, a comparatively small washing cylinder fixed on the shaft, a larger cylinder spaced concentrically about the small cylinder and having its heads rotatable on the shaft, a gear housing on the frame and about one end of the shaft, a set of meshing gears driven by suitable means and arranged to rotate the cylinders in opposite directions, each cylinder having its clothes contacting face provided with a series of longitudinal corrugations and a number of spirally arranged ribs projecting above the corrugations.

1,639,873. CRATE. CHARLES A. WOOLSEY and HENRY V. BOWMAN, Minneapolis, Minn., assignors to Northwestern Collapsible Carrier Co., St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 12, 1923. Serial No. 674,358. 13 Claims. (Cl. 217—36.)



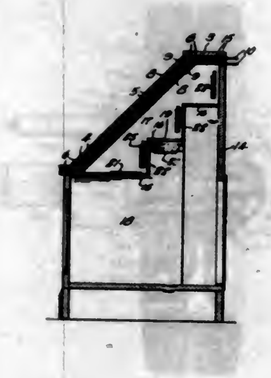
5. The combination with a crate, of a grid comprising rods having bent ends, plates having holes therein and longitudinal groves intersecting said holes to receive said bent ends and brace said plates, said plates fitting the surfaces of the inner walls of said crate and rivets for securing said plates to said walls.

1,639,874. INTERNAL-COMBUSTION ENGINE. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 7, 1923. Serial No. 643,874. 8 Claims. (Cl. 123—90.)



1. In combination in an internal combustion engine, a pair of poppet valves, a yoke member, guide means surrounding the stem of each valve detachably secured to the yoke member, and a cam adapted to actuate the yoke member to operate the valves in unison.

1,639,875. SHOW CASE. CHARLES J. ABELN, St. Louis, Mo. Filed Apr. 28, 1924. Serial No. 709,384. 11 Claims. (Cl. 211—25.)



1. In a show case, a horizontally movable door adapted to open or close the front of the case, a handle rigidly connected to the door and projecting outside of the case at the rear thereof adapted to operate the door.

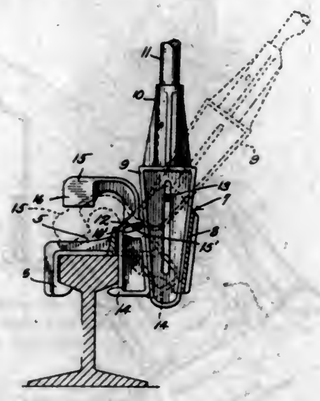
1,639,876. VACUUM CLEANER. JOSEPH WHITE L. ACOSTA, San Francisco, Calif. Filed June 11, 1925. Serial No. 36,378. 1 Claim. (Cl. 15—15.)



A pneumatic cleaner comprising a head provided at one side with an intake nozzle and at its opposite side with an exit opening, a partition wall located in the head above the nozzle and below the exit opening and disposed transversely across the head between the nozzle and the opning, said partition wall having an enlarged central opening therein, a shaft rotatably mounted in the head and extending through the central opening, fan blades mounted on the shaft and arranged in the head above the partition wall, means for rotating the shaft, a handle composed of perforated sections hingedly connected at their inner ends to the sides of the head and extending around the opening, clasp means for securing the outer ends of the handle sections together, a bag frame secured to the head and located within the handle sections, and a bag carried by the bag frame and surrounding the opening in the head, said bag being housed between the handle sections.

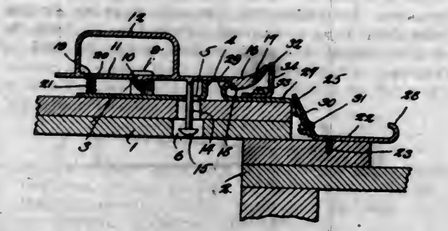
1,639,877. RAIL-CLAMP SIGNAL. MORITZ A. ANKELE, Danville, Ill. Filed Dec. 21, 1926. Serial No. 156,141. 5 Claims. (Cl. 246—477.)

1. A removable staff support including a body portion, a jaw formed integral with the body portion, a pivoted jaw mounted on the body portion, means for normally holding the pivoted jaw in its inactive position, a wedge-shaped member having a socket to receive a staff, said wedge-shaped member being pivotally supported by the



body portion, and said wedge-shaped member adapted to engage the pivoted jaw to move the pivoted jaw into clamping relation with the first mentioned jaw.

1,639,878. LATCH. HARRY BENTROTT, Wheatland, Iowa. Filed June 4, 1926. Serial No. 113,777. 1 Claim. (Cl. 292—128.)

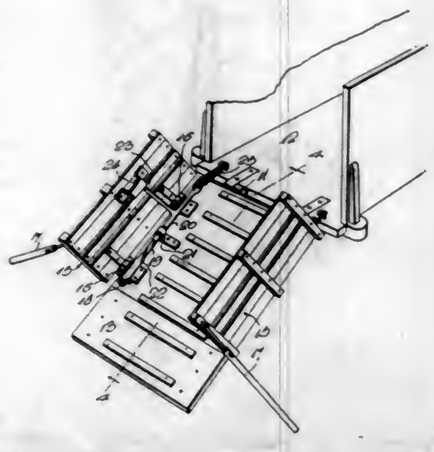


A keeper of the class described, comprising a carrying plate and a supplemental plate provided at their outer ends with latch-engaging fingers, the plates being arranged in oppositely-projecting approximately parallel relation, and being supplied at their inner ends with overlapped angular flanges, means for connecting the flanges adjustably to accommodate the keeper to doors of different thicknesses, and detachably whereby the carrying plate can be turned end for end and used alone, an outstanding member having an opening for the reception of a latch-engaging securing device, and means for mounting said member on either plate at the will of an operator.

1,639,879. COMBINED END GATE AND RAMP. LEONARD C. BUFFINGTON, Golden City, Mo. Filed Apr. 1, 1926. Serial No. 99,101. 6 Claims. (Cl. 296—61.)

1. A loading and unloading attachment comprising a ramp including a body, means for hingedly connecting the upper end of said body to the bed of a truck or wagon to permit said body to be swung upwardly to a tail-gate

forming position, a pair of side walls hingedly connected to said body, means for automatically swinging said side walls inwardly towards said body when the latter is swung upwardly and outwardly to operative position when the ramp is swung downwardly, said means comprising



longitudinally movable and rotatable members mounted on said ramp body and having connection with its side walls, and means for turning said rotatable members when longitudinal movement is imparted thereto whereby the side walls of the ramp are raised or lowered according to the direction of turning of said rotatable members.

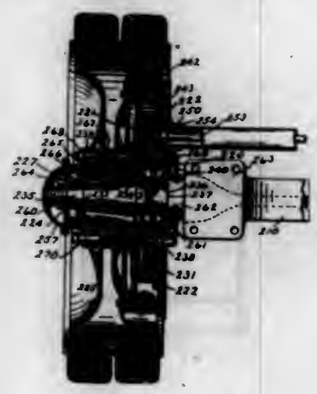
1,639,880. TOOTHBRUSH. JOSEPH BERNARD BUTLER, Whitehall, London, England. Filed Feb. 19, 1926, Serial No. 89,501, and in Great Britain Feb. 20, 1925. 3 Claims. (Cl. 15—167.)



3. A toothbrush comprising a handle provided at one end with an elongated tuft carrying back terminating in an inclined widened portion, the back having an arcuate face, one or more rows of bristle tufts mounted on the arcuate face of the inclined portion of the back, the rows being disposed transversely thereof and the tufts being disposed perpendicularly to said inclined widened portion, the tip of each tuft being conically pointed, and a plurality of rows of bristle tufts, mounted on the arcuate face of said back inwardly of the inclined portion, each of said last named rows terminating in a chisel pointed working surface, there being more tufts to a row in the first named rows on the inclined portion than in the last named rows.

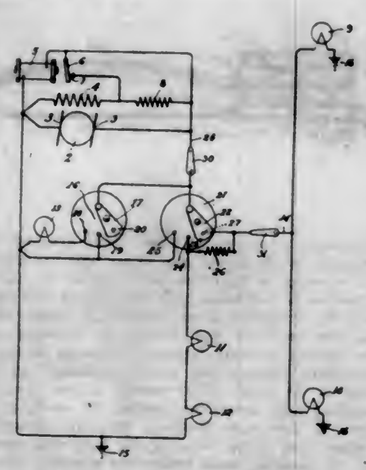
1,639,881. MOTOR VEHICLE. HAROLD D. CHURCH, Fairfield, Conn., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Original application filed Oct. 12, 1917, Serial No. 196,183. Divided and this application filed Sept. 28, 1922. Serial No. 591,200. 2 Claims. (Cl. 74—7.)

1. In a motor vehicle axle construction, the combination of a load carrying member having spindle portions at its ends, a road wheel for each spindle portion comprising inner and outer hubs detachably connected together, and separated bearings between each spindle portion and its



wheel, one of said bearings being between the inner hub and said spindle portion and the other said bearing being between the outer hub and said spindle portion.

1,639,882. ELECTRICAL SYSTEM. WILLIAM B. CHURCHER, Cleveland Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1925. Serial No. 51,283. 5 Claims. (Cl. 171—97.)

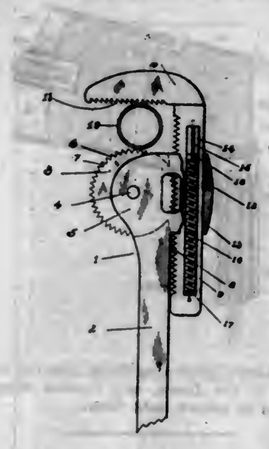


1. In an electrical system compriaing a shunt wound generator, a load therefor, a switch having a set of "make-before-break" contacts having the "make" contacts thereof connected directly across the generator output terminals, and the "break" contacts in the circuit of said generator and load.

1,639,883. PIPE WRENCH. JOSEPH E. CONWAY, Baltimore, Md. Filed July 5, 1923. Serial No. 649,664. 6 Claims. (Cl. 81—96.)

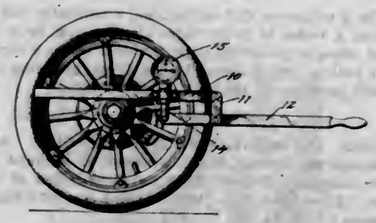
1. A wrench of the character described consisting of a fixed jaw and a movable jaw, an operating shank upon

which said last jaw is rotatably mounted, a short shank upon which the first jaw is fixed, said last shank having



a rack, said movable jaw having a toothed periphery for cooperation with the rack, said short shank having a slot and means therein for urging the jaws together.

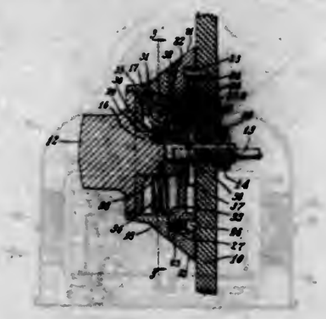
1,639,884. BRAKE TESTER. FRANK DOWRELIO, Oakland, Calif. Filed Nov. 18, 1926. Serial No. 149,027. 1 Claim. (Cl. 265—1.)



A brake testing device comprising a lever adapted to be arranged diametrically of a wheel over the hub thereof, one end of the lever being adapted to engage a rim lug of the wheel, a handle disposed substantially parallel to the lever, a link connecting the lever to the handle, the point of connection between the link and the handle being disposed intermediate the ends of the latter, a pressure gage secured to the lever, said pressure gage having a reciprocable plunger, a connection between said plunger and the inner end of the handle whereby pressure brought to bear on the outer end of the handle will operate the gage and through the gage impart turning movement to the lever to rotate the wheel.

1,639,885. PRECISION ADJUSTMENT DEVICE. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 13, 1922. Serial No. 587,928. 7 Claims. (Cl. 74—7.)

5. In an electrical instrument adjusting device, a dial, a shaft rotatably mounted in the dial and to which the movable member of the instrument is attached, a second shaft rotatably mounted in the dial, means for operating



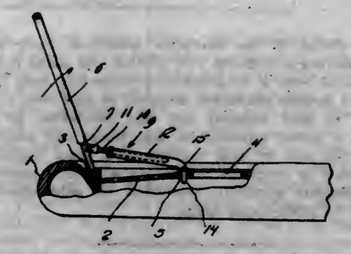
the first from the second shaft for moving the member on the first shaft and means for rendering the dial inoperative when the second shaft is operated.

1,639,886. AUTOMOBILE RIM. BENTLAND DELILE GORDON and WILLIAM HENRY ESTON PEAREN, Medora, Manitoba, Canada. Filed Nov. 11, 1922. Serial No. 600,436. 1 Claim. (Cl. 152—21.)



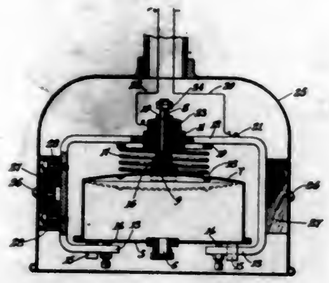
A device of the character described comprising a member having a pocket formed therein, a plunger slidable in said pocket, a spring confined between one end of the plunger and abutment means formed at one end of the pocket, an inclined stem carried by the plunger and projecting outwardly from the pocket through a slot formed in said member and a finger grip secured to the projecting terminal of the stem.

1,639,887. TIRE AND RIM TOOL. ROY H. HATFIELD, Lewiston, Idaho, assignor of one-half to Charles H. Murray, Lewiston, Idaho. Filed June 16, 1926. Serial No. 116,430. 2 Claims. (Cl. 157—6.)



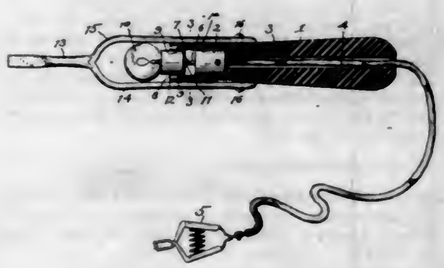
1. A tire and rim tool of the class described comprising a lever having a reduced hooked end, and a bracing prop therefor, said prop comprising a screw pivotally connected to the reduced end of the lever, a part into which said screw is threaded, a retaining nut in said screw cooperable with said part, said part terminating in a downturned end adapted to fit into a bolt hole in a disk wheel, and there being stop pins associated with said downturned end for resting against the disk.

1,639,888. THERMOSTATIC SWITCH. WILFORD J. HAWKINS, Montclair, N. J. Filed Dec. 12, 1919. Serial No. 344,395. Renewed Jan. 27, 1927. 15 Claims. (Cl. 200—140.)



1. A thermostatic switch comprising a container provided with a spring tensioned wall arranged to buckle in opposite directions, a support for said container having upper and lower arms, switch mechanism mounted on the upper arm of said support and provided with an actuating member disposed in position to be engaged by the buckling wall and means carried by the lower arms of the support for effecting relative adjustment of the buckling wall and switch actuating member on the support.

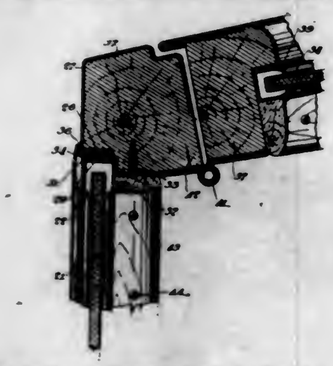
1,639,889. COMBINED TOOL AND ELECTRIC BULB. JOSEPH A. HUMM, Elyria, Ohio. Filed Dec. 29, 1922. Serial No. 609,696. 2 Claims. (Cl. 240—2.)



1. A device of the character described, comprising a handle having a reduced end portion, an axial recess in the reduced end, a longitudinally extending hole in said handle, a flexible conductor disposed in said hole, a sleeve secured to said reduced end and extending forwardly thereof, a socket attached to said sleeve and adapted to receive the end of said conductor, a lamp mounted in said socket in electrical connection with said sleeve, and an implement pivotally connected to said sleeve and adapted to bridge said lamp.

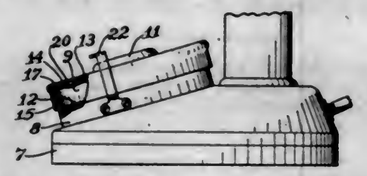
1,639,890. MOTOR VEHICLE. ARCHER L. KNAPP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 5, 1924. Serial No. 704,308. 4 Claims. (Cl. 296—84.)

4. The combination with a motor vehicle body, of cross members and side members forming a frame at the forward end thereof, said frame having a forwardly disposed rabbet, a unitary windshield having a rim, molding having a portion adapted to embrace the rim and to fit in said rabbet and another portion adapted to cover the joint between the frame and the rim, the first named portion



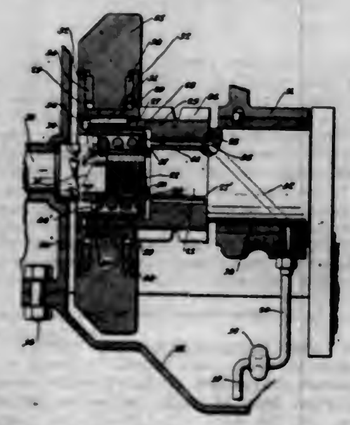
having an inwardly projecting flange adapted to be removably secured to the frame, and beading secured to the frame adapted to conceal said flange.

1,639,891. DIAL MECHANISM FOR AUTOMATIC TELEPHONES. ALFRED LUCKIE and TYLER L. MANOUM, Birmingham, Ala. Filed Mar. 28, 1927. Serial No. 179,156. 8 Claims. (Cl. 179—90.)



1. In a telephone dial mechanism, a rotatable dial plate carrying a series of finger holes closed below by a transparent element rotatable with the dial plate, a series of signal indicia visible through said holes, and stop means to limit rotation of the dial in signalling.

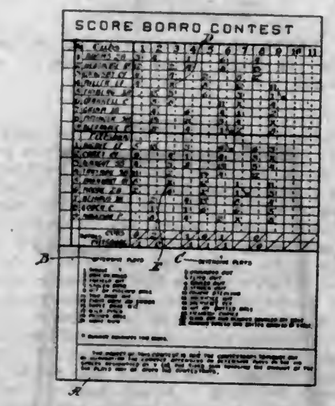
1,639,892. INTERNAL-COMBUSTION ENGINE. ALFRED MOOSHOUSE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 10, 1923. Serial No. 673,872. 20 Claims. (Cl. 74—6.)



1. In an engine, the combination with the crankshaft thereof having a threaded end, of a sleeve threaded

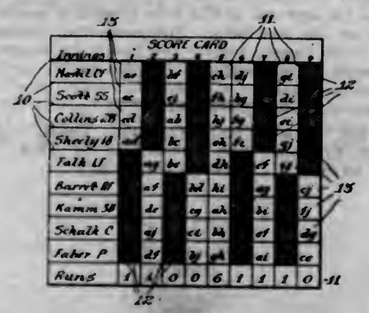
thereon, a spring surrounding the sleeve, and a vibration damper having its parts held in frictional engagement by said spring.

1,639,893. GAME OR PUZZLE. EMIL S. NEUZIL, Chicago, Ill. Filed Apr. 6, 1925. Serial No. 20,883. 10 Claims. (Cl. 273—88.)



1. In a game, the combination of a score card having certain numerals thereon representing plays and certain other characters representing unknown plays.

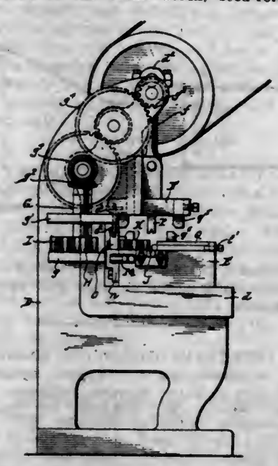
1,639,894. GAME OR PUZZLE. EMIL S. NEUZIL, Chicago, Ill. Filed June 18, 1926. Serial No. 116,795. 5 Claims. (Cl. 273—88.)



1. In a game or puzzle the combination of a score card having certain characters representing plays, a guide having certain combination of characters representing plays of a baseball game whereby only certain combination of characters in said guide representing certain plays may be inserted on said score card for completing said score card.

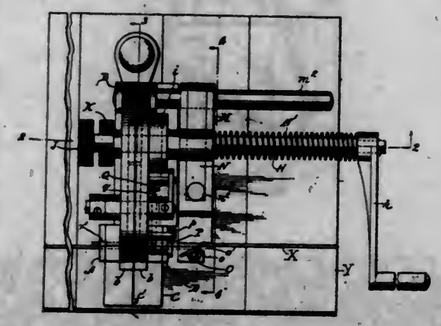
1,639,895. MACHINE FOR MAKING DIVERGENT FASTENERS. VINCENT RAGONA, Brooklyn, N. Y., assignor, by mesne assignments, to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed June 4, 1921. Serial No. 475,148. 7 Claims. (Cl. 10—28.)

3. In a machine for making divergent fasteners of the class described, a plurality of complemental die-rolls provided with matching-surfaces in relief and in intaglio for the formation of divergent corrugations in alternate relation to flat surfaces, combined with a channel within which the formed stock is directed in a determined path, tooth-forming dies acting upon edge only of the corrugated portions of the metal stock, feed-rolls positioned



intermediate said die-rolls and said tooth forming dies, and means for intermittently actuating said feed-rolls and said tooth-forming dies.

1,639,896. PACKAGE-BINDING IMPLEMENT. VINCENT RAGONA, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 19, 1922. Serial No. 589,150. 7 Claims. (Cl. 140—93.)

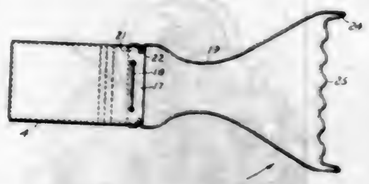


1. In a wire tying device, the combination with a twister pinion, and a tensioning member, of a shaft provided with a gear, means actuated by the shaft to impart sliding movement to said tensioning member, a rotatable and slidable operating shaft, a gear fast with the operating shaft and movable by the sliding movement thereof into and out of mesh with said gear on first named shaft, and a second gear fast with said operating shaft and movable by the sliding movement thereof into and out of service relation to said twister pinion, whereby the operating shaft is adapted in one position for actuating the twister pinion and in another of its positions to impart movement to the tensioning member.

1,639,897. HOT-AIR DEVICE. WILLIAM L. RATHJEN and LILLIAN K. RATHJEN, Oakland, Calif. Filed Aug. 14, 1924, Serial No. 731,994. Renewed Jan. 15, 1927. 6 Claims. (Cl. 34—26.)

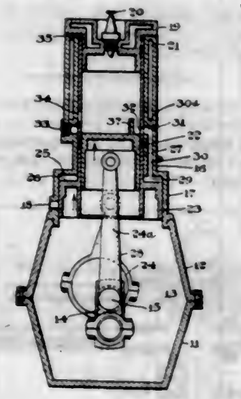
5. A hot-air device, comprising a shell having a plurality of spaced walls therein forming a plurality of heating chambers having a common inlet opening and

converging toward a common outlet opening, and said chambers having thereabove an additional chamber with a separate inlet opening for cold air and terminating in



the said common outlet opening, and a hair guard mounted above said outlet opening and extending outwardly therefrom.

1,639,898. INTERNAL-COMBUSTION ENGINE. PERCY H. REID, Montreal, Quebec, Canada, assignor of one-half to Arthur S. Piers, Montreal, Canada. Filed Apr. 29, 1926. Serial No. 105,570. 7 Claims. (Cl. 123—71.)



7. A two cycle engine having aligned fuel inlet and exhaust ports formed in opposite wall portions of the power cylinder and positioned so that the inner edges of said ports approximately coincide with the compression surface of the power piston when the latter is at the end of the power stroke, a reciprocal sleeve valve operating between the cylinder and the piston and provided with fuel inlet and exhaust ports arranged to register, at times, with the corresponding ports of the cylinder, said valve ports being relatively staggered to position the exhaust port a predetermined distance nearer to the head or outer end of the valve, means for reciprocating the valve oppositely to the piston including provision for causing the valve to have a limited movement in the same direction as the piston at the very beginning of the compression stroke, said means being timed to cause the exhaust ports to open and close during a slight travel of the piston at the end of the power stroke, to cause the inlet ports to begin to open just prior to closure of the exhaust ports and before the piston has reached the end of the power stroke and to cause said inlet ports to be closed by the valve and the piston when the latter has traveled only a slight distance outwardly at the beginning of the compression stroke and a fuel pump comprising a pump cylinder formed by enlarging the inner end of the power cylinder and having a fuel inlet and a fuel outlet, a conduit formed in the power cylinder and establishing communication between the fuel inlet thereof and the pump outlet and a pump piston operating in said pump cylinder and formed by an enlargement at the inner end of the valve, said pump piston functioning to draw a charge of fuel into the pump cylinder during the inward movement of the sleeve and to compress and deliver the charge of fuel to the power cylinder during the outward movement of the sleeve.

1,639,899. DUSTPAN. WILLIAM C. RICE, Holden, Mo. Filed Apr. 14, 1925. Serial No. 23,066. 1 Claim. (Cl. 65—20.)



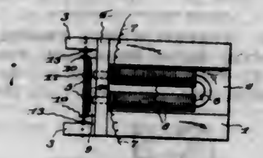
A dust pan including a body portion formed of a length of sheet metal, side and rear upstanding flanges formed on the body portion, the ends of the side flanges overlapping the ends of the rear flange, a support embodying a plate having its upper edge disposed between the overlapping ends and having its lower edge arranged in spaced relation with the body portion of the pan to elevate the rear end of the body portion, a handle positioned on the rear flange, rivets extending through the ends of the flanges, support and handle for securing the flanges in upright positions.

1,639,900. STEAM HAIR CURLER. FRANK C. SALISBURY, Cleveland, Ohio. Filed Mar. 29, 1926. Serial No. 98,098. 7 Claims. (Cl. 132—33.)



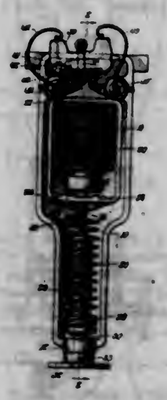
1. A hair curler comprising, a source of steam, a multiple number of steam pipes connected therewith, a corresponding number of perforated tubes closed at their outer ends, tubular sliding connections between said steam pipes and said perforated tubes and having outer cylinders enclosing said tubes.

1,639,901. ORGAN RELAY. MAURICE H. SAMPSON, Chicago, Ill. Filed July 23, 1923. Serial No. 653,357. 1 Claim. (Cl. 200—104.)



A relay comprising a horizontal insulating base block having a longitudinal channel in its under face and extending from end to end, said block having the upper portion of one end extended at each side to form a pair of arms of reduced thickness, an insulating strip secured across one end of said channel to said block beneath said arms, an elongated horse shoe magnet having the two ends of the core thereof passed through said strip for support of said magnet with the body of said magnet extending into and being housed within the channel of said block, an L-shaped armature plate having a depending long arm and a horizontal short arm, integral ears extending at right angles from opposite side edges of the long arm of said armature plate directly adjacent the bend thereof, a pivot rod passed through said block arms and plate ears for pivotal suspension of the armature with the long arm thereof depending adjacent the poles of said magnet and the short arm thereof extending oppositely from the ears, and in the direction of the magnet, a contact block detachably secured on the upper face of said base block, a plurality of circuit leads disposed in said contact block and extending over the short arm of said armature plate, and means carried by the short arm of said armature plate for simultaneous circuit closing engagement of all of said circuit leads upon energization of the magnet.

1,639,902. THERMOSTATIC APPLIANCE. HERBERT J. SAUVAGE, Chicago, Ill., assignor, by mesne assignments, to the trustees of Electro Thermostatic Control Company, Chicago, Ill., a Trust Estate. Filed July 5, 1924. Serial No. 724,278. 6 Claims. (Cl. 297—8.)

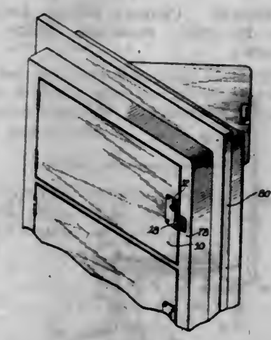


1. In a thermostatic appliance of the character described, the combination of an expansible and contractible thermostatic bellows, a supporting ledge to which one end wall of said bellows is fixedly secured, said ledge having a surface parallel to the plane of said bellows end wall, a yoke around said bellows bearing on the outer face of the opposite end wall of said bellows, a coil contractible spring secured to the yoke on the opposite side of said ledge from said bellows, and means to adjust the tension of said spring, said yoke under certain conditions being adapted to bear on said ledge surface and to maintain said movable bellows end wall parallel to said fixed bellows end wall.

1,639,903. PROCESS OF ACCELERATING THE VULCANIZATION OF RUBBER. WINFIELD SCOTT, Akron, Ohio, assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Aug. 14, 1924. Serial No. 731,969. 19 Claims. (Cl. 18—53.)

1. The process of manufacturing an accelerator for use in the vulcanization of rubber which comprises treating an aldehyde derivative of Schiff's base with an acid, neutralizing said acid, and reacting the product so formed with an aldehyde.

1,639,904. SERVICE CABINET. HARRISON A. SMITH, Neenah, Wis., assignor, by mesne assignments, to The Servidor Company, New York, N. Y., a Corporation of Delaware. Filed May 23, 1921. Serial No. 471,566. 12 Claims. (Cl. 232—1.)

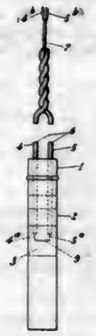


1. In combination, a normally closed compartment, a plurality of doors providing access to said compartment, locking means operated by swinging said doors to closed position to hold them closed, manual means for releasing said locking means, said locking means operating to throw the door open when released, and an inter-locking mechanism connecting said sets of locking mechanism to permit operation of said doors in predetermined sequence only.

1,639,905. MANUFACTURE OF SODIUM THIOSULPHATE. FREDERICK W. SPEER, Jr., and DAVID L. JACOBSON, Pittsburgh, Pa., assignors to The Koppers Company, a Corporation of Pennsylvania. Filed Apr. 4, 1921. Serial No. 458,265. 4 Claims. (Cl. 23—115.)

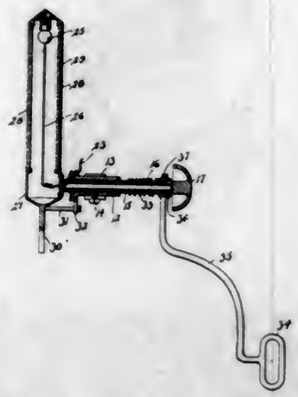
3. In a process for the production of alkali metal thiosulphate the combination of steps that consists in: passing a gas containing hydrogen sulphide through an alkaline solution to absorb the hydrogen sulphide from the gas; heating and treating the solution containing the absorbed hydrogen sulphide with an oxidizing agent so as to effect the formation of the alkali metal thiosulphate; and withdrawing from the circulating system solution for the recovery of the alkali metal thiosulphate, when the latter has accumulated to about its saturation point in the system.

1,639,906. SAFETY BLASTING CAP. NEWTON I. STEERS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 24, 1925. Serial No. 17,864. 2 Claims. (Cl. 102—9.)



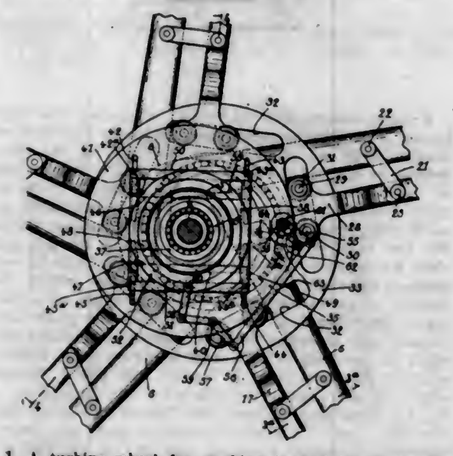
1. In a blasting cap, an explosive container, and electric leads from said container, said leads having uninsulated portions, with such portions twisted together through a substantial length thereof.

1,639,907. SIGNAL. CHARLES STILES, Altoona, Kans. Filed June 20, 1925. Serial No. 38,520. 1 Claim. (Cl. 177—329.)



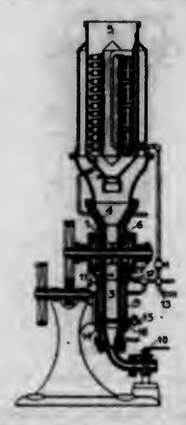
A signal of the character set forth including a fixed sleeve, a bearing sleeve arranged within and fixed to the inner side of the fixed sleeve, a rotary shaft arranged in the bearing sleeve, a hand operated wheel upon the inner end of the shaft, a collar fixed to the outer end of the rotary shaft and abutting the outer end of the bearing sleeve to limit the inward movement of the collar, a large annular flange on one end of the collar, a small similar flange upon the opposite end thereof, an illuminated lamp casing secured to the small annular flange on the collar, the large annular flange on the collar having a contact member arranged upon the inner side thereof, the outer end of the fixed sleeve having an annular flange thereon, a semi-circular spring contact member on the last mentioned annular flange and adapted to contact with the first mentioned contact member, a spring encircling the bearing sleeve with one end connected with the bearing sleeve and the other end connected to the hand operating wheel, means upon the lower end of the lamp casing and the annular flange on the fixed sleeve for restricting the lateral movement of the lamp casing, and a knee pedal having its upper end secured to the inner end of the hand operating wheel and its opposite end extending downwardly and in juxtaposition with the motor operator's knee.

1,639,908. TURBINE-WHEEL PROPELLER AND MOTOR. CARL BRUNO STRANDGREN, Paris, France. Filed Oct. 17, 1925, Serial No. 63,013, and in Great Britain Aug. 25, 1925. 12 Claims. (Cl. 170—24.)



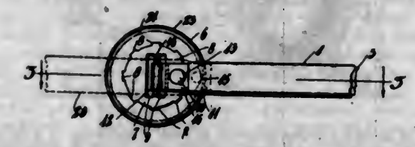
1. A turbine wheel for working in a fluid in relative motion thereto, comprising in combination a rotary member, a number of oscillating members pivoted to said rotary member about axes parallel to the axis of rotation of said rotary member, an eccentric member adapted to rotate about an axis parallel to said axis of rotation, rigid members extending in a substantially radial direction and respectively pivoted to said oscillating members and means for connecting said eccentric member to said rigid members whereby the latter may take slight displacements of translation in a direction substantially parallel to the corresponding tangent to said eccentric member during the operation of the wheel.

1,639,909. CEREAL-SWELLING MACHINE. CHUJIRO SUZUKI, Tokyo, Japan. Filed Mar. 26, 1924. Serial No. 702,157. 2 Claims. (Cl. 99—2.)



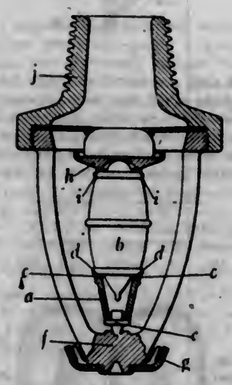
1. A machine of the character described comprising preheating means, feeding means arranged therebeneath including a cylinder casing, a hopper above the casing and connected with the preheating means for guiding the material to the casing, a rotary valve arranged transversely within the casing, a high pressure steam chamber connected to the bottom of the casing, means for conducting steam into the upper part of the steam chamber and exhausting it from the lower part thereof, a steam drawing device positioned at the bottom of the steam chamber including a plurality of superposed annular and relatively thin plates, and a drain valve in communication with the space between the plates and valve means connected with the means for exhausting the steam from the chamber for regulating the treated material from the chamber.

1,639,910. TRUSS. CHARLES J. TRAUB, Cincinnati, Ohio. Filed Aug. 21, 1926. Serial No. 130,625. 7 Claims. (Cl. 128—120.)



1. In a truss, in combination with a resilient back member thereof, a padded flat element, a plate having prongs clinched into said element and having apertures with a part between said apertures distended away from said element, forming a pivot part, and means embracing said pivot part and fixed to said member.

1,639,911. AUTOMATIC SPRINKLER OR FIRE EXTINGUISHER. JOHN TAYLOR, Manchester, England, assignor of one-half to Mather & Platt Limited, Manchester, England, a British Company. Filed Aug. 23, 1926, Serial No. 131,011, and in Great Britain Mar. 13, 1926. 4 Claims. (Cl. 169—38.)



1. As an article of manufacture, a bulb support for automatic sprinklers or fire extinguishers, comprising a body of relatively soft metal having a serrated surface which contacts with the material of the bulb and which when pressure is applied thereto is adapted to cold-flow to ensure of even bedding of the bulb on the support.

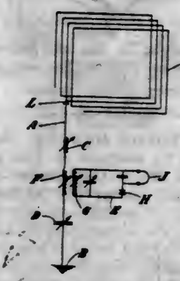
1,639,912. WICK HUMIDIFIER FOR CIGAR CASES. JAMES A. WARD, Mallard, Iowa. Filed May 1, 1926. Serial No. 106,011. 4 Claims. (Cl. 131—30.)

1. In a device of the class described, two bars parallelly arranged and designed to rest on the bottom of a cigar case, a trough secured to said bars and having end members that extend downward and also designed to rest on the bottom of the case, a wick supported by said bars and terminating in said trough, metal webbing embracing said



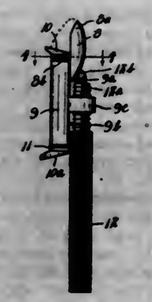
wick and rods between said wick and said webbing for holding the top portion of the webbing a certain distance from said wick.

1,639,913. ANTISTATIC AERIAL. ROY A. WEAGANT, New York, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Oct. 6, 1920. Serial No. 415,081. 5 Claims. (Cl. 250—20.)



1. An aerial for radio signaling, comprising an open loop portion having a plurality of turns and a vertical antenna portion connected to substantially the mid point of the open loop portion.

1,639,914. DENTAL INSTRUMENT. AMOS S. WELLS, Minneapolis, Minn. Filed Aug. 27, 1925. Serial No. 52,789. 11 Claims. (Cl. 32—10.)

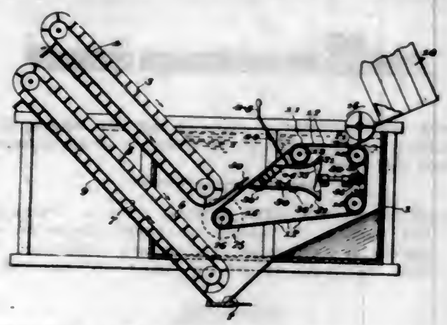


1. A dental tool for building tips on artificial teeth having in combination retaining means for holding a tooth, and a supporting surface extending transversely at one side of the tooth when the latter is held in said means, on which surface a tip may be built up.

1,639,915. APPARATUS FOR WASHING COAL AND ORE. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed May 10, 1922. Serial No. 559,793. 7 Claims. (Cl. 209—423.)

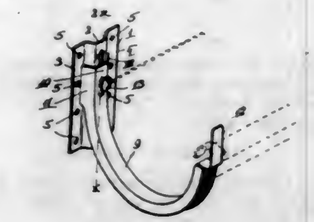
1. In a coal and ore washing apparatus, the combination of traveling means situated within a body of water for conveying coal or ore through the said body of water the said coal or ore being adapted to be deposited upon

said means, means also situated within the said body of water for creating a continuously flow stream of water and causing the same to flow through the said coal or



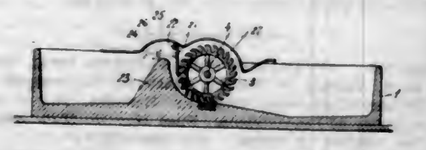
ore as it is carried along by the said means, and means for varying the angle at which the said stream strikes the said coal or ore.

1,639,916. EAVES-TROUGH HANGER. SIDNEY C. WILSON, Pittsford, N. Y., assignor to The Knab Corporation, Rochester, N. Y., a Corporation of New York. Filed Aug. 6, 1925. Serial No. 48,515. 4 Claims. (Cl. 108—29.)



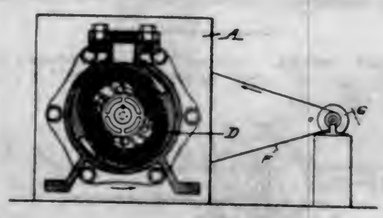
3. In an eaves trough hanger, the combination of a hanger comprising a body portion having parallel flanges, said body portion having the outline of a semi-cylinder, said body portion having one end thereof extending straight or tangential thereto, said straight portion having the flanges flared outwardly, a support consisting of a plate of metal having a channel formed midway thereof and extending outwardly therefrom, said channel having sloping sides with which the flaring flanges of the hanger engage to nest the channel of the support therein, said channel having a narrow slot in the base thereof and a wide opening at the end of said slot, a bolt for fastening said hanger to said support, said bolt comprising a screw and a nut, the screw of said bolt passing through said hanger and through the slot in said support, a nut in the channel of the support with which said screw engages.

1,639,917. BEATER. GEORGE STANFORD WITHAM, Jr., Hudson Falls, N. Y. Filed June 30, 1922. Serial No. 572,092. 12 Claims. (Cl. 92—24.)



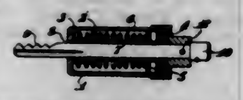
1. In combination, a beater roll and a motor having their axes in alinement, a connection between the motor and the roll for driving the same directly, said connection adapted to shear under a predetermined stress, and means for moving the motor and the roll vertically while retaining the alined axes horizontal.

1,639,918. DEVICE FOR ILLUSTRATING THE OPERATION OF ROTARY PUMPS. GEORGE B. WRIGHT, South Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a Corporation of Connecticut. Filed Nov. 19, 1925. Serial No. 70,040. 3 Claims. (Cl. 35—16.)



1. A device for the purpose stated, consisting of a back representing a section of a rotary pump, said back having a cut away portion, a front rotor representing a section of the pump rotor, and a rotor on the rear of the back connected to turn with the front rotor, and having markings to indicate the action of the liquid in a pump.

1,639,919. LOCKSMITH'S INSTRUMENT TO OPEN ALL STANDARD MAKES OF CYLINDER LOCKS. GEORGE JOHN BARON, Willesden, England. Filed Jan. 5, 1926, Serial No. 79,367, and in Great Britain July 17, 1925. 7 Claims. (Cl. 70—9.)



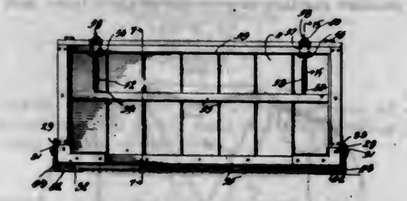
1. An instrument for unlocking different cylinder locks, comprising a stock, a plunger mounted resiliently in said stock, capable of rotation therewith, and extending therefrom at one end with a serrated edge and being exposed at the other end of the stock, the serrated end being adapted to be inserted in the lock while the stock bears against the lock's outer wall, thus enabling a series of trial turning efforts to be given to the plunger simultaneously with a series of resilient percussions on the exposed end.

1,639,920. HYDROCARBON BURNER. CLARENCE A. BERKINS, Minneapolis, Minn. Filed Oct. 28, 1922. Serial No. 597,453. 2 Claims. (Cl. 158—91.)



1. A fluid fuel burner comprising an air tube having a depending delivery end arranged for the downward delivery of air, a generating cone extended from a point below axially up into the delivery end of said tube but spaced therefrom, said air tube at a point slightly above said cone having an internal annular flange forming a contraction and causing the downwardly delivered air to be concentrated toward the top of said cone and to move with relatively high velocity, and means for delivering fluid fuel to the outer surface of said generating cone.

1,639,921. COLLAPSIBLE BASKET. ROBERT W. BIRCH, Livingston, Mont. Filed Feb. 15, 1926. Serial No. 88,473. 4 Claims. (Cl. 217—47.)



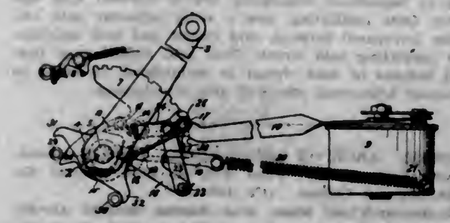
2. A knock-down basket including a bottom wall, end walls hinged to the upper surface of the bottom wall slightly inwardly of the outer ends thereof and adapted to fold inwardly and lie flat thereupon, brackets carried by the said bottom wall and extending beyond the ends thereof, front and rear walls adapted to rest at their lower edges upon the bottom wall, brackets carried by each end of the said front and rear walls and extending inwardly thereof, and connecting arms extending between and pivotally connected to the said brackets carried by the bottom wall and the brackets carried by the front and rear walls.

1,639,922. STORAGE BATTERY. STANLEY ALBERT BREULS, Sutton West, Ontario, Canada. Filed Aug. 14, 1923. Serial No. 657,364, and in Canada May 30, 1923. 1 Claim. (Cl. 136—81.)



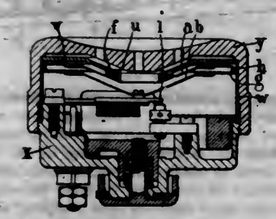
In combination a series of battery plates in spaced relation and having apertures near their edges with the apertures in alinement, a metal locking bar extending across the plates and provided with transverse slots in which are seated the plates, said bar having a longitudinal opening registering with the alined apertures of the plates and a locking pin extending through the longitudinal openings of the locking bar and said apertures in the plates.

1,639,923. CALCULATING MACHINE. CHARLES E. BROMAN, Grand Rapids, Mich., assignor, by mesne assignments, to Add-Index Corporation, a Corporation of Delaware. Filed Nov. 4, 1920. Serial No. 421,749. 10 Claims. (Cl. 235—6.)



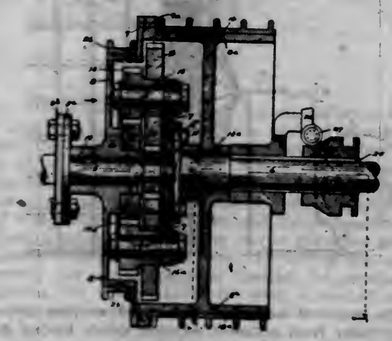
1. In a calculating machine, a shaft-driving flexible and yielding connection, comprising in combination, a shaft, a member fixed on said shaft, another member carried by said shaft and independently rotatable on the same and contacting with said first member, a power-transmitting member loosely mounted on said shaft, a spring, and intermediate connecting parts between said members and said spring, the arrangement of said intermediate connecting parts requiring greater power to expand the flexible connection and spring when at normal than after such expansion has commenced.

1,639,924. DEVICE FOR TRANSMITTING OR REPRODUCING SOUND. SIDNEY GEORGE BROWN, North Acton, London, England. Filed Feb. 4, 1925, Serial No. 6,870, and in Great Britain May 27, 1924. 6 Claims. (Cl. 181—31.)



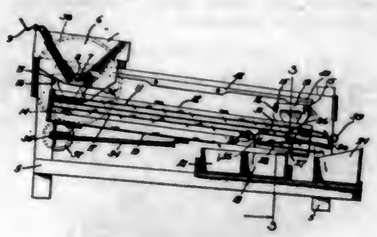
5. In a device for transmitting or reproducing sound, the combination comprising a vibrating element having two similar diaphragms opposed to one another, means for connecting said diaphragms together at their peripheries to form an enclosed space of uniform thickness, means for directly causing one of said diaphragms to vibrate, a sound directing member, and means for rigidly connecting the centre of said other diaphragm to said sound directing member, as set forth.

1,639,925. POWER-TRANSMITTING DEVICE. PHILIPPS LYONS CLARK, deceased, Los Angeles, Calif., by Roy A. Kirkpatrick, executor, Los Angeles, Calif., assignor to Annie Clark. Filed Apr. 28, 1924. Serial No. 709,392. 5 Claims. (Cl. 74—34.)



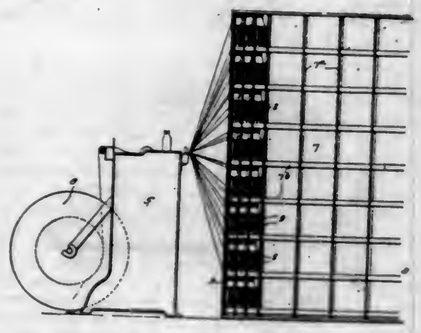
1. In a power transmission mechanism, in combination, two shafts in alinement with each other, a drum revolubly mounted on the adjacent ends of said shafts and having bearings on each shaft, a gear on one of said shafts to be driven thereby, a planetary gear train interposed between said gear and said drum, said drum having a gear in connection therewith and forming a part of said gear train, a friction brake band exteriorly of said drum and adapted to hold the same for reverse drive, means for operating the same, an external contracting band frictional power clutch encircling said drum and keyed to one of said shafts, and means for operating said power clutch as required.

1,639,926. FLAX-TESTING MACHINE. ANDREW V. CLELAND, Minneapolis, Minn. Original application filed July 18, 1923, Serial No. 652,422. Divided and this application filed Sept. 2, 1924. Serial No. 735,370. 10 Claims. (Cl. 209—345.)



1. A flax testing machine comprising a frame, an oscillating shoe mounted therein, a scalping sieve mounted in said shoe and having a group of perforations near its lower end which are larger than those in the upper portion of said sieve to allow the larger seeds passing over the upper portion of the sieve to pass through, a sieve mounted in said shoe beneath said scalping sieve to receive the seed and fine material falling through the upper portion of said scalping sieve, the tailings of said scalping sieve being discharged from the lower end thereof, the finer seeds falling upon said second named sieve, and a means beneath the group of larger perforations for separating the larger seeds received through the larger perforations of the scalping sieve, and delivering the same substantially at the point of delivery of the second named sieve.

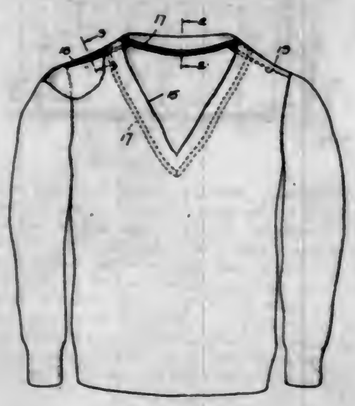
1,639,927. METHOD AND MEANS FOR WARPING YARN. HARRY D. CLINTON, Johnson City, N. Y. Filed Jan. 31, 1927. Serial No. 164,934. 13 Claims. (Cl. 242—131.)



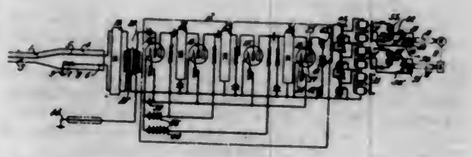
1. The improved method of high speed warping onto a beam cylinder from ordinary warping spools having flat heads, characterized by drawing the yarn directly off of the spools past fixed points spaced from the spools without rotating the latter.

1,639,928. ATTACHMENT FOR SWEATERS AND THE LIKE. SAMUEL H. COHEN, Los Angeles, Calif., assignor, by mesne assignments, to Jerry-J., Inc., Los Angeles, Calif., a Corporation of California. Filed May 6, 1925. Serial No. 28,416. 1 Claim. (Cl. 2—90.)

The combination with a sweater having a single opening at its neck portion, of a strip of elastic tape surrounding said opening and secured to the inner face of the sweater, and a plurality of elastic tapes secured to the inner face of the sweater and extending along the lines of both shoulders and terminating at their outer ends at the junction of the sleeves of the sweater with the shoulder portions thereof and at their inner ends adjacent to the neck portion of the sweater, all of said strips functioning to exert an elastic influence upon the fabric of the sweater, whereby the neck portion is made to closely adapt itself to the neck of the wearer and the shoulder portions to the shoulders of the wearer.



1,639,929. SIGNALING SYSTEM. AUSTEN M. CURTIS, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1925. Serial No. 75,019. 12 Claims. (Cl. 178—63.)



1. In combination, a circuit of substantial length, balanced as regards the impedances of its two sides to earth and exposed to interference from extraneous electric fields, an electric space discharge amplifier of direct amplifying, non-duplex type at one end of said circuit, said amplifier having a cathode with an earth connection of impedance sufficiently low to prevent said amplifier from oscillating, and a relay adjacent said amplifier interposed between said circuit and said amplifier and insulating said circuit from said amplifier so that said balance of said circuit is maintained, in order to minimize deleterious effects of said interference.

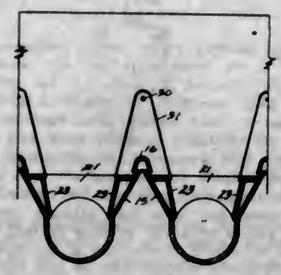
1,639,930. ARCH OR TRUSS SHOE. LOUIS DAVIDSON, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,586. 3 Claims. (Cl. 108—1.)

1. An arch or truss shoe having sockets therein into which the ends of segments may fit, means in the shoe which permit of the compression strains being transmitted from an end face of one segment to the end face of another without stressing the outer walls of the shoe, said sockets having connected walls for sustaining the vertical and horizontal strains which may be transmitted thereto by the ends of said segments, and means



for taking up transverse play between the ends of said segments and said socket walls and resist bending and torsional strains on the arch.

1,639,931. COAL-FEEDING HOPPER. FRED DORNBROOK, Milwaukee, Wis., assignor to Riley Stoker Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1924. Serial No. 690,277. 5 Claims. (Cl. 110—109.)



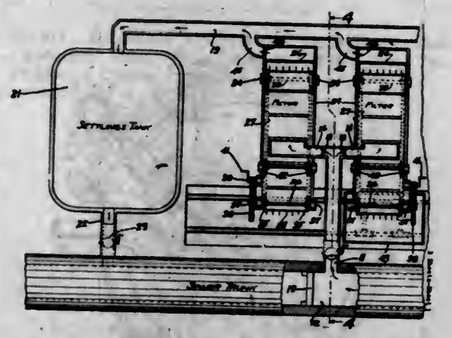
1. In a stoker, a ram casing having an opening in the top thereof, a coal feeding ram slidable in said casing, and a hopper fitting secured within said opening and having its depending front and rear walls substantially fitting the curved upper surface of the ram.

1,639,932. AGITATOR. WILSON R. ELLIS, Berkeley, Calif. Filed Sept. 10, 1926. Serial No. 134,744. 6 Claims. (Cl. 259—126.)



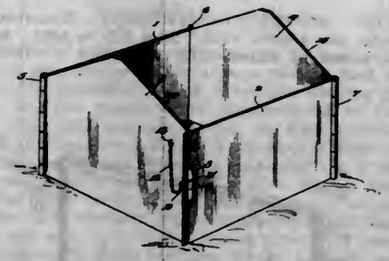
1. An agitator comprising a main shaft, gear mechanism connected to said shaft for rotating the same, a beater element offset with relation to said shaft, a base plate carried by said shaft, and a universal joint connection between said base plate and said beater element.

1,639,933. FILTERING APPARATUS. LEO EWALD, Minneapolis, Minn. Filed June 19, 1925. Serial No. 38,255. 10 Claims. (Cl. 210—2.)



1. A device of the class described, comprising a tank, a feed hopper at the liquid discharge end of the tank, a belt having fingers arranged to rake fresh filter material downwardly from the hopper into the tank, said belt fingers also arranged to drag and distribute the material within the liquid, and to finally remove the same at a point remote from the liquid discharge end.

1,639,934. SAND MOLD. ANTON W. FERRING, Dubuque, Iowa. Filed Dec. 31, 1925. Serial No. 78,622. 3 Claims. (Cl. 46—37.)

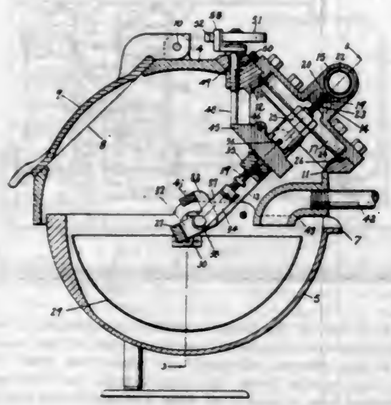


1. A sand mold comprising a plurality of walls hingedly connected to one another in a series and adjustable about their hinged connections to provide a mold chamber of hollow geometric form open at its top and bottom, and means for connecting the free ends of the end ones of the series of walls, one of said walls at its free end being provided with a slot, and the said means comprising a tongue upon the free end of the other wall engageable through the said slot and having an opening therein, and a pin insertable through the opening and engaging the outer side of the first mentioned one of the endmost walls.

1,639,935. VALVE-CONTROL MECHANISM. EDWARD A. FIELD and EDWARD A. FIELD, Jr., Chicago, Ill., assignors to Field Engineering Company, Chicago, Ill. Filed Nov. 23, 1925. Serial No. 70,960. 16 Claims. (Cl. 137—68.)

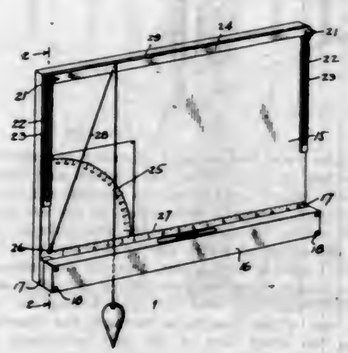
13. In a structure of the class described, the combination of a housing open at the bottom, a receptacle pivotally mounted within and constituting a bottom for said housing, a valve casing mounted on said housing, a feed valve, a pivotally mounted actuating lever, an overflow bucket suspended therefrom within said receptacle, an operating connection for said actuating lever to said valve, a pivotally mounted weight acting on said

lever when the parts are actuated, and a bucket dumping member on said receptacle engaging the bucket to tilt the same when the receptacle is tilted, said receptacle being



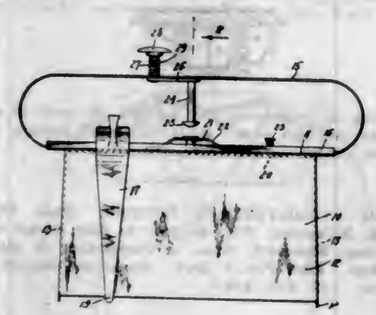
provided with a weight engaging part whereby the parts are returned to set position upon the tilting of the receptacle and the bucket discharged.

1,639,936. MEASURING INSTRUMENT. ELIZABETH H. GATES, Los Angeles, Calif. Filed July 6, 1925. Serial No. 41,846. 5 Claims. (Cl. 33—180.)



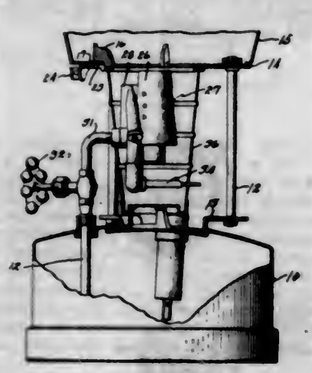
1. A geometrical instrument comprising a support having a linear scale thereon, a protractor carried by said support and having its index at one end of the scale, a bar mounted upon the support in parallelism with said scale, means whereby the bar is adjustably mounted upon the support for varying the position thereof with respect to said scale, a rule having a scale on said support for determining the position of the bar, a flexible line connected at the index of the protractor and passing over said bar in a direction determinable by reference to said protractor and thence passing downward and providing a depending stretch, a plumb bob on the depending end of said line, and means on the bar for maintaining an adjusted position of the line thereon.

1,639,937. BUTTER MOLD. JOSEPH GREENER, New York, N. Y. Filed Nov. 1, 1926. Serial No. 145,508. 1 Claim. (Cl. 31—11.)



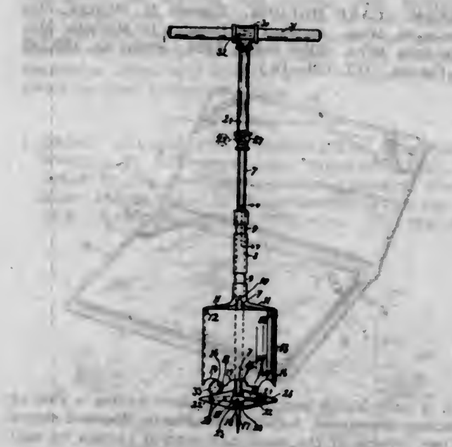
A device for molding butter blocks, comprising a mold composed of a top, side walls and end walls, a ball-shaped handle attached to said top, an ejector plate within said mold extending in parallel relation to said top, a plunger on said ejector plate extending through said top, a pin shiftably mounted upon said handle in alignment with said plunger and provided with a head at its lower end adapted to bear against said plunger, a spring co-operating with said pin for normally holding the latter disengaged from said plunger, two parallel longitudinal guides upon the exterior of said top, a U-shaped frame extending transversely of the mold mounted upon said guides, and a cutter wire on said frame extending across said mold, the lower edges of said end walls projecting below the free edges of said side walls and thus forming stops for said cutter wire.

1,639,938. FIRE-POT CONSTRUCTION. OTTO J. GROEHN and WILLIAM BLASKEWITZ, Detroit, Mich., assignors to Clayton & Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 12, 1925. Serial No. 1,998. 11 Claims. (Cl. 158—33.)



1. In a fire pot the combination with a fuel tank and combustion chamber of a combined induction chamber and sediment trap in proximity to but outside of the combustion chamber, and a fuel feed pipe extending upwardly from the tank and provided with a horizontally extending part communicating with the said induction chamber and sediment trap.

1,639,939. AUGER FOR POSTHOLES AND WELLS. HENRY GROTHE, Le Sueur Center, Minn. Filed Apr. 3, 1926. Serial No. 99,509. 3 Claims. (Cl. 255—68.)



1. An auger of the class described the same having a normally upright boring bar with means at the top end for rotating it, said bar being polygonal in cross section and having a sharp bottom end for starting it in the ground, a spider fixed on the bar near its lower end, two oppositely arranged semicircular spirally inclined cutting blades fixed on the spider, a vertically disposed open-ended hollow cylinder arranged centrally above the spiral wings, said cylinder having to its upper end secured a spider having a central sleeve extending upwardly and slidable on the polygonal bar, and having one or more portions fitting the contour of the bar so as to make the cylinder rotate with the bar, each spiral blade having its outer edge turned upward and out of concentric position so as to gather the loosened earth inward and leave the cylinder to turn easy in the bore in the earth.

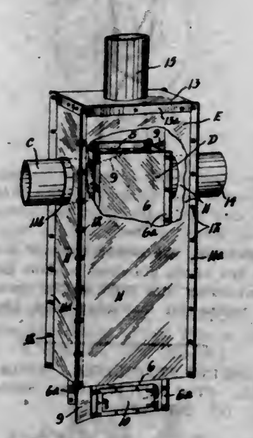
1,639,940. VEHICLE TIRE. DANIEL LAR GUVIA, Mexico, Mexico. Filed Nov. 2, 1925, Serial No. 66,226, and in Mexico Nov. 17, 1924. 6 Claims. (Cl. 152—8.)



1. A tire comprising an elastic casing arranged in close form on a rim to form an inner hollow space, a frame of strong, strengthening and yielding net arranged on the inner face of the elastic casing, and a pressure compensating member for the peripheral surface of the casing,

which member is mounted at the central portion of the hollow space of the casing and is conveniently secured to its inner frame.

1,639,941. HEATING APPARATUS. HANS P. HANSON, Cambridge, Minn. Filed Jan. 21, 1926. Serial No. 82,684. 5 Claims. (Cl. 257—168.)



2. Auxiliary heating apparatus having in combination a closed inner casing formed from a pair of shell sections having registering flanges, a partition dividing said casing into two compartments communicating at their lower ends, said partition having its sides extending between said registering flanges of said shell sections and projecting therebeyond, means for connecting one of said compartments with the outlet flue of a heating plant, discharge means communicating with said other compartment, an outer relatively large casing enclosing said inner casing, and secured in spaced relation thereto by means of the outwardly projecting sides of said partition, said outer casing having air intake means adjacent the lower end thereof, and discharge means adjacent the upper end thereof.

1,639,942. SPRING COVER, SPRING SLEEVE, AND LUBRICATOR. EARL F. HARTZELL, Cuyahoga Falls, Ohio. Filed Oct. 18, 1926. Serial No. 142,346. 24 Claims. (Cl. 267—37.)



1. In an apparatus of the class described, the combination of a sectional casing, said sections provided with double flanges at their contiguous ends, said flanges each being of sufficient size to allow double end movement of a longitudinal nature with respect to a spring upon which the apparatus may be mounted, a filler device assembled with said sectional casing, said filler device comprising sections capable of longitudinal movement, and means for fastening said section casing and filler device together.

1,639,943. PINWHEEL. JOHN HEBERLING, Rochester, N. Y. Filed Dec. 19, 1924. Serial No. 756,906. 4 Claims. (Cl. 46—14.)



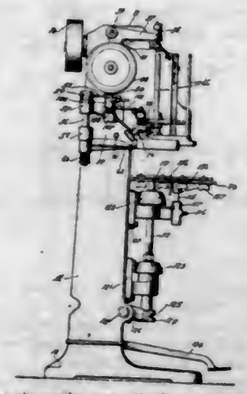
3. In a pinwheel, the combination of a central sleeve forming the hub of the pinwheel, a blade having a curved inner end extending into each of the open ends of said sleeve and means for fastening said blades into said sleeve.

1,639,944. SPRING STABILIZER. ALSAR J. HOLIFIELD, Mobile, Ala. Filed July 17, 1924. Serial No. 726,609. 2 Claims. (Cl. 267—45.)



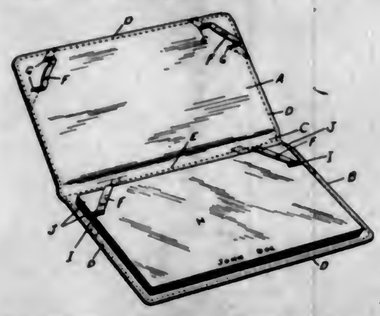
1. A stabilizer of the character described adapted to be introduced between a leaf spring and a body element, comprising a flat metallic strip having a center perforation to receive the spring tie bolt, and having end deformations adapted to form chocks on each side between the spring and body member and shaped to conform to the contour of the spring and body element between which they are clamped in position.

1,639,945. SEMIAUTOMATIC CAN-CLOSING MACHINE. FELIX HUNTAR, Hillside, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 21, 1924. Serial No. 714,979. 9 Claims. (Cl. 113—14.)



1. A semi-automatic can closing machine, comprising seaming mechanism, means for feeding covers from a stack on the machine to position beneath said mechanism and above a can body, said means including an adjustable advancing lever independent of the stack support adapted to accurately engage and position covers of different size, and means for presenting an assembled can and cover to said seaming mechanism.

1,639,946. CARD HOLDER. JOSEPH M. HURLEY, Minneapolis, Minn., assignor to Douglas C. McClain, Minneapolis, Minn. Filed Oct. 2, 1926. Serial No. 139,182. 4 Claims. (Cl. 129—18.)

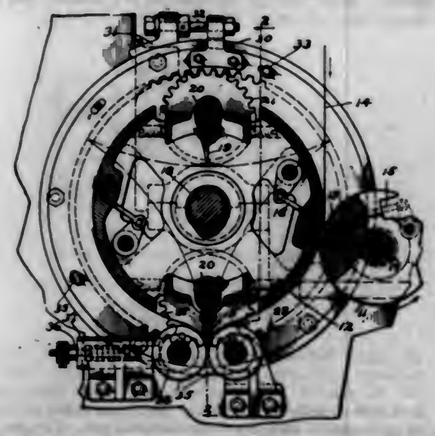


1. A card holder comprising a panel having a row of stitching thereabout, a pair of diagonally disposed straps at two corners of the panel and secured thereto by said stitching.

1,639,947. ART OF MAKING METALLO-ORGANIC COMPOUNDS. CHARLES A. KRAUS and CONRAD C. CALLIS, Worcester, Mass., assignors to Standard Development Company, a Corporation of Delaware. Filed Apr. 13, 1923. Serial No. 631,940. 13 Claims. (Cl. 260—11.)

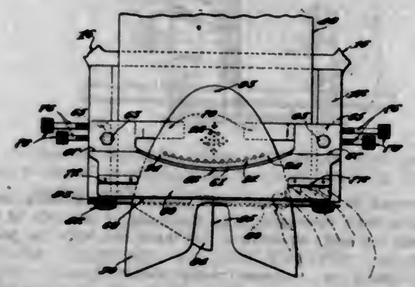
1. The improvement in the art of making tin tetramethyl, which comprises alloying tin with sodium in the proportions of about 86% of tin and 14% of sodium, subdividing the alloy, and reacting upon the alloy with methyl chlorid under pressure at a temperature between about 30° and 100° C. in the presence of zinc as a catalyst.

1,639,948. FOLDING-BLADE-ADJUSTMENT MECHANISM. FREDERICK LAMATSCH, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a Corporation of New York. Filed Nov. 1, 1926. Serial No. 145,585. 3 Claims. (Cl. 270—77.)



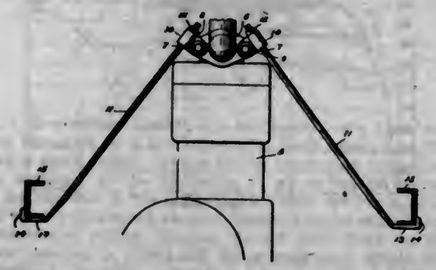
1. In folding mechanism for printing presses and the like, the combination with a suitable supporting frame and folding-off rollers journaled therein, one of said rollers being adjustable toward and away from the other; of a cylinder journaled in said frame adapted to convey paper to be folded to said folding-off rollers, a rotary tucking blade mounted in said last-named cylinder and adapted to tuck paper in between said folding-off rollers, and means for rotating said tucking blade, comprising an internal gear adjustably secured to said frame, a spur gear adapted to engage with said internal gear and operatively connected to said tucking blade, and means adapted to adjust said internal gear rotatorially with relation to said folding-off rollers.

1,639,949. GAUGE FOR PERFORATING MACHINES. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1924. Serial No. 686,817. 9 Claims. (Cl. 164—93.)



1. A gauge for perforating machines comprising a plate having a curved guiding edge and having its forward edge bent upwardly to facilitate the insertion of the work underneath and means for detachably securing said plate in an operative position.

1,639,950. ENGINE BRACE. ALBERT S. LERPER, Kent, Wash. Filed July 7, 1925. Serial No. 41,959. 1 Claim. (Cl. 180—64.)



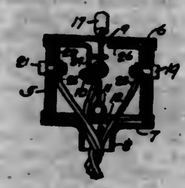
In combination with the chassis of a motor vehicle and an engine carried thereby, of a pair of brace rods having relatively broad angular lower end portions adapted to be caught on the undersides of the chassis frames, offset clips adjustably secured by nuts to the upper ends of said rods, and said clips adapted to be secured to the engine by the radiator pipe connection flange bolts.

1,639,951. RHEOSTAT. ALFRED F. C. LOTZ, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 26, 1925. Serial No. 18,523. 8 Claims. (Cl. 201—55.)

4. In a resistance adjusting device, the combination of a container having a cylindrical wall, resistance material supported on the inner side of said wall, a frame, an axial shaft supporting said frame at one end, a roller journaled at the other end of said frame, a circular contact member interposed between said roller and resistance material, spring means on said frame acting against said roller whereby said contact member is pressed against said resistance material, means on said roller for confining said contact member axially, and terminals connected with said contact member and resistance element, said roller having rolling engagement with said contact member and said contact member having rolling engagement with said resistance material when said frame is revolved.

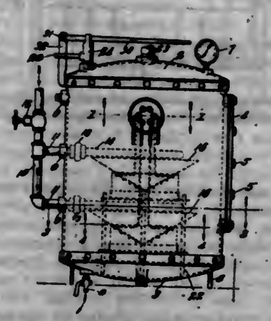


1,639,952. MULTIPLE PLURAL SWITCH. NATHAN R. MATOZA, Memphis, Tenn. Filed Feb. 4, 1926. Serial No. 85,847. 4 Claims. (Cl. 200—6.)



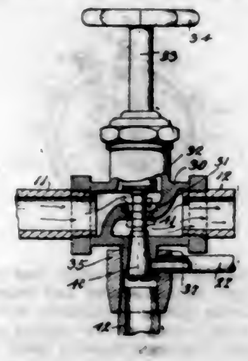
1. A switch, comprising a casing having a plurality of individual contacts therein, and a control lever movable selectively into engagement with said contacts, said lever being bent to helical form, whereby it is yieldingly retained normally in neutral position.

1,639,953. STEAM GENERATOR. PETER J. O. MILLER, Peoria, Ill. Filed Dec. 9, 1925. Serial No. 74,250. 1 Claim. (Cl. 219—38.)



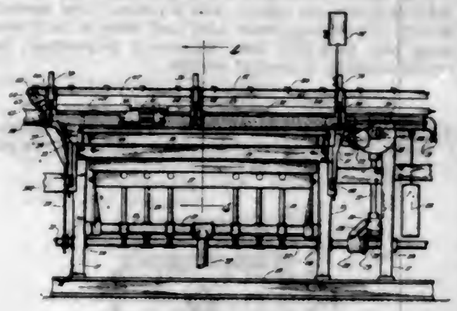
In a generator of the character described, in combination, a casing, a plurality of drip pans arranged in superimposed relation within said casing, an electrical heating coil beneath each pan, means for electrically energizing said coils, nonconductive rests for the respective coils and pans, supporting means for said rests and pans, a water conducting pipe connected with the casing and a perforated pipe in the form of a ring above each pan and connected with said pipe.

1,639,954. TWO-WAY DRAIN VALVE. ARTHUR L. MITCHELL, Dallas, Tex. Filed Mar. 30, 1926. Serial No. 98,466. 2 Claims. (Cl. 251—23.)



1. In a combined hot and cold water drain valve, a valve casing having supply and service pipe connections and an intermediate drain opening, a hot water drain pipe connected to the casing adjacent the drain opening, a main valve in the casing intermediate the supply and service connections, and a drain valve extended from the main valve and operating in the drain opening to close the same and the hot water drain pipe when the main valve is opened.

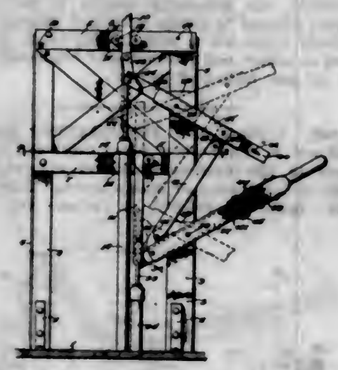
1,639,955. SOLDERING MACHINE. JOHN H. MURCH, East Orange, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed July 13, 1925. Serial No. 43,067. 8 Claims. (Cl. 113—61.)



1. In a soldering machine, the combination of a solder bath receptacle, a solder applying roll adapted to carry solder from said bath and apply the same to the side seam of can bodies or the like, a conveyor for directing the bodies longitudinally of said roll, and a solder horse having supporting and guiding means for said can bodies adapted to have a cooling medium circulated therethrough to prevent undue heating of the can bodies and the mechanism during the soldering operation.

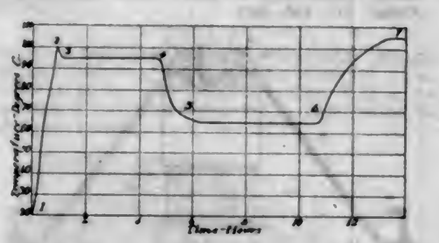
1,639,956. PUMP. JAMES O. NASH, Duke, Okla. Filed Mar. 30, 1926. Serial No. 98,541. 5 Claims. (Cl. 103—215.)

1. In a pumping mechanism, the combination of a plurality of posts, metallic facing strips secured along the said posts, cross bars connecting the posts at their upper ends and at points below their upper ends, filler blocks secured to the inner opposed faces of said cross bars and the posts and having their inner longitudinal edges spaced apart to define guiding slots, a pump rod



mounted to reciprocate through the said guiding slots, and a lever fulcrumed upon the posts at one side of the pump rod and connected at its inner end with the pump rod.

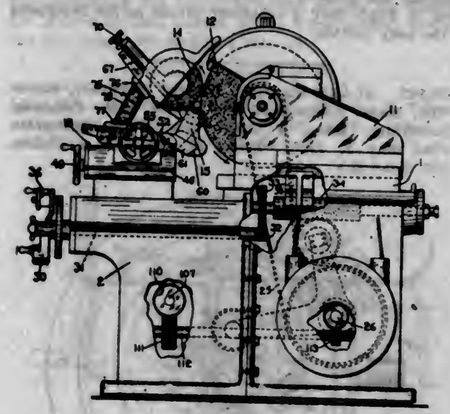
1,639,957. MANUFACTURE OF ALDEHYDE REACTION PRODUCTS OF THE ALDEHYDE DERIVATIVE OF A SCHIFF'S BASE. CLAYTON OLIN NORTH, Talmadge Township, Summit County, Ohio, assignor to The Rubber Service Laboratories Co., Akron, Ohio, a Corporation of Ohio. Filed Mar. 25, 1925. Serial No. 18,316. 7 Claims. (Cl. 260—130.)



2. The process of preparing the aldehyde reaction product of an aldehyde derivative of a Schiff's base, which comprises combining the substantially dehydrated aliphatic aldehyde derivative of a Schiff's base with approximately 16.8% by weight of an aliphatic aldehyde.

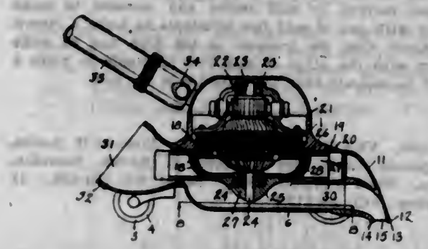
1,639,958. CENTERLESS GRINDING MACHINE. CHARLES H. NORTON, Worcester, Mass., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a Corporation of Ohio. Filed June 28, 1922. Serial No. 571,456. 17 Claims. (Cl. 51—103.)

1. A centerless grinding machine comprising a rotatable grinding wheel, a work regulating wheel rotatably mounted opposite thereto, means to rotate the grinding wheel rapidly and the regulating wheel slowly in order to respectively grind and rotate work positioned therebetween, and a work positioning member arranged and positioned to maintain a piece of work in operative contact with said wheels during the grinding operation, said mem-



ber having an extensive concave cylindrical work positioning surface of substantially the same radius as that of the finished work.

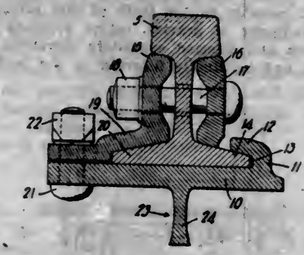
1,639,959. ELECTRIC SUCTION SWEEPER. IRA J. OWEN, Grand Rapids, Mich., assignor, by mesne assignments, to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Oct. 8, 1922. Serial No. 592,036. 6 Claims. (Cl. 230—11.)



1. In a suction cleaner, the combination of a main casing supported on a pair of suitable front wheels comprising a broad intake portion in the lower part contracted in proximity to the fan intake to secure Venturi action, a fan chamber in the upper portion with circular opening at the top and broad annular intake, a motor casing with dish-shaped bottom suitably flanged and fitted to the said opening, a detachable motor supported within the casing, a fan with a dish-shaped body portion conformed to the bottom of said motor casing and having curved radially disposed blades at its periphery and suspended by a depending spindle of said motor within the intake passage, the intake of the fan being defined on the inner side by the dish-shaped body as a broad annular opening, substantially as described for the purpose specified.

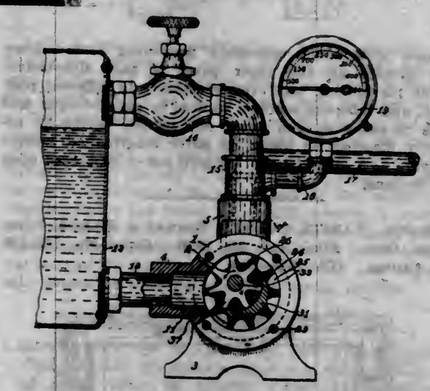
1,639,960. ANTICREEPING JOINT. CHARLES PASCAL, Montreal, Quebec, Canada. Filed Mar. 10, 1926. Serial No. 93,713. 2 Claims. (Cl. 238—195.)

1. In a rail joint for tying together the ends of successive rails independently of the ties in the road bed, a joint base having an upwardly and inwardly extending flange along one side forming a rail base recess and having a downwardly extending flange extending the length thereof and adapted for insertion between and having engagement with adjacent ties to prevent creeping movement of the rails or joint, and a joint plate having a flange adapted to extend over the bases of the rails and



offset downwardly to form an abutment for the rail bases and perforated to form bolt openings registering with holes in said joint base, and adapted to be secured to the latter by bolts and nuts.

1,639,961. SELF-METERING ROTARY PUMP. PETER CHRIS PETERSEN, Cedar Falls, Iowa, assignor to Viking Pump Company, Cedar Falls, Iowa. Filed Aug. 21, 1926. Serial No. 130,665. 4 Claims. (Cl. 103—41.)

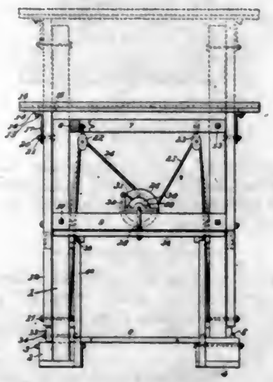


1. In a device of the character described, a reservoir, a rotary pump cylinder in communication with said reservoir and having a discharge passage of a predetermined areal cross section, and intermeshing rotary piston devices mounted within said cylinder, one having one or more discharge passages, each of the same cross sectional area as the first-mentioned discharge passage, said devices being shaped and operative to pump liquid from the cylinder into and through said first-mentioned discharge passage to deliver it metered therefrom at a quantity discharge depending upon the relative number of rotations of said piston devices, the degree of liquid pressure caused to exist within the pump cylinder, and the number and size of any such liquid discharge passages which may be in said devices, said last-mentioned passages being located to periodically communicate with the first-mentioned discharge passage.

1,639,962. ERECTING MACHINE FOR WALL BOARDS. FRANK J. PFIFFNER, Joliet, Ill., assignor of one-half to Jay W. Elliott, Minneapolis, Minn. Filed Dec. 31, 1925. Serial No. 76,634. 1 Claim. (Cl. 304—29.)

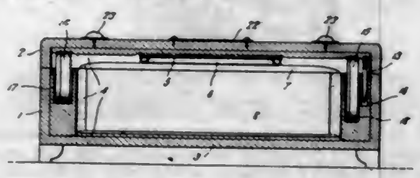
An erecting machine for wall boards, comprising in combination, a basal support, longitudinally spaced pairs of transversely spaced standards fixed upon said support, a slide-beam, slidably mounted between each pair of standards, a connecting device between the upper ends of the standards, pulleys supported on the end parts of said

connecting device, spaced bars connecting the middle parts of said standards, a winding drum rotatably mounted on and between said bars, a ratchet-wheel mounted on one end of said drum, a pawl rockably mounted upon one of said bars to movably engage teeth of said ratchet-wheel under the influence of gravity, cables attached to said winding drum and directed oppositely therefrom around said pulleys and terminally fastened to the lower parts



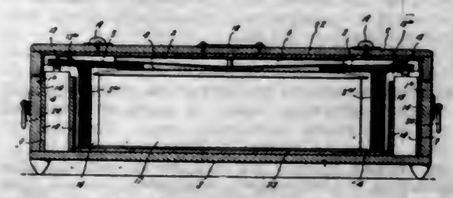
of said slide-beams, oppositely projecting arms adjustably pivoted on the upper parts of said slide-beams, means for holding said arms releasably in different positions, and table-top sections secured in parallel upon said arms to swing up and down, one section having an upwardly directed rib along its outer longitudinal margin to serve as a stop thereon for wall board supported upon the sections.

1,639,963. VANITY CHEST. THOMAS J. PILLIOD, Swanton, Ohio. Filed Apr. 28, 1926. Serial No. 105,239. 4 Claims. (Cl. 132—79.)



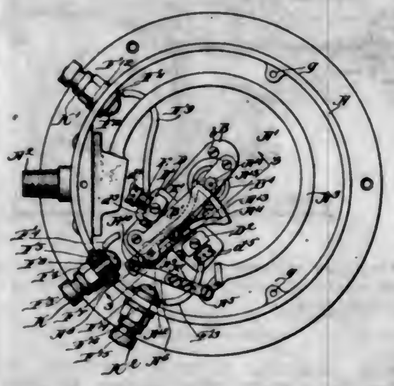
1. A vanity chest of the character described, comprising a body portion; a cover hinged to said body portion; a mirror positioned in said cover; a frame for said mirror adapted to rest against and firmly hold a container, placed in said body portion, when the cover is closed.

1,639,964. CABINET. THOMAS J. PILLIOD, Swanton, Ohio. Filed Nov. 19, 1926. Serial No. 149,429. 3 Claims. (Cl. 206—1.)



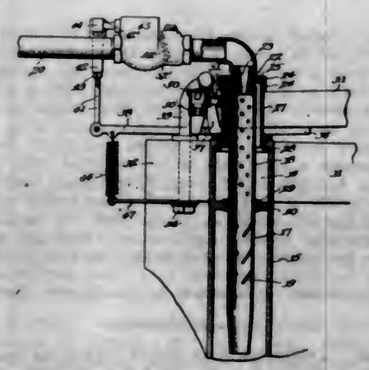
3. In a cabinet, the combination of a body portion comprising a receptacle; a cover comprising a receptacle; a resilient padding applied to the bottom of the body portion; a second resilient padding applied to the cover; and means for retaining articles in the cover, the parts being so proportioned and related that the two resilient paddings are adapted to co-act with the articles in the cover to firmly hold a container placed in the receptacle in the body portion.

1,639,965. ALARM GAUGE. WALTER F. PRIEST, Somerville, Mass., assignor to The Ashton Valve Company, Cambridge, Mass., a Corporation of Massachusetts. Filed May 2, 1925. Serial No. 27,418. 6 Claims. (Cl. 200—81.)



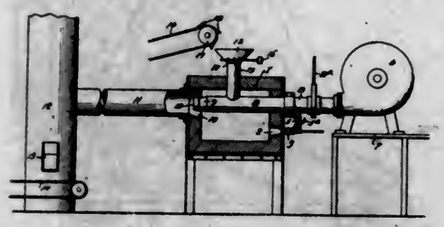
1. A gauge of the character described comprising pressure indicating means including a sector; two longitudinally movable electric terminals; and a third electric terminal carried by said sector and movable to make contact with one of said two terminals to make a circuit to indicate that the pressure is too high and to make contact with the other of said two terminals to make a circuit to indicate that the pressure is too low.

1,639,966. VENTILATING CLOSET. EDWARD H. RAPER, Mapleton, Iowa, and CHARLES E. RAPER, Sheridan, Wyo. Filed Aug. 28, 1924. Serial No. 734,605. 11 Claims. (Cl. 4—215.)



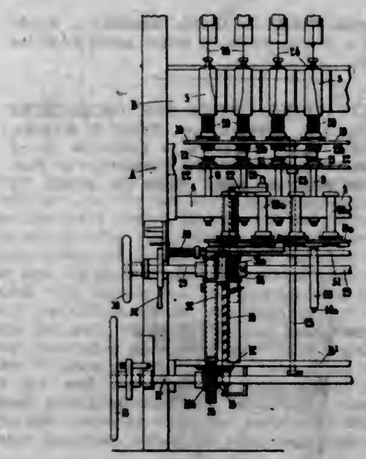
1. The combination with a water closet bowl and the waste pipe of the closet, of a ventilating chamber communicating with the bowl, a seat for said bowl, means for creating suction through said chamber to withdraw foul air from the bowl comprising a perforated tube mounted within the chamber, a supply pipe communicating with said tube, a valve for controlling the supply to said tube, means operatively connected to said seat and said valve for causing fluid to flow through said tube when the seat is lowered, and means communicating with the atmosphere and connected to the ventilating chamber for preventing back suction of the liquid passing through the tube when the supply is shut off.

1,639,967. DRYING APPARATUS. EDWARD C. READER, Cleveland, Ohio. Filed Sept. 10, 1925. Serial No. 55,439. 5 Claims. (Cl. 34—7.)



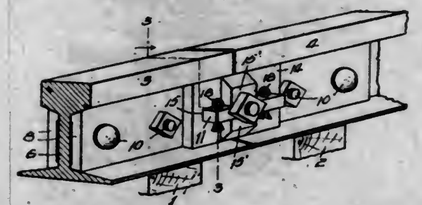
1. An apparatus of the character described comprising in combination a heating chamber, a conduit leading from said chamber, a conduit extending into said chamber and having its delivery end aligned with the adjacent end of the first mentioned conduit, means for delivering material to be dried into said second mentioned conduit, means forcing a drying fluid through said second mentioned conduit, and means for imparting a whirling motion to the fluid delivered from said second mentioned conduit into the first conduit and for throwing such fluid outwardly against the inner wall of said first mentioned conduit.

1,639,968. DOFFING MECHANISM FOR SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES. ARTHUR RHODES and CLIFFORD RHODES, Keighley, England. Filed Dec. 28, 1926, Serial No. 157,455, and in Great Britain Nov. 28, 1925. 7 Claims. (Cl. 118—18.)



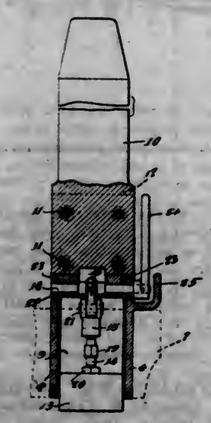
1. In doffing mechanism for spinning, doubling and like machines, a spindle, a rail upon which said spindle is fixed, a screw for raising and lowering said rail and spindle, means for actuating said screw, a driving pulley or wharle mounted to revolve on said spindle, means for transmitting motion to said wharle, a tube for supporting a bobbin mounted upon said spindle and arranged to engage with said wharle, said bobbin, a rail for supporting the tube and the bobbin above the wharle, devices for removing and retaining said rail and its tube, a lifter rail for supporting the wharle and the tube with which it engages, means for actuating said lifter rail, a cap mounted upon the upper end of the spindle, devices for engaging said cap and supporting same when the spindle is withdrawn, a second rail for supporting another tube, devices for carrying said second rail and placing same into alignment with the spindle above the wharle and means for engaging the thread in order to sever same and cause it to encircle the bobbin.

1,639,969. RAIL JOINT. DAVID REES RICHARDS, St. Louis, Mo. Filed Dec. 15, 1925. Serial No. 75,515. 3 Claims. (Cl. 238—182.)



1. In a rail joint construction, a pair of rails each having the confronting end of its web provided with an open ended slot in register with the other, a pair of fish plates secured to the rails and each provided with a slotted opening in register with the slots in the rail webs, a splice key receivable in said slots to hold the rails in true alignment, a washer having a slotted opening mounted upon one end of the splice key, a pair of spaced bosses directed from the outer face of the washer and disposed above and below the slotted opening, a head for one end of the splice key, a screw threaded shank extending from the opposite end of the splice key and a securing nut carried by said screw threaded shank and engaging said bosses for securing the splice key in position.

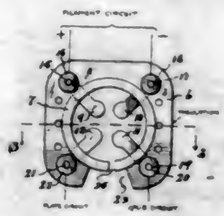
1,639,970. TRUCK STAKE AND MOUNTING THEREFOR. DANIEL W. RIDDLE, Maywood, Calif. Filed July 25, 1925. Serial No. 46,109. 1 Claim. (Cl. 296—43.)



A truck stake and mounting therefor comprising a socket member having a bore smaller at the upper end than at the lower end and provided with an outwardly

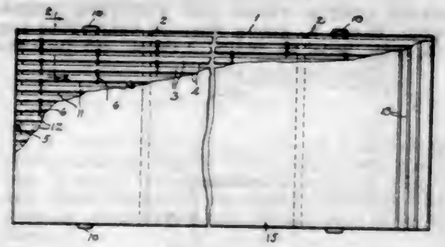
extending flange adapted for securing to a truck body, a member having a split portion adapted to be inserted in the socket when said portion is contracted, a standard connected with the second mentioned member, a wedge block slidable in the split portion to expand the same, an operating member, a coupling inside of the split portion, means operable by movement of the operating member to shift the coupling lengthwise of the split portion, and means adjustably connecting the coupling and wedge block for adjustment of the wedge block along the split portion relative to the coupling.

1,639,971. SOCKET FOR RADIO VACUUM TUBES. CARL SAENGER, Irvington, N. J. Filed Oct. 17, 1924. Serial No. 744,140. 5 Claims. (Cl. 173—328.)



1. In a socket device for radio vacuum tubes provided with contact connections for an input or grid circuit and contact connections for an output or plate circuit a socket body of dielectric material discontinuous between said first mentioned contact connection and said last mentioned contact connection, whereby surrounding air becomes the only dielectric path directly between the former and latter contact connections.

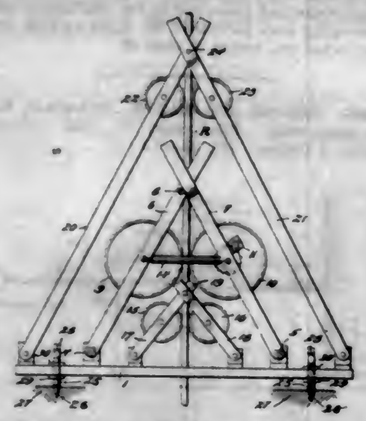
1,639,972. MACHINE FOR MAKING ORNAMENTAL CRUSHED LININGS. HOWARD A. SLITER, Los Angeles, Calif. Filed Apr. 2, 1924. Serial No. 703,833. 12 Claims. (Cl. 223—52.)



7. In a device of the character described, a plurality of angle bars having a vertical web, spaced upstanding portions formed on said vertical web, means for slidably securing said bars one to the other, a plurality of weight members adapted to be positioned on said bars between said upstanding portions, and a plurality of pins positioned along said bars adjacent said vertical webs.

1,639,973. APPARATUS FOR MEASURING DEPTHS OF WELLS. CHARLES E. VAN ORSTRAND, Washington, D. C. Filed June 8, 1926. Serial No. 114,594. 7 Claims. (Cl. 33—134.)

1. In an apparatus for measuring depths of wells, a support, a pair of frames, hinges connecting said frames to said support, said frames being constrained to substantially vertical-plane movement, a flat-faced wheel on each frame at substantially the same distance from the hinges connecting the respective frames to the support,



said frames being adapted to swing toward each other and grip a cable between the flat faces of said wheels, and registering means upon one of said wheels.

1,639,974. ROLLER CLUTCH. CIPRIANO ANDRADE, Jr., New York, N. Y. Filed July 12, 1924. Serial No. 725,549. 3 Claims. (Cl. 192—45.)

3. In a roller clutch; a driving member; a driven member; and a locking roller of softer metal than the driven member.

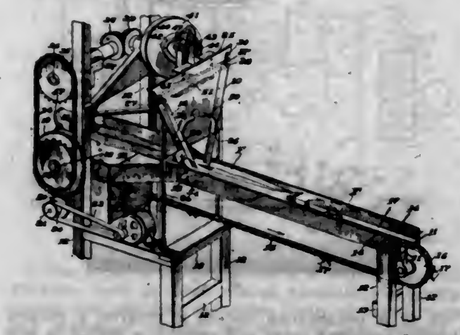
1,639,975. ATTACHING DEVICE FOR RECEPTACLE BAILS. JULIUS C. ANDRESEN and HENRY F. MARTEN, San Francisco, Calif., assignors to California Barrel Company, San Francisco, Calif., a Corporation of California. Filed Mar. 25, 1926. Serial No. 97,287. 2 Claims. (Cl. 217—126.)



1. In combination with a receptacle having on its exterior at opposite sides a keef, with a depth less than the thickness of the receptacle wall, an embracing hoop crossing said keefs, a bail member, and a suspension link seated in each of said keefs behind the hoop, said links
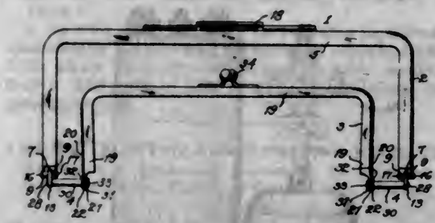
each provided on its upper end with an eye for resting on the upper edge of the hoop and each at its lower end engaging the lower edge of the hoop, and the eyes receiving the bail member, said grooves and said links being arcuate.

1,639,976. FISH-CUTTING MACHINE. JAMES BARRY, Medford, Mass. Filed Mar. 22, 1927. Serial No. 177,272. 21 Claims. (Cl. 17—4.)



1. A fish cutting machine, comprising in combination, means for advancing a fish toward the cutting position, knives mounted for reciprocatory movement toward and from their cutting position, means operable in timed relation with the fish advancing means for moving the knives into position to cut a slab of meat from each side of the fish, and additional means for advancing the knives towards each other during the cutting operation.

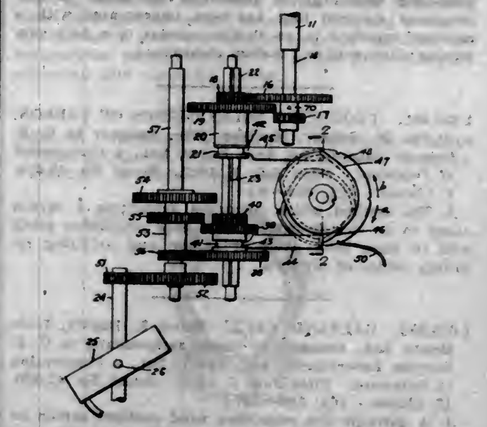
1,639,977. BAG FRAME. AUGUST BELLINGRATH, East Orange, N. J., assignor to August Goertz & Co., a Corporation of New Jersey. Filed Dec. 21, 1923. Serial No. 681,930. 6 Claims. (Cl. 150—29.)



1. A two-part bag-frame comprising an outer and an inner frame, said outer frame consisting of a pair of frame-sections, the ends of the leg-portions of said frame-sections being slotted, the adjacent end-portions of each leg-portion being provided with oppositely extending pintle-receiving eyes, connecting plates arranged in the slots of said leg-portions, each connecting plate being provided with perforations in alinement with the eyes of said leg-portions, pintles extending through said alined eyes and perforations, a connector stem extending from each connecting plate, said inner frame consisting of a pair of frame-sections, and the ends of the leg-portions of the said last-mentioned frame-sections being provided with perforated ears oscillatorily mounted upon the said connector stems for oscillatorily disposing the inner bag-frame within the outer bag-frame.

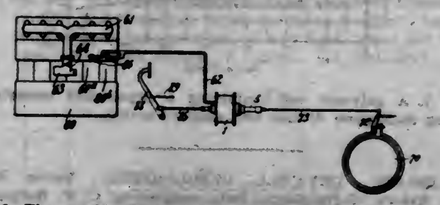
1,639,978. TACHOMETER. EUGEN BLUM, Valley Stream, N. Y., assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Feb. 3, 1926. Serial No. 366,004. 1 Claim. (Cl. 74—58.)

In a tachometer, a driving shaft, a driven shaft, a free running shaft disposed between said shafts, variable transmission members disposed on said free running shaft for longitudinal movement thereon relative to the component members for varying the rate of transmission between the driving and driven shafts, a pair of arms disposed in substantially parallel spaced relation and engaged each at one end with certain of said transmis-



sion members for imparting movement thereof on said intermediate shaft upon movement of said arms, a plurality of cams disposed between said arms and in engagement with the opposite ends of said arms, and means for selectively actuating said cams for selective movement of said transmission members through the medium of said arms.

1,639,979. MEANS FOR PROVIDING SUCTION FOR OPERATING POWER ACTUATORS. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Nov. 25, 1925. Serial No. 71,270. 9 Claims. (Cl. 123—198.)



1. The combination with an internal combustion engine of the four cycle type, provided with a suction passage for supplying explosive charges to the engine, of a sucton actuated device comprising a cylinder, a piston therein, and controlling valve mechanism, and a suction pipe extending from the cylinder of the suction actuated device and connected to a cylinder of the engine adjacent to the position of the piston head therein, when said piston has moved far enough on its suction stroke to produce rarefication within the cylinder greater than that existing in the charge supplying suction passage.

1,639,980. ELECTROCHEMICAL PRODUCTION OF SOLID OXIDES OF CARBON. BRUCE K. BROWN, Terre Haute, Ind., assignor to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,091. 15 Claims. (Cl. 204—6.)

10. The method of producing oxide of carbon solid under normal conditions consisting essentially of submitting carbon anodes to an electric current in an electrolyte containing about 30% nitric acid by weight.

1,639,981. PRODUCING OXIDIZED CARBON. OLIVER W. STOREY and GORDON T. COLLINSON, Madison, Wis., assignors to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,111. 17 Claims. (Cl. 204—9.)

12. The method of producing pulverous, oxidized carbon consisting essentially of submitting an anode of carbonaceous material that has been impregnated with a moisture repellant to an electric current in a bath containing nitric acid and sodium dichromate.

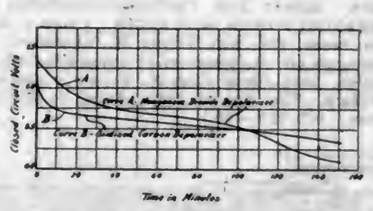
1,639,982. PRODUCING SOLID OXIDES OF CARBON. OLIVER W. STOREY, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,028. 7 Claims. (Cl. 204—9.)

1. The method which comprises submitting a carbon anode to an electric current in a bath containing nitric acid to form solid oxide of carbon and oxidizing resulting oxides of nitrogen.

1,639,983. GALVANIC CELL. BRUCE K. BROWN, Terre Haute, Ind., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,090. 17 Claims. (Cl. 136—137.)

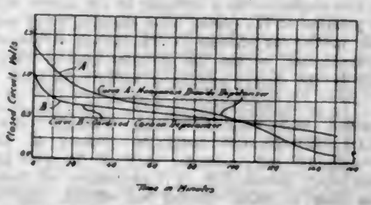
1. A galvanic cell containing solid oxidized carbon as a depolarizer.

1,639,984. DRY CELL. BRUCE K. BROWN, Terre Haute, Ind., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del., a Corporation of Delaware. Filed July 7, 1925. Serial No. 42,092. 12 Claims. (Cl. 136—137.)



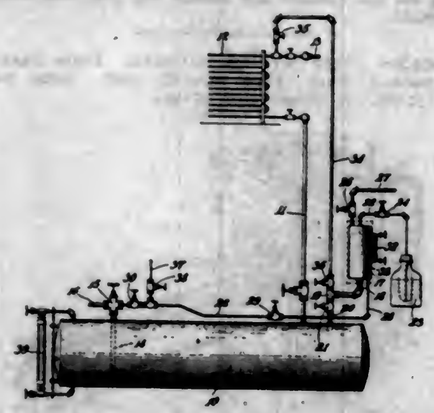
1. A galvanic cell containing a depolarizer comprising manganese dioxide and oxidized carbon.

1,639,985. DRY-CELL DEPOLARIZER. BRUCE K. BROWN, Terre Haute, Ind., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a Corporation of Delaware. Original application filed July 7, 1925. Serial No. 42,092. Divided and this application filed July 7, 1926. Serial No. 120,891. 3 Claims. (Cl. 136—139.)



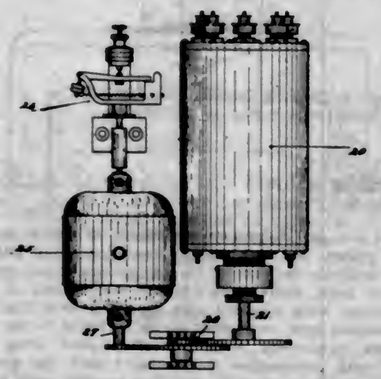
1. The method of making a pure depolarizer which comprises the steps of oxidizing carbonaceous material and then chemically precipitating manganese dioxide onto suspended particles of said oxidized material, substantially as described.

1,639,986. REFRIGERATING APPARATUS. WILLIAM W. CONNER, Sewaren, N. J. Filed July 14, 1926. Serial No. 122,291. 11 Claims. (Cl. 62—115.)



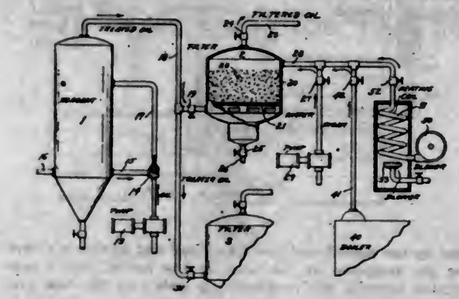
10. In a refrigerating system, a receiver, a purging chamber supported above said receiver, a cooling in said chamber, means for supplying refrigerant to said cooling coil, a conduit of materially less cross section than said chamber connecting the bottom of said chamber and the top of said receiver, means for conducting incondensible gases from the high pressure portion of said system to said chamber, and a vent from said chamber for uncondensed gases.

1,639,987. ELECTRICAL CONTROL SYSTEM. RICHARD C. COUPLAND, U. S. Army, Dayton, Ohio. Filed May 13, 1926. Serial No. 106,977. 8 Claims. (Cl. 177—353.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a system of electrical control, a receiving apparatus comprising relatively movable primary and secondary members, resilient means connecting the said members for simultaneous operation, impulse-responsive means and means controlled thereby for moving the primary member at a constant rate during the duration of the impulse, a travelling contact carried by the secondary member, a plurality of stationary contacts adapted to be traversed by the travelling contact, means for locking the secondary member upon arrival at each stationary contact, and means controlled by the primary member for releasing the secondary member at the termination of a predetermined amount of travel of the primary member after the travelling contact has become locked in contact with each stationary contact.

1,639,988. PROCESS OF PURIFYING PETROLEUM PRODUCTS. SAMUEL J. DICKEY and RAYMOND C. WHEELER, Los Angeles, Calif., assignors to General Petroleum Corporation of California, a Corporation of Delaware. Filed Apr. 19, 1924. Serial No. 707,619. 4 Claims. (Cl. 196—147.)

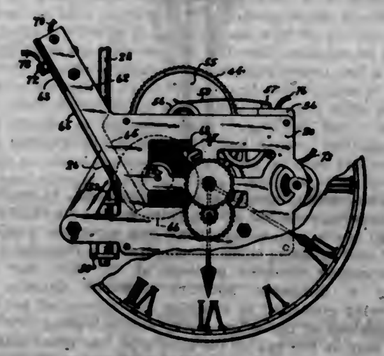


1. The steps in the production of a neutral petroleum distillate from an acid treated distillate, comprising: settling and removing the coarse sludge produced by the acid treatment, passing the acid distillate through a pack of dried sand retained in a substantially closed vessel for the removal of fine sludge particles, continuing such filtration until the sand pack ceases to function by becoming internally coated with sludge, discontinuing the filtration, draining the free oil from the vessel, washing out the sludge with steam, and drying the sand by the passage therethrough of a current of air, thereby bringing said sand into condition for re-use without removing the sand from its operating position in the vessel.

1,639,989. ALLOY STEEL AND METHOD OF MAKING IT. CHARLES TYNDALE EVANS, Titusville, Pa. Filed Apr. 18, 1922. Serial No. 555,280. 4 Claims. (Cl. 75—1.)

1. An alloy steel comprising the following ingredients in substantially the following percentages: chromium 3.50 to 7.75; nickel 10 to 20; carbon 0.40 to 1.00; manganese 0.40 to 2.50; silicon 0.50 to 2.50; the remainder being principally iron.

1,639,990. ELECTRIC CLOCK-WINDING MECHANISM. FREDERICK A. FELDKAMP, Newark, N. J. Filed Dec. 23, 1925. Serial No. 77,203. 6 Claims. (Cl. 58—40.)



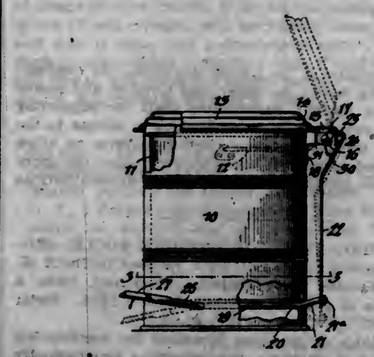
1. In a spring actuated clock, an electric spring winding means including a service circuit therefor, a plurality of switch means connected in series in said circuit; one of said switch means comprising a movable contact element, transmission means actuated by the clock spring for operating said movable contact element, a cooperative normally stationary contact element, means actuated by the spring winding means to move said latter contact element in the direction of movement of said movable contact element, means to temporarily separate said contact elements when the clock spring is in fully wound or rewound condition; the other switch means comprising normally separated contact members, actuating means to intermittently close and open said contact members, and transmission means also actuated by the clock spring for operating said actuating means.

1,639,991. DEMOUNTABLE RIM. FREDERICK WILLIAM FRENCH, Oakland, Calif. Filed Oct. 2, 1923. Serial No. 666,177. 1 Claim. (Cl. 301—11.)



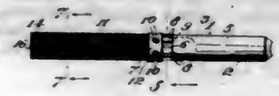
A vehicle wheel having a fixed rim and a resilient, demountable, non-split rim encircling the fixed rim, the said fixed rim having an obliquely disposed flange extending outwardly from one side thereof and forming a support for one side of the demountable rim, said rims having medially disposed interlocking structures comprising rounded depressions in the inner face of the demountable rim and rounded projections upon the outer face of the fixed rim, said rounded projections being adapted to engage the depressions when the demountable rim is moved across the fixed rim and sprung radially, and said structures cooperating with the said flange to prevent lateral bodily movement of the demountable rim in either direction.

1,639,992. SANITARY WASTE CAN. JOHN F. GRIEBL, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a Corporation of New York. Filed Oct. 7, 1925. Serial No. 60,949. 8 Claims. (Cl. 220—36.)



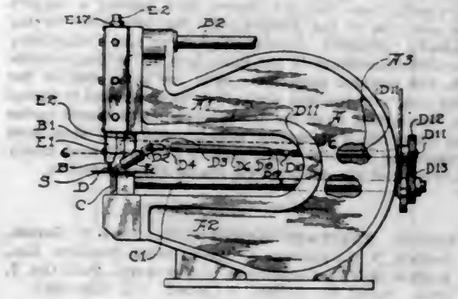
6. A device of the character described, comprising a can-body, a cover therefor, hinge members including a pivot pin applied to the can-body and its cover, foot-operated means for raising the cover, and a flat spring carried by the cover hinge member and extending downwardly around said pivot, the free lower end of said spring being normally clear of the adjacent part of the can-body and adapted to engage such part only in the open position of the cover to yieldingly resist its opening beyond a predetermined point.

1,639,993. PROTECTOR MEANS OR GUARD FOR CIGARETTE HOLDERS. DUMITRU GOLOGAN, Newark, N. J. Filed Apr. 1, 1924. Serial No. 703,351. 1 Claim. (Cl. 131—51.)



The combination with a cigarette holder, of a guard member comprising a tube formed of wire mesh, said tube having one end open and adapted to be removably connected to the cigarette holder, the tube being provided at its opposite end with a plurality of triangular tabs bent at right angles to the longitudinal axis of the tube and forming a closure for the tube at said end.

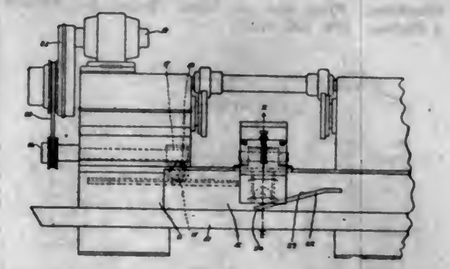
1,639,994. MACHINE FOR CUTTING SHEET-FORM MATERIAL. CHARLES B. GRAY, Philadelphia, Pa. Filed Mar. 15, 1923. Serial No. 625,327. 17 Claims. (Cl. 164—49.)



3. In a machine of the nature described, the combination of cutting means, an upper feed member, and means comprising an upright, reciprocable shaft for supporting said member rotatably on an axis which is oblique to the sheet plane, said shaft being yielding endwise to allow said upper feed member to bear yieldingly upon the upper face of a sheet resting in the sheet plane, substantially as described.

1,639,995. TOOL FEED FOR MACHINE TOOLS. WILLIAM F. GROENE, Cincinnati, Ohio, assignor to The R. K. Leblond Machine Tool Company, Cincinnati, Ohio, a Corporation of Delaware. Filed May 23, 1924. Serial No. 715,487. 3 Claims. (Cl. 82—2.)

1. In a device of the class described the combination with a lathe bed, having a way extending longitudinally thereof, of a carriage reciprocally mounted in the way, means for reciprocating the carriage in the way, a cam bar carried by the carriage, a second carriage mounted on the lathe bed, a shaft carried by the second carriage and having its axis extending longitudinally of the bed, the axis of said shaft being disposed below the center of work to be received by the lathe and adjacent the vertical plane extending through the center of such work, a tool holder having a pivotal mounting on the shaft and having a threaded bore, a screw extending adjustably through the threaded bore and adapted to be locked against movement relative to the tool holder, the screw having a semi-globular head at its lower end, a reciprocating slide carried by the second mentioned carriage and having a socket for the reception of the head on the screw, and a connection between the reciprocating slide and the cam bar.

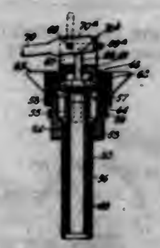


1,639,996. DIATHERMY KNIFE. SUTTON H. GROFF, Long Beach, Calif. Filed Oct. 27, 1926. Serial No. 144,542. 3 Claims. (Cl. 174—39.)



1. A diathermy knife comprising an electrode, and a blade thereon having a relatively sharp cutting edge, whereby current from the electrode will be concentrated along the cutting edge and the burning of tissue effected as the blade penetrates to permit the removal of the tissue without bleeding.

1,639,997. INLET-VALVE MECHANISM. PHILIP HAAS, Dayton, Ohio. Original application filed Mar. 16, 1926, Serial No. 95,007. Divided and this application filed Nov. 23, 1926. Serial No. 150,267. 3 Claims. (Cl. 137—104.)



1. The combination with a flushing tank, of an inlet pipe therefor, provided with a valve seat at its extremity, an inlet valve casing comprising two separable members, one of said members being provided with a threaded aperture engaging threaded portions of the inlet pipe and having a discharge aperture adjacent thereto, an inlet valve consisting of a flexible disc interposed between the members of the valve casing and extending over the valve seat on the end of the inlet pipe, the other member of the valve casing being provided with means for depressing the valve upon said seat, means for connecting the said casing members permitting a relative rotation of one of said members with respect to the other, and a float actuated lever operatively connected with the valve casing, and adapted to engage the valve actuating device

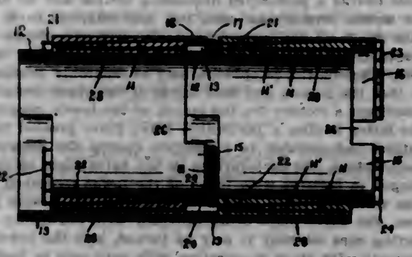
therein, whereby, by rotating said first mentioned valve casing member with respect to the inlet pipe the location of the valve seat with respect to the valve may be adjusted.

1,639,998. VALVE BASE FOR PNEUMATIC TIRES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Jan. 27, 1917. Serial No. 144,911. 1 Claim. (Cl. 152—13.)



A tube for pneumatic tires, said tube having rim side re-inforcing fabric embedded therein, and also having fabric patches embedded therein inwardly and outwardly from the rim side re-inforcing fabric in a radial direction to form a valve base, substantially as set forth.

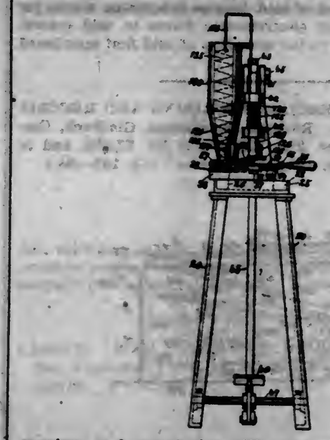
1,639,999. SEWER PIPE. OMAR R. HUMPHREYS, Omaha, Nebr. Filed Feb. 6, 1926. Serial No. 86,604. 2 Claims. (Cl. 72—53.)



1. A sewer pipe section comprising a substantially cylindrical body portion having a deep flange at one end and a shallow flange at its other end, said flanges extending axially from the body portion and each composed of a substantially semi-circular section of large radius and a semi-circular section of small radius, and the sections of large and small radius being disposed to opposite sides of the body portion at opposite ends, the shallow flange having gaps between the ends of its semi-circular sections, and bridge portions arranged at an angle between the ends of the semi-circular sections of the deep flange, whereby in interlocking a sewer pipe section with a section already in place the end with the shallow flange may be fitted over the deep flange section of small diameter and guided into position by said inclined bridge portions.

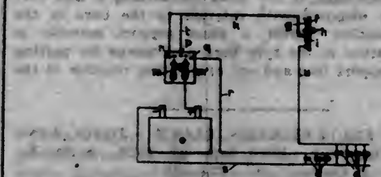
1,640,000. POWDER PRESS. WILLIAM G. KENDALL, Newark, N. J. Filed Apr. 14, 1924. Serial No. 706,379. 5 Claims. (Cl. 226—71.)

1. In a powder press the combination of a rotatable disc having openings, a charging barrel adjacent to said disc for a plurality of receptacles, a pusher arm with a pusher blade adapted to swing under said barrel and push the receptacles one after the other in position below the openings in the disc, flexible means below the disc to force the said receptacles one after the other into the lower portions of said openings, means to charge said



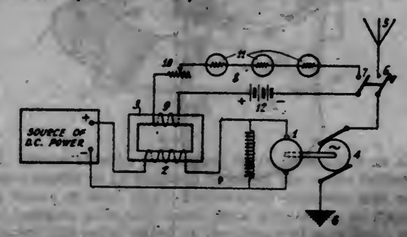
openings and receptacles with a powder to be operated upon and means to compress the powder into said receptacles to form tablets therefrom.

1,640,001. DEVICE FOR RENDERING ADVERTISEMENTS LUMINOUS BY THE OPENING OR CLOSING OF DOORS. VIKTOR MAX KOLBE, Berlin, Germany. Filed Nov. 1, 1926, Serial No. 145,647, and in Germany June 8, 1925. 2 Claims. (Cl. 40—130.)



1. In combination with a door, an illuminated advertising device comprising in combination, two electric circuits including a source of current for said circuits, a plurality of lamps in each circuit, a circuit-controlling mechanism in one of said circuits, said mechanism being closed when said door is open, and a double-pole switch, said switch when in one position connecting both of said circuits with said source, and when in a second position connecting only one of said circuits with said source.

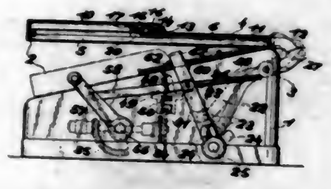
1,640,002. SPEED REGULATOR FOR HIGH-FREQUENCY GENERATING SETS. MARIUS LATOUR, Paris, France, assignor to Latour Corporation, Jersey City, N. J., a Corporation of Delaware. Filed May 17, 1923, Serial No. 639,707, and in France June 19, 1922. 4 Claims. (Cl. 171—119.)



1. In combination with a transmission circuit, a dynamo coupled to said transmission circuit, a motor for driving said dynamo, a control circuit for said motor, means

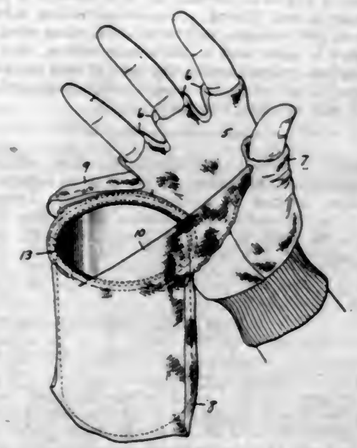
for varying the current introduced into said transmission circuit by said dynamo to send a signal, and means for controlling the speed of said dynamo comprising means for impressing transient electromotive forces in said control circuit in response to the operation of said first mentioned means.

1,640,003. COMMERCIAL INSCRIBING AND RECORDING MACHINE. RICHARD LEYSIEFFER, Gladbach, Germany. Filed Dec. 28, 1925, Serial No. 77,995, and in Germany Oct. 24, 1924. 15 Claims. (Cl. 101—94.)



1. In a record inscribing apparatus, in combination, a casing, a bank of parallel slidable type bars each bearing printing characters on one of its faces and each having a face exposed exteriorly of the casing and provided with surfaces equal in number to the printing characters for the engagement therewith of a scriber or like manually manipulable implement, whereby said type bars may be adjusted to bring any printing characters thereof into printing position, and a registry with characters of other similarly adjusted bars of the bank for setting a line text transversely disposed with relation to the bars in the adjusted position thereof, a sheet support movable in parallel relation to the type bars, and means for moving the sheet support into and out of printing relation to the type bars.

1,640,004. FRUIT-PICKER'S GLOVE. JULIUS LUNDBLAD, Jelly, Calif. Filed Sept. 27, 1926. Serial No. 138,007. 1 Claims. (Cl. 224—28.)



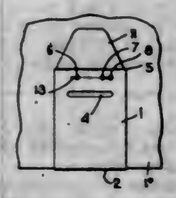
In a hand appliance for use by fruit pickers, a glove including a wrist band, a body portion connected with said band, and individual finger stalls connected to the body portion, the stall for the little finger being complete and enclosed at its outer end, the stalls for the remaining fingers and thumb being open to allow the latter to pass through and beyond the open end, an open top collection and receiving pouch having a portion of the top edge connected with the little finger stall and palm portion of said body, and a connecting and supporting web connected with the upper end of the pouch and with the palm and thumb stall.

1,640,005. CONDIMENT SHAKER. FRANK E. MILLER, Boston, Mass. Filed Feb. 12, 1927. Serial No. 167,718. 1 Claim. (Cl. 65—45.)



A condiment shaker composed of an upper receptacle having a perforated dispensing top and elsewhere closed, said receptacle including a closed bottom and a base flange projecting downwardly therefrom and formed to support the receptacle in an upright position, and a lower receptacle having a perforated dispensing bottom and an annular mouth forming an open top, and adapted to fit the base flange of the upper receptacle, said base flange and mouth being provided with complemental coupling members, whereby the receptacles may be separably connected, so that the bottom and base flange of the upper receptacle constitute a closure for the mouth of the lower receptacle, the latter having a perforated valve plate pivoted to its bottom and movable to a position closing the dispensing perforations, the perforations in the valve plate being arranged to register with those of the lower receptacle bottom when the valve plate is moved from the closing position, the valve plate being provided with outwardly projecting ears whereby it may be turned, and the lower receptacle with stops cooperating with said ears in limiting the turning movements of the valve plate, said ears projecting downwardly from the plate and constituting feet adapted to support the lower receptacle above a table on which said ears bear.

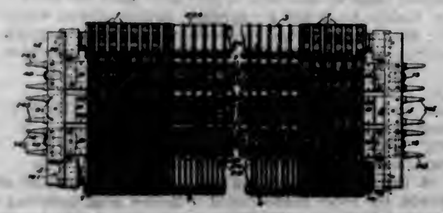
1,640,006. MARKING TICKET. JOHN G. MORAN, Brooklyn, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Oct. 11, 1924. Serial No. 743,023. 2 Claims. (Cl. 40—25.)



1. A marking ticket for attachment to goods by means of an ordinary headed pin comprising two connected foldable main flaps adapted to receive between them the

article to be marked; the first main flap having a transverse slot and, between its free end and said slot, three aligned apertures; the second main flap having two apertures juxtaposed to the central and one end aperture of the first main flap when the flaps are in folded position; and a covering flap connected with the free end of the first main flap, foldable thereupon over the three apertures and shaped to enable it to be passed through said slot and extend between the main flaps, whereby, when the ticket is folded upon the interposed goods and a pin is passed through the juxtaposed apertures, the head of the pin will lie in the third aperture in the first main flap and will be covered at one side by the second main flap and at the other side by the covering flap.

1,640,007. PAPER-MAKING MACHINE. JOHN MORAVEC, Vancouver, British Columbia, Canada. Filed Nov. 19, 1925. Serial No. 70,036. 32 Claims. (Cl. 92—51.)



1. In a paper-making machine, a suction-box table and a drive-roll, in combination with a carrier for supporting a wire-screen apron, mounted on the drive-roll and arranged to be driven over said table, said carrier comprising a series of unconnected chains.

1,640,008. COMBINED SIGNAL-LAMP CASING. ROBERT W. NORRIS, Birmingham, Ala. Filed July 31, 1925. Serial No. 47,347. 2 Claims. (Cl. 177—329.)



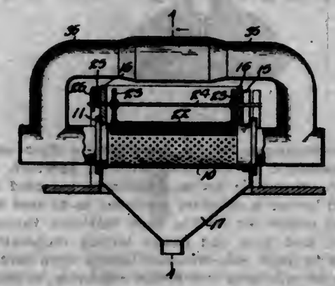
1. A combined signal lamp casing comprising a plate having a depending web for supporting a number plate, a plurality of lamp housings mounted in said plate, one of said housings having a slot in its lower side for illuminating the number plate, and a detachable hood for said slotted housing, said hood having a slot in its side adapted to register with the slot in said housing.

1,640,009. BOTTLE CLOSURE AND THE LIKE. FABRAIC K. PLYMPTON, Wellesley, Mass., assignor, by mesne assignments, to Naomi D. Plympton, Brewster, N. Y. Filed Sept. 15, 1922. Serial No. 588,379. 2 Claims. (Cl. 215—51.)

1. A closure comprising a thin disk and an extractor attachment of hair-pin form, said attachment having an inwardly-extending bail-like handle with side limbs slightly embedded at the top surface of the disk and relatively depressed opposite shoulders embedded in portions of the full thickness of the disk, and said disk having a depression between said embedded shoulders below an intermediate portion of the cross-bar of the handle.



1,640,010. RICE SEPARATOR. ANTON A. SCHOENEGG, San Francisco, Calif. Filed Feb. 20, 1926. Serial No. 89,719. 6 Claims. (Cl. 209—285.)



2. In a separating device for grain or the like, a rotary suction drum having perforations for the passage of minor impurities, means for feeding the material to be cleaned to the upper side of the drum, and mechanical agitating means close to the outer periphery of the drum, substantially as set forth.

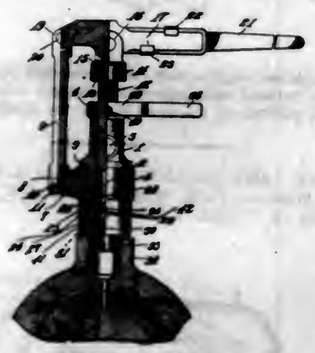
1,640,011. METALLIC CONSTRUCTION FOR SERVING TRAYS, FRAMES, AND THE LIKE. HERMAN SOMMERFLECK, New York, N. Y. Filed Mar. 26, 1926. Serial No. 97,519. 2 Claims. (Cl. 65—53.)



1. Corner sheaths for serving trays comprising an angle plate adapted to be disposed adjacent the upper surface of the frame of said trays, downwardly disposed side members integral with said angle plate adapted to be disposed adjacent the outer edges of the frame of said tray, overlapping bottom plates integral with the side members, and a projecting member on one of said bottom plates extending at right angles to said bottom plate, adapted to recline

on the lower surface of the other bottom plate having an opening therein in registration with an opening in said last mentioned bottom plate for receiving a pin at a point spaced from the corner joint of the frame of said tray.

1,640,012. LUBRICATING DEVICE. CARL SUTTER and GEORGE A. PETTIT, New Orleans, La. Filed June 26, 1926. Serial No. 118,719. 5 Claims. (Cl. 221—47.4.)



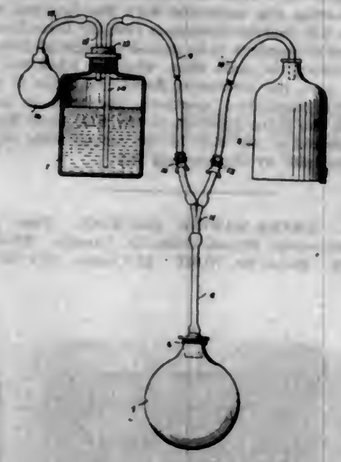
1. Lubricating apparatus comprising a filler neck having a machined end provided with an aperture, a hard-lubricant expressing device detachably mounted on said neck and having a shoulder machined to fit said end, and including means for forcing hard lubricant through said aperture, said neck and device having cooperating cam elements to draw said shoulder tightly onto said end by rotation of said neck and device relatively to each other a support in said neck, a valve for closing said aperture and resting normally on said support closely adjacent to said aperture with the aperture open, and movable from said support to aperture closing position by expansion of hard lubricant filling said neck after removal of said device from the filled neck.

1,640,013. EXPANSION CORE. JOHN R. TAYLOR and ERVIN WOOD, Sawtelle, Calif. Filed Sept. 14, 1923. Serial No. 662,736. 1 Claim. (Cl. 242—72.)



An expansion core comprising a central shaft of rectangular cross-section having longitudinal guides on its sides, an outer shell composed of a plurality of individual strips, a flanged end cap, inwardly directed pins on the flange of the end cap connecting said end cap to said strips for connecting the strips for unitary movement, a nut threaded upon said shaft and connected to said end cap for moving the strips longitudinally upon adjustment of the nut, blocks carried by said shaft between said longitudinal guides and arranged in pairs having their facing ends inclined, and blocks carried by said strips and disposed between said longitudinal guides and having inclined ends slidably engaging the inclined ends of said first named blocks whereby said strips will be moved inwardly towards or outwardly from the shaft upon longitudinal movement of the strips.

1,640,014. VAGINAL BALLOON. CESARE TOMASULO, New York, N. Y. Filed Sept. 29, 1926. Serial No. 138,526. 1 Claim. (Cl. 128—255.)



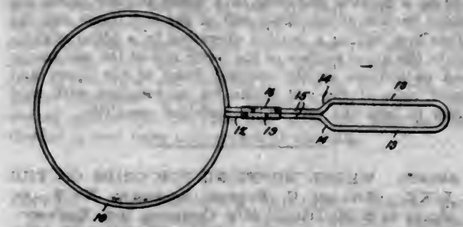
A therapeutic device for the treatment of uterine ailments, the same consisting of a hollow plug including a tapering body, an outer flange and a stem, a tube coupled to the stem of the plug and an expansible balloon attached to the body of the plug and adapted to be folded and stowed within the said body.

1,640,015. POWER ATTACHMENT FOR PRESSING MACHINES. CHARLES E. WARHAM, Norwood, Ohio. Filed Jan. 2, 1920. Serial No. 348,874. 11 Claims. (Cl. 68—9.)



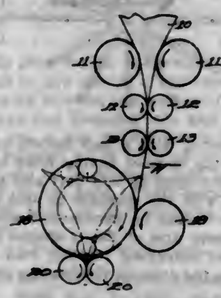
1. A garment press, comprising upper and lower pressing members, means for moving the upper pressing member into engagement with the lower pressing member, means for holding said pressing members in engagement, power operated means effective upon said upper pressing member and movable through a part cycle to produce final pressure between said pressing members when said pressing members are in engagement, and release means for said holding means and ineffective upon said power operated means, whereby said holding means may be released prior to the completion of the cycle of movement of said power operated means.

1,640,016. WIRE HANDLE. WALTER BRUCE WILLS, Baltimore, Md. Filed Feb. 10, 1926. Serial No. 87,275. 2 Claims. (Cl. 140—71.)



1. The method of assembling a two piece wire utensil consisting in forming a supporting section with parallel terminal portions having their end surfaces lying in the same transverse plane, forming a handle section with parallel terminal portions having their end surfaces lying in the same transverse plane, juxtaposing said plane surfaces in abutting relation and alining the terminal portions of the supporting section with the terminal portions of the handle section, wrapping a clip sheet around said abutting terminal portions and indenting the clip into frictional contact with all of the said terminal portions.

1,640,017. FOLDER. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 25, 1926, Serial No. 118,451, and in Canada May 26, 1924. 8 Claims. (Cl. 270—65.)
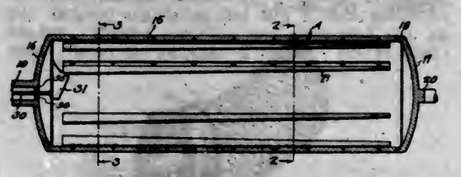


1. In a folding machine, the combination with a former and leading-in rolls, of means for nipping the web and pulling it through the rolls from a plurality of points along the web for the purpose of dividing the strain, said means at each of said points comprising two rolls rotatably mounted one roll being yieldingly held in contact with the other.

6. In a folding machine, the combination with a former and leading-in rolls, of means for nipping the web and pulling it through the rolls from a plurality of points along the web for the purpose of dividing the strain and means for running the nipping means at a surface speed greater than web speed for the purpose of dividing the strain.

1,640,018. PROCESS OF PREPARING VAT-DYESTUFF DERIVATIVES FROM VAT DYESTUFFS AND ALKYL ESTERS OF MONOCHLORACETIC ACID. BIRKETT WYLAM, Lancaster, JOHN EDMUND GUY HARRIS, Carlisle, England, and JOHN THOMAS, Grangemouth, Scotland, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Filed Aug. 19, 1926, Serial No. 130,358, and in Great Britain Aug. 5, 1925. 10 Claims. (Cl. 260—31.)

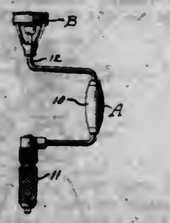
10. A vat dyestuff derivative such as may be made by acting upon indanthrone with an alkyl ester of monochlor-acetic-acid in the presence of pyridine and zinc and subsequently treating the product with alkali.

1,640,019. CONDENSATION REMOVER FOR STEAM-HEATED DRIERS. JAMES YOUNG, Kenora, Ontario, Canada. Filed Apr. 8, 1926. Serial No. 100,688. 3 Claims. (Cl. 34—4.)



1. The combination with a steam heated drying roll, of means for automatically removing the water of condensation from said roll including a longitudinally extending water collecting trough secured to the inner face of the roll, means for draining the water collected from one end of the trough, a stationary cup for receiving the water from said end of the trough, and an outlet water pipe communicating with the cup.

1,640,020. BIT-BRACE HEAD. GUNWALD ABRAHAMSON, Point Edward, Ontario, Canada. Filed Jan. 3, 1927. Serial No. 158,683. 12 Claims. (Cl. 145—66.)



1. In combination with a head for bit-braces, a spirit bulb carried by the head and provided with a plumb designation disposed co-axial with the chuck of the brace.

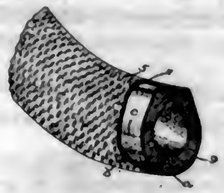
12. A brace head of the class described, comprising a cap provided with an opening, a spirit bulb fitting in the opening and projecting inwardly from the inner side of the cap, said bulb being provided with a leveling line spaced inwardly from the inner side of the cap and plumb lines intersecting at the inner and outer ends of the bulb, means for retaining the bulb in position within said cap, and a coupling section for rotatable mounting of the cap embodying a socket provided with a bore having its axis arranged in axial alignment with the point of intersection of the plumb lines.

1,640,021. METHOD OF PACKAGING TORIC ARTICLES. EDWARD H. ANGIER, Framingham, Mass. Filed Mar. 28, 1921. Serial No. 456,407. 2 Claims. (Cl. 206—46.)



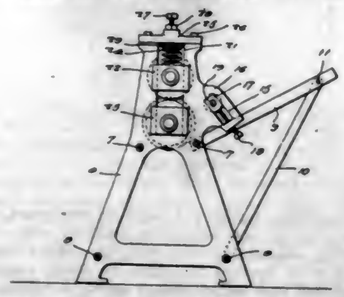
2. A package comprising a ring shaped article and a covering comprising a pair of strips extending along the inner and outer circumferences thereof respectively having resilient gatherings locally expanded longitudinally thereof whereby they are conformed to the shape of the article and joined along the sides of the article.

1,640,022. PACKAGING TORIC ARTICLES. EDWARD H. ANGIER, Framingham, Mass. Original application filed Mar. 28, 1921, Serial No. 456,407. Divided and this application filed Sept. 18, 1926. Serial No. 136,338. 9 Claims. (Cl. 93—2.)



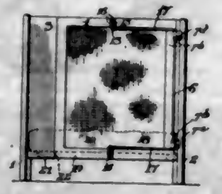
1. The method of packaging toric articles which comprises applying a strip of wrapping material capable of substantially unrestrained local longitudinal expansion throughout its width along a circumference of the article, differentially expanding the strip to fit it to and around the article to cover at least a large portion of its cross-sectional perimeter and securing it in position thereabout.

1,640,023. VENEER-SPLITTING MACHINE. RANDOLPH M. BARRON, Beaumont, Miss., assignor of one-half to Claude W. Wallace, Columbia, Miss. Filed Nov. 29, 1926. Serial No. 151,470. 6 Claims. (Cl. 144—174.)



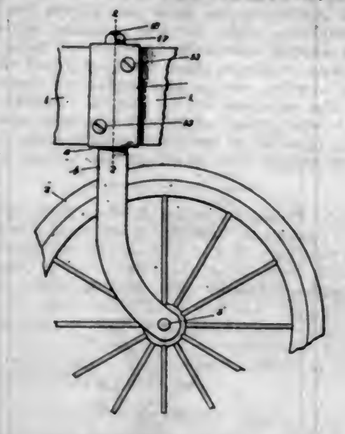
1. A veneer splitting machine including, in combination, a pair of roll members, means urging the roll members towards each other, one of said roll members including a shaft, a pair of roll head sections formed with hub cylinders having outwardly directed annular flanges at adjacent edges merging into cylindrical rims disposed concentrically about the hub cylinders in spaced relation thereto, means fixing one section to the shaft, an annular cutting tool clamped between the sections, and bolts holding the sections and tool together, said other roll member including a shaft, a pair of roll head sections formed with hub cylinders having outwardly directed annular flanges at remote edges merging into cylindrical rims, concentric about and in spaced relation to the hub cylinders and terminating in spaced relation to form kerfs for receiving the cutting tool.

1,640,024. FOLDING CRIB. WILLIAM C. BAXTER, Rochester, N. Y., assignor to Edward M. Trimble, Rochester, N. Y. Filed Oct. 28, 1924. Serial No. 746,438. 1 Claim. (Cl. 5—99.)



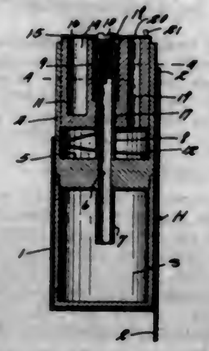
A crib embodying two side walls, a rectangular end frame pivotally connected to one of the side walls having upper and lower rails, a U-shaped member pivotally connected to the other side wall and having its two arms pivotally connected to the rectangular end frame, one arm having a portion operating in a plane slightly below the under surface of the upper rail of the end frame and the other arm having a portion operating in a plane slightly above the upper surface of the lower rail of the end frame, and projections on the opposed faces of the upper and lower rails of the end frame for cooperating with said arms to lock the crib in an unfolded condition.

1,640,025. WHEEL MOUNTING FOR CRIBS OR THE LIKE. WILLIAM C. BAXTER, Rochester, N. Y., assignor to E. M. Trimble Mfg. Company, Inc., Rochester, N. Y., a Corporation of New York. Filed May 22, 1926. Serial No. 110,881. 3 Claims. (Cl. 16—38.)



1. The combination with a part having an opening, of a U shaped bearing member having arms lying in abutment with opposite sides of said part and provided with openings aligned with the openings in said part, a wheel supporting frame having its movement limited in one direction by the lower arm of the U shaped bearing member, and a pintle extending through said opening and having bearing in the arms of the bearing member.

1,640,026. FUMIGATOR. JOHN O. BURT, Memphis, Tenn. Filed Oct. 12, 1926. Serial No. 141,140. 2 Claims. (Cl. 299—24.)



2. A fumigator comprising a lower container, a hollow cylinder closing the upper end of the lower container, an upper container slidably mounted in the cylinder, spring means interposed between the bottom of the cylinder and the upper container for normally holding

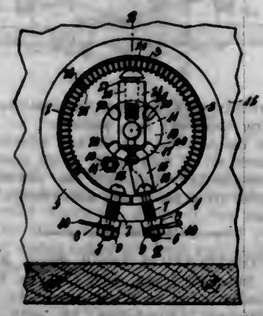
the same in an elevated position in the cylinder, said upper container having a passage-way leading from the top end thereof into the space between the upper container and the bottom of the cylinder, said cylinder having a central tube, said tube extending in opposite directions and entering both containers, the upper portion of the tube being slotted, a movable member carried by the tube and adapted to overlap the slots, the upper container having a socket which receives the slotted portion of the tube and with the wall surface thereof spaced from the surface of the tube.

1,640,027. SHAVING-STICK HOLDER. ELMORE RAY BUTLER and WILLIAM T. SINGER, Toronto, Ontario, Canada. Filed May 8, 1924, Serial No. 711,906, and in Canada Mar. 22, 1924. 1 Claim. (Cl. 206—56.)



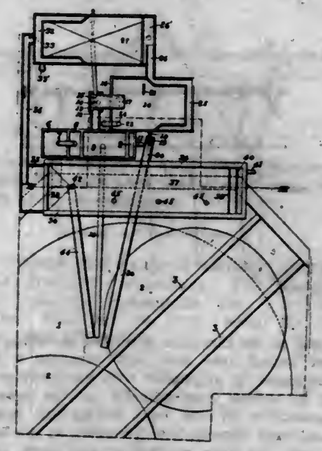
In a shaving stick holder, the combination with a container threaded at one end, of a cap having a cylindrical wall presenting an internal and external thread, a shaving stick having one end threaded into and permanently secured in said cap, a cap presenting an internal and external thread adapted to be threaded on and enclose the aforesaid cap and to be threaded into said container, a slot depression in the head of said enclosed cap and an opening in the head of the enclosing cap uncovering said depression.

1,640,028. RHEOSTAT. POWEL CROSLEY, Jr., Cincinnati, Ohio. Filed Nov. 3, 1923. Serial No. 672,492. 5 Claims. (Cl. 201—55.)



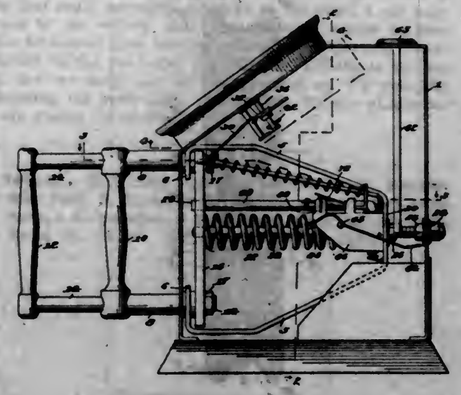
4. In a rheostat, a plurality of resistance elements stationarily connected in series, one of said elements being of specific resistance different from that of another one of said elements, and movable means for including various proportions of said one of said elements in a circuit, or all of said element and various proportions of said other element in the circuit.

1,640,029. METHOD FOR GRADING AND DELIVERING SAND TO GLASS-GRINDING MACHINES. JAMES W. CRUIKSHANK, Pittsburgh, Pa., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa. Original application filed May 5, 1922, Serial No. 558,743. Divided and this application filed Oct. 19, 1926. Serial No. 142,628. 4 Claims. (Cl. 51—263.)



1. In the method of grinding plate glass, the steps consisting in feeding coarse and medium coarse sand to the glass and grinding the glass therewith, and then feeding to the glass successive portions of a single continuous sand deposit containing a perfect sequence in a common horizontal plane of sand grains graded in accordance with the linear dimensions thereof, substantially as described.

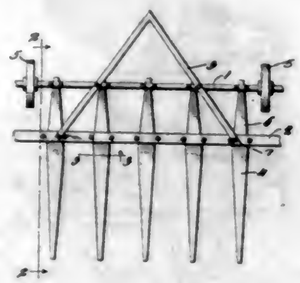
1,640,030. GRIP TESTER. WILLIAM K. EDWARDS, Big Spring, Tex. Filed Nov. 26, 1926. Serial No. 150,928. 4 Claims. (Cl. 194—34.)



1. In a muscular testing device of the character described, the combination of grip resisting means, handles for operating the same, a locking bar to normally prevent movement of one of said handles, a spring acting to

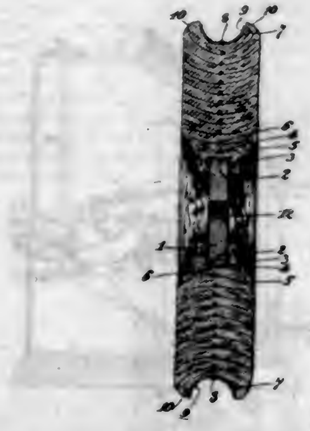
remove said locking means, a bell crank and latch for holding said locking means in position to prevent operation of the device, and coin controlled means for operating said latch.

1,640,031. SWEEP HAYRAKE. GREEN R. ELMORE, Saline, Mo. Filed Nov. 1, 1921. Serial No. 512,149. 1 Claim. (Cl. 56—400.)



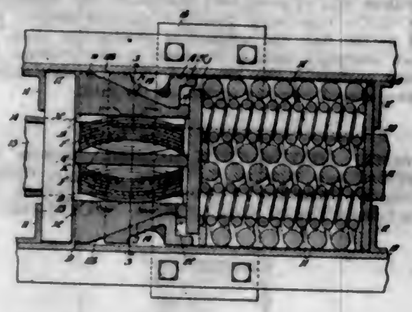
In a rake of the character described including a pair of connected spaced rake bars each carrying a depending U bolt arranged in alignment with one another, a tooth designed to extend longitudinally of the rake beneath and transversely of the bars having its intermediate portion enlarged immediately forwardly of the bolt of the forward bar, the rear portion of the tooth converging toward the rear end thereof and having slidable engagement with and through the bolt in the rear bar, said enlarged intermediate portion being of greater width than the adjacent supporting bolt to prevent the tooth from passing rearwardly therethrough and the forward portion of the tooth converging forwardly, substantially for the purpose described.

1,640,032. BUFFING WHEEL. JOHN J. FISCHTER, Willow Grove, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 29, 1926. Serial No. 105,370. 2 Claims. (Cl. 51—195.)



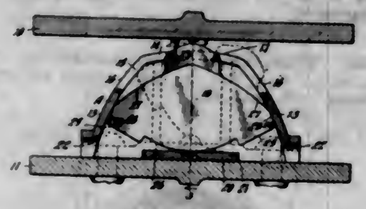
1. A buffing wheel, including a hub, rings of material surrounding said hub and disposed one over the other, and means intermediate each ring of material binding said rings on said hub.

1,640,033. FRICTION SHOCK-ABSORBING MECHANISM. WILLIAM A. GRIGGS, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 21, 1923, Serial No. 640,334. Renewed Feb. 2, 1927. 17 Claims. (Cl. 213—30.)



I. In a friction shock absorbing mechanism, the combination with a friction shell; of a main spring resistance; wedge means co-acting with said shell and including a plurality of wedging members, certain of which have keen angled wedge faces co-acting with said shell, and others of which have blunt wedging surfaces co-acting with blunt wedge faces on some of said keen faced members, said blunt faced wedge members being arranged to permit movement thereof outwardly relative to said first mentioned wedging members when the compressing force upon the wedge means is discontinued; and expansible means bearing upon said last mentioned wedge members and operating to yieldingly maintain the same in spaced relation.

1,640,034. COUNTERBALANCED SIDE BEARING. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 21, 1923. Serial No. 652,903. 6 Claims. (Cl. 308—224.)

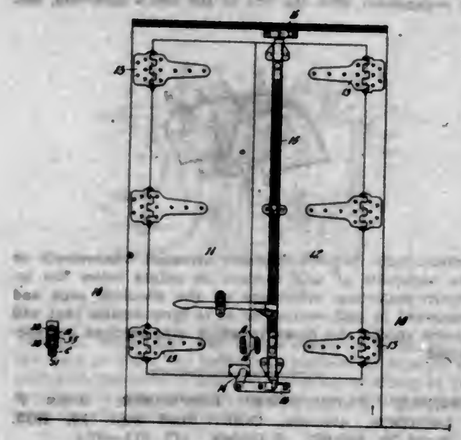


1. In an anti-friction bearing, the combination with a housing having side and end walls; of an anti-friction rocker within the housing shaped and adapted to always closely approach all of said walls in all positions of the rocker to substantially prevent the entrance of any foreign material from above the anti-friction rocker to a point below it.

1,640,035. COMBINATION DOOR STOP AND CATCH DEVICE. STACY B. HASELTINE, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Oct. 13, 1923. Serial No. 668,283. 2 Claims. (Cl. 292—189.)

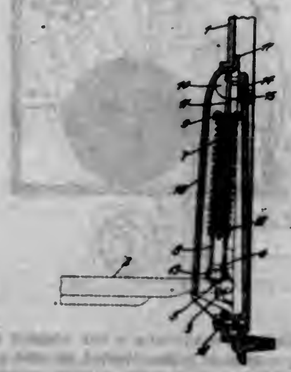
1. In a latch for a swinging door, the combination with a pair of supports fixed respectively to the door and the fixed member on which the door is mounted; of a slotted, gravity influenced plate slidably confined on one of said supports; and an extension formed integral with the other support, adapted to be projected through said slot, said extension having a shoulder

thereon adapted to engage behind said plate to retain the door in open position, said extension having a second shoulder thereon extending above said first-named



shoulder and adapted to engage the front of said plate at an angle to its sliding movement to limit the opening movement of the door.

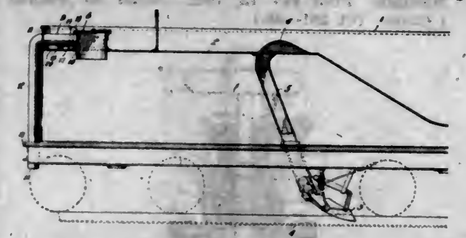
1,640,036. OVEN-DOOR MECHANISM. JOHN T. HUECKEL, Belleville, Ill. Filed Aug. 30, 1926. Serial No. 132,355. 9 Claims. (Cl. 126—191.)



1. The combination with an oven door frame and a door hinged in said frame, of a crank rigid with the door and extending laterally above the plane of the hinge axis, a hook rigid with the frame, a spring, and compression devices for said spring connected with said crank and said hook respectively.

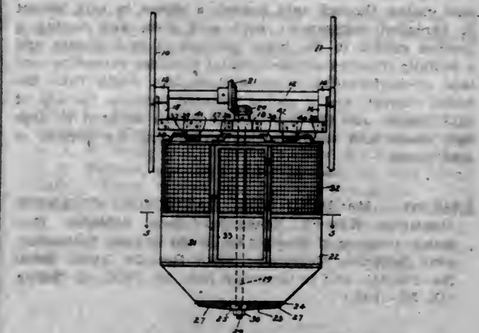
1,640,037. SURPLUS-WATER DISCHARGE SYSTEM FOR LOCOMOTIVE TENDERS. GEORGE A. JOHNSON, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 8, 1922. Serial No. 559,169. 6 Claims. (Cl. 103—82.)

1. A surplus water discharge system for locomotive tenders, comprising in combination: a water tank, a scoop, a supply conduit communicating at one end with said scoop and at its other end with said tank, said tank being provided with an auxiliary opening in its top formed by walls extending above the top surface of the tank; and a discharge conduit disposed exteriorly of the tank and communicating through one of said walls extending above the surface of said tank, said conduit being



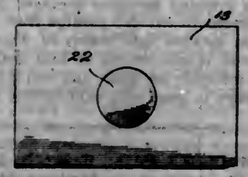
adapted to receive and convey to a point of discharge, the surplus water from said tank, said conduit being directed downwardly at its discharge end.

1,640,038. PASSENGER CAR FOR AMUSEMENT RIDES. HALLIGAN JOHNSON, Jacksonville, Fla., assignor to Nudevice Company, Jacksonville, Fla., a Corporation of Florida. Filed Apr. 26, 1926. Serial No. 104,664. 4 Claims. (Cl. 272—36.)



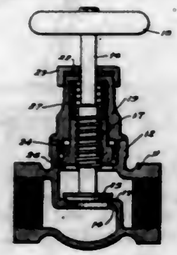
1. In combination with an amusement ride having a horizontal car-supporting shaft; a passenger car having a yoke rotatably mounted on the horizontal shaft, a vertical shaft rotatably mounted in the yoke, a car body fixed to the vertical shaft, transmission means between the horizontal and vertical shafts for imparting rotary motion to the car body, a guide plate secured to the top of the car body, and rollers mounted on the yoke for engaging the guide plate and guiding the top of the car body during its rotation.

1,640,039. BATTERY CELL. FREDERICK A. KELLER, New York, N. Y., assignor to Bright Star Battery Company, a Corporation of New York. Filed Mar. 17, 1925. Serial No. 16,102. 7 Claims. (Cl. 136—111.)



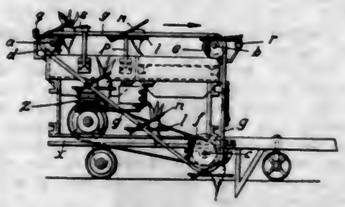
1. A composite electrode for dry battery cells comprising a thin, flat sheet of insulating material having an aperture in the same in combination with a section of active material of substantially the same thickness as the supporting sheet set into said aperture.

1,640,040. SELF-GRINDING VALVE. JOHN F. KELLY, Chicago, Ill., assignor, by mesne assignments, to Kelly Valve Company, Muskegon, Mich., a Corporation of Michigan. Filed Feb. 13, 1922. Serial No. 536,040. 1 Claim. (Cl. 251—58.)



In a self-grinding valve, a casing provided with a valve seat, an internally threaded nipple and an internal shoulder below the threads of the nipple, a valve bonnet adapted to be engaged with the threads in said nipple and arranged to provide with said shoulder an internal circumferential recess, a stem and valve extending into said casing through said bonnet, a sleeve in said bonnet in threaded engagement with said stem and having a portion guided in the lower portion of said bonnet and a radially directed circumferential shoulder extending into said circumferential recess and of less width than the width thereof, and a spring situated between the top of said bonnet and the top of said sleeve adapted to urge said sleeve and shoulder thereon toward the bottom of said recess.

1,640,041. MACHINE FOR GATHERING TURNIPS. HELMUTH KRAUSE, Schkeitbar, near Schkolen, Germany, assignor of one-half to Edwin Krause, Schkeitbar, near Schkolen, Germany. Filed Dec. 24, 1926, Serial No. 156,945, and in Germany Nov. 18, 1926. 3 Claims. (Cl. 55—108.)



1. The combination, in a machine for gathering turnips, with a truck, a motor mounted on the latter, three horizontal shafts revolubly arranged on said truck and forming the corners of a triangle, a chain gearing for driving said shafts from said motor and comprising two parallel endless chains, and tonglike grippers having short rear arms and long gripping members arranged between said chains and adapted to lift the turnips from the ground, of spacing axles between said chains on which said grippers are mounted, ratchet-wheels on said chains in which said axles are revolubly mounted, and spring-pawls on the ends of said axles in gear with said ratchet-wheels.

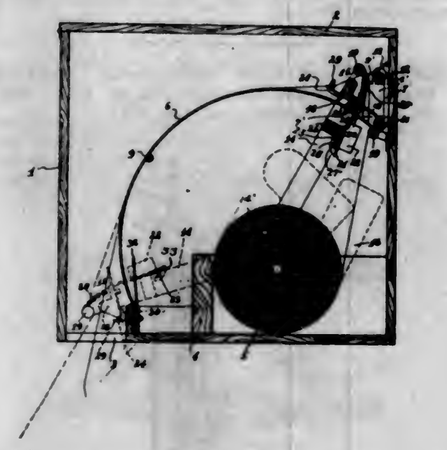
1,640,042. SHOULDER PAD. HARRY B. LATINA, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed May 4, 1925. Serial No. 27,771. 3 Claims. (Cl. 2—2.)

3. A shoulder pad for football players, comprising substantially rigid or inflexible sections that fit over the user's shoulders, shoulder caps provided with inwardly-projecting, flexible extensions that are pivotally connected to the underside of said sections at points adjacent the inner ends of said sections, means for holding said caps in engagement with the tips of the user's shoulders, and



substantially inelastic elements arranged transversely on the underside of said sections at points below the inwardly-projecting extensions on the shoulder caps and connected to said sections so as to form devices that will absorb shocks and blows to which said sections are subjected.

1,640,043. PAPER-TOWEL DISPENSER. JOHN F. LEIDECKER, Alameda, Calif. Filed Sept. 19, 1923. Serial No. 663,607. 5 Claims. (Cl. 211—33.)

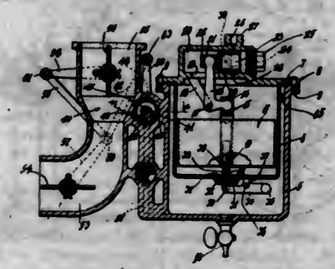


1. A paper dispenser comprising a box adapted to retain the paper, a pair of arms pivoted in said box, a roller journaled between said arms, a plate adapted to bear against said roller and grip the paper, a rod upon which said plate is mounted, said rod being bent at an angle to said plate at its outer ends, a trigger mounted on said arms adapted to engage said rod to hold the plate against the roller, and means to release said trigger when the arms are in the lowered position.

1,640,044. SELF-FEEDING CARBURETOR. HOWARD E. MARSH, Lompoc, Calif. Filed Aug. 10, 1925. Serial No. 49,351. 1 Claim. (Cl. 158—36.1.)

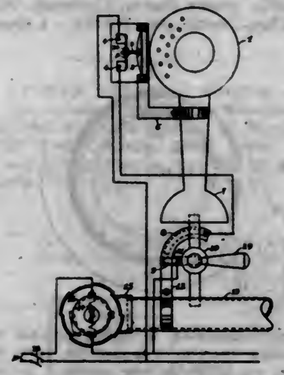
A self feeding carburetor comprising a mixing chamber, a fuel supply chamber communicating with the mixing chamber, and opening to the atmosphere, a float chamber having a port opening into the fuel supply chamber, said float chamber provided with a constantly open fuel inlet, a check valve to prevent flow of fuel from the fuel supply chamber through the port, a float in the float chamber, a

valve chamber having a suction port and having an air admission port communicating with the atmosphere, the float chamber provided with ports alined with the suction and air admission ports respectively, a cylindrical valve



having a single port, and means operated by falling of the float to move the valve into position to register its port with the suction port and operated by rising of the float to move the valve into position to register its port with the air admission port.

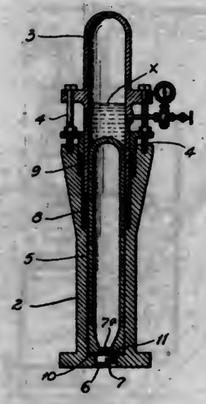
1,640,045. AUTOMATIC SAFETY APPLIANCE FOR GAS BURNERS. MARCUS B. MATSON, New York, N. Y. Filed Oct. 30, 1925. Serial No. 65,867. 11 Claims. (Cl. 67—116.)



1. The combination with a fuel burning fixture having a control cock, a fuel supply conduit to the fixture, and a safety shut-off valve in said conduit, of means, including an electric actuating circuit, for adjusting said valve, and means for opening and closing said circuit to control the adjustment of said valve, said means including a thermally operated snap action switch controlled by flame conditions at the fixture, and another switch controlled by movement of the fixture cock.

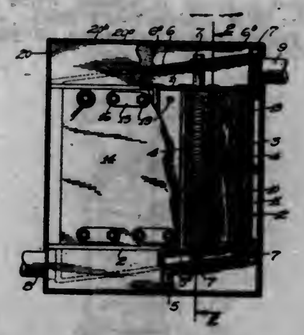
1,640,046. ALLEVIATOR FOR HYDRAULIC APPARATUS. FRANK MCFARLAND, Mexico, Mo. Filed Oct. 18, 1926. Serial No. 142,459. 4 Claims. (Cl. 137—71.)

1. In an alleviator of the kind that comprises a cylinder provided with a plunger that is acted upon by a medium confined between the upper end of the cylinder and the upper end of the plunger, an opening in the lower end of the cylinder, a reduced extension at the lower end of the plunger constructed so as to constitute a dash pot element that enters said opening when the plunger is at the end of its downward stroke, and means



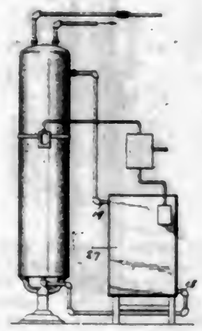
for producing a tight joint between the lower end of the cylinder and the lower end of the plunger that surrounds the dash pot element on the plunger.

1,640,047. ELECTRIC WATER HEATER. SAMUEL D. NESMITH, San Diego, Calif., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. Kathryn Osborn, J. H. Bulmer, and Mrs. Mary E. Nesmith, San Diego, Calif.; Roger Welles and R. R. Richardson, U. S. Navy; E. J. Callahan, Guadalajara, Mexico; George H. Schmidt, Walter C. Stitt, F. F. Grant, H. M. Sammis, Paul J. Hartley, and R. C. Easom. Filed Aug. 26, 1924. Serial No. 734,254. 2 Claims. (Cl. 219—39.)



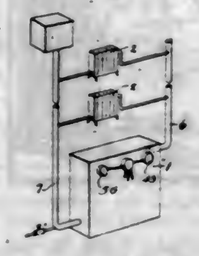
1. In an electric water heater, the combination of two headers, one at the top and one at the bottom of the heater, a plurality of vertically extending, spaced apart, flattened water tubes extending from one header to the other and communicating with the interiors thereof to connect said tubes in multiple through said headers, electrically-insulating heat-conducting material providing electrical heating elements interposed between each pair of adjacent water tubes, end plates at the ends of said heaters adjacent the end tubes, said end plates being bolted to the headers, heat-insulating material interposed between said end plates and the adjacent tubes, electrically-insulating side plates provided at each side of said heater, a casing for said heater and heat-insulating means interposed between said casing and said heater.

1,640,048. ELECTRICALLY-OPERATED WATER HEATER. SAMUEL D. NESMITH, San Diego, Calif., assignor of part interest to George H. Schmidt, Walter C. Stitt, F. F. Grant, H. M. Sammis, Paul J. Hartley, and R. C. Easom. Filed May 19, 1926. Serial No. 110,073. 4 Claims. (Cl. 219—39.)



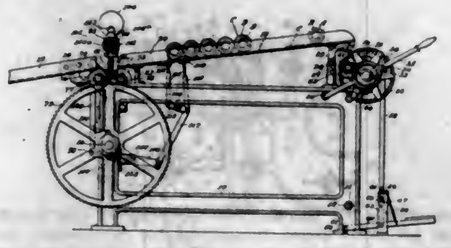
1. An electrically operated water heater comprising in combination a plurality of series connected separate flattened water tubes, flanges on the ends of each tube, a header at each end of said tube bolted to said flanges to attach said tubes to said headers for independent removal and to connect said tubes in series, and independently removable electrical heating elements interposed between and adjacent said tubes and electrically insulated therefrom.

1,640,049. ELECTRICALLY-OPERATED WATER HEATER OR BOILER FOR HEATING PURPOSES. SAMUEL D. NESMITH, San Diego, Calif., assignor of part interest to George H. Schmidt, Walter C. Stitt, F. F. Grant, H. M. Sammis, Paul J. Hartley, and R. C. Easom. Filed May 22, 1926. Serial No. 110,864. 5 Claims. (Cl. 219—39.)



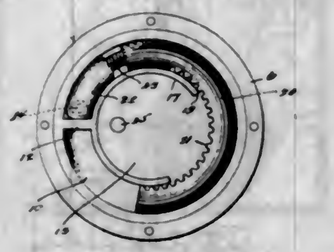
1. In an electrically operated water heater or boiler, the combination of a pair of unitary spaced headers, a plurality of spaced water tubes interposed between and removably attached to said headers, heating elements independently removable and interposed between adjacent water tubes, each of said water tubes being flanged at each end, said flanges projecting beyond the sides or edges of the tubes and said heating elements, and a sheet or slab of electric and heat insulating material at each side of the boiler and fitting between the upper and lower flanges on the tubes and lying against the edges of the tubes and heating elements.

1,640,050. RUBBER-TUBE TRIMMING, WRAPPING, AND ROLLING MACHINE. WILLIAM NICHOLAS, Bridgeport, Conn., assignor to The Black Rock Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 18, 1923. Serial No. 652,267. 16 Claims. (Cl. 18—2.)



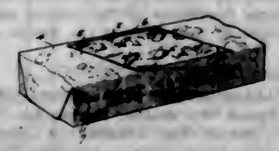
1. In a rubber tube wrapping machine, the combination with a frame, an inclined work table upon which rubber tubes are wrapped, a pair of operating rolls positioned adjacent the lower end of the table to receive wrapped tubes as they roll therefrom, a third roll positioned above said pair of rolls, means for raising and lowering said third roll into and out of engagement with the wrapped tubes, and means for adjustably raising and lowering said third roll independent of the above mentioned raising and lowering means to position said third roll to accommodate tubes of different diameters.

1,640,051. ALTITUDE GAUGE FOR USE ON AIRCRAFT, ETC. ANTON NOSAN, Cleveland, Ohio. Filed Aug. 18, 1926. Serial No. 129,983. 4 Claims. (Cl. 73—110.)



1. A gauge comprising a casing having a circular vacuum chamber therein, a segmental rack slidable in said chamber, an inflatable bag confined in said chamber and open to air pressure at the inside and pressing against one end of the rack, and means to indicate the movement of the rack.

1,640,052. CANDY PACKAGE. ANDREW OLSEN, Jr., San Francisco, Calif. Filed Dec. 21, 1925. Serial No. 76,704. 3 Claims. (Cl. 206—44.)



3. A candy package for a bar of candy in which the face of the bar is covered with a wrapping perfectly transparent over a portion of its face surface only and translucent over the remaining portion and being sealed thereover.

1,640,053. MOWER PITMAN CONNECTION. JOHN H. SCHONHOFF, Advance, Mo. Filed Aug. 6, 1926. Serial No. 127,538. 2 Claims. (Cl. 287—89.)



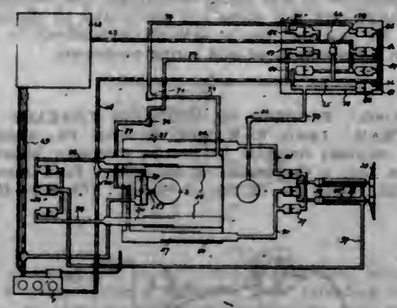
1. A pitman comprising a pair of flexible spaced arms having holes therethrough, a bolt provided with oppositely running threads on its opposite ends and extending through said holes, and a pair of nuts screwed on each set of threads and engaging respective arms.

1,640,054. ELECTRIC-LOCOMOTIVE-CAB UNDERFRAME. WILLIAM M. SHEEHAN, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Nov. 24, 1924. Serial No. 751,891. 20 Claims. (Cl. 105—172.)



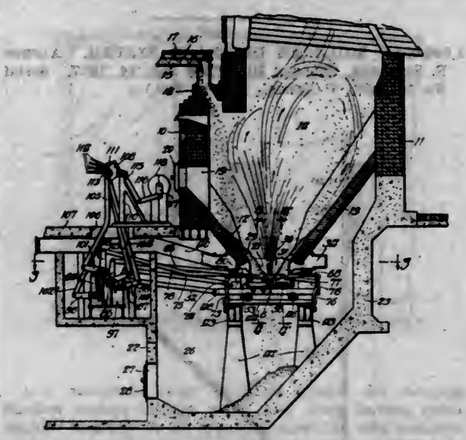
1. An electric locomotive cab underframe comprising a box girder with brake cylinder supports, a rheostat base, a phase converter base, a transformer base, means for connecting said underframe to the locomotive truck, means for connecting said underframe to the cab, and a motor journal support all formed integrally.

1,640,055. POWER SHOVEL. WILLIAM W. SLOANE, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 29, 1925, Serial No. 66,549. Divided and this application filed Oct. 27, 1926. Serial No. 144,504. 12 Claims. (Cl. 303—6.)



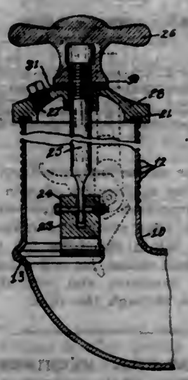
5. In a power shovel, the combination with a hydraulic actuating device, of a balanced poppet valve arranged to open against a fluid pressure for applying the same to said actuating device, a spring yieldably urging said valve into closed position, a second partially balanced poppet valve for by-passing said fluid pressure from said first mentioned valve and arranged to close against said pressure, a pivoted hand lever for opening said first mentioned valve, a pivoted rocker member for closing said second valve, and a roller mounted radially on said lever for actuating said rocker member to close said second valve upon continued valve opening movement of said lever after said first mentioned valve has been opened.

1,640,056. FURNACE. JOHN F. O. STRATTON, Chicago, Ill. Original application filed Aug. 28, 1925, Serial No. 52,998. Divided and this application filed Aug. 28, 1925. Serial No. 53,000. 5 Claims. (Cl. 110—72.)



1. In a furnace, in combination with a combustion chamber having a throat in the bottom thereof, an air pressure chamber below said throat, and intercepting means consisting of a pair of sections interposed between said pressure chamber and the lower end of said throat, said sections being spaced apart to define a nozzle for directing a blast of air from said pressure chamber through said throat into said combustion chamber, means for reciprocating said sections back and forth across said throat to shift said blast, and means for adjusting said last mentioned means to selectively adjust the movement of each of said sections, said adjusting means being manually operable to reciprocate said sections manually.

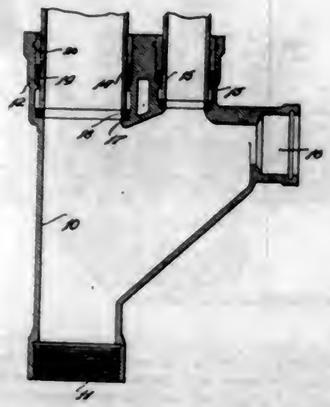
1,640,057. TESTING-COVER SUPPORT AND PIPE THEREFOR. ALFRED E. STRINGER, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 707,800. 3 Claims. (Cl. 137—77.)



1. The combination of an elbow having a groove extending partially around the inner end of its open arm adjacent the bend of the elbow, a cap adapted to seat on the open arm of the elbow, a cross-piece adapted to be inserted into such open arm of the elbow with one end of the cross-piece extending into the other arm of the elbow and the other end thereof within the central portion of the groove, said cross piece being adapted to

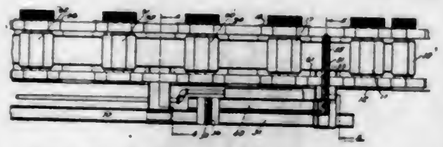
be brought into operative engagement with said groove by a rotary movement, stop shoulders in said groove for limiting the rotary movement of said cross-piece therein, and clamping means acting on said cross-piece for forcing said cap against the end of the elbow.

1,640,058. SOIL-PIPE DRAINAGE SYSTEM. ALFRED E. STRINGER, Chicago, Ill. Filed Jan. 14, 1927. Serial No. 161,055. 7 Claims. (Cl. 4—212.)



1. An expansion joint, for pipes comprising a bell-mouthed socket, means insertable in the bottom of said socket for temporarily supporting a length of pipe, and permanent sealing means in said socket around said pipe adapted to permit longitudinal movement of said pipe relative to said socket.

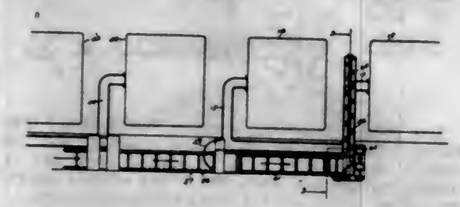
1,640,059. SUGAR-MILL MACHINERY. JOHN E. STUNTZ, Central Estrella, Cuba, assignor to The Hooven, Owens, Rentschler Company, Hamilton, Ohio, a Corporation of Ohio. Filed Oct. 2, 1925. Serial No. 60,137. 22 Claims. (Cl. 127—2.)



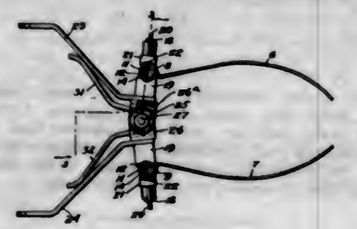
1. Apparatus for extracting juice from sugar cane and the like, comprising a plurality of sets of rolls, a plurality of juice strainers associated with said several sets of rolls, each juice strainer arranged independently of the others to strain the juice fed thereto from its associated rolls, and means for collecting the screenings from the several strainers and returning such screenings to pass again through the rolls.

1,640,060. SUGAR-MILL MACHINERY. GEORGE I. THEILE, Hamilton, Ohio, assignor to The Hooven, Owens, Rentschler Company, Hamilton, Ohio, a Corporation of Ohio. Filed Oct. 2, 1925. Serial No. 60,136. 5 Claims. (Cl. 127—2.)

1. Apparatus for extracting juice from sugar cane and the like, comprising a plurality of sets of rolls, a plurality of juice strainers arranged alongside the ends of said sets of rolls, means for feeding to each of said strainers juice from certain of said sets of rolls, each strainer acting independently to strain the juice fed thereto, means associated with each strainer for removing the screenings therefrom, and a common conveyor means for receiving the screenings removed from the several strainers to return said screenings to the bagasse passing through the rolls.

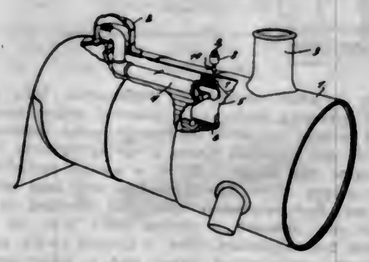


1,640,061. CLAMPING ELECTRODE. REINHOLD H. WAPPLER, Yonkers, N. Y., assignor to Wappler Electric Company, Inc., a Corporation of New York. Filed July 2, 1924. Serial No. 723,656. 11 Claims. (Cl. 174—89.)



1. A clamping electrode comprising a pair of plates made of conducting material and having proper form to serve as clamping plates and also as electrodes, spring mechanism connected with said plates for automatically forcing them toward each other, means controllable by the operator for moving said plates apart in opposition to said spring mechanism, and mechanism connected with said plates and controllable by the operator for adjusting one of said plates relatively to the other, independently of said spring mechanism.

1,640,062. PROCESS OF STOPPING LEAKAGE OF STEAM. LEWIS S. WATRES, Scranton, Pa., assignor to National Graphite Lubrication Company, Wilmington, Del., a Corporation of Delaware. Filed June 5, 1925. Serial No. 35,159. 5 Claims. (Cl. 122—459.)



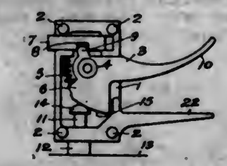
1. The process of operating a steam boiler provided with a superheater, which comprises introducing oil into steam immediately before it enters the superheater.

1,640,063. AUTOMOBILE STEEL DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 22, 1922. Serial No. 583,647. 2 Claims. (Cl. 301—22.)



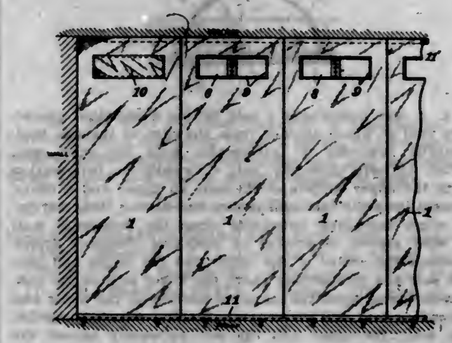
1. In a disk wheel, the combination of a disk having its tread portion bent laterally at a distance from its outer margin to extend obliquely towards the rear across the plane of the wheel and provided at its margin with a rim-seating flange, a clamping member having its inner margin bearing upon the oblique surface and extending radially outward and terminating at the outer margin in a rim-seating flange, a tire-rim resting on the two flanges, the oblique tread portion being provided at circumferentially spaced intervals with bolt anchoring portions substantially perpendicular to the wheel plane, and bolts connecting the said bolt-anchoring portions of the tread and the clamping member for forcing the latter along the incline to exert oppositely directed stress upon the rim and disk.

1,640,064. COMBINED SASH HOLDER AND WINDOW RELEASE. JOHN L. ARMSTRONG, Chicago, Ill., assignor to The National Lock Washer Company, Newark, N. J., a Corporation of New Jersey. Filed June 7, 1926. Serial No. 114,240. 1 Claim. (Cl. 292—40.)



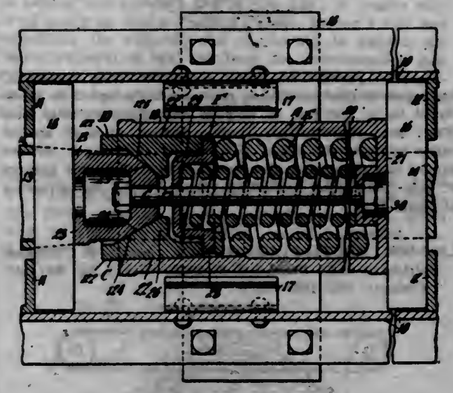
A combined sash holder and window release, comprising a casing having a stationary lever extending therefrom, an operating member pivoted within said casing and having a lever extending therefrom in juxtaposition with respect to the stationary lever, a separate latching member movable in the casing, connections between said latching and operating members whereby the downward and upward swinging of the operating member lever will effect the unlatching and latching movements of the latching member, a spring which acts to effect the latching movement and to restore the parts to normal positions, a vertically disposed independent plunger pin slidably guided within the bottom of the casing and adapted to be forced downwardly by the bottom portion of the operating member with a camming action when the latter is forced downwardly to effect the withdrawal of the latch member.

1,640,065. INTERIOR WALL. JACOB B. BLAW, Atlantic City, N. J.; Sadie H. Blaw executrix of said Jacob B. Blaw, deceased. Filed Sept. 24, 1926. Serial No. 137,460. 5 Claims. (Cl. 72—39.)



1. A relatively large sheet of plaster for forming finished surface interior walls, said sheet having metal angular members in its opposite edges, the said members being perforated and the said perforations adapted to permit a filler to pass therein, said sheet having a non-metallic binding means therein and also a plurality of metal members within the sheet to strengthen the relatively thin sheet of plaster.

1,640,066. FRICTION SHOCK-ABSORBING MECHANISM. ARILD M. BRENNE, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 17, 1925. Serial No. 56,933. 2 Claims. (Cl. 213—32.)



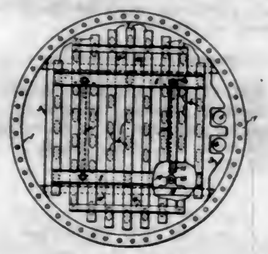
1. In a friction shock absorbing mechanism, the combination with a column member having longitudinal friction surfaces thereon; of friction elements longitudinally slidable on said member; spring resistance means co-operating with said elements; and a wedge element, said friction elements and wedge element having co-operating sets of wedge faces, one of the faces of each set being so proportioned and arranged as to be overlapped by the other faces of said set and said element carrying the overlapped faces being of softer material than the co-operating element, said faces of the element of softer material having relatively blunt edges.

1,640,067. SHOE. DAVID E. COOL, St. Louis, Mo. Filed Oct. 11, 1926. Serial No. 140,819. 2 Claims. (Cl. 36—16.)



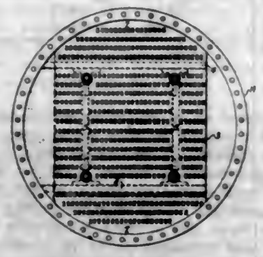
1. A shoe comprising a sole having a marginal groove, one wall of which extends from the edge of the sole horizontally inwardly to intersection with the other wall which extends upwardly and outwardly to intersection with the upper surface of the sole, an upper and a lining creased inwardly into said groove and having their marginal edges extending outwardly upon the horizontal wall of said groove, a number of fastening elements driven through the crease of the upper and the lining and into the sole and terminating above the lower side of the sole, a welt seated upon the marginal portion of the upper and extending into said crease, and stitching securing together the welt, the upper and the sole outwardly beyond the marginal edge of the lining.

1,640,068. RECTIFYING COLUMN. JAMES F. CYPHERS, Baltimore, Md. Filed Oct. 2, 1923. Serial No. 666,211. 13 Claims. (Cl. 195—13.)



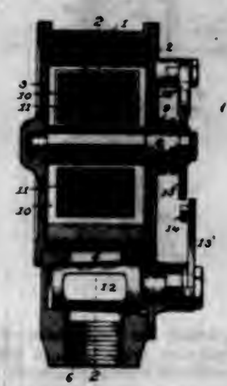
13. In a rectifying column, a substantially horizontal and unobstructed rectifying plate means adapted to cause liquid to be rectified to flow in one direction over said plate, said plate having therein spaced rows of spaced vapor nozzles, the upper portions of said vapor nozzles having one dimension greater than the other, the greater of said dimensions extending transverse to the direction of liquid flow.

1,640,069. RECTIFYING COLUMN. JAMES F. CYPHERS, Baltimore, Md. Filed Oct. 6, 1923. Serial No. 667,040. 7 Claims. (Cl. 195—13.)



5. In self-cleaning beer plate adapted to hold material to be rectified, projecting covered members in said plate having two vapor outlet orifices between and adjoining said plate and the walls and tops of each of said members, said projecting members being adapted to cause the vapors coming through said orifices to agitate the material on said plate.

1,640,070. PIPE-LINE STRAINER. EARL J. DREXLER, Chicago, Ill. Filed Aug. 3, 1925. Serial No. 47,687. 1 Claim. (Cl. 210—165.)



In a strainer for water pipes, a casing having a circular chamber, inlet and outlet passages at its respective sides, and a controllable drain passage at bottom, a revoluble valve member controlling said drain passage, a revoluble strainer head arranged in the aforesaid circular chamber, the same comprising a series of screen frames mounted radially on a central hub and carrying the screening webs of the structure, means for positioning said strainer head in its turning adjustments, the same comprising a ratchet wheel on the carrying hub of the strainer head, and a holding pawl pivoted on the side of the casing in operative relation to said ratchet wheel, and an operating lever engaging the valve member aforesaid and having a projecting stud adapted for operative engagement with the ratchet wheel.

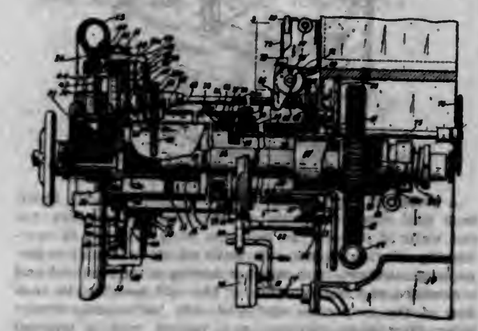
1,640,071. LOOSE-LEAF BINDER. CHARLES H. FRANZ, Jr., Milwaukee, Wis. Filed Feb. 1, 1924. Serial No. 689,924. 1 Claim. (Cl. 129—24.)



A loose leaf binder comprising a pair of covers, posts carried by one of said covers and each having a transverse aperture adjacent its free end, the other of said covers having a pair of abutting plates, each plate having a tubular portion in its marginal edge, the tubular portions of the plates being in alignment, said tubular portions being cut away approximately along a diameter thereof to form channels in their adjacent ends, rods fitting said tubular portions and having laterally bent ends projecting laterally from said channels and held closely adjacent the corresponding cover by the channels

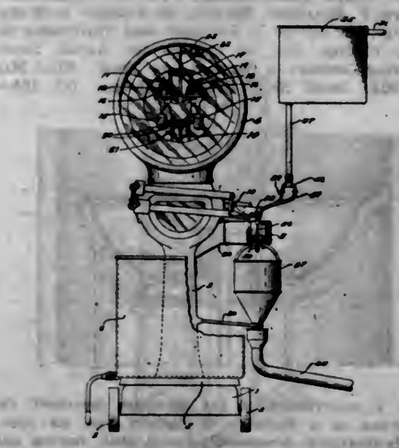
of the tubular portions, said tubular portions being cut away intermediate their ends for the reception of said posts, and said rods being adapted to enter the apertures through said posts.

1,640,072. TIRE-BUILDING APPARATUS. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 12, 1922. Serial No. 606,382. 21 Claims. (Cl. 154—10.)



1. Bead placing apparatus comprising means for presenting a bead to a partially constructed tire while holding the bead in circular form by engagement with its inner periphery, a bead-pressing roller, means for relatively running said roller longitudinally of the bead to press said bead against said tire while the bead remains upon the presenting means, and means operatively connecting the bead-presenting means and the bead-pressing roller to actuate them in timed relation.

1,640,073. WEIGHING SCALE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 13, 1924. Serial No. 737,568. 15 Claims. (Cl. 265—70.)



1. In a device of the class described, in combination, automatic load-counterbalancing mechanism, indicating mechanism connected thereto, a fluent load counterbalance, and means for applying said fluent counterbalance in substitution for said automatic load-counterbalancing mechanism.

1,640,074. PLATTER-RETAINING DEVICE. CLARENCE H. HAPGOOD, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Sept. 28, 1925. Serial No. 58,969. 6 Claims. (Cl. 265—27.)



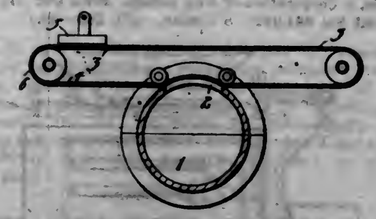
1. In a device of the class described, in combination, a platter having a depending flange, a spider, and resiliently pressed means engaging said spider and said depending flange to hold said platter in place upon said spider.

1,640,075. DRAFT-RIGGING-KEY RETAINER. JOSEPH HARRIS, Wheaton, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Oct. 17, 1925. Serial No. 62,971. 7 Claims. (Cl. 213—61.)



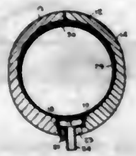
1. In a retaining means for a connecting key of a draft rigging, wherein the key extends transversely of the sills and has one end thereof projecting outwardly beyond the plane of one sill through a slot therein; the combination with a casting of the draft rigging secured to one face of said sill, said casting having a flanged section fitting within said slot of the sill and having a portion of said flanged section projecting outwardly of the plane of the sill beyond the adjacent end of the key; of means supported solely by said projecting portion having a free end overlapping the adjacent end of the key to prevent accidental removal of said key from the corresponding side of the draft sills, said free end always overlapping a portion of said end of the key in any longitudinal position of the latter while in said slot.

1,640,076. FORMATION OF LABELS, SYMBOLS, AND THE LIKE ON GLASS CONTAINERS. WILLIAM CLIFTON HART, Adelaide, South Australia, Australia. Filed Mar. 24, 1926, Serial No. 97,061, and in Australia Apr. 6, 1925. 3 Claims. (Cl. 49—82.)



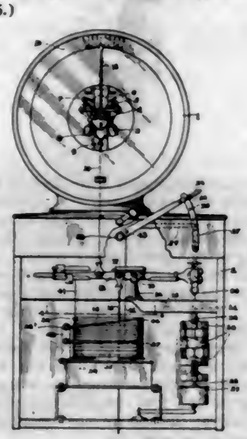
1. A process for the purposes specified characterized in that a label or symbol of one of a plurality of colours is applied to a glass container during the operation of blowing the container in the mould and while the glass is in a viscous condition.

1,640,077. APPARATUS FOR FINISHING TIRE TUBES. HORACE HILLYARD HASTINGS, Quebec, Quebec, Canada. Filed June 1, 1926. Serial No. 112,903. 1 Claim. (Cl. 18—38.)



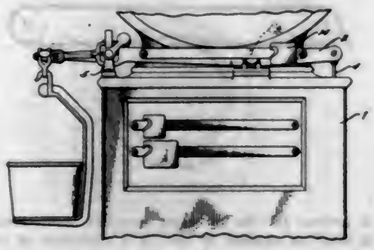
In an apparatus for finishing tire tubes, an annular tube chamber recessed to contain an annular steam chamber having a steam inlet said tube chamber being adapted to enclose and restrict undue expansion of a tire tube and bring the reinforced wall thereof into register with said annular steam chamber.

1,640,078. RECORDING WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,143. 9 Claims. (Cl. 265—5.)



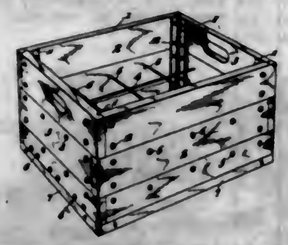
1. In a scale, in combination, automatic weighing mechanism, manipulative weighing mechanism, and means operatively connected with said weighing mechanisms for making a graph record of the operations of said weighing mechanisms.

1,640,079. BEAM-LOCKING DEVICE. HALVOR W. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 17, 1923. Serial No. 681,040. 8 Claims. (Cl. 265—49.)



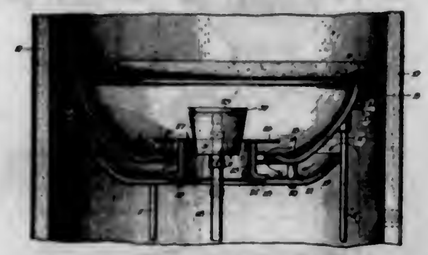
1. In a device of the class described, in combination, a beam provided with an opening, and a pivotally movable locking device passing through said opening, said locking device having members adapted in movement to one position of the device to engage the upper and lower sides of said beam opening and move said beam to central position.

1,640,080. SHIPPING BOX OR CRATE. JOHN H. HIER and ELLSWORTH J. HIER, Merrill, Wis. Filed Mar. 13, 1926. Serial No. 94,410. 1 Claim. (Cl. 217—19.)



A shipping box or crate formed of end and side walls, each wall comprising tiers of superimposed members, the end walls of each of the members being disposed in overlapping relation to the side walls of the adjacent superimposed members, each member having a tenoned end and a mortised end and the ends of the said members in each tier of the respective end and side walls respectively, being alternately disposed and jointed with a tenoned end of one member to a mortised end of another member, a brace plate surrounding the lower edge of said walls and recessed therein, longitudinally and transversely extending rods arranged within and connecting the end and side walls and forming spaced receiving openings, supporting rods arranged beneath and in spaced relation to the first named rods and secured in opposite walls above said brace plate, interiorly disposed angular braces for each corner extending from top to bottom of the tiers, and exteriorly disposed angular braces for each corner terminating at the top of the brace plate and recessed in the connected side and end walls of each of the tiers, said exteriorly disposed angular braces having inturned side edges adapted to engage in the side and end walls of each of the tiers.

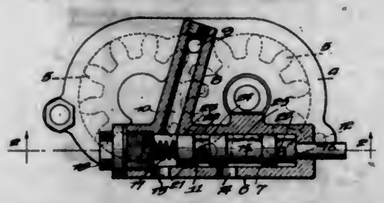
1,640,081. AIR PREHEATER FOR OIL BURNERS. ADOLPH T. JOHANSON, Chicago, Ill., assignor to Milton E. Page, jr., Adolph T. Johanson, and Christopher M. Page, Chicago, Ill., as trustees for Aaball Manufacturing Company, a Common Law Trust. Filed May 21, 1924. Serial No. 714,786. 5 Claims. (Cl. 158—28.)



1. In a construction of the character described, the combination of a plurality of upright legs, an upper centrally-apertured downwardly-dished shell resting and supported on said legs, a second lower, centrally-apertured downwardly-dished shell spaced below and supported from said upper shell, a ring inside of the apertures of said shells supported on said lower shell, spaced inwardly away from the margin of the aperture of said upper shell, and having an outwardly-extended flange above said upper shell, and a fuel-burner having a discharge opening

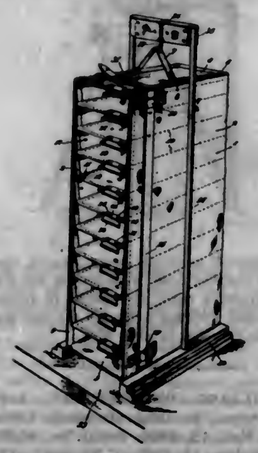
above said ring, whereby air flowing inwardly between said shells is caused to flow upwardly and outwardly above said upper shell where it mixes with the gases issuing and at some distance from said burner, such air being preheated by said shells during its passage through the conduit specified.

1,640,082. TURBINE REVERSING MECHANISM. AUGUST H. KATTERJOHN, Denver, Colo., assignor to The Denver Rock Drill Mfg. Company. Filed Oct. 3, 1922. Serial No. 592,049. 1 Claim. (Cl. 121—70.)



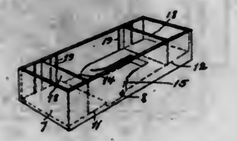
A reversible rotary motor, comprising a cylinder member having a piston chamber and a valve casing on one side thereof, having an elongated valve chamber, rotary intermeshed pistons in the piston chamber, said cylinder member having a pair of combined intake and exhaust ports that communicate with the piston chamber on opposite sides of the intermeshed portions of the pistons, said chamber also having a supply port opening thereinto and having exhaust permitting means, a reciprocatory plunger valve in the chamber having an internal passage with an inlet port that is in constant communication with the portion of the chamber into which said supply port opens, said passage also having an outlet port that is movable with the valve into communication with either of a pair of combined intake and exhaust ports, and said last-named ports being also alternately in communication with the exhaust permitting means on the said movements of the valve.

1,640,083. DEVICE FOR USE IN SORTING AND DELIVERING MAIL. GEORGE FRANK LADD, Forbes, N. Dak. Filed May 11, 1926. Serial No. 108,399. 6 Claims. (Cl. 150—14.)



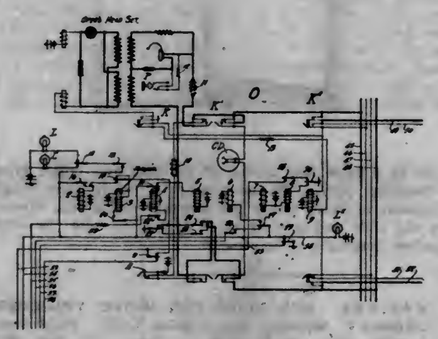
1. In a device for use in sorting and delivering mail, a case having flexible side and rear walls adapting it to be collapsed, the case being open at its front, and a series of pockets within the case comprising bottom, side and rear walls, the side and rear walls of the pockets being flexible and thereby adapted to be collapsed and being attached at their upper portions to the respective walls of the case, the pockets of the series being semi-nested with relation to one another whereby the bottom of one pocket may constitute a displaceable top for the pocket next beneath it.

1,640,084. BAG HOLDER. JOHN LEICHT, Jr., Burlington, Iowa. Filed Feb. 27, 1926. Serial No. 91,059. 1 Claim. (Cl. 211—2.)



A bag holder comprising a container having ends and sides, a front bottom plate secured between its sides, and a rear bottom plate also secured between its sides, said rear plate having parallel side members terminating short of the front plate whereby a T-shaped slot is defined through the bottom of the container, the depth of the container over the rear plate being less than its depth over the front plate.

1,640,085. SERVICE-OBSERVING APPARATUS FOR AUTOMATIC TELEPHONE SYSTEMS. FRED T. MADSEN, Forest Park, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed July 15, 1922. Serial No. 575,383. Renewed June 26, 1926. 33 Claims. (Cl. 179—27.)

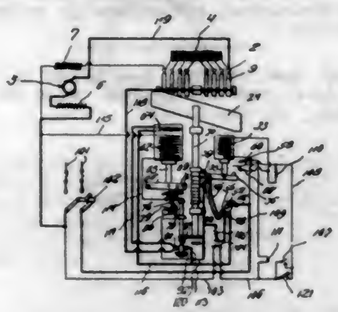


30. In a telephone syatem, a series of automatic switches for establishing a connection between a calling and a called line, trunk lines between each of said switches, service observation equipment for recording the progress of the call, and means for automatically controlling said equipment to make a record should any of the switches in said series encounter an open or faulty trunk line.

1,640,086. MOTOR-CONTROL MECHANISM. CHARLES HAROLD MCCULLOUGH, Visalia, Calif., assignor of one-half to Frank Elliott, Orosi, Calif. Filed Dec. 12, 1925. Serial No. 75,140. 7 Claims. (Cl. 172—288.)

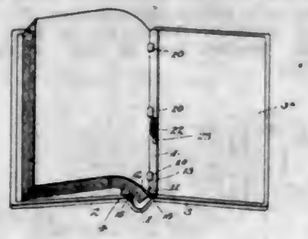
1. A motor control mechanism, comprising a rheostat, for starting and controlling the operation of an electric motor, a reciprocating member for operating said rheo-

stat gravity operated in one direction and having a rack member thereon, an oscillating mechanism for engagement with said rack member to produce a step by step operation of said reciprocating member in an opposite direction, electromagnetic means for operating said oscil-



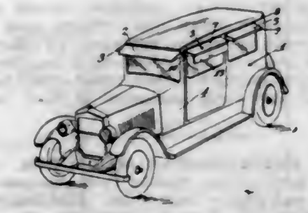
lating mechanism, means for controlling the operation of said oscillating mechanism, and primary electromagnetic control means for controlling said electromagnetic means, said motor and the gravity operation of said reciprocating member, said primary electromagnetic control means forming a no voltage cut-out.

1,640,087. LOOSE-LEAF BINDER. JOHN L. MCMILLAN, Syracuse, N. Y. Filed Dec. 9, 1925. Serial No. 74,352. 10 Claims. (Cl. 129—24.)



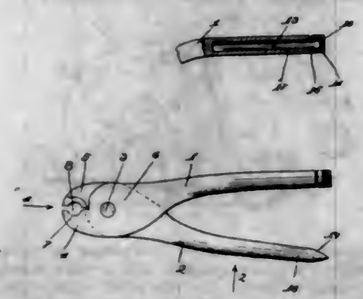
1. In a loose leaf binder of the link and pintle type, a housing carried by the binder; a pintle slide longitudinally movable within the housing; and a lock carried by the slide and serving when locked, to hold the slide against longitudinal movement.

1,640,088. SUN VISOR FOR MOTOR VEHICLES. CHARLES C. MEGOWN, Los Angeles, Calif. Filed Sept. 7, 1926. Serial No. 133,908. 1 Claim. (Cl. 296—95.)



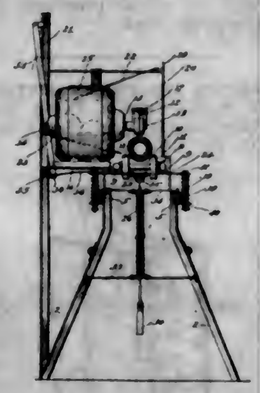
A sun visor comprising in combination a fixed structure having a roof portion and end walls, means to secure same to a vehicle, a pivot bolt extending through the end walls and having shoulders inside said walls, extension stems through the walls, a bushing on each stem fitting in each end wall, a loose washer between each bushing and each shoulder, a spring washer on each stem on the outside of each end wall, a nut on each stem bearing against each spring washer, and a drop leaf connected to the pivot bolt.

1,640,089. MINER'S HAND TOOL. CORNELIUS G. MURPHY, Long Beach, Calif. Filed Apr. 6, 1926. Serial No. 100,052. 1 Claim. (Cl. 7—4.)



A combination pliers having a pair of handles with jaws pivotally connected together, one of the handles being formed hollow forming a receptacle therein, the end of the said handle being sharpened forming a circular die suitable for cutting washers or the like, and a cap threaded on the open end of the said hollow handle forming a closure.

1,640,090. NEWSPAPER-CORE-STRIPPING MACHINE. FRANK MURRAY, Los Angeles, Calif. Filed May 10, 1926. Serial No. 107,993. 17 Claims. (Cl. 164—60.)

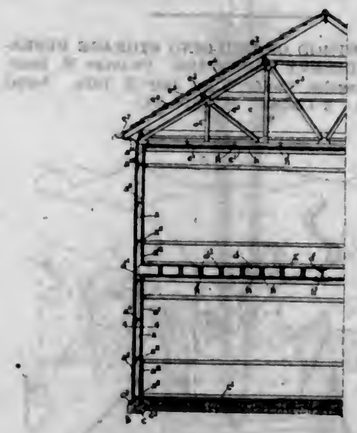


1. A core stripping machine comprising in combination, a single rotary cutting disc, a conveyor having a series of rollers to support a core, and means to rotate the cutting disc, said disc forming a means for moving the core longitudinally in relation to said disc.

1,640,091. BUILDING CONSTRUCTION. JOHN GEORGE STEWART MURRAY, the Duke of Atholl, Dunkeld, Scotland. Filed Mar. 18, 1926, Serial No. 95,722, and in Great Britain Aug. 14, 1925. 7 Claims. (Cl. 189—1.)

1. A structure comprising vertically disposed wall frame members of T-shaped cross-section, the web part of which cross-section is inwardly disposed, wall plates dis-

posed between the web parts of the cross-section of adjacent frame members and against the inwardly disposed faces of the T-head part of the cross-section of the frame

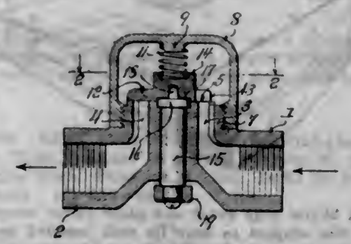


members, and means for the connection of the said wall plates to the said T-head part of the cross-section of the frame members, substantially as described.

1,640,092. COMPOSITION FOR PREVENTING THE ACCUMULATION OF RAINDROPS ON WINDOWS. JOSEPH F. MURRAY and JOHN SMITH, Mayfield, Pa. Filed Aug. 17, 1926. Serial No. 129,864. 1 Claim. (Cl. 134—27.)

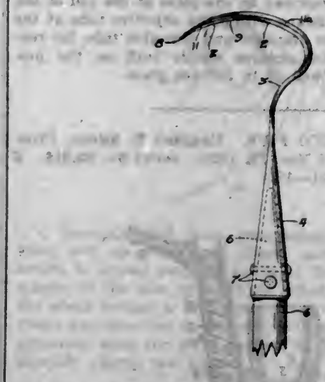
In a composition of the class described comprising substantially three quarts of pure water, one-half pint of nicotine, four ounces of alcohol, four ounces of bluing, one teaspoonful of liquid soap, and eight ounces of onion juice.

1,640,093. TWO-WAY VALVE. KARL O. NELSON and HENRY J. NUNNEMACHER, Milwaukee, Wis. Filed Aug. 7, 1925. Serial No. 48,790. 1 Claim. (Cl. 251—90.)



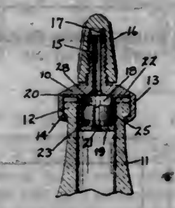
A valve comprising a body portion having an entrance aperture and an outlet aperture and having upwardly extending entrance and outlet ducts opening through the upper face of the body portion, a valve adapted to rotate upon said upper face and having a flat enlarged portion on one side and a pair of bearing arms on the other side of lesser width than the entrance or outlet ducts, a valve spindle having an elongated bearing portion extending through the body of the valve and having a disc-like upper portion seated within a corresponding cavity formed in the body portion of the valve and projecting slightly above the upper face of the body portion, said valve having a similar recess for receiving the projecting portion of the disc-like part of the valve spindle, said valve spindle and valve having interengaging portions, whereby rotary motion may be imparted to said valve by said spindle, said body portion being externally threaded, a closure cap internally threaded and screwed upon the threaded part of the body portion, and a spring interposed between said cap and said valve, the entrance and outlet openings of said body portion being in alignment.

1,640,094. TOOL FOR WEEDING, CULTIVATING, AND LIKE PURPOSES. JOSEPH FREDRICK RAYMOND, Surrey Hills, Melbourne, Victoria, Australia. Filed Mar. 29, 1926, Serial No. 98,252, and in Australia June 27, 1925. 2 Claims. (Cl. 97—58.)



1. An improved hand operated tool for weeding, cultivating and like purposes, comprising a socket portion which is adapted for attachment to a tool handle; an intermediate portion extending sidewardly from said socket portion; and a blade portion having a leading side and a trailing side and which is arched lengthwise into a hook-like form and decreases in width towards its outer end which is pointed, said hook-like blade portion being offset sidewardly in the direction of its width, the leading side of the blade having a relatively sharp beveled edge extending substantially throughout its length and the blade being offset in the direction of its trailing side.

1,640,095. NONREFILLABLE BOTTLE CAP. WILLIAM M. ROGERS, New York, N. Y. Filed Nov. 7, 1925. Serial No. 67,524. 2 Claims. (Cl. 215—21.)



1. A bottle cap comprising a shaker nozzle having an extension to be permanently secured over standard beading of a mouth of a bottle, a washer to be placed at the edge of the bottle mouth, a cylindrical cup-shaped member having a flange to be secured between said washer and extension, and having an aperture in the bottom thereof, a float valve resting on the bottom of said cup-shaped member, and a case hardened disk disposed between said float valve and nozzle, axially reciprocable in said cup-shaped member to impinge against said float valve and nozzle, and being substantially coextensive with the internal diameter of said cup-shaped member, and having liquid passages along the edges thereof.

1,640,096. OBSERVATION INSTRUMENT. PAUL ROSENSTEIN, Berlin, Germany. Filed Feb. 16, 1927, Serial No. 168,616, and in Germany Nov. 24, 1925. 2 Claims. (Cl. 128—7.)



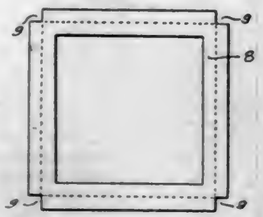
1. An observation instrument consisting of an objective tube terminating in two branches, a projection surface at the end of one branch and an eye glass at the end of the other branch, and means within the objective tube at the junction of the two branches and objective tube for rendering the observed pictures visible both on the projection surface as well as in the eye glass.

1,640,097. TOBACCO PIPE. HERBERT E. SHOOP, Pittsburgh, Pa. Filed Nov. 14, 1925. Serial No. 69,018. 3 Claims. (Cl. 131—12.)



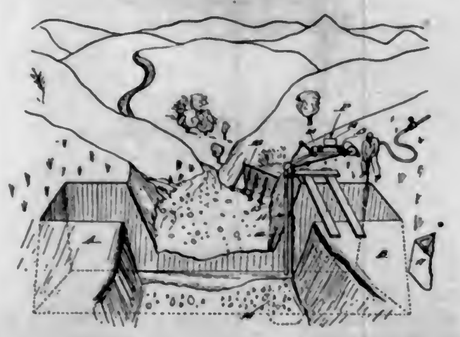
1. In a smoking pipe, the combination of a bowl, a stem containing a well which is open at both ends, a passage connecting the lower portion of said bowl with the lower portion of the well, a mouth-piece connected with the upper portion of the stem and having its passage connected to the upper portion of the well, a removable tapering plug removably inserted in said well, a helical groove on the plug forming a passage for the upward travel of the smoke and the ends of the well being closed by the end portions of the plug when the plug is in place, and a deposit chamber being provided in the well by the termination of said groove below the mouth of the first mentioned passage.

1,640,098. LAP ROBE. JAMES SKOLER, Brooklyn, N. Y. Filed Apr. 16, 1926. Serial No. 102,441. 2 Claims. (Cl. 2—274.)



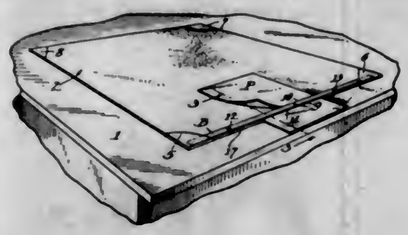
1. A lap robe or the like comprising a central body and a binding of material cut in a single continuous piece to extend completely around the body, the corners of the binding being notched and said binding being folded to lap both sides of the edge of the body, the corners of the binding being seamless on one side and being stitched together adjacent the notches on the other side.

1,640,099. METHOD OF BUILDING STORAGE RESERVOIRS IN DESERT COUNTRIES. CHARLES H. SPENCER, Los Angeles, Calif. Filed July 5, 1924. Serial No. 724,435. 3 Claims. (Cl. 61—30.)



1. The method of constructing an earth fill dam which consists of forming a trench across the stream bed, sinking the trench to an impervious layer, erecting perforate forms in the trench, thoroughly mixing earth containing solubles with water, pouring the mixture into the forms, and allowing the water to drain through the forms carrying with it the solubles from the earth.

1,640,100. BLOTTER-EDGE GUARD AND PAPER CUTTER. LAWRENCE G. SWININGTON, Los Angeles, Calif. Filed Sept. 7, 1926. Serial No. 133,848. 4 Claims. (Cl. 120—2.)



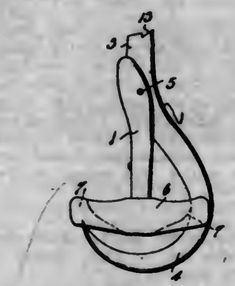
1. A blotter edge guard and paper cutter comprising a metal bar adapted to have its ends inserted under the corner retainers of a desk blotter and having spaced projections extending from its near edge to engage the edge of the desk blotter and hold the bar in place above the edge of the blotter to protect the blotter, said projections spacing the bar from the blotter and allowing paper to be cut to pass between the bar and the blotter.

1,640,101. APPARATUS FOR MAKING CONCRETE PILES. MAXWELL MAYHEW UPSON, Englewood, N. J. Filed Oct. 11, 1924. Serial No. 743,166. 11 Claims. (Cl. 61—78.)

1. Means for forming piles or the like including in combination a shell member and a rod like tool member adapted to be embraced by the shell member, said members having their main bodies spaced from each other, one of said members being provided with a spiral groove and the other member having a single screw thread engaging said groove and forming the only contact between the two members, and means for simultaneously forcing the members into soil or the like without rotating either member.

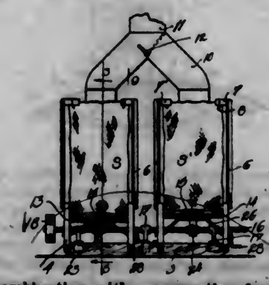


1,640,102. FREIGHT HOOK. JOHN L. VALLIERE, Skowhegan, Me. Filed Sept. 10, 1926. Serial No. 134,667. 4 Claims. (Cl. 294—26.)



1. A freight hook having a shank and a hook portion pivotally mounted thereon, and a handle portion on the shank having recesses to receive the hook portion when folded.

1,640,103. SACK JIGGER. HENRY G. WILLIAMS, Spokane, Wash., assignor of one-half to John M. Packer, Douglas, Wash. Filed Apr. 9, 1926. Serial No. 100,690. 3 Claims. (Cl. 226—55.)



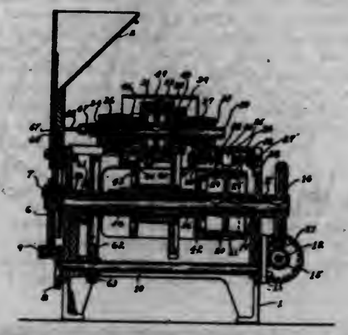
1. The combination with a supporting frame and a stationary sack holder thereon of a reciprocable platform and a pivoted guide link connecting said frame and platform, means for reciprocating the platform, and means for elevating said platform to inoperative position.

1,640,104. ORNAMENTATION FOR SHOES. FREDERICK A. BALLOU, Nayatt, and ROGERS T. STAFFORD, East Providence, R. I., assignors to B. A. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed May 31, 1927. Serial No. 195,270. 3 Claims. (Cl. 41—10.)



1. Ornamentation for a shoe comprising a strap provided with an ornamental theme, said strap being of a length to extend over the instep of the wearer from one margin of the shoe upper to the other, each extremity of the strap having a clip conforming to said ornamental theme and provided on one side with attaching means cooperating with the main portion of the clip unit to removably engage the shoe.

1,640,105. TAPPING MACHINE. HARRY S. BERGEN, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed July 28, 1921. Serial No. 488,107. 4 Claims. (Cl. 10—139.)

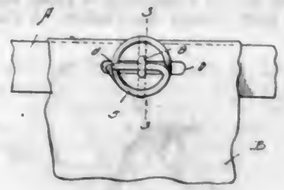


1. In a device of the class described, in combination, a magazine adapted to contain a row of articles to be tapped, there being a passage adjacent said magazine, a threading tool, means for moving said threading tool through said passage and into engagement with an article in said magazine, means for turning said threading tool, means for retracting said threading tool and thereby moving said article from said magazine into said passage, means for reversing the direction of rotation of said threading tool, and means for removing the burr due to the threading operation for said article.

1,640,106. LICENSE-PLATE FASTENER. OBLEY E. BOGAN, Centralia, Ill. Filed Nov. 18, 1926. Serial No. 149,175. 2 Claims. (Cl. 40—125.)

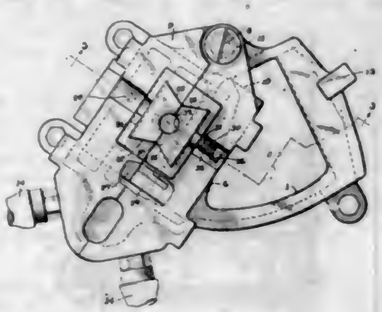
1. In a fastener whereby a license plate may be secured to a supporting bracket, and wherein said plate and bracket are formed with registering slots, an ex-

pansible coil spring, a cotter pin arranged longitudinally through the spring and having the ends of the legs bent outwardly at right angles for overlying the innermost convolute of the spring when the spring is expanded, said bent ends of the cotter pin legs adapted for engagement through the registering slots in the license plate and supporting bracket when the spring is



compressed after which said spring is turned to an extent that the bent ends of the cotter pin will overlie the edges of the slot in the bracket and means between the outer end of the cotter pin and said spring for interconnecting the same, said means consisting of a cross arm at the center of the spring formed integrally with the end most convolute of the spring, said arm engaging through the eyed end of said cotter pin.

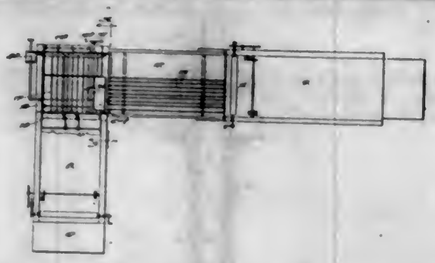
1,640,107. CASTING MOLD. EDWARD BOYLE, Lyndhurst, N. J., assignor to MacCammond-Alexander Corporation, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1925. Serial No. 48,917. 9 Claims. (Cl. 22—153.)



1. A mold for casting metal objects, comprising, in combination, a base plate having a surface adapted to form one side of said objects, a plurality of side molds pivotally mounted on said base plate, said side molds being provided with interchangeable dies for forming objects of different contours.

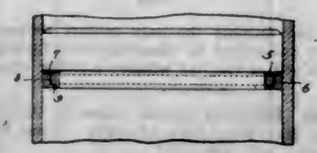
1,640,108. MEANS FOR CHANGING THE DIRECTION OF MOVEMENT OF SHEETS. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a Corporation of Pennsylvania. Filed June 13, 1924. Serial No. 719,893. 18 Claims. (Cl. 271—69.)

1. The combination with two sheet working apparatuses located in angular relation, of means for receiving the sheets from one apparatus and delivering them in an angular direction to the other, said means comprising a rotatable head having air intake openings, means for rotating the head, means for delivering the sheets successively in overlapping relation to the head, and means for causing the head to be inactive during



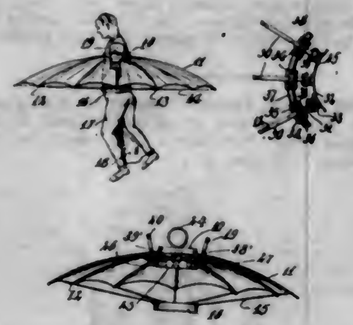
the delivery of the sheet and for causing suction in the head through the intake openings to operate on the sheet when a sheet is in overlapped relation thereto.

1,640,109. PISTON RING. ED BROWN, Washington, D. C. Filed Aug. 30, 1926. Serial No. 132,496. 2 Claims. (74—109.)



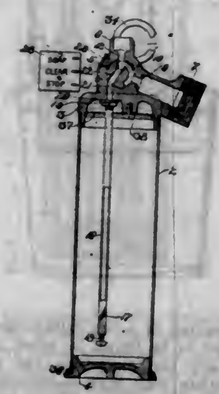
1. A piston ring including an inner section and an outer section, said inner section having upper and lower outer conical surfaces and having a substantially cylindrical surface connecting the conical surfaces, said outer section having upper and lower inner conical surfaces connected by a substantially cylindrical surface, the conical surfaces cooperating to spread the ring vertically, and said cylindrical surfaces being spaced apart to allow movement of one section with respect to the other section.

1,640,110. PARACHUTE SUIT. PAUL BUNEVAC, St. Louis, Mo. Filed Mar. 5, 1927. Serial No. 172,966. 4 Claims. (Cl. 244—21.)



1. In a parachute of the class described, central supporting members adapted to be secured about the body of an individual, a collapsible, air resisting element secured in position concentric to the said supporting members and itself supported by rib members thereto attached, and means to limit the spread of the said collapsible element and to hold it, when open, in a downwardly concave position with respect to the said supporting members, and a web element secured adjacent to the said supporting members and adapted to be attached at its edges to the legs of the aforesaid individual and to be there retained in position between the same.

1,640,111. SPRAYING APPARATUS. WILLIAM CLAUSON, Dorchester, Mass., assignor to U. S. Specialty Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 24, 1921. Serial No. 447,492. 3 Claims. (Cl. 299—84.)



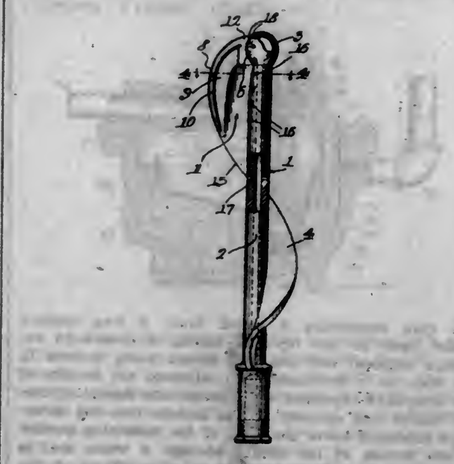
1. An apparatus of the character described comprising a container provided with a head having a valve chamber therein, with supply and discharge ports leading into and out of said chamber, respectively, and having inlet and outlet ports leading from said chamber into said container, a valve mounted in said chamber and controlling the flow of fluid through said head, a by-pass controlled by said valve to direct a portion of said flow through said container, and means independent of said valve for regulating the flow through said by-pass.

1,640,112. ADVERTISING SCALE. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,684. 1 Claim. (Cl. 40—52.)



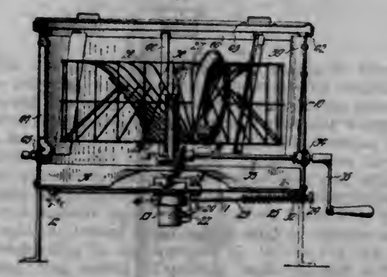
In a device of the class described, in combination, a dial having a window therein, indicating mechanism movable with respect to said dial, a reel located adjacent said window, means actuated by movement of said indicating mechanism for partially rotating said reel, and means actuated by movement of said indicating mechanism for illuminating said reel.

1,640,113. CURETTE. PINNEY ALFRED CURREY, Baker, Oreg. Filed Dec. 1, 1926. Serial No. 152,005. 2 Claims. (Cl. 128—304.)



1. A curette comprising a stem, including a tubular body and an enlarged approximately spherical head on the end of the body; and a blade disposed helically about the body and joined at its inner edge to the body, the blade being joined at one end to the head in a plane parallel to the axis of the body, the blade being tapered transversely from its outer edge inwardly toward its inner edge, throughout a portion of the length of the blade, to form a transverse flange on the outer edge of the blade, and to form a groove extended lengthwise of the blade and located between the body and the flange, the flange being joined at one end to the head, and being tapered in width toward its opposite end; the stem having an outlet.

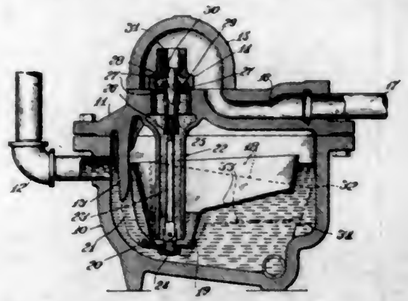
1,640,114. MACHINE FOR WASHING TABLE UTENSILS. ARCHIE DIMATOS and GREGORY DIMITRI MICHAL, Sydney, New South Wales, Australia. Filed Jan. 2, 1926, Serial No. 78,943, and in Australia Feb. 11, 1925. 1 Claim. (Cl. 141—9.)



In a machine for washing tableware, a stationary cylindrical vessel 10, a fixed vertical post 27 centrally mounted in said vessel, with a cone shaped bearing 60 on the top end of said post, a flanged tubular sleeve 30 removably mounted on said post, a rotatable wire

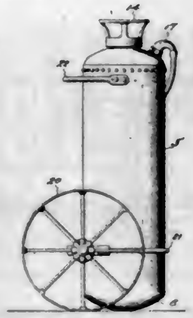
cradle 28 supported by said flanged tubular sleeve, and means for rapidly swirling and splashing water in said vessel, said cradle being slowly revolved by the swirling water.

1,640,115. BUCKET TRAP. FALTEN EIGE, Toronto, Canada, assignor to C. A. Dunham Company, Marshalltown, Iowa, a Corporation of Iowa. Filed Nov. 12, 1923. Serial No. 674,329. 1 Claim. (Cl. 137—103.)



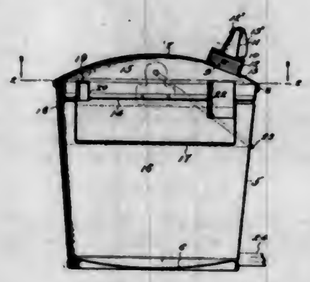
A trap comprising a closed tank, a long shallow bucket open at the top and having a downward extension adjacent one end, the bucket being pivoted in the tank on a horizontal axis adjacent the bottom of the downward extension, a discharge tube depending into the bucket and opening at the bottom into the downward extension below the level of the remaining portion of the bottom of the bucket whereby a water seal is provided for the discharge tube in all positions of the bucket, a valve for opening and closing said discharge tube, connections between the bucket and valve for opening the valve by the downward movement of the bucket and closing the valve when the bucket moves upwards, and means for limiting the downward movement of the bucket at a point where the bottom of the major portion of the bucket is substantially horizontal so that the major portion of the bucket may be entirely drained of its liquid contents through the discharge tube, the upper open top of the bucket being inclined to a point considerably below the maximum liquid level in the tank when the bucket is in its lowered position whereby a substantial portion of the tank contents is drained along with the contents of the bucket.

1,640,116. FIRE-EXTINGUISHING APPARATUS. ORLANDO R. ERWIN, Forest Hills, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 12, 1920. Serial No. 423,511. 5 Claims. (Cl. 169—32.)



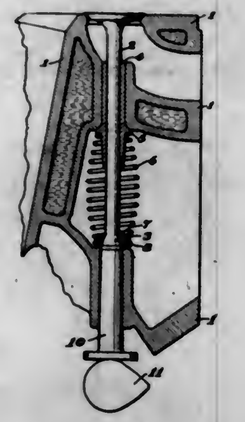
1. A fire extinguisher having means predetermining the axis on which it is adapted to be tipped and the direction of tipping, comprising two solution containers, and a mixing chamber, outlets from both containers to said mixing chamber, and a pressure equaliser opening from the mixing chamber to one of said solution containers arranged on the side of the extinguisher which is highest when tipped.

1,640,117. PAIL EXTINGUISHER. ORLANDO R. ERWIN, Forest Hills, N. Y., assignor to Foamite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 16, 1920, Serial No. 424,400. Renewed Sept. 11, 1924. 14 Claims. (Cl. 169—34.)



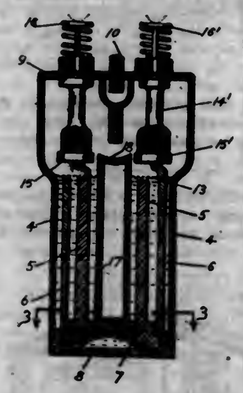
1. The combination in a fire extinguisher of the kind described adapted to be tipped in either direction on a pre-determined axis and comprising two receptacles for solutions, of outlets from both receptacles arranged on the side of the device which is lowest when tipped, and means for transmitting the pressure resulting from the commingling solutions to the said receptacles on the upper side of the device, the openings being so arranged that the device has the same action when tipped in either direction.

1,640,118. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. HENRY FORD, Dearborn, Mich. Filed Apr. 22, 1926. Serial No. 103,956. 3 Claims. (Cl. 251—144.)



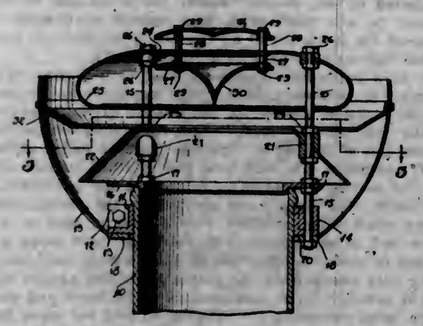
1. In a valve mechanism for internal combustion engines, the combination of an engine block with a valve-stem provided with a valve on one end thereof and having its opposite end flared, a split bushing in which the valve-stem is adapted to be reciprocated, a member adapted to fit the flared end of the valve stem and having a segment slightly wider than the least diameter of the valve-stem cut away, and a resilient member supported by said first named member.

1,640,119. ELECTRIC ACCUMULATOR FOR HAND-LAMPS. CHARLES RUPERT FOWLER and EDRIC MILBURN ROBERTS, Bulli, New South Wales, Australia. Filed Sept. 25, 1925, Serial No. 58,554, and in Australia Apr. 22, 1925. 1 Claim. (Cl. 136—163.)



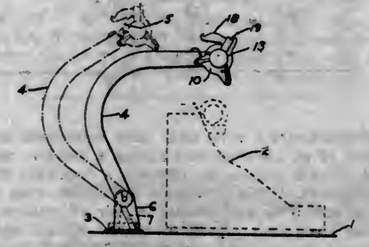
An electric accumulator which comprises a casing or container holding a body of electrolyte and annular positive and negative plates submerged in said electrolyte and connected respectively to external contacts, venting means comprising a cup shaped chamber making fluid tight contact at its upper edge with the inside of the top of the casing, an outer tube passing through the casing top into said chamber, and an inner tube extending downwardly from the bottom of said chamber, the lower end of said inner tube terminating above the normal level of the electrolyte, a cross piece in the bottom of the casing and on which said plates are arranged and a sealed tubular filler arranged on the center of the cross piece and within the inner annular plate, said filler having a dished top arranged under and spaced from the lower end of the inner tube of said cup so that said filler forms a baffle.

1,640,120. SPARK CONSUMER. CARL F. GERLINGER, Dallas, Oreg. Filed Oct. 4, 1926. Serial No. 139,527. 2 Claims. (Cl. 183—103.)



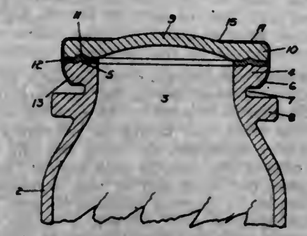
1. In a spark consumer, a main bowl member adapted to surround a stack, means to support said member on a stack, an annular hood having an inwardly turned outer edge extending beneath the body thereof, said hood being positioned within the upper part of the bowl in inwardly spaced concentric relation thereto, a core deflector having a central depending point and spaced below the opening in the annular hood to close direct passage of fluid therethrough, a deflector disk spaced above said opening, a frusto-conical inside deflector spaced below the outer portion of the hood, and an inverted frusto-conical deflector ring fixed within the bowl below the space between the bowl and hood.

1,640,121. COPYHOLDER. WILLIAM H. GLEESON, San Francisco, Calif. Filed Sept. 10, 1924. Serial No. 736,882. 5 Claims. (Cl. 120—30.)



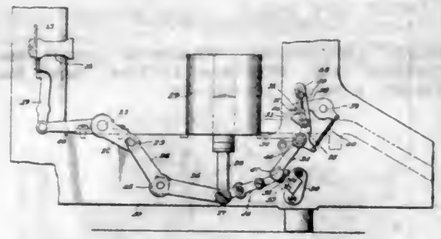
1. A copy-holder comprising the combination of a base adapted to be mounted on a typewriter support rearwardly of the typewriter thereon, an upwardly and forwardly extending relatively heavy arm pivotally mounted on the base, a copy-holding roll mounted on the forwardly extending portion of the arm, means for rotating the roll to move a copy held thereby, the arm extending about the rear and top of the typewriter in the forward position thereof and being positioned rearwardly away therefrom in the rearward position thereof, and a stop for limiting the forward movement of the arm, the arm being held in the forward position against the stop by its own weight.

1,640,122. JAR CLOSURE. SMITH A. HOGE, Rices Landing, Pa. Filed Sept. 16, 1924. Serial No. 738,017. 1 Claim. (Cl. 215—95.)



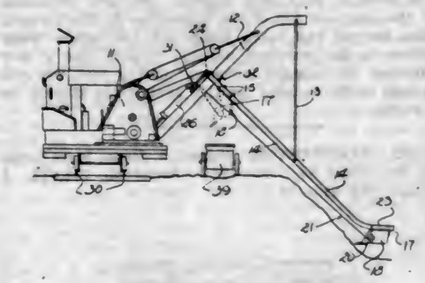
The combination with a fruit jar having an upper flat top provided with an upwardly extending annular rib between its inner and outer edges, said top extending laterally from the jar, providing a clamping flange having an upper right angle corner portion forming a full bearing seat and an inwardly rounded lower clamping edge, a lower laterally extending holding ring extending beyond the periphery of the top with an intervening contracted annular neck channel, a cover adapted to be laid on said top having a flat bottom with an annular groove corresponding to the annular rib of the top, an intervening ring gasket of packing material, and a hollow center clamping ring therefor of thin sheet metal adapted to embrace the upper outer portion of the cover and having a continuously fluted depending resilient skirt portion adapted to be tightly clamped around the lower clamping edge of the top, substantially as set forth.

1,640,123. BACK SPACER FOR TYPEWRITERS. OTTO A. HOKANSON and JAMES F. KOCA, Woodstock, Ill., assignors to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Nov. 6, 1925. Serial No. 67,197. 5 Claims. (Cl. 197—91.)



1. The combination with back space mechanism for a typewriter, of an electromagnet having a plunger, means operated by said plunger for effecting a backward letter space movement of said back space mechanism when said plunger is moved by said magnet, a pair of contacts for controlling the circuit of said magnet, a spring tending to close said contacts, a detent for holding said contacts open, and a back space lever for releasing said detent.

1,640,124. JIB-CRANE EXCAVATOR. SAMUEL KING, Carlingford, New South Wales, Australia. Filed July 3, 1924, Serial No. 724,098, and in Australia July 31, 1923. 7 Claims. (Cl. 214—102.)



1. An excavator comprising a crane having a jib, a ram on the crane, a member having its end pivotally connected to the movable member of the ram for movement thereby on the crane and having an outwardly turned lower end, a stay connecting the crane and said member at a point midway the ends of said member, means to raise and lower the crane and to also correspondingly move said member, a carriage mounted on said member for movement longitudinally thereof, a bucket on the underside of said member pivotally connected at its outer, closed end to said carriage and having its inner, open end presented toward the crane, a cord attached to the carriage and slidably connected to the open end of the bucket, and means to operate said cord to first hold the bucket substantially parallel with the carriage, to then draw the bucket and carriage upwardly on the underside of said member and to finally release said bucket to enable it to swing downwardly and outwardly and discharge its contents from its open end when the bucket has reached a desired elevation.

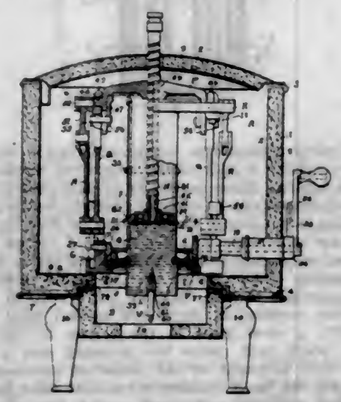
1,640,125. INSTRUCTION DEVICE FOR MUSICAL INSTRUMENTS. HEBER C. KLINK, Toledo, Ohio. Filed Oct. 23, 1924. Serial No. 745,391. 2 Claims. (Cl. 84—315.)

1. A skeleton note location instruction device for attaching to the tapering neck of a stringed musical instrument comprising a pair of integral main strips positioned in converging planes, supplemental strips upstanding from



the main strips and extending transversely therebetween, to provide clearway regions and keys carried by the supplemental strips unobstructing the clearway regions.

1,640,126. PORTIONING MACHINE. LUTHER L. KNOX, Bellevue Borough, and WILLIAM H. LEWIS, Pittsburgh, Pa. Filed June 16, 1923. Serial No. 645,722. 11 Claims. (Cl. 31—13.)



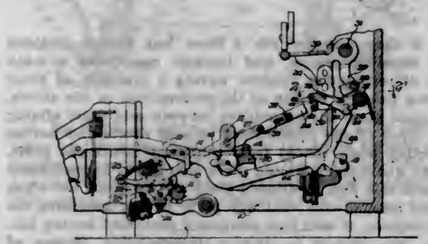
1. In a portioning machine having a rotary dispensing tube adapted to contain a bar of the substance to be portioned, a piston in said tube, means whereby the rotation of said tube causes said piston to travel along the same whereby the end of said bar will be progressively extruded from the tube, and means for intermittently slicing off the protruded end of said bar to form the portions, the combination of toggle mechanism operatively connected to said piston whereby the latter may be advanced in said tube when said tube is stationary to compact the substance to fill the full cross sectional area of the tube at substantially uniform density.

8. In a portioning machine having a dispensing tube adapted to contain a bar of the substance to be portioned, a piston working in the tube to extrude the end of the said bar therefrom, means for slicing off the extruded end of the bar to form the portions and a piston shaft extending into said tube and attached to said piston for moving the same in said tube, the combination therewith of a drop valve carried by the piston, said piston shaft being provided with a passage open at its outer end to atmosphere and the drop valve being arranged to close the inner end of said passage, said valve being held closed when the piston is pressed against the end of said bar of the substance to be portioned and said valve being opened by its adhesion to said bar when the piston is moved away from said bar for the purpose described.

9. In a portioning machine having an outer enclosing casing, means within said casing for containing a refrigerant, a dispensing tube within said casing adapted to be subjected to the influence of the refrigerant and adapted to receive the substance to be portioned, said tube having its discharge end extending through an opening in said casing, and means for extruding the substance from the discharge end of said tube, the combination therewith of a shielding means constituting part of said casing and surrounding the discharge end of said tube, said shielding means being spaced away from the tube to form therewith an air passage surrounding said tube for the downward passage of refrigerated air from the interior of said casing.

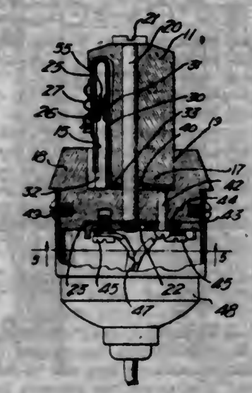
11. In a portioning machine, having a rotary dispensing tube adapted to contain a bar of the substance to be portioned, a piston working in said tube and rotating therewith, means whereby the rotation of said tube causes said piston to be advanced along the latter to extrude the bar from the discharge end of said tube, and means for slicing the extruded end of the bar to form portions, the combinations of quick-action means for moving said piston along said tube when the latter is stationary to compact the substance of the bar to fill the full cross sectional area of the tube, the discharge end of said tube being provided with an internal resistance-member which resists the extrusion of said bar, thereby assisting in compacting.

1,640,127. CASE-SHIFT MECHANISM. JAMES F. KOCA, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a Corporation of Illinois. Filed Jan. 10, 1925. Serial No. 1,530. 5 Claims. (Cl. 197—73.)



1. Typewriter mechanism comprising a pivoted shift frame, a stop mounted on said shift frame, a spring actuated detent having a shoulder for engaging said stop, a release dog movably connected on said detent adjacent said shoulder for engaging said stop to disconnect said detent from said stop, a shift lever, and means for connecting said shift lever with said dog.

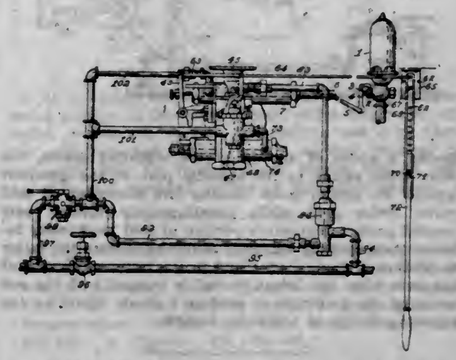
1,640,128. EXPANDING PLUG. LOUIS P. KOVANDA, Los Angeles, Calif. Filed Sept. 30, 1922. Serial No. 591,548. 4 Claims. (Cl. 173—360.)



1. In an expanding plug for electric light sockets having screw threads in the walls thereof and a contact member at the bottom thereof, the combination of: a body

adapted to be inserted in a socket; said body having longitudinal channels in the periphery thereof, the bottom walls of said channels sloping inwardly in a forward direction toward the entering end of the body; U-shaped spring members respectively disposed in said channels with their inner legs connected and their return bends toward the entering end of the body; threaded engagement segments mounted on the outer legs of said U-shaped spring members to be maintained in engagement with the threads in said socket; and a contact on the forward end of said body for engaging said contact member at the bottom of said socket.

1,640,129. SIGNALING APPARATUS. WILLIAM G. LAMB, Waterloo, Iowa, assignor to National Safety Devices Company, Waterloo, Iowa. Filed Apr. 8, 1926. Serial No. 100,656. 2 Claims. (Cl. 116—24.)

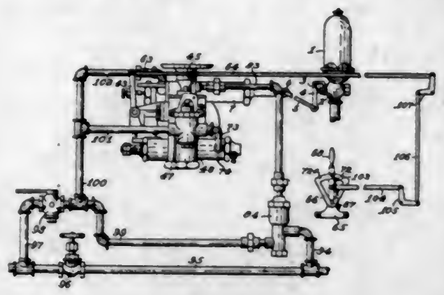


2. In an apparatus of the character described, a signaling device, mechanism for actuating said signaling device with a predetermined series of actuations, said mechanism including limitedly movable coupled parts entrained between but unconnected with associated elements of the mechanism, an operating valve device also included in the mechanism, a lever composed of adjustably connected parts suspended swingingly near its upper end, stops fixed at opposite sides of the lever to limit its oppositely swinging movements, and connections between the upper end of the lever and a movable part of the valve device and between the lever and one of said movably coupled parts, permitting the lever to be swung to one side to move the last-mentioned coupled part idly while simultaneously shifting said valve device part to actuate the valve and with it said mechanism for producing a series of signals by the signaling device, the lever when swung to the opposite side from its normally pendent position causing idle movement of said valve device part while simultaneously moving both said coupled parts in a direction to actuate the portion of said mechanism between them and the signaling device to operate the latter to produce a single signal.

1,640,130. SIGNALING APPARATUS. WILLIAM G. LAMB, Waterloo, Iowa, assignor to National Safety Devices Company, Waterloo, Iowa. Filed Apr. 27, 1926. Serial No. 104,944. 2 Claims. (Cl. 116—24.)

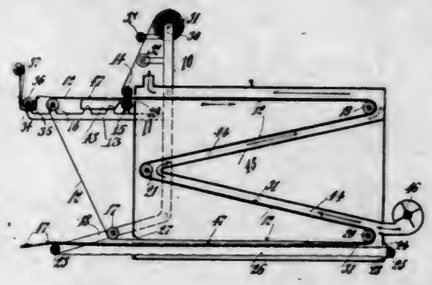
2. In an apparatus of the character described, a signaling device, mechanism for actuating said signaling device with a predetermined series of actuations, said mechanism including limitedly movable coupled parts entrained between but unconnected with associated elements of the mechanism, an operating valve device also included in said mechanism, a quadrant having a medial notch and a notch near one end only, a lever pivoted abutting said quadrant having a resiliently controlled detent mounted movably thereon adapted to ride upon the quadrant to engage either notch, resilient means connected to said lever

adapted to be placed under tension when the lever is moved in either direction away from said medial notch, and connections between said lever and a movable part of the valve device and between the lever and one of said movably coupled parts, permitting the lever to be swung in one direction along the quadrant to the end thereof having no notch to move the last-mentioned coupled part idly while simultaneously shifting said valve device part to actuate the valve and with it said mechanism for pro-



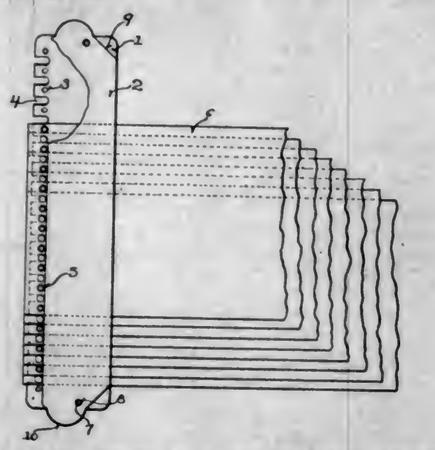
ducing a series of signals by the signaling device, the lever when swung to the opposite part of the quadrant beyond the medial notch causing idle movement of said valve device part while simultaneously moving said coupled parts to actuate a portion of said mechanism between them and the signaling device to operate the latter to produce a single signal, and in the latter movement of the lever when the detent thereof is engaged with the end notch of the quadrant, to produce a single signal by the signaling device of indefinite duration.

1,640,131. MACHINE FOR SQUEEGEEING, MOUNTING, AND DRYING PHOTOGRAPHIC PRINTS. JAMES A. MACBRIDE, Kearny, and ALFRED E. PETZER, Perth Amboy, N. J. Filed July 3, 1924, Serial No. 724,167. Renewed Jan. 21, 1927. 7 Claims. (Cl. 216—20.)



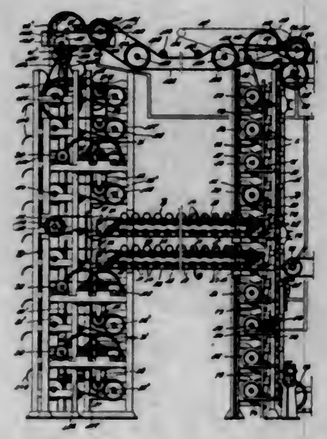
1. In a machine for squeegeeing, mounting and drying photographic prints, the combination of a drying chamber, a system of guide rolls operatively arranged with relation to said drying chamber, an endless belt conveyor to receive the wet print, said conveyor engaging aforesaid guide rolls, and being of hard tough material capable of receiving the special finish desired to be impressed upon the face of the print, a pair of squeezing rolls in cooperative relation with each other by means of the endless belt conveyor, means to impart motion to the squeezing rolls thereby starting the endless belt conveyor, a space for applying the wet print to the endless belt conveyor, means to pass a strip of moist adhesive backing material unto the conveyor, and means for passing air through the drying chamber.

1,640,132. SHEET INSERTER. HENRY C. MILLER, Milwaukee, Wis.; First Wisconsin Trust Company, Milwaukee, Wis., executor of said Henry C. Miller, deceased. Filed Aug. 25, 1926. Serial No. 131,392. 3 Claims. (Cl. 129—1.)



1. A sheet inserter for a loose leaf binder provided with impaling prongs, said inserter comprising a main plate of rectangular contour having a plurality of posts adapted to enter certain of the perforations in the sheets, said main plate having notches between said posts alining with other of the perforations of said sheets and having projecting posts spaced from said first mentioned posts, and an auxiliary retaining plate adapted to be positioned opposite said first mentioned plate and adjacent the edges of said sheets, said auxiliary plate having apertures for the reception of said last mentioned posts and having cut-away rear corners to expose corresponding corners of said first mentioned plate.

1,640,133. APPARATUS FOR HANDLING PULP TUBES OR THE LIKE. HOWARD PARKER, Berlin, N. H., assignor to Brown Company, Portland, Me., a Corporation of Maine. Original application filed Mar. 3, 1923, Serial No. 622,610. Divided and this application filed Nov. 28, 1924. Serial No. 752,577. 26 Claims. (Cl. 198—27.)



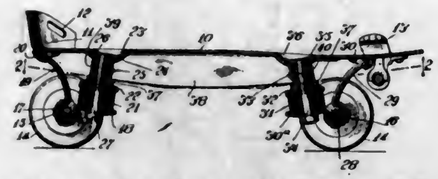
1. In an apparatus of the character described, a carrier having a pair of endless chains, pairs of alined members each carried by one link of a chain and having extensions

overlying a number of links of the chain, and rollers journalled in said members.

3. In combination, a drier, a carrier within the drier and having transversely extending supporting rollers, means to deliver articles singly to between the rollers of the carrier, a drive mechanism driven in timed relation to said delivery means to advance said carrier intermittently upon delivery of such articles to the carrier, and a control mechanism to vary the distance said carrier is advanced at each such delivery.

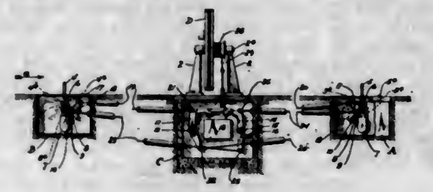
8. In an apparatus of the character described, a carrier, a pair of shifting arms at the forward end of said carrier, means for moving the carrier forward a portion of a step and simultaneously moving the arms backwardly, and then completing the step movement of the carrier and moving the arms forwardly.

1,640,134. ROLLER SKATE. GUSTAVE R. SALBERG, Chicago, Ill., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1926. Serial No. 117,439. 17 Claims. (Cl. 208—179.)



1. In a roller skate, the combination of a truck, a plate having a rounded recess in its upper surface and a hanger for securing the truck to the plate provided with a head having a rounded under surface for bearing movably against the rounded surface of said recess.

1,640,135. GATE. ROBERT A. SALLEE, Point Richmond, Calif. Filed Dec. 21, 1925. Serial No. 76,565. 4 Claims. (Cl. 39—60.)

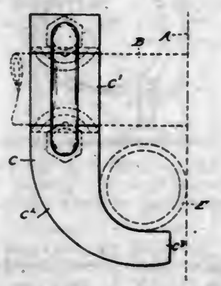


1. A device of the character described, comprising a gate adapted to normally assume a horizontal position crosswise of a roadway, a horizontal pivotal support for one end of the gate, a main counter-weight attached to the end of the gate and adjacent the pivot, an auxiliary counter-weight, mounted for vertical movement, means whereby vertical movement of the auxiliary weight in one direction is transmitted to open the gate and vertical movement in the other direction permits closing of the gate, and means actuated by the wheels of a vehicle for imparting vertical movement to the auxiliary weight.

1,640,136. ADHESIVE PASTE. RALPH B. SMITH, Endicott, N. Y. Filed Apr. 26, 1926. Serial No. 104,840. 1 Claim. (Cl. 87—17.)

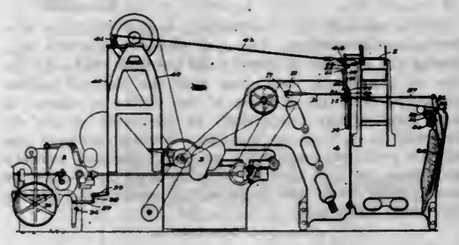
A boiled adhesive paste comprising one gallon of sour cow's milk, an aqueous extract made from boiling one-fourth pound of flax seed meal in one pint of water and filtering and pressing out the extract, two ounces spring wheat flour, two ounces of laundry starch, and water sufficient in quantity to form a paste, to which, after the boiling, two ounces of leather dust has been added.

1,640,137. BOILER CLEANER. WILLIS P. THOMAS, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Apr. 28, 1919. Serial No. 293,155. 5 Claims. (Cl. 122—392.)



1. In a boiler cleaner, the combination with an extended portion of the boiler surface and a boiler tube extended transversely thereto, of a blower tube lying adjacent said extended surface, and a member clamped to said boiler tube for retaining said blower tube in contact with said extended portion of the boiler surface.

1,640,138. CONTROLLING APPARATUS FOR COTTON-DISTRIBUTING MECHANISMS. JOHN WILLIAM WOODWARD, Lawrence, Mass., assignor, by mesne assignments, to Kitson Machine Shop, a Corporation of Massachusetts. Filed Nov. 16, 1923. Serial No. 675,141. 8 Claims. (Cl. 19—69.)

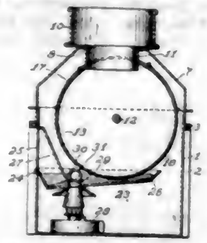


1. In a cotton handling apparatus, the combination of a cotton working machine, automatic means for supplying cotton thereto comprising a conveyor and a gate movable into and out of position to discharge cotton from said conveyor into said machine, automatic mechanism for controlling said gate in accordance with variations in the supply of cotton in the machine, and means for operating said gate to cut off the delivery of cotton to the machine when the machine is stopped.

1,640,139. FEEDER FOR LIQUID FOODS. CRENO P. BENTENGA, Marshalltown, Iowa, assignor to Marshalltown Sheet Metal Works, Marshalltown, Iowa. Filed July 18, 1925, Serial No. 44,608. Renewed Apr. 7, 1927. 3 Claims. (Cl. 119—73.)

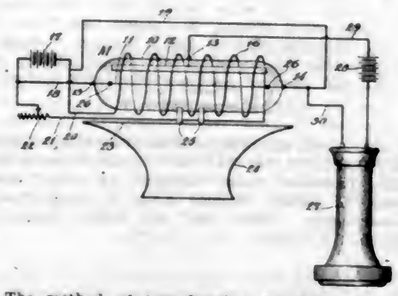
1. A device of the character described, comprising a container with open top to receive liquid food, a closed tank supported rotatably above and to dip into said container and having a peripheral wall opening to be immersed therein in one position of the tank, a closure for said opening slidably mounted on the tank to be shifted

to and fro circumferentially, and a flexible encompassing connection passed completely about the tank connected



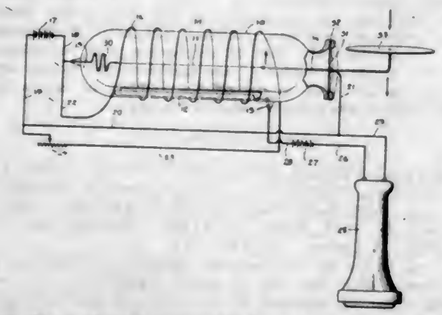
at its ends to opposite ends of the closure for manually shifting the closure from any part of the connection around said tank to open or closed positions.

1,640,140. METHOD OF AND APPARATUS FOR ELECTRICALLY PRODUCING SOUND. THEODORE BODDE, Niagara Falls, N. Y. Filed Jan. 17, 1923, Serial No. 613,273. Renewed Jan. 7, 1927. 18 Claims. (Cl. 179—121.)



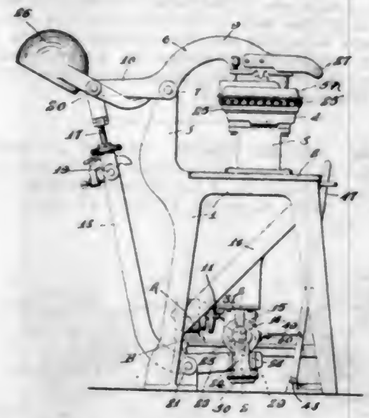
1. The method of transforming sound impulses into corresponding electrical impulses which consists in subjecting the electron stream of an electron discharge device to a magnetic field such that the electron stream emanating from the cathode of the device is caused to move substantially tangentially to the anode of the device and in setting up relative vibration between the cathode and anode responsive to sound impulses whereby variations in the electron stream impinging upon or touching the anode are produced in correspondence with the sound impulses.

1,640,141. METHOD OF AND APPARATUS FOR ELECTRICALLY PRODUCING SOUND. THEODORE BODDE, Niagara Falls, N. Y. Filed July 5, 1924, Serial No. 724,379. Renewed Jan. 7, 1927. 10 Claims. (Cl. 179—121.)



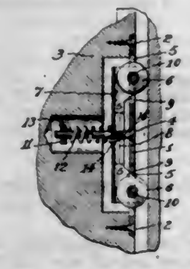
4. The method of transforming sound impulses into corresponding electrical impulses which consists in vibrating the cathode of an electron discharge device relatively to the anode in response to sound impulses to vary the condition of the electron stream emanating from the cathode and moving to the anode.

1,640,142. GARMENT-PRESSING MACHINE. AQUILA R. BRAUN, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed July 11, 1923. Serial No. 650,806. 13 Claims. (Cl. 68—9.)



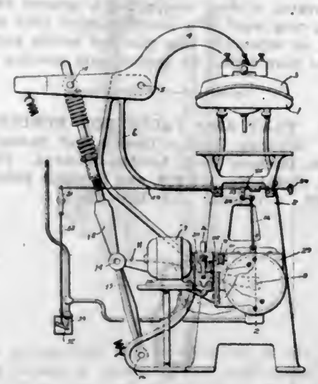
1. In a pressing machine, the combination of coacting pressing elements having relative movement one toward and from the other, a lever pivoted between its ends, one arm thereof carrying the movable pressing element, power means, motion transmitting connections between the power means and the other arm of said lever including a part shiftable into and out of connection with the power means, spring means normally ineffective on said lever and arranged to come into action to be effective on said lever after said part has been shifted into effective connection with the power means and the movable element is actuated by the power means, said spring means tending to separate the pressing elements and to open the press, said part being movable into effective connection with the power means by a preliminary closing of the movable element and manual means operable to control the shifting of said part out of effective position when the press is closed and thereby permit the spring means to react to open the press.

1,640,143. WINDOW FIXTURE. LOUIS A. CORCORAN, Indianapolis, Ind., assignor to Stanley Barnes, Indianapolis, Ind. Filed Apr. 25, 1925. Serial No. 25,909. 3 Claims. (Cl. 292—15.)



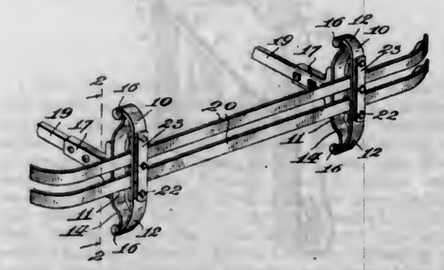
1. An inaccessible spring tensioning means comprising an abutment element, a bolt having its shank extending therethrough and forwardly and rearwardly thereof, a spring mounted on said shank rearwardly of said element, the forward terminal portion of said spring engaging in said element to hold the spring from rotation, a polygonal shaped nut mounted on said shank rearwardly of said spring, and a projection carried by the rear end of the spring and engaging one side of the nut to prevent rotation of the latter relative to the spring; the said forward terminal portion of said spring associating with said shank forwardly of said element for preventing accidental, while permitting forced, rotation of the bolt relative to the spring and nut.

1,640,144. MECHANISM FOR PRESSING MACHINES HAVING A START AND STOP MOTOR. JOSEPH P. DALY, Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 4, 1924. Serial No. 735,819. 5 Claims. (Cl. 68—9.)



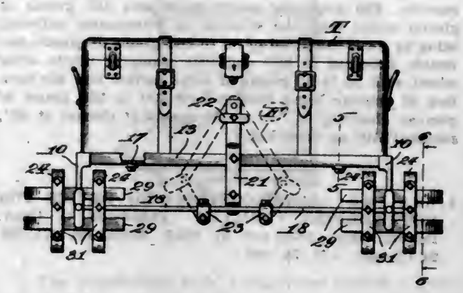
1. In a pressing machine, the combination of cooperating pressing elements one of which is movable toward and from the other, means for actuating the movable element including a start and stop motor, an intermittently rotatable shaft normally disconnected from the motor, motion transmitting means between the shaft and the movable element, a switch for closing the circuit through the motor, manually operable means for closing the switch, and an automatically operable controller movable with the shaft to maintain the circuit closed through the motor and break the circuit at the end of each intermittent operation and means controlled by said manually operable means for connecting the shaft to the motor after the switch has been closed and the motor started.

1,640,145. AUTOMOBILE BUMPER AND SUPPORT. WILLIAM W. DONEGAN, Los Angeles, Calif. Filed Sept. 16, 1926. Serial No. 135,768. 9 Claims. (Cl. 293—55.)



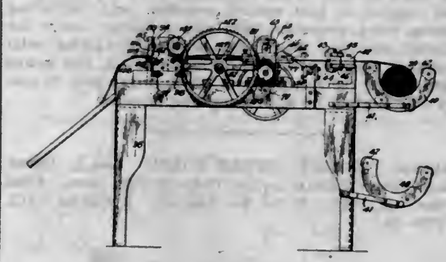
1. In an automobile bumper, a pair of vertically disposed substantially oval loops formed of resilient material, a horizontally disposed flanged bumper bar positioned against the inner faces of the front portions of said vertically disposed resilient loops and clips secured to the inner faces of the front members of said vertically disposed resilient loops and engaging the flanges of said bumper bar.

1,640,146. COMBINATION AUTOMOBILE BUMPER AND TRUNK RACK. WILLIAM W. DONEGAN, Los Angeles, Calif. Filed Oct. 11, 1926. Serial No. 140,792. 11 Claims. (Cl. 293—55.)



1. A combination automobile bumper and trunk rack comprising a pair of side frames adapted to be secured directly to the side members of an automobile frame, a bar connecting the lower portions of said side frames, pairs of vertically disposed loops secured to the ends of said bar and horizontally disposed bumper bars secured to said vertically disposed loops.

1,640,147. MACHINE FOR PREPARING METAL STRIPS. JOHN M. FEDDERS, Buffalo, and FRANK H. STOLP, Geneva, N. Y., assignors to Fedders Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed May 5, 1925. Serial No. 28,088. 7 Claims. (Cl. 153—2.)

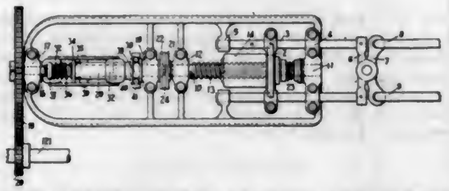


1. A machine for preparing strips of metal comprising two die members, each member having a plurality of V-shaped die teeth adapted to engage between adjacent teeth of the other die member, the opposite ends of the summits of the teeth of each member having flat faces and the valley between adjacent teeth also having flat faces and adapted to co-operate with the corresponding flat faces of the other member and the summits of each tooth on one member being provided between the corresponding flat faces with grooves and the valleys between adjacent teeth thereof being provided with a rib between the flat faces therein and adapted to co-operate with corresponding grooves and ribs on the other die member and the sides of a tooth of each die member being provided with a deflecting punch and with a deflecting recess adapted to co-operate with a deflecting recess and punch of the other die member.

1,640,148. PROCESS FOR PROTECTING THE GELATIN COATING OF PHOTOGRAPHIC PLATES AND FILMS. CRESZENZIA GLASER, née Pietti, Paris, France. Filed Oct. 7, 1926, Serial No. 140,204, and in France June 14, 1926. 1 Claim. (Cl. 91—68.)

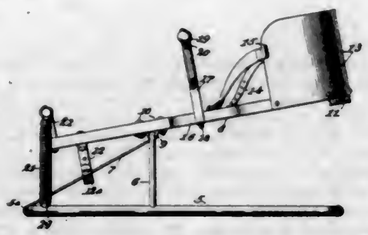
Process for protecting and rendering impervious the layer of gelatin made sensitive with silver salts, of photographic plates made of glass sheets or on films constituted by sheets of celluloid or other similar plastic material, this process consisting in putting on the plates a coating comprising, for 1000 grams, 300 grams of a solution of transparent celluloid, 150 grams of a solution of gum-lac, 450 grams of acetic ether and 150 grams of glacial acetic acid, the solution of transparent celluloid being by itself composed of 85 to 100 grams of plastic materials dissolved in 800 and 850 grams of acetic ether mixed with 35 to 50 grams of amyl acetate and the solution of gum-lac being composed of 200 to 250 grams of gum-lac dissolved in 700 to 750 grams of alcohol at 96°, substantially as described.

1,640,149. SPEED-CONTROLLING DEVICE FOR MOTOR-DRIVEN VEHICLES. FREDERICK O. GRAY, Dayton, Ohio. Filed Oct. 27, 1923. Serial No. 671,094. 24 Claims. (Cl. 74—96.)



1. In a speed controlling mechanism, a motor driven part, an actuating device, means for connecting said actuating device with a part to be operated, a shaft normally connected with said motor driven part, a connecting member mounted on said shaft for rotation therewith, said shaft and said member having cooperating parts to cause said member to move lengthwise of said shaft when said member is held against rotation, said connecting member being connected with said actuating device for rotation relatively thereto but being held against axial movement relatively to said actuating device, and means controlled by the speed of said motor driven part to control the rotation of said connecting member.

1,640,150. CHILD'S TEETER BOARD. LEO L. HENRY and EDWIN HETHERINGTON, Cedar Rapids, Iowa. Filed Nov. 18, 1926. Serial No. 149,071. 3 Claims. (Cl. 272—55.)



1. A child's teeter-board, comprising a skeleton base of tubular steel, an arch rising therefrom, a brace connecting the arch and base, a seat-board mounted rockably on the arch, and having an upstanding cleat, studs projecting therefrom, lugs carried pivotally by said studs, and springs connecting said lugs and base.

1,640,151. PACKING RING FOR PISTONS. ALBERT C. HOUCKER, Collinsville, Ill. Filed Jan. 15, 1923. Serial No. 612,822. 3 Claims. (Cl. 74—109.)



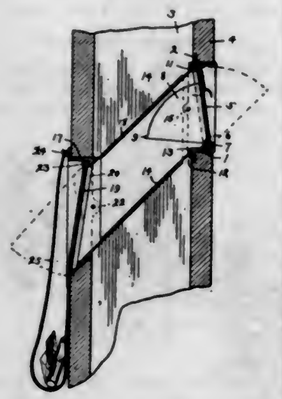
1. A packing element comprising a grooved base ring, a wearing ring made of a material softer than said base ring, and an expanding ring mounted within said groove adapted to bear outwardly against said wearing ring.

1,640,152. TEAT AND VALVE FOR FEEDING BOTTLES. WILLIAM CONRAD INGRAM and ERNEST JAMES EVERETT, Hackney Wick, London, England. Filed Jan. 4, 1927, Serial No. 158,939, and in Great Britain Nov. 25, 1926. 3 Claims. (Cl. 128—252.)



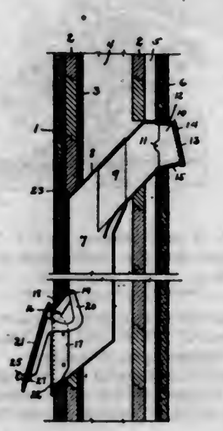
1. A perforated closure device for a feeding bottle having a body, an inner broad band of india rubber, and a strengthening strip of india rubber of less width than the said broad band and located between the broad band and the body of the closure device substantially as set forth.

1,640,153. MAIL BOX. OLE O. KOLSTAD, Duluth, Minn. Filed Apr. 14, 1924. Serial No. 706,232. 3 Claims. (Cl. 232—19.)



3. The combination with a wall, of an inclined mail chute having a receiving door and a discharge door, a frame for each door having means cooperating with its respective end of the chute whereby the frame and chute are jointly attached to the wall.

1,640,154. MAIL BOX. OLE O. KOLSTAD, Duluth, Minn. Filed Jan. 6, 1926. Serial No. 79,684. 2 Claims. (Cl. 232—19.)



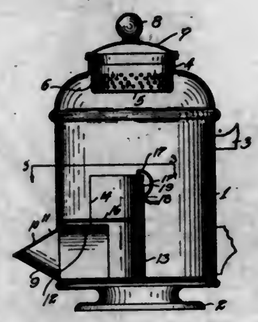
1. The combination with a mail box of the character described having a receiving door and frame therefor, the upper horizontal wall of said frame having a flange forming a shoulder or stop for the door inboard of which the upper edge of the door is engaged when closed, an inwardly projecting flange formed integral with the door upon the two sides and bottom thereof for overlapping engagement with the cooperative sides and bottom of the door frame.

1,640,155. PISTON-RING SPRING PACKING. ARTHUR B. LOW, Denver, Colo. Filed Mar. 30, 1925. Serial No. 19,417. 9 Claims. (Cl. 74—109.)



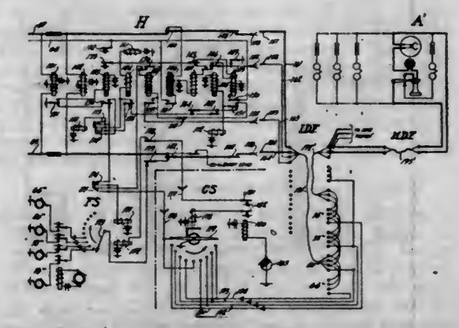
1. The combination with a piston having a piston ring groove and a piston ring therefor, of an auxiliary ring-like band spring packing, having its respective border edge extremities of uniformly continuous but of relatively greater and lesser diameter than the intermediate body portion thereof, mounted within said groove and longitudinally partitioning the space behind said piston ring into two annular chambers, respectively encompassing the intermediate outer and inner peripheral faces thereof, with its border extremity of greater diameter expansibly engaging said piston ring, in annular leak-proof relation, and with its border extremity of lesser diameter snugly engaging the wall surface of said groove in annular leak-proof relation.

1,640,156. SUGAR BOWL. HENRY PETERMAN, Wallace, Idaho, assignor of one-third to Charles Statler and one-third to Olgard Johnson, Wallace, Idaho. Filed Dec. 28, 1926. Serial No. 157,437. 3 Claims. (Cl. 221—98.)



1. The combination with a sugar-bowl having a pouring spout at its bottom and an interior, open end trap chamber communicating with the spout, of an upright partition spaced from the rear or inner open end of the chamber, and an adjustable, horizontal gate co-acting with said partition, above the chamber.

1,640,157. PARTY-LINE AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, and JOHN I. BELLAMY, Brookfield, Ill., assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Feb. 1, 1923, Serial No. 616,429. Renewed Jan. 5, 1927. 26 Claims. (Cl. 179—17.)

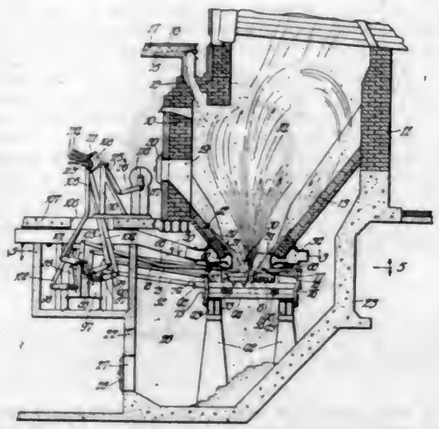


14. In a telephone system, a party line, a connector having access to said line over a plurality of branches, a frequency selector individual to said connector, and means individual to each branch for controlling said frequency selector.

1,640,158. FURNACE. JOHN F. O. STRATTON, Chicago, Ill. Filed Aug. 26, 1925. Serial No. 52,998. 21 Claims. (Cl. 110—72.)

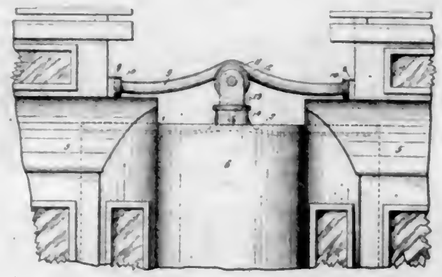
1. A furnace having, in combination, a combustion chamber, a throat formed in the bottom of said combustion chamber, an air pressure chamber below said throat, movable intercepting means directly beneath said throat, said intercepting means consisting of a plurality

of independently movable sections spaced apart to define a space for directing a blast of air from said pressure chamber into said combustion chamber, means for moving



said sections in unison to shift said space back and forth across said throat, and means movable oppositely to said sections and overlying the same to dislodge matter collecting thereon.

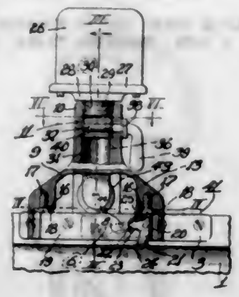
1,640,159. ARTICULATED CAR. JOSEPH M. SUAREZ, Baltimore, Md., assignor of one-fifth to Sterling P. Buck, Washington, D. C. Filed July 6, 1927. Serial No. 203,692. 12 Claims. (Cl. 105—4.)



1. The combination of two articulated car body sections each having an end provided with an electric cable coupling, an electric cable section extending continuously from one to the other of said couplings and being normally connected thereto but disconnectible therefrom, a vestibule between said articulated car body sections, and means mounted on the vestibule to support the middle part of said cable section.

1,640,160. DETACHABLE COUNTER BRACKET FOR SUPPORTING FABRIC MEASURING AND COMPUTING MACHINES. FERDINAND J. TILLMAN, St. Louis, Mo., assignor to Yard-O-Meter Corporation, St. Louis, Mo., a Corporation of Missouri. Filed May 19, 1922. Serial No. 562,158. 3 Claims. (Cl. 211—12.)

1. The combination of a counter and a detachable bracket therefor, a base member borne by said counter having a horizontally inclined cam surface, said bracket having a projection for horizontal co-operation with said cam surface of said member, horizontally disposed

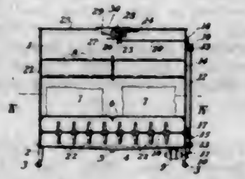


teeth provided on said member, and a locking element borne by said bracket for co-operation with said teeth of said member.

1,640,161. ALUMINO SOLDER. MURAJI TORII, Kamakuragori, Japan. Filed Aug. 7, 1924. Serial No. 730,678. 2 Claims. (Cl. 75—1.)

1. Alumino-solder containing 20–70% of zinc, 20–70% of tin, 5–35% of lead, 3–50% of cadmium, 1–5% of tin phosphide and 1–5% of magnesium, substantially as described.

1,640,162. COOLING DEVICE. GUSTAVE TRECK, Detroit, Mich. Filed May 3, 1926. Serial No. 106,352. 1 Claim. (Cl. 62—133.)

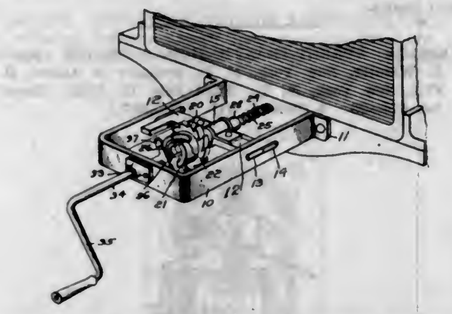


In a device of the character described, the combination of a box-like structure, a vertical shaft supported by said structure, means for driving said vertical shaft, perforated plates in said structure, ice on said perforated plates, a horizontal shaft extending across said structure under said plates, and driven by said vertical shaft, a plurality of fans on said horizontal shaft adapted to agitate air under said ice so that said air is cooled by contact with the drippings from the ice and by contact with the latter, the top of said structure having an opening therethrough, a discharge fan in said opening, a second horizontal shaft driven by said vertical shaft, means for rotating said discharge fan by the rotation of said second horizontal shaft, racks adapted to support food above said perforated plates, the bottom of said structure having an opening therethrough for the escape of drippings and for the admission of air into said structure, and means for driving said vertical shaft.

1,640,163. CRANK. CHARLES C. TRESTER, Lawrenceburg, Ind. Filed Feb. 26, 1927. Serial No. 171,190. 4 Claims. (Cl. 123—185.)

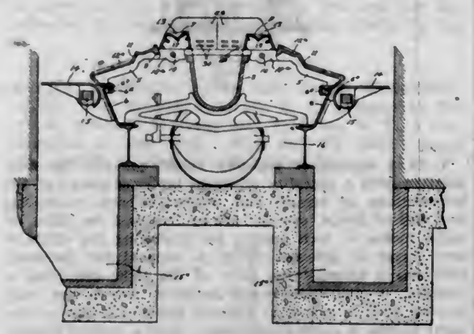
3. An engine cranking device comprising, a support, a rotatable shaft carried thereby, a tubular clutch element connected with the shaft to turn it and having longitudinal slots, a second tubular clutch element of

larger diameter rotatably mounted upon the shaft and receiving therein the first named tubular clutch element and having inclined slots, a transverse clutch element for insertion within the slots of the first and second named



tubular clutch elements and carrying rollers to engage the walls of the inclined slots, and a crank shaft carried by the support and connected with the transverse clutch element.

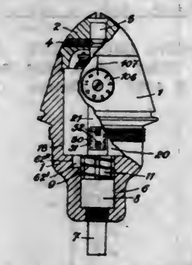
1,640,164. UNDERFEED STOKER. WALTER F. TROTTER, Cincinnati, Ohio, assignor to Detroit Stoker Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 19, 1921. Serial No. 523,251. 11 Claims. (Cl. 110—47.)



1. In a furnace bed, an inclined plate transversely shouldered intermediately of its upper and lower ends to effect a drop of fuel, feeding down the incline, for the purpose of breaking up said fuel, said plate having its top surface formed with pockets above and below said shoulder to retain heat insulating material.

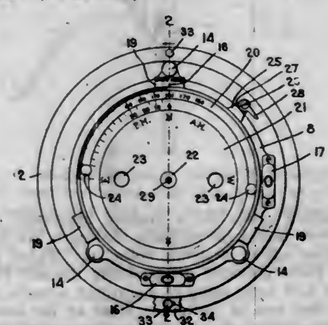
1,640,165. CLOCKWORK-OPERATED MECHANICAL FUSE FOR SHELLS AND THE LIKE PROJECTILES. ANDRÉ VARAUD, La Capite sur Vesenaz, near Geneva, Switzerland, assignor to Tavannes Watch Co. S. A., Tavannes, Canton of Bern, Switzerland, a Corporation of Switzerland. Filed May 18, 1924, Serial No. 712,960, and in Switzerland Aug. 2, 1923. 10 Claims. (Cl. 102—36.)

1. In a clockwork operated fuse for artillery projectiles, a striker member, a revoluble member adjustable in one direction to an angular position prior to firing for controlling the striker member, a clockwork, a regulating device therefor, a power spring, and a barrel shaft mounted in the axis of the fuse and adapted to turn several revolutions in one direction prior to firing for simultaneously winding the power spring and moving the said revoluble member to position to regulate the time interval determining the ignition of the charge of the projectile and also adapted to be turned by the spring in the opposite direc-



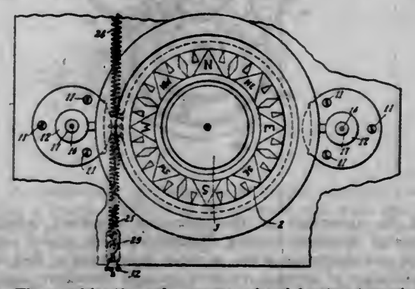
tion during the flight of the projectile for then moving the revoluble member and also transmitting power to the said regulating device of the clockwork.

1,640,166. PELORUS. WILFRID O. WHITE, Newton, Mass. Filed Aug. 23, 1924. Serial No. 733,683. 3 Claims. (Cl. 33—61.)



1. A pelorus comprising a flat base, a plate slightly spaced from and generally parallel with the base, two levels mounted on the plate at right angles to each other, means for adjusting the plate with respect to the base to level the plate, an azimuth graduated dial and a compass graduated dial carried by the plate in parallelism therewith and concentrically and rotarily adjustable with respect to the plate and each other, and means for clamping the dial in adjusted position.

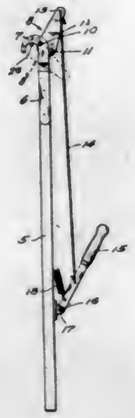
1,640,167. SPRING-MOUNTED COMPASS. WILFRID O. WHITE and HARVEY G. HATCH, Newton, Mass., assignors to Kelvin & Wilfrid O. White Company, Boston, Mass., a Corporation of Massachusetts. Filed June 20, 1926. Serial No. 82,428. 7 Claims. (Cl. 33—222.)



1. The combination of a compass bowl having trunnions, hollow posts mounted at opposite sides of said bowl and having longitudinal slots in their sides next to the bowl

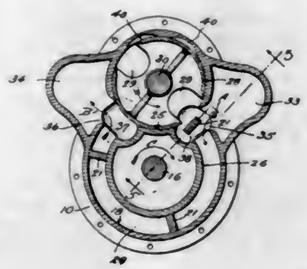
into which said trunnions project, and supporting springs suspended from the upper parts of said posts and connected to said trunnions to support the bowl.

1,640,168. PRUNING IMPLEMENT. LOUIS WILLIAMS, Seattle, Wash. Filed June 9, 1926, Serial No. 114,674. Renewed July 5, 1927. 4 Claims. (Cl. 30—11.)



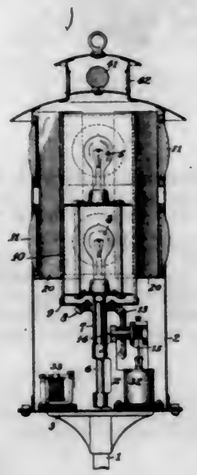
4. A cutting device for a pruning implement consisting of a blade having intermediate its length two laterally spaced apart pivot receiving holes, the blades at one side of a plane projected diametrically through the axes of both of said holes being of a serrated arcuate contour providing two sets of teeth, the blade at the other side of said plane being adapted for engagement with means for operating the blade as a lever with respect to a pivot engaging in either of said holes.

1,640,169. ROTARY PUMP. HARVEY A. WITTEMAN, Seattle, Wash. Filed Nov. 13, 1926. Serial No. 148,127. 5 Claims. (Cl. 103—125.)



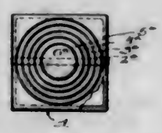
1. In apparatus of the character described, annular pumping chambers having circumferentially spaced apart inlet and discharge ports, a rotor comprising a disk and a plurality of pistons revoluble in said chambers, hollow rotary members extending into said chambers to close the same at opposite sides of the rotor-disk between said ports, said members being provided at diametrically opposite sides with openings to successively receive the rotor pistons, said openings having communication with each other through the medium of the chambers within the respective hollow members, shafts for the rotor and said members, and operative driving connections between said shafts.

1,640,170. STREET-TRAFFIC-SIGNAL DEVICE. JOHN E. WRIGHT, New York, N. Y., assignor to Austen H. Fox, New York, N. Y. Filed July 12, 1922. Serial No. 574,493. 6 Claims. (Cl. 177—337.)



1. In a system of highway traffic control, the combination with a plurality of signal lanterns placed at the intersections of streets and roadways each containing two sets of lamps, one for use by day and the other by night, means in each lantern for displaying the lights of such lamps in different colors, a solenoid for operating said means whereby the color of the light displayed is changed, a polarized electro-magnetic switch for connecting with a source of current either the day or the night lamps, a controlling circuit from a central station including all the solenoids and all the polarized magnets of said switches and means in said circuit for sending over it currents in either direction for operating the light controlling means.

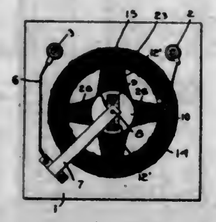
1,640,171. TOY NOVELTY. WILLIAM O. YANCEY, Chicago, Ill. Filed June 26, 1926. Serial No. 118,634. 5 Claims. (Cl. 46—37.)



2. A toy comprising a plurality of hollow telescoping members of increased length from the outer to the inner member, and joined together for limited endwise sliding

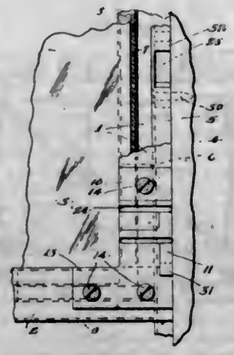
movement relative to each other, whereby the end portions of said members are alternately arranged in pyramid formation in the shifting of the same in opposite directions.

1,640,172. INDUCTION COIL FOR RADIO APPARATUS. WILLIAM HUSSEY ADAMS, Kenyon, R. I. Filed Oct. 1, 1923. Serial No. 666,014. 4 Claims. (Cl. 175—359.)



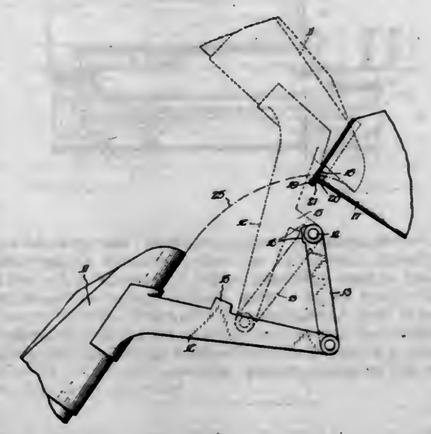
1. A coil for a radio apparatus comprising an insulating hub and a series of similar windings each extending through substantially one half the circumference of the coil, thence across the diameter, thence in the reverse direction through the other half of the circumference and back across the diameter, the circumferential portions of different terms being crossed transversely of the plane of the coil and the diametrical portions engaging the hub and crossing each other between the hub and the circumference whereby the coil is supported wholly by the hub.

1,640,173. WINDOW SASH AND LOCK CONSTRUCTION. ROY T. AXE, Syracuse, N. Y., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y., a Corporation of New York. Filed July 14, 1925. Serial No. 43,588. 8 Claims. (Cl. 292—128.)



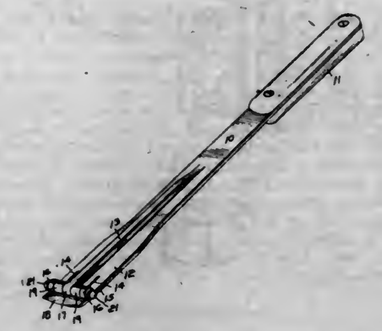
1. A window sash construction, comprising a frame having a projecting guide, a sash having a hollow member in the form of a channel movable along the guide, the guide projecting into the channel, one wall of the sash member being formed with an opening arranged to expose a side of the guide therethrough, and a sash holder comprising a base mounted on the sash member and located wholly within the width of the sash member, and a movable latch carried by the base plate and having a nose movable through said opening to coact with said side of the guides.

1,640,174. FLEXIBLE SEAL FOR MIXERS. FREDERIC E. BAGER, South Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 1, 1926. Serial No. 85,185. 3 Claims. (Cl. 214—130.)



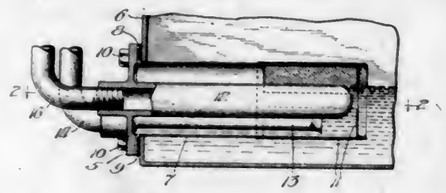
2. In a concrete mixer, a material handling skip, a material receiving chute, the skip being adapted to be moved toward and from the chute and resilient sealing means carried by one of the members and adapted to yield to permit passage of the other member to engage the other member to make a tight joint therebetween.

1,640,175. TOOL FOR SCRAPING BEARINGS. ROLLAND O. BARNES, Walkerton, Ind. Filed May 11, 1926. Serial No. 108,288. 3 Claims. (Cl. 145—47.)



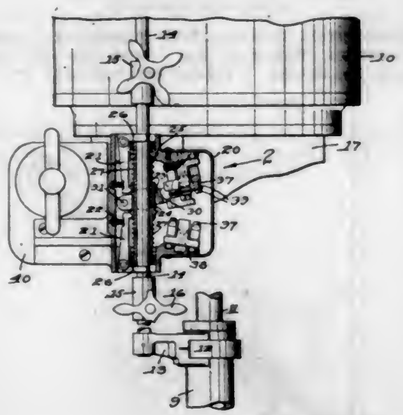
1. An implement for scraping or truing bearings, comprising a shank provided at its forward end with spaced knuckles and longitudinal slots which extend rearwardly from the knuckles, a scraping blade provided at its rear end with spaced knuckles to interfit with the first named knuckles, and a clamping bolt passing through the knuckles and adapted to lock the two sets of knuckles together so that the scraping blade may be positively held at a selected angle with respect to the shank.

1,640,176. LUBRICATING-OIL HEATER. RALPH W. BERGSTROM, Rockford, Ill. Filed Apr. 17, 1926. Serial No. 102,810. 2 Claims. (Cl. 184—104.)



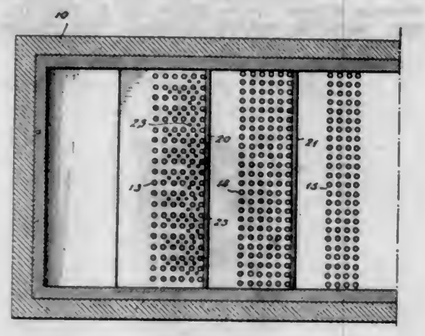
1. A combined oil heating reservoir and strainer for the crank case of an internal combustion engine comprising, a head plate adapted for attachment to the crank case, an oil intake and an exhaust heater coil mounted on said plate, an imperforate cylindrical reservoir carried by said plate and surrounding said oil intake and exhaust heater coil, and a strainer carried by and enclosing the free end of said cylindrical reservoir.

1,640,177. ELECTRIC REVERSING DEVICE FOR TAPPING MACHINES. BENJAMIN S. T. BISHOP, Shrewsbury, and PERCIVAL E. DOW, Leicester, Mass., assignors to Leland-Gifford Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 13, 1926. Serial No. 80,980. 4 Claims. (Cl. 200—47.)



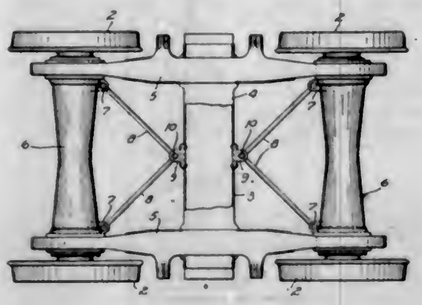
1. In an electric current reversing device, the combination with a movable spindle, and a rod connected with the spindle to move with it and located parallel with it, of a pair of stops adjustable along the rod, a double flanged slide slidable along the rod, means in position to be engaged by the stops as the rod moves for holding said flanged slide and adapted when engaged by either stop to release the flanged slide, yielding means on opposite sides of the slide for changing its position when it is thus released, and an electric switch connected with said slide to be operated by its movement for breaking the circuit and connecting it in another way.

1,640,178. BOILER CONSTRUCTION. BENJAMIN N. BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 1, 1925. Serial No. 19,807. 3 Claims. (Cl. 122—302.)



1. In a water tube boiler, a furnace, said boiler having a plurality of banks of water tubes located at different distances from said furnace, the first bank of tubes nearest to the furnace having a smaller number of rows of tubes transversely of the boiler spaced apart at greater distances than the remaining banks, and a plurality of superheater units extending downwardly into the boiler between the tubes of the first bank, the effective area of the gas passage formed in said first bank between the superheater units and the water tubes of said bank being no less than the effective area of the gas passage of each of the remaining passes.

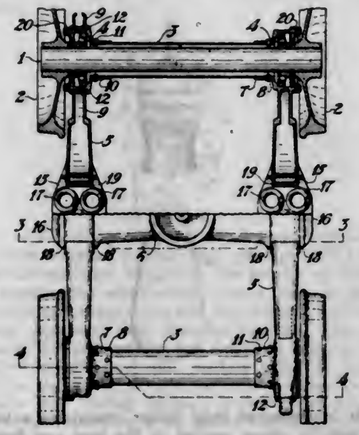
1,640,179. RAILWAY-CAR TRUCK. TRACY V. BUCKWALTER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Mar. 4, 1926. Serial No. 92,124. 9 Claims. (Cl. 105—182.)



1. A car truck construction comprising axles, axle housings and tie-rods secured to said axle housings and extending diagonally therefrom.

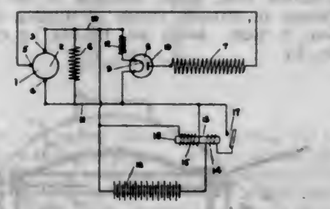
1,640,180. RAILWAY-CAR TRUCK. TRACY V. BUCKWALTER, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 3, 1926. Serial No. 113,405. 7 Claims. (Cl. 105—182.)

1. A railway car truck comprising a pair of axle members and a pair of side frames having their ends mounted on the ends of said axle members, each of said side frames being rigidly secured to one of said axle members, said rigid connections being at diagonally opposite corners of



the truck, and said axle members being movably received in the end portions of the side frames at the other diagonal corners.

1,640,181. DYNAMO-ELECTRIC SYSTEM. WILLIAM B. CHURCHER, Cleveland Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 16, 1924. Serial No. 726,283. 1 Claim. (Cl. 171—312.)



1. In a charging system for storage batteries, the combination with a storage battery of a direct current generator adapted to charge the same, said generator comprising a pair of field windings, an armature, a pair of current collecting brushes contacting therewith, one of said windings being connected across said brushes, said brushes being relatively fixed to each other, and a third brush in contact with the generator armature intermediate the points of contact of the other brushes, and a thermionic electron discharge device having a filament and an anode, means to communicate current from the pair of brushes to the filament, said filament and anode being connected in serial circuit together with the other one of said generator windings between said last named brush and one of the other brushes, said windings being so disposed in their respective circuits that current through one of the windings will magnetically oppose the effect of current in the other winding.

1,640,182. PROCESS FOR MAKING FOOD PRODUCTS. NATHAN MINTON CRELOOK, Los Angeles, Calif., assignor to Ward Baking Company, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1924. Serial No. 733,158. 7 Claims. (Cl. 99—11.)

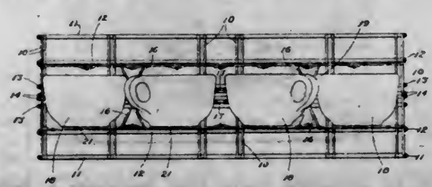
1. The method of producing a food product from cereal germs which comprises cooking the raw material until the starch present is gelatinized, treating the material to effect saccharification of the gelatinized starch and subsequently boiling and subjecting said material to a second saccharification treatment.

1,640,183. TOW ROPE. ALBERT P. DENIS, Springfield, Mass. Filed Oct. 12, 1926. Serial No. 141,113. 5 Claims. (Cl. 280—33.14.)



1. A tow-rope comprising a rope member, means for clamping the opposite ends of the rope which consists of a pair of members, each having matching grooves for receiving the rope, a portion of the ends of the rope extending beyond the clamps and brought back to form a loop, means for securing the ends of the rope in the clamps, a hook device attached to the clamps for receiving the loop, whereby two strands are provided for attaching the rope to a part, as described.

1,640,184. DEVICE FOR HANDLING CUPS AND THE LIKE. MALCOLM H. EATON, Brookline, Mass., assignor of one-third to Ezra S. Eaton, Newton, Mass., and one-third to Charles F. Eaton, Brookline, Mass. Filed July 19, 1924. Serial No. 727,037. 3 Claims. (Cl. 220—22.)



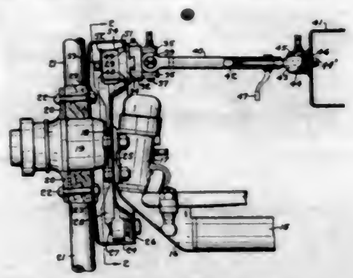
2. The herein described device for handling fragile articles of irregular form comprising a frame or container having upright walls, an open top of symmetrical form, and a bottom disposed above the lower edges of said walls to leave an unobstructed space beneath the same and adapted to support said articles with portions thereof projecting above said top, the upper and lower edges of said walls being relatively formed to adapt said container to rest upon the walls of a similar container, and said open top having substantially its entire area divided into a plurality of compartments each substantially pear-shaped in outline and corresponding generally to the outline of said articles, said compartments being disposed in intermeshing relationship with respect to each other and in symmetrical relationship with respect to said container as a whole.

1,640,185. COATING PROCESS. ALFRED EGGIMAN and ALBINO PEREA, Paris, France. Filed Dec. 1, 1924, Serial No. 753,342, and in France Dec. 15, 1923. 4 Claims. (Cl. 91—68.)

1. A process for giving any object, of wood, metal, card or other material, the appearance of enamel, including the following operations, the application to the object of at least one preliminary coating of linseed oil, turpentine and crushed white lead, the drying of the object, and the dipping of the said object into at least one bath composed substantially in the proportions of 2½ litres of water,

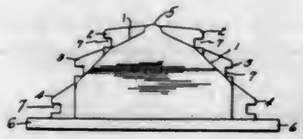
500 grammes of gelatine and 500 grammes of zinc white, followed by the drying of the object and the dipping thereof into a bath composed of about 2½ litres of water and 500 grammes of pure gelatine, substantially as described.

1,640,186. BRAKE. GLA R. FULLER, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed May 8, 1926. Serial No. 107,683. 5 Claims. (Cl. 188—194.)



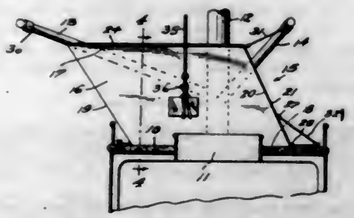
1. In combination, a support provided with an opening, a hollow bracket projecting through said opening provided with a slot through the walls thereof in line with the walls of said opening, a rotatable shaft in said bracket provided with a groove in line with said slot, and a key received by both said slot and said groove and held against displacement by the walls of said opening.

1,640,187. AUTOMOBILE HEATER COVER. EMMET P. GRAY, Detroit, Mich. Filed May 27, 1925. Serial No. 33,184. 6 Claims. (Cl. 98—103.)



3. An automobile heater cover comprising a casing formed to provide a series of bosses each having a vertical face, each boss being provided with a slot opening through the vertical face thereof.

1,640,188. WEATHER GUARD FOR HATCHWAYS. JOHN F. GRUNDOCK, Seattle, Wash., assignor to Seattle Tent & Awning Co., Seattle, Wash., a Corporation of Washington. Filed Oct. 11, 1926. Serial No. 140,825. 3 Claims. (Cl. 135—5.)



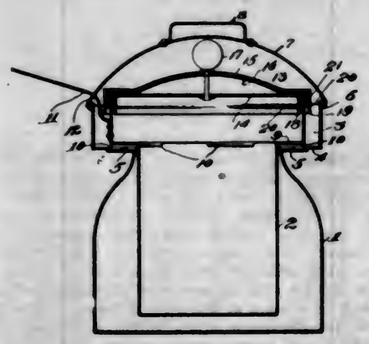
1. A weather-guard comprising a tent-like structure having a rectangular base, the upper edges of the side walls of the tent-like structure being spaced apart for the operation therebetween of a hoisting line and flexible guard strips adjacent inner upper edges of the side walls.

1,640,189. LAMP SOCKET. DORMAN E. HAMIEL, Columbus, Ohio. Filed Feb. 20, 1925. Serial No. 10,702. 2 Claims. (Cl. 173—358.)



1. An incandescent lamp holder comprising a base, an outer metallic sleeve carried by the base and forming a socket for the removable reception of a lamp base, said sleeve being provided with an angular spring seat, a split lamp base receiver carried by the base and arranged within said socket, and an annular spring confined between the sleeve and the receiver and positioned in said seat for coaction with said receiver to resiliently resist expansion on the part of the receiver.

1,640,190. WATERLESS COOKER. ERNEST T. HEINSON, Mountain Iron, Minn., assignor of ten per cent to Thomas H. Strisich, village of Hibbing, Minn. Filed Sept. 7, 1926. Serial No. 133,864. 2 Claims. (Cl. 53—1.)



1. In a cooker, the combination of an outer receptacle, provided with an offset portion having a floor, said floor provided with elongated sockets open at their inner ends and closed by said floor at their outer ends, said outer ends of the sockets being near to the vertical portion of said offset portion, an inner receptacle provided with a shouldered portion registering with said offset portion of the outer receptacle, said shouldered portion provided on its bottom with elongated depending ribs adapted to be seated in said sockets and form a tight joint when said shouldered portion rests snug on the floor of said offset portion, said ribs extending the whole width of the bottom of said shouldered portion, and said offset portion and said shouldered portion forming a trough between said receptacles.

1,640,191. WATERLESS COOKER. ERNEST T. HEINSON, Mountain Iron, Minn., assignor of ten per cent to Thomas H. Strizich, village of Hibbing, Minn. Filed Sept. 7, 1926. Serial No. 133,865. 1 Claim. (Cl. 53—1.)



In a cooker, the combination of an outer receptacle provided with an offset portion, said offset portion having a flat horizontal floor, elongated ribs formed on said floor and extending the entire width of said floor, an inner receptacle in said outer receptacle and provided with an outstanding shoulder, said shoulder provided with a flat horizontal bottom, said bottom provided with horizontal elongated sockets, and said sockets being of the same length as the width of said shoulder and receiving said elongated ribs thereby forming a tight joint the entire width of said shoulder when said shoulder rests snug on the floor of said offset portion.

1,640,192. BOTTLE CLOSURE AND METHOD OF MAKING SAME. WILLIAM PATRICK HENRY, New York, N. Y. Filed Sept. 1, 1926. Serial No. 132,956. 8 Claims. (Cl. 215—318.)

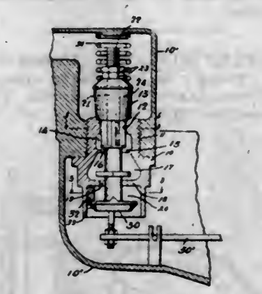
1. A bottle closure unit comprising a holding cap and a lip cover hermetically sealed on the top surface thereof close to its edge, said cover portion being formed of paper having its outer edge the exact diameter of the intended bead surface contact with the initial tension in the paper and remainder of the cover portion bent and folded inwardly to conform to the desired cover shape with radially inward extending margin pressed to a form for union with the cap top surface.

1,640,193. PROCESS FOR MAKING FOOD PRODUCTS. CHARLES HOFFMAN, Tuckahoe, N. Y., assignor to Ward Baking Company, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1924. Serial No. 733,110. 11 Claims. (Cl. 99—11.)

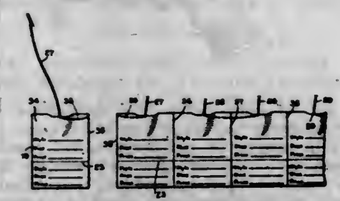
1. The method of producing from cereal germs a food product rich in water soluble B vitamine which comprises extracting the oil from the said germs, cooking the raw material to gelatinize the starch contained therein, acidifying the said cooked material and malting said material to effect saccharification thereof.

1,640,194. VALVE FOR ANIMAL DRINKING FOUNTAINS. AUGUST F. KLINZING, Milwaukee, Wis. Filed July 21, 1924. Serial No. 727,230. 6 Claims. (Cl. 251—134.)

4. In a valve of the class described, a casing having a seat, a bore, a relatively small chamber communicating with said bore, a larger chamber communicating with said first chamber, and a still larger discharge chamber communicating with said second chamber, said chambers being separated by inwardly projecting annular flanges; and a valve plug having a stem mounted in said bore and provided with outwardly projecting flanges moving within said chambers and providing a tortuous path for the fluid passing through said casing.



1,640,195. TAG AND METHOD OF MAKING SAME. HENRY E. KONDOLF, New York, N. Y., assignor to The Lox Seal Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 27, 1926. Serial No. 125,257. 7 Claims. (Cl. 40—21.)



1. In a tag of the character described, superposed layers, means therebetween for attaching them together, a binding tie having a free threading end and having its other end extending between the layers and engaged by said means, and said layers being so constructed and arranged as to permit said free end to be subsequently interposed therebetween.

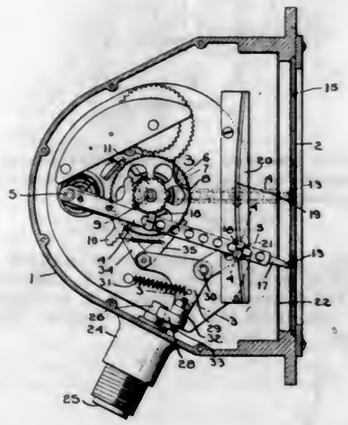
1,640,196. TAG. HENRY E. KONDOLF, New York, N. Y., assignor to The Lox Seal Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 3, 1926. Serial No. 145,938. 7 Claims. (Cl. 40—21.)



1. In a tag of the character described, the combination with a tie element having a locking tip which is normally transverse to the tie but which is adjustable into alignment with the tie, of a pocket wall having complementary deflectable portions which normally define an opening too small for passage of the tie but which are deflectable into positions which momentarily enlarge said opening just

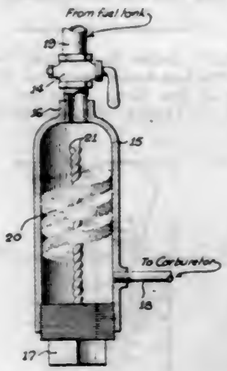
sufficiently to permit passage of the tip when the latter is aligned with the tie, whereby momentary adjustment of both the tip and wall portions first out of and then back to normalcy will lock the tie in irremovable association with said pocket.

1,640,197. SPEED INDICATOR. GEORGE H. LANG, Boston, Mass., assignor to Stover-Lang Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 14, 1925. Serial No. 9,315. 6 Claims. (Cl. 264—2.)



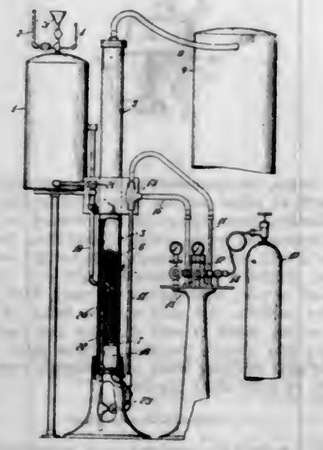
1. In an indicating device, the combination with a swinging extensible indicating arm of an index member carried by the arm at the end thereof a dial member having a graduated portion extending in a straight line, and means to extend and contract said arm as it swings thereby to cause the index member to travel in a straight line parallel to the line of graduations of the dial member.

1,640,198. FILTER. JEAN M. LOBIT, Brooklyn, N. Y. Filed Nov. 14, 1923. Serial No. 674,670. 3 Claims. (Cl. 210—165.)



1. A filter comprising in combination, a casing having a substantially vertical bore and a pipe plug closing the lower end thereof, a filter brush secured to said plug and extending into said bore an inlet conduit communicating with said bore above said brush, and an outlet conduit communicating with said bore below said brush but above said plug.

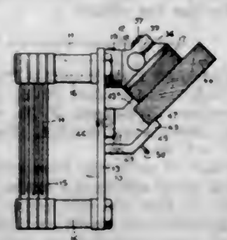
1,640,199. FLOUR-MATURING METHOD AND APPARATUS. JOHN I. LOGAN, Chicago, Ill., assignor to Industrial Appliance Company, Chicago, Ill., a Corporation of West Virginia. Filed Aug. 3, 1925. Serial No. 47,793. 8 Claims. (Cl. 83—42.)



1. Apparatus for practicing the process herein described comprising in combination a reaction tower having an outlet for gas, a solution tank, a valved pipe leading from the solution tank to the reaction tower near the bottom of the latter, and means for forcing a mixture of air and gas into the bottom of the reaction tower.

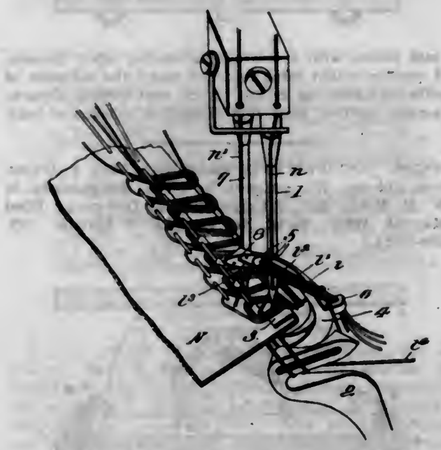
3. Method of maturing flour which consists in continuously passing chlorine gas in contact with aqua ammonia, with the chlorine in excess of the amount which will combine with the ammonia, and bringing the resultant gaseous agent, diluted with an inert gas, into contact with the flour in a dispersed state.

1,640,200. MOUNTING MEANS FOR RADIO RECEIVING SETS. FRANCIS L. LORD, Newark, N. J., assignor, by direct and mesne assignments, to The Lord Laboratories, Inc., New York, N. Y., a Corporation of South Dakota. Filed Aug. 28, 1925. Serial No. 53,003. 7 Claims. (Cl. 250—40.)



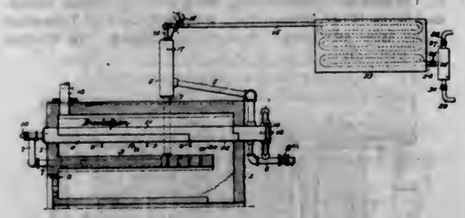
1. In a multi-stage transformer coupled, radio frequency system, a variable condenser for varying the capacity of the reactance in each transformer secondary circuit, means for varying the self-inductance of each primary and the mutual inductance of each transformer, said self-inductance varying means comprising a relatively fixed primary coil, a relatively fixed secondary coil and a relatively movable primary coil and means for mounting said relatively movable primary coil in relative movable relation to said relatively fixed primary coil and said relatively fixed secondary coil, said mounting means comprising a relatively fixed bracket and an element supported by said bracket in movable relation to said bracket and supporting said relatively movable primary coil.

1,640,201. STITCH-FORMING MECHANISM FOR SEWING MACHINES. KARL MAIER, Stuttgart, Germany, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Original application filed June 13, 1925, Serial No. 36,887, and in Germany June 19, 1924. Divided and this application filed Oct. 26, 1926. Serial No. 144,811. 4 Claims. (Cl. 112—162.)



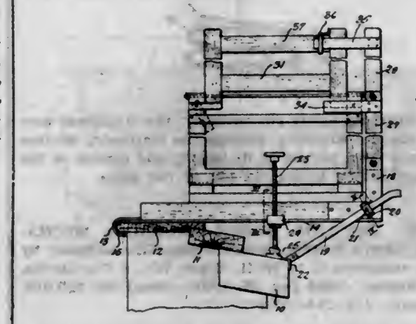
3. An over edge thread carrying looper comprising a body portion having a point and a heel, said body portion having a plurality of spaced eyes one above the other for carrying independent looper threads disposed adjacent the point, and means adjacent the heel of the looper for guiding the looper threads.

1,640,202. APPARATUS FOR THE DISTILLATION OF OIL. FREDERICK T. MANLEY, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a Corporation of Delaware. Original application filed Oct. 10, 1917, Serial No. 195,777. Divided and this application filed Oct. 26, 1918. Serial No. 259,839. 9 Claims. (Cl. 196—119.)



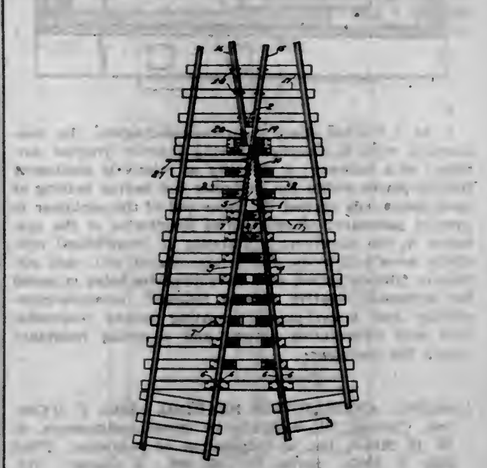
5. In an apparatus for converting hydrocarbon oils, a still adapted to contain a body of liquid oil to be converted and having a vapor space above the level of the oil therein, and heating means constructed and arranged to supply external heat around substantially the entire periphery of both the liquid and vapor portions of the still and including a heat-insulating medium disposed upon the vapor portion thereof to maintain the oil and the vapors therein at a substantially uniform cracking temperature whereby conversion takes place in the still without overheating the vapors.

1,640,203. SUPPORTING BRACKET. ALBERT MARLAWSKI, Chicago, Ill. Filed May 8, 1926. Serial No. 107,632. 1 Claim. (Cl. 304—24.)



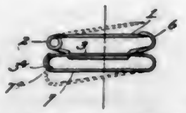
In a device of the class described, a platform, means for temporarily securing said platform in place on a window sill, skeleton railings on three sides of said platform adapted to fold down thereon, one on top of another, said railings each comprising a pair of spaced standards, a secondary panel pivoted between the upper portions of each pair of standards and adapted to extend above or to be folded between the respective pair of standards.

1,640,204. RAILROAD SWITCHING DEVICE. BIAGIO MARTINI, Pittsburgh, Pa. Filed Oct. 11, 1926. Serial No. 140,788. 8 Claims. (Cl. 246—389.)



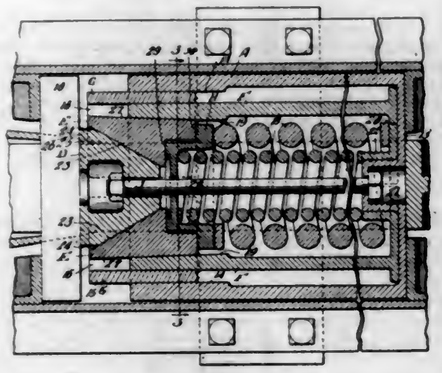
2. In a shift-frog, the combination of a stationary half comprising two stationary converging rails and a filler-block positioned at the point of convergence of said rails; means for securing said rails rigidly to said filler-block; a movable half comprising two converging rail-elements and a movable filler-block positioned at the point of convergence of said rail-elements; unitary means for securing one of said rail-elements rigidly to said movable filler-block and for securing the other rail-element for longitudinal sliding movement along said movable filler-block; connecting means for hingedly securing the divergent ends of said rail-elements to the rails of a railway-track, and means for rotating said movable half in a horizontal plane about said connecting means.

1,640,205. COMBINATION PIN AND CLASP. LEONARD ORVILLE NICHOLS, Kansas City, Mo., assignor to Rene E. Denman, Kansas City, Mo. Filed Apr. 4, 1927. Serial No. 180,870. 2 Claims. (Cl. 24—85.)



1. A clasp and safety pin assembly, the stationary portion of the pin extending through the stationary portion of the clasp for a portion of its length, said portion of the pin being bent to secure the pin in the clasp.

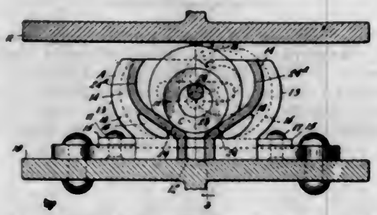
1,640,206. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Dec. 27, 1921. Serial No. 525,016. 6 Claims. (Cl. 213—33.)



1. In a friction shock absorbing mechanism, the combination with a container having interior friction surfaces; of a follower; a plurality of relatively stationary friction plates within the container and having bearing at their inner ends against the inner end of the container to prevent movement of said plates lengthwise of the container in one direction; a plurality of longitudinal relatively movable friction plates intercalated with said stationary friction plates, said movable plates being mounted for movement relative to said follower; pressure-transmitting and lateral-pressure-creating means cooperable with said intercalated plates; and a spring resistance within the container.

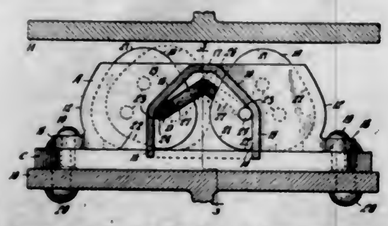
1,640,207. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,205. 3 Claims. (Cl. 308—226.)

3. In an anti-friction bearing, the combination with a housing adapted to be secured to a bolster or the like, said housing being provided with oppositely inclined surfaces symmetrically arranged with respect to the transverse center line of the housing and having also a bearing surface associated therewith; of an anti-friction element disposed within said housing for rolling movement on said bearing surface; a counterweight engageable and co-operable with said inclined surfaces, said counter-weight having a relatively large centrally disposed recess; and means carried by and extending axially of said element and within said recess, said means being engageable with the surface of said counter-weight defined by said recess, said means being of appreciably smaller sectional area than the area of said recess whereby, upon actuation of the anti-friction element to either side of normal position, said counter-weight is bodily elevated by one of said bearing surfaces and simultaneously shifted with respect



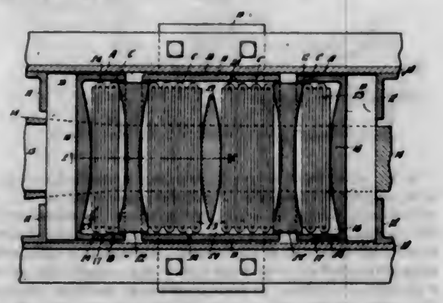
to said means with a leverage increasing effect thereon, said counter-weight being returned under the influence of gravity and effecting return of the anti-friction element to normal position when said element is relieved of load.

1,640,208. ANTIFRICTION BEARING. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 14, 1924. Serial No. 713,125. 6 Claims. (Cl. 308—224.)



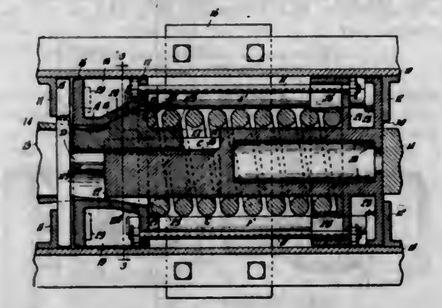
4. In an anti-friction bearing, the combination with a housing adapted to be secured to a bolster or the like; of a pair of load-transmitting rockers arranged therein, only one of said rockers taking the load and moving relatively of the other when the bearing is actuated, each of said rockers having a plurality of sets of wear faces, and said rockers being adjustable to present new wear surfaces to take the load when the others become worn; and centering means detachably associated with said rockers and arranged for engagement with said rockers in their various adjusted positions.

1,640,209. SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed May 28, 1924. Serial No. 716,304. 10 Claims. (Cl. 213—30.)



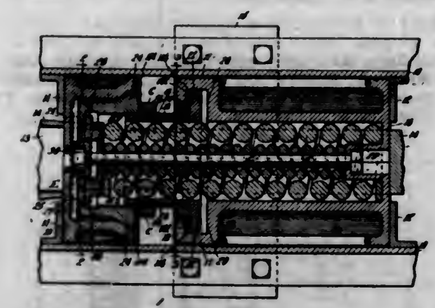
1. In a spring shock-absorbing mechanism, a spring resistance comprising a plurality of separate plate springs adapted to be arranged transversely across said mechanism, each of said springs being folded in the middle and arranged with the folded portions on alternately opposite sides of the longitudinal center of said mechanism, the portions of said plates opposite the folded portions being arranged to abut the adjacent folded portions to restrain movement therepast; and means for transmitting shock to said springs to flex the same.

1,640,210. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 21, 1924. Serial No. 727,110. 9 Claims. (Cl. 213—36.)



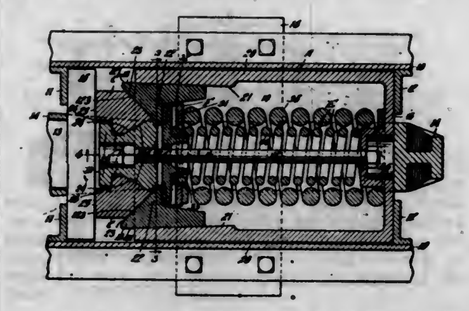
1. In a friction shock absorbing mechanism, the combination with a longitudinally disposed friction post having exterior friction surfaces, diverging inwardly of the mechanism; of a spring resistance; a plurality of friction shoes cooperating with said friction surfaces; and pressure transmitting wedge means, the latter being free from effective wedge engagement with said shoes under full release but adapted to have cooperative wedge action with said shoes as the compression stroke of the mechanism takes place.

1,640,211. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Jan. 8, 1925. Serial No. 1,139. 7 Claims. (Cl. 213—23.)



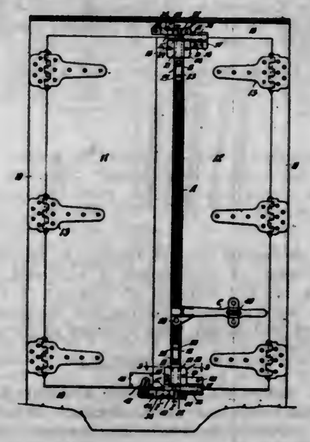
1. In a friction shock absorbing mechanism, the combination with relatively movable follower-acting means; of a central friction post having a lost motion connection with one of said followers permitting limited movement of the post with reference to said follower means to provide for preliminary spring action; a plurality of friction shoes cooperating with said friction post, said shoes and the other follower-acting means having cooperating wedge faces; and a main spring resistance interposed between said shoes and follower means to which the friction post is anchored.

1,640,212. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Sept. 4, 1925. Serial No. 54,416. 5 Claims. (Cl. 213—34.)



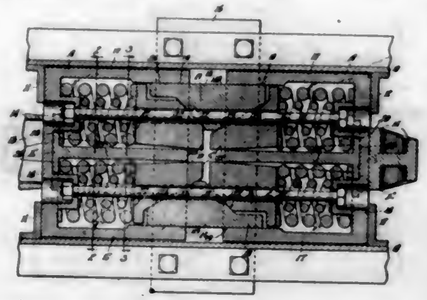
1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a main spring resistance including an inner and a relatively heavy outer coil; and a friction generating wedge system co-operating with a shell, said system including friction elements slidable on the shell friction surfaces and wedge means co-operating with said elements, said friction elements having their movement resisted by the inner coil of the spring resistance and movement of said wedge means being resisted independently of said friction elements by the heavier outer coil of the spring resistance.

1,640,213. REFRIGERATING-CAR-DOOR-OPERATING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 23, 1925. Serial No. 70,752. 6 Claims. (Cl. 268—72.)



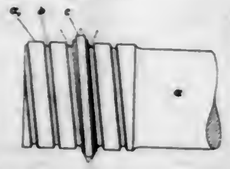
1. In a door operating mechanism, the combination with a member having a door opening and a pivoted door; of keeper means fixed to the door frame adjacent the door opening, said keeper means being provided with recesses extending substantially parallel to the face of the door frame and having angular entrances thereto; of elongated transmitting elements pivotally and slidably mounted on said door, and having actuating means upon their free ends adapted to engage in the recesses in said keepers; and means on said door for imparting longitudinal and lateral swinging movements to said transmitting members to effect opening and closing movement of said door.

1,640,214. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 27, 1925. Serial No. 71,794. 5 Claims. (Cl. 213—32.)



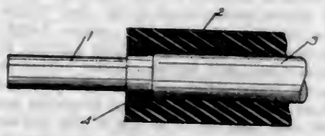
1. In a friction shock absorbing mechanism, the combination with front and rear follower shells having interior friction surfaces, said shells being relatively movable toward and away from each other; of a tapered friction post movable with each shell; front and rear sets of friction elements cooperating respectively with said posts; spring resistance means interposed between said elements and said shells; and a plurality of friction shoes, each shoe having wedging engagement with one of the friction elements of said front set and one of the friction elements of said rear set, each of said shoes also having frictional engagement with the front and rear follower shells.

1,640,215. MEASURING TOOL FOR SCREW THREADS. OTTO PEGLOW, Berlin, Germany, assignor to Ludw. Loewe & Co. Actiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed Nov. 20, 1925, Serial No. 70,225, and in Germany Nov. 29, 1924. 5 Claims. (Cl. 33—199.)



1. In a measuring tool for testing the limiting measures of threads, in combination, a tool body, a gauge for testing the full diameter of a thread, a gauge for testing a diameter less than the full diameter of the thread, both said gauges being arranged at the same end of the tool body.

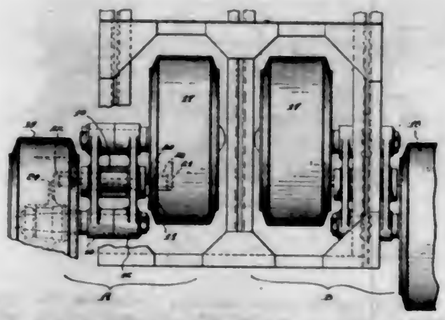
1,640,216. WRINGER ROLL AND METHOD OF MAKING THE SAME. JOHN J. RATHERS, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed June 1, 1926. Serial No. 112,891. 3 Claims. (Cl. 68—33.)



1. In a wringer roll, the combination of a rod; a soft rubber roll bonded to the roll; and a comparatively hard-composition abutment at the end of the roll secured to the rod and to the rubber roll, said abutment being formed initially of non-flowing stock formed of a ground vulcanized rubber and vulcanizing stock.

3. The method of forming wringer rolls which consists in forming a vulcanizing rubber composition in bonding relation to a supporting rod to form a roll, applying to the ends of this roll an abutment of non-flowing vulcanizable stock, and vulcanizing the whole in one vulcanizing heat.

1,640,217. RUNNING-GEAR STRUCTURE FOR VEHICLES. FREDERICK MALCOLM REID, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 3, 1926. Serial No. 152,373. 10 Claims. (Cl. 280—81.)

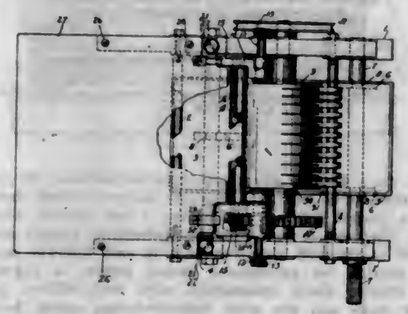


1 In a vehicle, a frame, a plurality of wheels arranged in pairs for supporting one end of the frame, each pair of wheels being secured to the frame on a fore and aft directed pivot and on a separate transversely directed pivot the latter eccentric to the said wheels.

1,640,218. CONCENTRATION OF ORES. RALPH E. SAYRE, New Rochelle, N. Y., assignor to Metals Recovery Company, New York, N. Y., a Corporation of Maine. Filed July 23, 1925. Serial No. 45,704. 13 Claims. (Cl. 209—166.)

1. The improvement in the concentration of minerals by flotation which comprises subjecting the mineral in the form of a pulp to a flotation operation in the presence of a thiourethane.

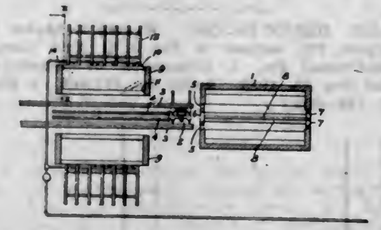
1,640,219. MACHINE FOR COATING LABELS, ETC., WITH ADHESIVE OR A SIMILAR SUBSTANCE. FRANK R. SCHMITT, New York, N. Y. Filed Sept. 27, 1924. Serial No. 740,219. 5 Claims. (Cl. 91—51.)



3. In a machine for coating labels with adhesive, the combination of an adhesive applying roll, label feed rollers, an adhesive regulating means, an upper and lower arm pivotally mounted, said arms having corresponding recesses, acting respectively as the upper and lower halves of a bearing for the label feed rollers, the arms having a projection for confining the rollers within the bearing and including a support in said arms for an adhesive regulating means, and means for adjusting said arms, the label feed rollers, and the adhesive regulating means in relation to the adhesive applying roll.

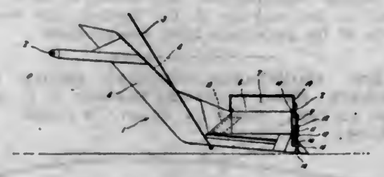
5. In a machine for coating labels with adhesive, the combination of said frames, an adhesive container, an adhesive applying roll, an adhesive regulating means, label feed rollers split bearings consisting of upper and lower members having recesses for the label feed rollers, both the upper and lower members pivoted about the same point and adapted to permit the removal of the label feed rollers without disturbing the setting of the adhesive regulating means.

1,640,220. PIPE-WELDING PLANT. JOHN H. SENNETT, Woodlawn, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 23, 1923. Serial No. 647,313. 3 Claims. (Cl. 78—87.)



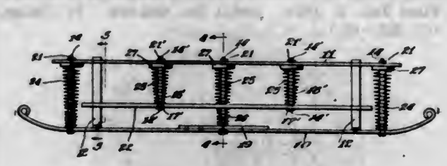
3. In the production of welded pipe the method herein described which consists in heating bent skelp to a temperature approximately the limit of mechanical conveyance, mechanically conveying the so-heated skelp to the welding furnace, and completing in the welding furnace the heating of the skelp to welding temperature.

1,640,221. LOADING SKIP FOR CONCRETE MIXERS. SAMUEL SHAFER, Jr., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 13, 1926. Serial No. 108,957. 6 Claims. (Cl. 214—130.)



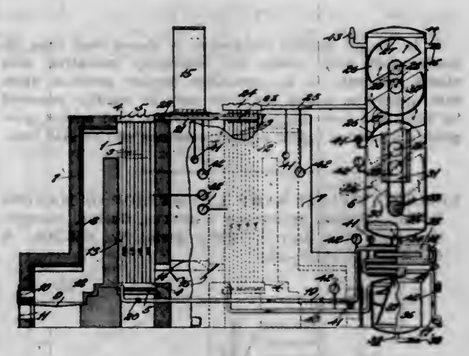
1. The combination with a charging skip for a concrete mixer formed with an unobstructed section into which the entire mass of coarse aggregate of the charge may be delivered at one operation, and a spout section through which such aggregate is discharged to the concrete mixer, of a separate receptacle for the cement that enters into the charge located at one side of the skip and communicating therewith through an opening in the side wall of the skip.

1,640,222. VEHICLE BUMPER. ALBERT SLOWIK, Chicago, Ill. Filed Apr. 23, 1927. Serial No. 185,945. 11 Claims. (Cl. 293—55.)



1. In a vehicle bumper having front and rear bumper bars, a central bar disposed between the first two named bars, and a plurality of cushioning and impact absorbing means disposed between the three bars, each of said means being operable independently and severally in respect of each other depending upon the extent of the impact at the front bumper bar.

1,640,223. PROCESS OF TREATING HEAVY HYDROCARBONS. ARTHUR D. SMITH and JOHN PERL, Arkansas City, Kans. Filed Jan. 28, 1922. Serial No. 532,455. 9 Claims. (Cl. 196—59.)

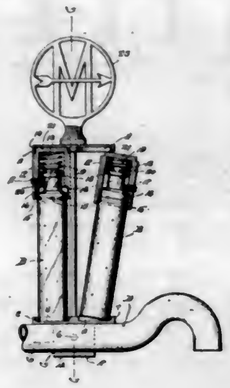


1. The process of converting heavy hydrocarbon oils into low molecular weight hydrocarbons which consists in cracking the heavy hydrocarbons partly into light gaseous hydrocarbons and partly into semi-liquid polymerized hydrocarbons soluble in the partially converted stock, eliminating said gaseous products and then precipitating and eliminating a portion of such polymerized hydrocarbons, said operations being effected while the stock is continuously circulated through a zone of heat and pressure sufficient for said cracking operation and thence through a zone of sufficiently low temperature to precipitate such portion of said polymerized hydrocarbons, and thence back to a second zone of heat, fresh stock being added to the treated portion from which said polymerized hydrocarbons have been precipitated after such portion reaches said second zone of heat.

1,640,224. MANUFACTURE OF MATCH-STRIKING COMPOSITIONS. HERBERT WILLIAM ROBINSON, West Bromwich, England. Filed Feb. 18, 1926, Serial No. 89,223, and in Great Britain Feb. 4, 1926. 4 Claims. (Cl. 52—27.)

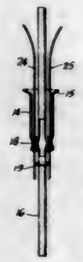
1. A process for the production of a non-inflammable composition upon which matches may be ignited by friction which consists in mixing together materials for the production of a synthetic resin together with ingredients usually employed in compositions upon which matches may be struck and subsequently subjecting the mixture to a condensation process to form a solid mass.

1,640,225. OIL-DISPLAY APPARATUS. CHARLES SPAETH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 2, 1924. Serial No. 684,034. 14 Claims. (Cl. 221—95.)



1. In an oil display apparatus, a closed test tube, in combination with means for removably mounting said closed test tube in an accessible display position upon said apparatus where the tube may be readily removed by hand and inverted for test purposes, said means comprising a locking holder sleeved over one end of said tube.

1,640,226. TIPLESS LAMP AND METHOD OF MAKING SAME. JEROME SCHOFIELD WHEELER, Guelph, Ontario, Canada. Filed July 2, 1923. Serial No. 648,909. 6 Claims. (Cl. 176—36.)



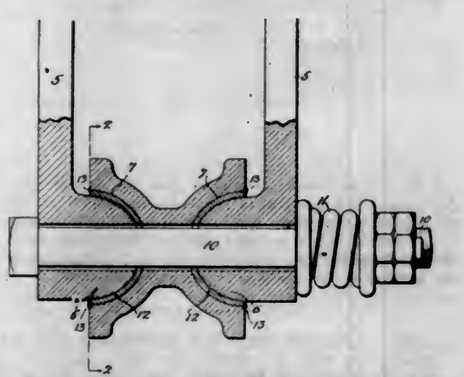
2. As a new article of manufacture a product of the herein described process being an incandescent electric lamp having an inwardly extending tubular stem, and a glass filament support extending throughout nearly the entire length of the lamp interior and having a tubular portion united by a pinched seal to the inner end of said stem and also extending through said stem, together with lead wires extending through said seal and through the annular space between said tubular portion and said stem.

1,640,227. TELEPHONE ATTACHMENT. WILLIAM M. YOUNG, Harrisburg, Pa. Filed May 23, 1927. Serial No. 193,549. 7 Claims. (Cl. 179—178.)

1. The combination in a telephone receiver and transmitter set having a switch-contact, a hook-switch, and a receiver, of a receiver cord, a spring engaging the same, and a connection between the spring and the switch-contact whereby when the receiver cord is pulled out to extend the spring the connection is relaxed to permit the switch-contact to engage the hook-switch.

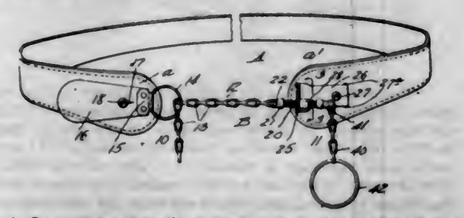


1,640,228. BRAKE HANGER. WALTER S. ADAMS, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 25, 1926. Serial No. 111,545. 2 Claims. (Cl. 188—209.)



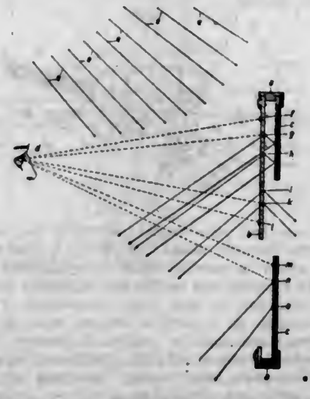
1. The combination in a brake hanger, of two brackets spaced apart, each bracket having a socket at each side; hard metal bushings located in the sockets and attached to the brackets by spot-welding; and two arms, each arm having semi-spherical projections at each end adapted to the bushings in the brackets, the bearing surfaces of the projections being case-hardened.

1,640,229. ADJUSTABLE SECURING DEVICE FOR TRUSSES. HENRY P. BALTZER, Hamburg, N. Y. Filed June 11, 1925. Serial No. 36,397. 8 Claims. (Cl. 128—96.)



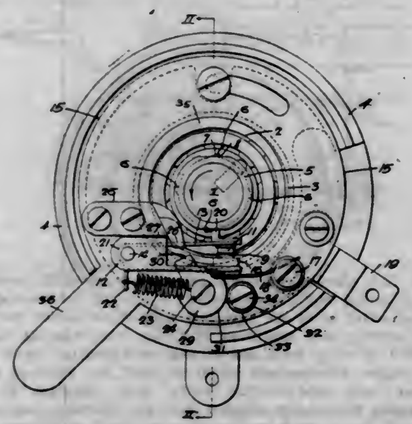
1. In a truss having a flexible body embracing member, the combination of an adjusting device for adjusting the truss to fit the user and placing said body member under tension, quick operable means for slackening said truss and relieving the tension on said body member, and quick detachable means independent of said slackening means for disconnecting said adjusting device and permitting the removal of the truss.

1,640,230. PAINTING AND PROCESS FOR THE PRODUCTION OF THE SAME. FRITZ BLAU, Berlin, Germany. Filed July 11, 1923, Serial No. 650,820, and in Germany July 12, 1922. 10 Claims. (Cl. 41—22.)



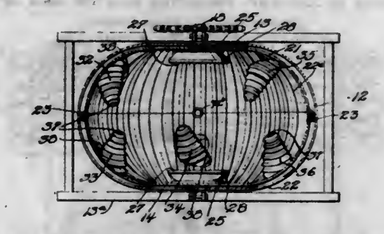
4. A painting for directed illumination, which when so illumined has between the brightest and darkest parts, as compared with the difference between the lightest and darkest pigments, a difference in illumination contrast several times greater than can be produced by said pigments, and whose dark portions are represented by portions practically incapable of diffused reflection.

1,640,231. IGNITION TIMER. WILLIAM H. BROWN, Philadelphia, Pa. Filed Oct. 29, 1923. Serial No. 671,431. 15 Claims. (Cl. 200—30.)



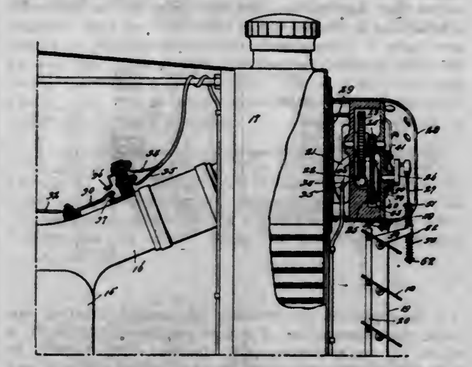
1. In combination, a pair of switch arms having a common pivotal mounting and provided with co-acting contact members, means for causing one of said contact members to engage periodically the other, and a resilient abutment for said last-mentioned member, said common pivotal mounting permitting one of said switch arms to have a pivotal as well as a bodily movement in response to said means independently of the other.

1,640,232. WASHING MACHINE. REED J. CLARK, Jr., Youngstown, Ohio. Filed Sept. 7, 1926. Serial No. 133,857. 2 Claims. (Cl. 68—18.)



1. A washing machine comprising an outer casing; an inner flat spherical washing casing mounted to rotate in said outer casing; a plurality of projecting arms affixed on the inner spherical surface of said washing casing, said projecting arms serving as catching, rubbing and releasing elements, said arms being circular in shape running smaller gradually out from the base to the free end said free end having a large opening therein, the outer surfaces of said arms having circular corrugations therein, substantially as described.

1,640,233. SHUTTER-OPERATING MEANS. WILLIAM A. COLLINS, Brooklyn, N. Y. Filed Sept. 17, 1925. Serial No. 56,928. 8 Claims. (Cl. 236—35.)

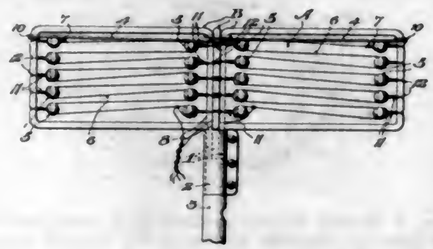


1. For use with a shutter regulating the flow of cooling air to an explosion engine, an automatic shutter regulating device comprising an electric motor operatively connected with the shutter to open and close the same, a thermostat responsive to the engine temperature, a motor feed circuit branched to afford lines arranged in parallel adjustable, means associated with the thermostat for closing alternatively one or the other of said parallel lines at opposite extremes of a predetermined range of engine temperature, together with a switch device operatively associated with a motor driven member, said switch device serving, after predetermined motor operation, automatically to open the thermostatically closed branch line, and automatically to close the switch contacts in the other branch line, so that the latter may be thermostatically closed and the motor re-energized when the engine reaches the opposite extreme of its predetermined temperature range.

1,640,234. ANTENNA FOR USE WITH RADIO SETS. MARK M. CONYERS, Custer, S. Dak. Filed June 14, 1926. Serial No. 115,931. 3 Claims. (Cl. 250—33.)

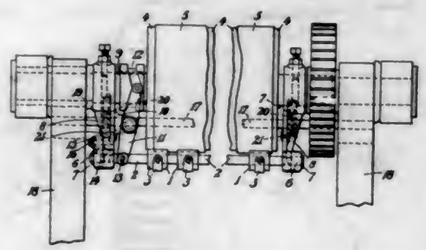
1. An antenna for radio-telegraphic use, including a support, a plurality of radiating substantially rectangular frames disposed vertically upon the support, spaced insu-

lators carried by each of the ends of the frames, a conducting element passed alternately through the insulators from one end to the other of each of the frames whereby to afford an increased conducting area for each of the



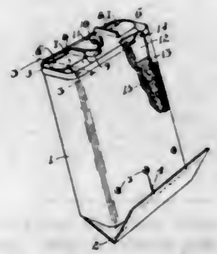
frames, means to insulate the upper ends of the conducting elements from each other, and means to secure the lower ends of the conducting elements together to form a single conductor.

1,640,235. MEANS FOR WASHING LITHOGRAPHIC PRINTING SURFACES. BENJAMIN JOSEPH JOHN GOULDING, London, England, assignor to Linotype and Machinery Limited, London, England, a Company of Great Britain. Original application filed June 3, 1924, Serial No. 717,488, Patent No. 1,627,774, dated May 10, 1927, and in Great Britain June 14, 1923. Divided and this application filed Jan. 13, 1927. Serial No. 160,818. 7 Claims. (Cl. 101—425.)



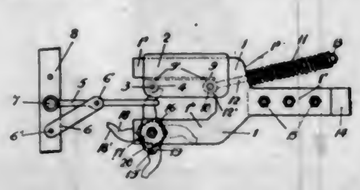
1. In apparatus for washing lithographic printing surfaces, the combination of a power-operated pad shaft, a series of non-rotatable pads thereon each having an operative surface of an absorbent resilient material, and means adapted to bring said operative surfaces into and out of contact with the surface to be washed.

1,640,236. TOBACCO-BAG HOLDER. PETER H. HART, San Jose, Calif. Filed Sept. 20, 1926. Serial No. 136,585. 2 Claims. (Cl. 206—41.)



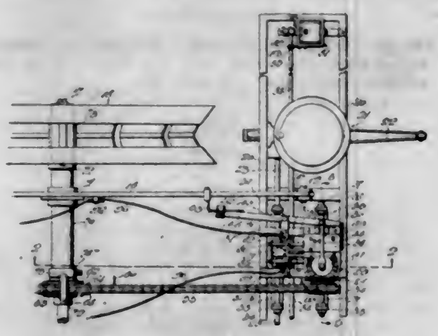
1. A device of the character described, comprising a spreading device insertible in the open end of a tobacco bag and provided with fingers extending to the bottom of the bag and having its upper edge formed to engage the upper edge of the bag, a case adapted to receive the spreader with a bag mounted thereon, means for holding the bag and spreader in the case, the said case having an opening formed therein adjacent the open end of the bag, and a closure for said opening.

1,640,237. AUTOMATIC TRACTOR AND PLOW HITCH. PATRICK MICHAEL HEFFERNAN, Moonlight, Palmerston South, New Zealand. Filed Apr. 12, 1926. Serial No. 101,425, and in New Zealand Sept. 24, 1925. 4 Claims. (Cl. 280—33.16.)



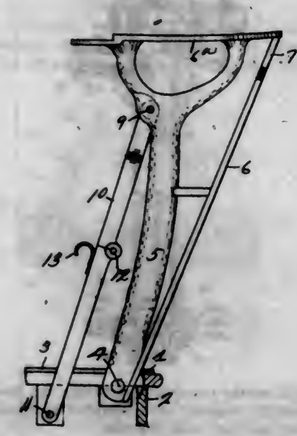
1. A tractor and plow hitch, comprising two bifurcated members disposed one above the other in alignment and spaced to permit a plow drawbar to be inserted between and secured thereto, and means for releasably connecting a tractor drawbar to said hitch comprising a member slidably mounted on a pair of aligned arms of said bifurcated members and a multi-arm clutch rotatably mounted between the other pair of aligned arms of said bifurcated members and having its arms successively engageable with said slidable member.

1,640,238. CORN PLANTER. CHARLEY JAMES, Corydon, Iowa. Filed Dec. 14, 1925. Serial No. 75,372. 2 Claims. (Cl. 111—26.)



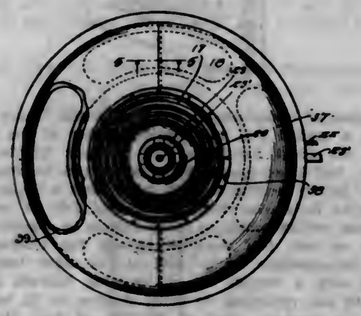
1. In a wheeled check-row corn planter, laterally spaced hill-planting units, a rock shaft extending between said hill-planting units and having an arm, wheel-driven means for rocking said shaft, an auxiliary seed-dropping unit spaced laterally from one of said seed-planting units to an extent substantially equal to half the distance between said seed-planting units, said auxiliary seed-dropping unit being adapted only for dropping seed on top of the ground, a second rock shaft substantially parallel with the first named shaft and connected with said auxiliary seed-dropping unit to operate the latter, a second arm on said second shaft disposed adjacent the first named arm, a projection on said first named arm which normally clears the second arm, and manually controlled means for moving said second arm in position to be struck and moved by the projection on said first named arm.

1,640,239. DISAPPEARING SHOE-SHINING FOOT REST. WILLIAM JOHNSON, Council Bluffs, Iowa, assignor to James W. Martin, Omaha, Nebr. Filed Aug. 12, 1926. Serial No. 128,801. 2 Claims. (Cl. 15—265.)



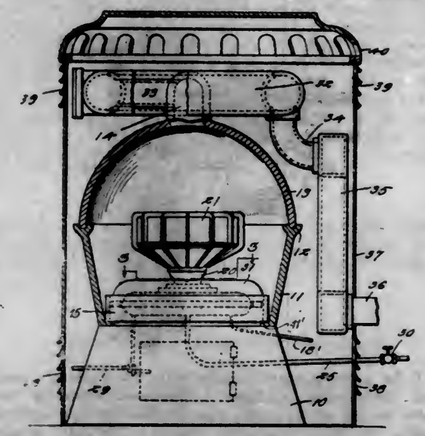
1. The combination with a shoe shining stand having a platform, of a bracket pivotally connected to said stand beneath the platform and extending upwardly through an elongated opening in said platform, a brace for said bracket hinged thereto and to said platform, said brace being formed from hingedly connected sections, and an elongated plate carried by the forward side of the bracket and forming means whereby when said bracket is folded through the elongated opening, said plate will register with and form a closure for the elongated opening.

1,640,240. LIQUID-FUEL BURNER. OTTO J. KIRCHEN, Lansing, Mich. Filed July 27, 1926. Serial No. 125,297. 2 Claims. (Cl. 158—63.)



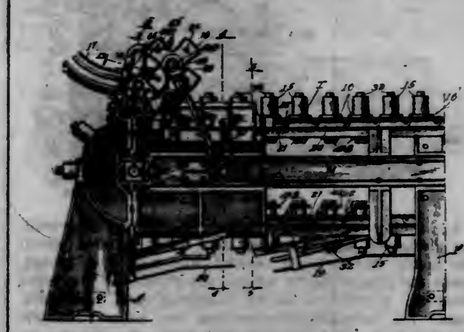
1. A liquid fuel burning device including a starting member having a recess and grooves in its upper face, a tube disposed vertically through the member and having openings leading into the recess, a sleeve surrounding the tube and resting within the recess, said sleeve having openings registering with the tube openings, a gasifying chamber supported on the sleeve whereby its bottom face is spaced above the wall of the recess to provide a gas escape crevice, said tube extending into the chamber, and a fuel conduit leading into the chamber.

1,640,241. OIL HEATER. OTTO J. KIRCHEN, Lansing, Mich. Filed July 27, 1926. Serial No. 125,298. 1 Claim. (Cl. 126—116.)



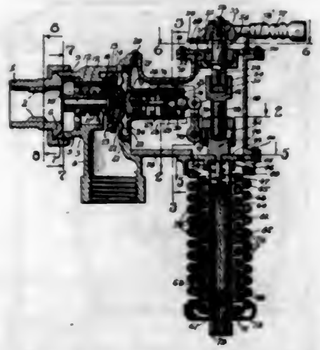
The combination with a heat generating chamber having an outlet in its upper end, of a horizontal radiator having a continuous passage therearound, a pipe connected to the inner face of one side portion of the radiator and to the said outlet, a vertical radiator having a continuous passage therearound, a pipe connecting the upper end of the vertical radiator with the horizontal radiator at a point remote from the first-named pipe, and a smoke pipe leading from the lower end of the vertical radiator.

1,640,242. CAN-TESTING MACHINE. ALFRED L. KRONQUEST, Chicago, Ill., assignor to Continental Can Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 15, 1923. Serial No. 625,301. 16 Claims. (Cl. 73—51.)



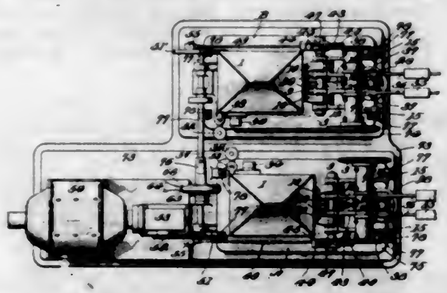
1. A can testing machine comprising continuously traveling supports for the cans to be tested, elastic means carried thereby for closing the open end of the can, means for placing the can under vacuum while held against the support, means for cutting off the vacuum creating means from the can and for closing the can to the atmosphere, means whereby the can is removed from the support if the vacuum is decreased by a leak so as to release the can from its suction hold on the support and means associated with each traveling support for normally cutting off the connection of the vacuum creating means with said support until a can is placed on the support.

1,640,243. THERMOSTATIC SUPPLY VALVE FOR STEAM RADIATORS. JAMES J. LAWLER, Mount Vernon, N. Y. Filed June 14, 1926. Serial No. 115,949. 8 Claims. (Cl. 236—42.)



1. In a thermostatic supply valve for radiators, valve and thermostatic casings, a tensioned normally open valve in the valve casing and thermostatically operated devices in the thermostatic casing in constant engagement with the valve, said devices including a tensioned plunger, a thermostatically expansible tube having lever connections with the plunger, and a thermostatic coil in communication with the tube, said plunger comprising a rod and plunger head, a coil spring inclosing the rod and engaging the plunger head, a member movably mounted on the other end of the rod and engaged by the spring and a block connection between the member and lever.

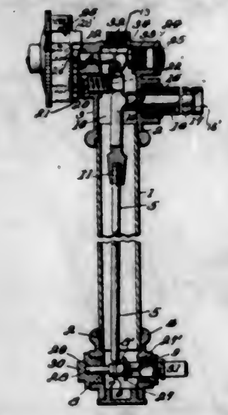
1,640,244. ELECTRIC WELDING APPARATUS. FRED P. MCBERTY, Warren, Ohio. Filed July 20, 1921. Serial No. 486,113. 26 Claims. (Cl. 219—4.)



1. An electric welding machine, comprising two welding electrodes, one of which is a roller between which the metal pieces to be welded are held and moved, means for intermittently moving the pieces and the roller electrode, a welding circuit including said electrodes, means for intermittently moving the roller electrode and the pieces to be welded, and means for turning on and off the welding current while the electrode and pieces are substantially stationary.

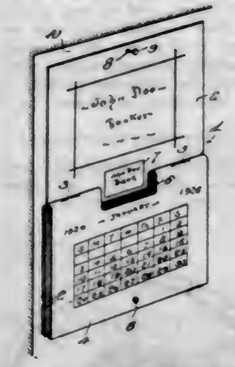
1,640,245. THERMOSTATIC OVEN-HEAT REGULATOR. BENJAMIN EDWARD MEACHAM, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Nov. 16, 1926. Serial No. 148,651. 7 Claims. (Cl. 236—15.)

1. A thermostatic oven heat regulator comprising a movable lever, a fuel valve operatively connected with one end of the lever, a thermostatic element engaging the said lever near its opposite end, a fulcrum located beyond the said thermostatic member, the end of said lever adapted to engage the said fulcrum, and means located between the fulcrum and the said thermostatic



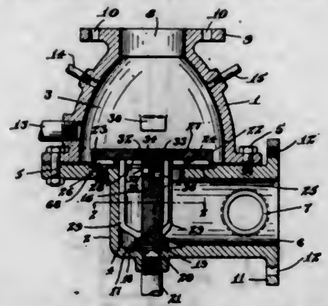
member, said means constantly pressing the lever against the thermostatic member and adapted to press the end of the lever against said fulcrum.

1,640,246. BOOKLET. JOHN J. MURRAY, Yonkers, N. Y. Filed Apr. 15, 1926. Serial No. 102,247. 1 Claim. (Cl. 281—38.)



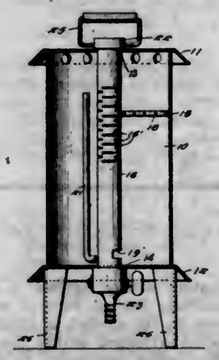
A booklet comprising a stack of double leaves folded along a central line and bound together at the line of fold, the front and rear leaf portions of the outer double leaf being uncut at the hinge and forming cover leaves jointly bearing on their inner faces a display panel centrally registering with the line of fold of said leaf portions and extending to equal degrees in opposite directions on said leaf portions beyond the binding line, each intermediate double leaf of the stack being provided with a central cut out opening through its line of fold and extending to equal degrees in its leaf portions on opposite sides of the line of fold, the front leaf portion of the outer double leaf adapted to be turned on the fold line to an open position in which it lies in the plane of the rear leaf portion of said double onter leaf and in which its inner face is exposed simultaneously with the front face of the adjacent leaf portion of the outermost intermediate double leaf of the stack, whereby when the front cover leaf is opened into the plane of the back cover leaf, the display panel will be exposed fully on both sides of the binding line through the cut outs of the leaf portions of all the inner double leaves in both the normally closed and open or turned positions of the latter, the front cover leaf portion and each intermediate leaf portion being provided at its free edge opposite the binding line with a perforation, said perforations registering in the open position of the leaves, whereby the opened leaves may be engaged with a hanger to suspend the booklet from a fixed support.

1,640,247. VALVE. BROR L. OLOFSSON and RUDOLPH E. PETERSON, Dorchester, Mass. Filed Mar. 5, 1926. Serial No. 92,413. 2 Claims. (Cl. 169—22.)



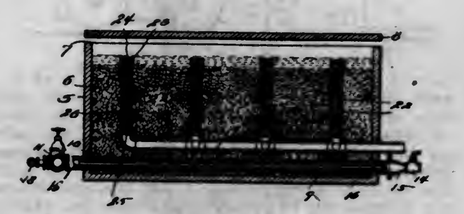
1. Water supply controlling mechanism for use in automatic sprinkler systems, comprising a casing defining a chamber having a water inlet and a water outlet, a valve normally seated in said chamber and closing said inlet, and adapted to be opened upon decreased pressure in said chamber, the chamber surface of the valve having a substantially greater area than the surface exposed to the inlet, a stem depending from said valve, a recess in said valve stem, means functioning upon operation of said valve to permit the sounding of an alarm, means to limit movement of said valve, an auxiliary valve seated approximately centrally in said main valve and in alinement with said valve stem and exposed to said recess, said recess extending from the water inlet to said chamber, the chamber surfaces of said two valves being substantially flush, the chamber surface of the auxiliary valve having a substantially greater area than the surface exposed to the recess in said valve stem, means to limit movement of said auxiliary valve, said last named means comprising a stem depending from said auxiliary valve into the recess in the main valve stem, a pin on said auxiliary valve stem, and a slot in the main valve stem in which said pin may slide, the height of said slot determining the limit of movement of said auxiliary valve.

1,640,248. GAS HEATER. EMERY PEPIN, Santa Barbara, Calif. Filed Jan. 6, 1927. Serial No. 159,444. 1 Claim. (Cl. 126—85.)



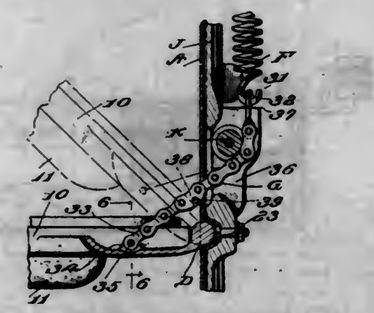
A gas heater comprising a casing having openings in its upper and lower ends, and an ignition opening in one ride, a burner tube disposed within the casing and projecting through the openings in the ends of the casing, said tube having a lateral opening adjacent its lower end and transverse slots adjacent its upper end, a cap engaged on the upper end of the tube, a valved connection engaged on the lower end of the tube, a gas discharging nozzle extending from the said connection upwardly into the tube, and above said lateral opening, a laterally extending perforated pilot tube connected with the upper portion of the burner tube and extending to a point adjacent said ignition opening, and a hot air conduit connected with the lower portion of the tube opposite the said lateral opening and extending upwardly to a point adjacent the uppermost of said slots and externally of the tube.

1,640,249. APPARATUS FOR FILTERING AND PURIFYING LIQUIDS. CHARLES H. PERRY, Miami, Fla. Filed May 10, 1923. Serial No. 638,015. 4 Claims. (Cl. 210—130.)



1. A filtering apparatus comprising an enclosure having a filtering bed closely engaging the side walls thereof and a reservoir space above the upper surface of the filtering bed, liquid supply pipes extending into the enclosure at the base of the filtering bed, air pipes extending into the supply pipes and longitudinally with relation to the latter, the supply pipes and air pipes having upper perforations for forcing the liquid under air pressure upwardly through the filtering bed into the reservoir space above the latter, and a discharge pipe at the lower portion of the bed having cross branches with vertically extending tubular receivers terminating above the upper surfaces of the filtering bed and provided with upper open ends and imperforate side walls, each of the receivers also having filtering material therein.

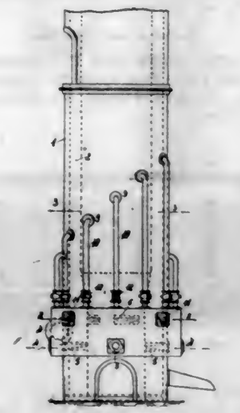
1,640,250. DOOR HANGER. MINARD A. POSSONS, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 29, 1925. Serial No. 46,781. 11 Claims. (Cl. 126—190.)



1. A hanger construction for stove doors or the like, comprising a door having circular-shaped members at its lower edge, a door frame having depressions forming

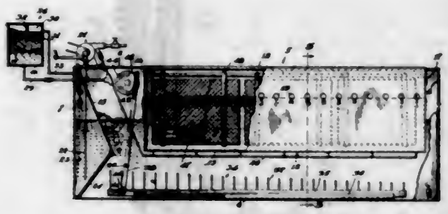
bearings for said circular shaped members, and resilient means behind said door frame and having connection with the door for holding the door members in their bearings.

1,640,251. CUPOLA FURNACE. ADOLPHE POUMAY, Jambes-lez-Namur, Belgium. Filed Apr. 16, 1925, Serial No. 23,637, and in Belgium Apr. 18, 1924. 2 Claims. (Cl. 266—30.)



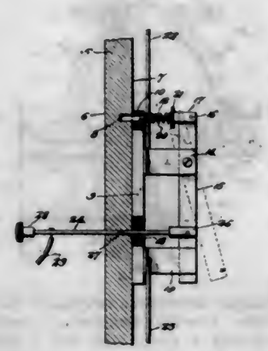
1. In a cupola furnace, in combination with an air chamber surrounding the furnace at the level of the melting zone, a lower set of tuyères arranged towards the centre of the furnace, a second set of tuyères arranged at a higher level, the said tuyères comprising two branches, one of which is directed towards the center of the furnace and the other tangentially thereto and a third set of tuyères spirally arranged around the cupola whereby air is fed by the tuyères of the third set at relatively different levels throughout a furnace area from the air chamber to that part of the furnace containing the charge.

1,640,252. REFRIGERATOR. DARL A. RIZER, Los Angeles, Calif., assignor of one-half to Edward F. Stella, Los Angeles, Calif. Filed Aug. 28, 1922. Serial No. 584,723. 3 Claims. (Cl. 62—101.)



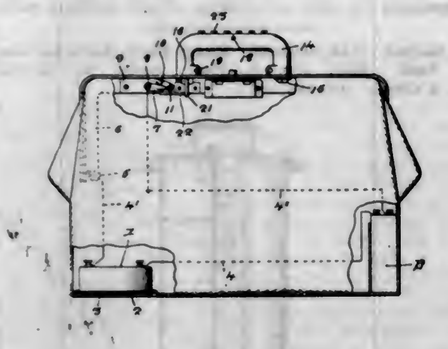
1. In a refrigerating apparatus, a tank containing a refrigerant of ice and brine, a refrigerating reservoir submerged in the refrigerant in said tank, a pump, an intake pipe leading from the tank to the pump, and a discharge conduit leading from said pump through the refrigerant in the tank and communicating with the reservoir, said reservoir being formed with overflow apertures opening to said tank.

1,640,253. AUTOMATIC LIGHTING SWITCH FOR RADIOS. GEORGE E. ROESCH, Pittsburgh, Pa. Filed Aug. 18, 1924. Serial No. 732,691. 2 Claims. (Cl. 200—153.)



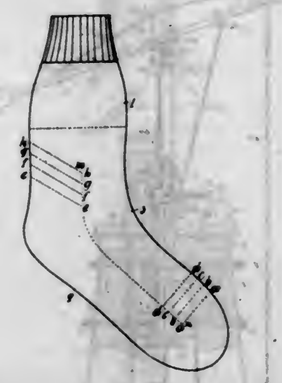
1. A switch for radio apparatus including a switch embodying a switch bar, and a rod in electrical communication with the radio apparatus and in contact with the switch bar to operate the latter, said rod loosely engaging the bar and being unconnected thereto to permit separation of the rod and bar when the latter is in a closed position.

1,640,254. AUTOMATIC ALARM FOR SATCHELS. EDGAR FORREST SCALES, Danville, Va. Filed Nov. 6, 1925. Serial No. 67,416. 5 Claims. (Cl. 177—316.)



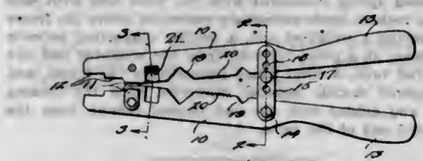
1. In combination with a satchel, a handle thereon, means for permitting limited vertical movement of the handle, an alarm in the satchel, a circuit for the same including a switch arranged within the satchel, means operable by the vertical movement of the handle with reference to the satchel for closing the circuit and means for preventing vertical movement of the handle when desired.

1,640,255. STOCKING AND SOCK. ANNA MARGRETTE SOFFEN SCHNIEBER, Copenhagen, Denmark. Filed June 18, 1926, Serial No. 116,972, and in Denmark Mar. 27, 1926. 1 Claim. (Cl. 2—239.)



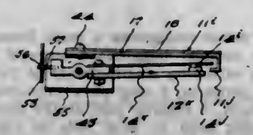
In an improvement for hosiery, a secondary foot section provided with side finishing edges and with a plurality of transversely extending finishing edges at the toe and heel portions thereof, and said finishing edges being uniformly spaced and parallel to each other, substantially as and for the purposes set forth.

1,640,256. TOOL. SHIRLEY E. SMALL, Brockton, Mass. Filed Sept. 11, 1925. Serial No. 55,871. 2 Claims. (Cl. 81—84.)



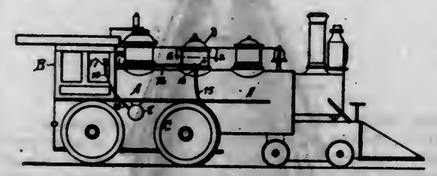
1. A wrench comprising a pair of complemental members, links upon opposite sides of and hingedly connecting the members adjacent one end, gripping portions spaced along the opposed edges of said members, handles for said members, links having one of their ends pivotally connected to the opposite sides of one of the members, and means to adjustably engage said links with the other member to limit pivotal movement of the members.

1,640,257. THERMOSTATIC SWITCH. EMIL STRANSZKY, Warren, Pa., assignor to Frank B. Rae, jr., and E. G. K. Meister, Cleveland, Ohio. Original application filed Dec. 8, 1921, Serial No. 520,970. Divided and this application filed Oct. 21, 1925. Serial No. 596,087. 1 Claim. (Cl. 200—139.)



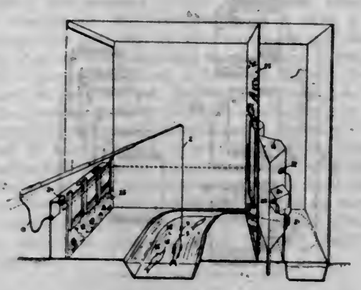
A switch of the class described including a stationary support, a thermostatic bar formed of two metals, one of which is less amenable to the action of heat than the other, a hook depending from the outer end of said bar, a lever member pivotally mounted on the support beneath the thermostatic bar, a second bar detachably secured to the under side of the lever at one end thereof, a resilient strip detachably secured to the opposite side of th bar and insulated therefrom, and both said bar and strip having engaging contacts at the outer end, the outer end of said strip being positioned in the path of said hook, and a heel pin connected with the other end of the said lever connecting the lever member with a hand-pointer.

1,640,258. AIR SANDING DEVICE. ROY M. TAYLOR, Richmond, Ind. Filed Nov. 1, 1926. Serial No. 145,469. 3 Claims. (Cl. 291—11.)



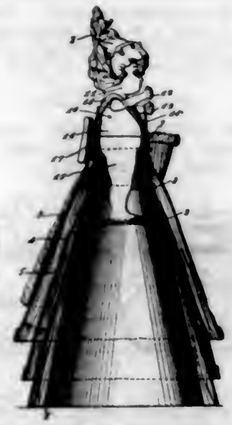
1. In combination with a locomotive having a sand-dome thereon, drive-wheels, and a cab connected therewith; an air sanding device connected with the sand-dome and comprising a body member located inside the sand-dome and consisting of a disc contacting with the inner side of the wall of the sand-dome, arms extending inward from said disc, a plate connecting the inner ends of said arms with a swell portion in the center of said plate; a nozzle threaded into said swell portion and directed toward an aperture formed through said disc, a nipple extending through the wall of the dome and threaded into said aperture in the disc, a nut threaded on said nipple and adapted to be clamped upon the outer side of the dome, a T-fitting secured on the outer forward end of said nipple, a pipe leading down to a drive wheel from said fitting, a plug secured in the forward end of said fitting, an air conducting pipe leading from said nipple to the cab, a valve on the rear end of said air pipe, and an air pipe leading from said valve to a source of compressed air.

1,640,259. BOOTH GAME. ANDRÉ VALLAT, Paris, France, assignor to M. Sol Lesser, Los Angeles, Calif. Filed Dec. 16, 1926, Serial No. 155,251, and in France Aug. 9, 1926. 6 Claims. (Cl. 273—140.)



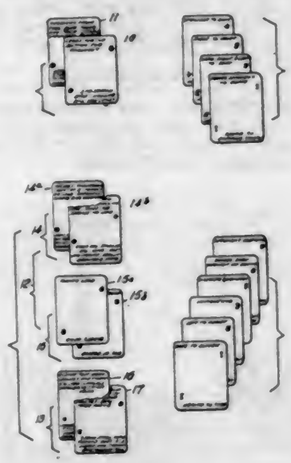
1. A booth game comprising a fishing-rod, a line secured to the fishing rod, a hook at the outer end of the line, an electric circuit, a number of objects adapted to move in front of the hook, a ring borne by each object and adapted to engage said hook, a switch in said circuit borne by the rod and adapted to close when one of the said objects is hung on the hook, a spring urging the switch into its circuit breaking position, a photographic apparatus disposed in front of the rod and the shutter of said apparatus adapted to be opened when the circuit is operative.

1,640,260. DOLL. CLARENCE F. VOGEL, Rock Island, Ill. Filed Sept. 14, 1926. Serial No. 135,323. 7 Claims. (Cl. 46—40.)



1. A doll comprising a hollow pedestal open at its top, a doll body mounted in and supported from the top of the latter and further extended upwardly therefrom, a waist mounted on the doll body above and connected to said pedestal, and a skirt secured to and surrounding the pedestal.

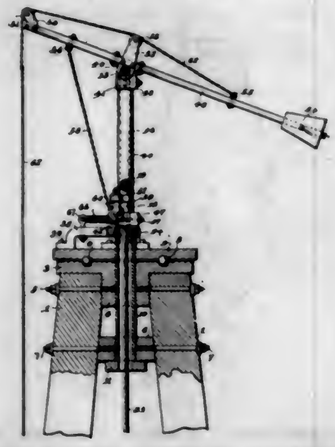
1,640,261. CARD GAME. MARSHAL H. WHALEY and CLEO W. ECKENWILER, Morrison, Okla. Filed Aug. 26, 1926. Serial No. 131,734. 15 Claims. (Cl. 273—152.)



1. A card deck comprising offensive and defensive groups, the offensive group including a card the playing of which inflicts a penalty upon the defensive player, the defensive group including cards cancelling the lead of any card in the offensive group, with the exception of said penalty card.

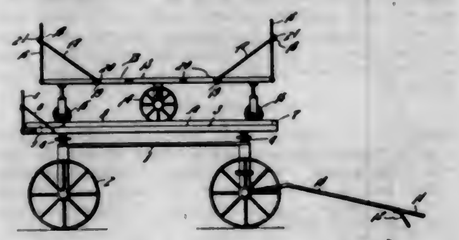
9. A card deck comprising offensive and defensive groups each including count and "no count" cards, the "no count" cards of the defensive group including cards cancelling the lead of any count card of the offensive group.

1,640,262. WINDMILL. IRA WOLF, Elm Creek, Nebr. Filed Aug. 15, 1925. Serial No. 50,475. 2 Claims. (Cl. 170—46.)



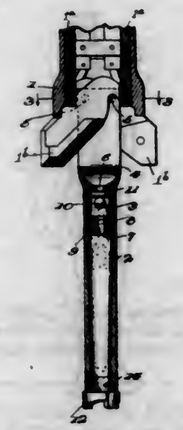
1. In a windmill of the character described, a supporting tower, a turn table carried at the top of the tower, an arm fixed to the turn table and having a threaded bearing, a tubular coupling element engaged centrally in the tower and in the threaded bearing, a substantially rectangular shaped frame integrally formed with the bearing and rising vertically from the turn table, a wind vane pivotally connected to the vertical frame, a coiled tensioned spring connected with the vane and with said arm, a rocking beam swingingly supported above the frame and having a weighted end, a flexible connection between said beam at a point removed from the weighted end and the wind vane, a wind wheel journaled in the frame, and a weighted flexible member connected with the rocking beam and guided over the end thereof remote from the weighted end of the same.

1,640,263. TRUCK. PAUL F. BURGETT, Mexico, Mo. Filed Feb. 18, 1924. Serial No. 693,678. 1 Claim. (Cl. 214—38.)



A loading device comprising a main frame, a platform mounted for vertical adjustment on said main frame, parallel rails extending longitudinally of the central portion of said platform, a stop piece extending at one end of said platform, a foldable plat at the other end of the platform, flared ends on said rails at one end of the platform, a second truck having spaced supporting wheels at the central portion thereof and caster wheels at each end of the second truck for engagement upon the rails on the platform of the main truck and foldable end frames at each end of the second truck as and for the purpose specified.

1,640,264. CORE BARREL. OSCAR M. CARTER, Houston, Tex. Filed Aug. 27, 1925. Serial No. 52,904. 2 Claims. (Cl. 255—72.)



1. In a sampling device, a core barrel having its exterior of cylindrical form and having its interior tapered downwardly from its upper to its lower end, a cutter at the lower end of the barrel, an attaching plate having a nipple threaded into the upper end of the core barrel, the juncture of the nipple and the attaching plate being provided with a vent, a valve seat provided within the nipple and having an opening affording communication between the vent and the interior of the barrel, and a downwardly seating ball valve co-operable with the valve seat.

1,640,265. PIPE WRENCH. MARVEN WILLIAM CROW, Fort Dodge, Iowa. Filed June 19, 1926. Serial No. 117,156. 1 Claim. (Cl. 81—96.)



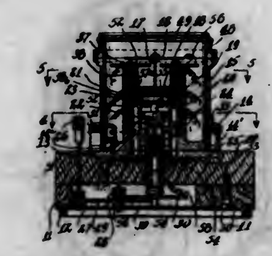
A wrench of the class described comprising a handle having an enlarged inner end which is provided with a recess, a yoke-shaped frame fastened to the enlarged portion and having a part forming a guide, a movable jaw having a shank slidably mounted in the guide, the inner edge of the shank being toothed, a toothed wheel rotatably mounted in the recess with its teeth engaging the teeth of the shank and some of its teeth projecting beyond the end of the enlarged part so that they will engage and be placed between the jaws and thus the wheel will be rotated, and a spring-pressed plate carried by the handle and engaging the shank.

1,640,266. SIGNAL. JOHN ARTHUR DES ROSIERS, Toronto, Ontario, Canada. Filed June 22, 1925, Serial No. 38,756, and in Canada Feb. 10, 1925. 4 Claims. (Cl. 116—36.)



1. A resetting means for a reciprocable vehicle signal, comprising a pivotally mounted lever member, a cam carried at one end of said member arranged for contact with a movable part of a steering mechanism for swinging the lever, an oscillatory shaft actuated by said lever upon the swinging of the same, and means connecting said shaft with said signal for moving the same from signaling position.

1,640,267. TELEPHONE RELAY. ARCADY DEVIATKOFF, San Francisco, Calif. Filed Jan. 13, 1926. Serial No. 80,857. 2 Claims. (Cl. 179—171.)

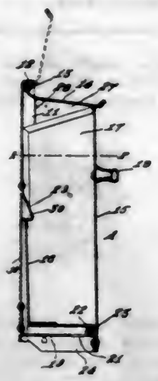


1. In a device of the class described, having a microphone, and an operating knob with a train of gears for adjusting the pressure or the microphonic substance of said microphone, the combination of a base, a supplementary base attached to the bottom of said base, said train of gears being mounted in said bases, a washer fastened to the upper side of said base, a support threadedly engaged in said washer, said support having a chamber at its upper end to house said microphone, a member engaging against said microphone, a threaded rod connected to said member, a rotatable member threadedly engaging said rod, said rotatable member being connected to the last gear of said train of gears, a body supported in said base, said body forming a bearing for said rotatable member, and an expansion spring acting between said body and said member which engages against said microphone.

1,640,268. MAIL BOX. DANIEL S. DILLENBACH, Hastings, Nebr. Filed June 11, 1926. Serial No. 115,326. 1 Claim. (Cl. 232—28.)

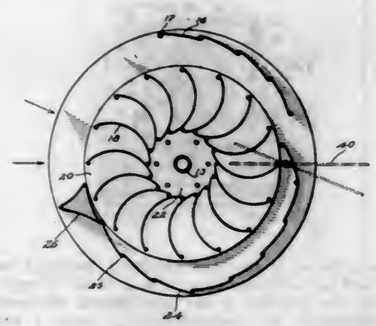
In combination, a frame-like support, an extension projecting forwardly from the lower end thereof, a mail box mounted for pivotal movement on said extension and capable of being swung from a vertical closed position to a horizontal open position, a sectional extensible brace with its sections pivotally connected together and adapted to lie in superimposed relation beneath the box when the latter is closed, one of said sections being pivotally con-

nected to the bottom of the box, and the other section pivoted to the support, whereby said sections assume a diagonal position with relation to the box to support the



latter horizontally in open position, said box being open at its top, and a downwardly inclined pivoted cover normally closing the box.

1,640,269. WIND ROTOR. HUBBARD ELLISON, London, Ontario, Canada. Filed June 10, 1926. Serial No. 115,080. 4 Claims. (Cl. 170—12.)



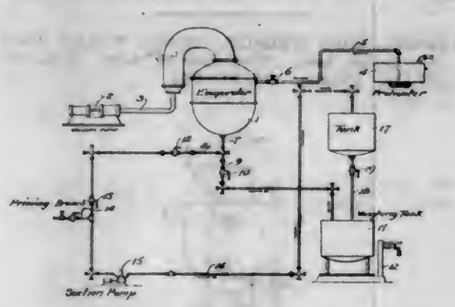
1. In a wind motor a wind driven rotor having an annular series of sails, a mast about the axis of which the rotor turns, a hub on said rotor turnable with said mast, a fixed floor secured to the mast, rollers on the floor at intervals, a structure outside of the rotor, including a platform resting on said rollers, as well as a housing secured to said platform, a power shaft, means to drive said shaft by the turning of the rotor, a governor, a wind vane, said structure being turnable bodily by wind pressure on said vane, and means to swing said vane by the movements of the governor, said governor and said last mentioned means being mounted above said platform and the turning of said structure bodily by the vane serving to reduce or increase the effective sail area of the rotor presented to the wind.

1,640,270. AVIATOR'S SUIT. WILLIAM RUSSELL FURMAN, Troy Mills, Iowa. Filed Mar. 6, 1926. Serial No. 92,826. 1 Claim. (Cl. 244—21.)

In a device of the class described, a garment, individual air-tight containers affixed to said garment, and in communication with each other, and a separate container connected to the shoulder portions of the garment, means for separately inflating the container last named, to permit it to rise above the head of the wearer, said separate container acting as a shoulder and back support when partly inflated for floating in water, and being proportioned to serve as a parachute when released to assume a position above the head.



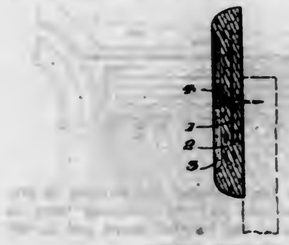
1,640,271. APPARATUS FOR CONDENSING MILK. RICHARD M. GARRETT, Yonkers, N. Y., assignor to Nestle's Food Company, New York, N. Y., a Corporation of New York. Filed Oct. 14, 1922. Serial No. 594,663. 1 Claim. (Cl. 159—48.)



An aparatus for condensing milk, comprising a vacuum pan, a preheating tank, a pipe for conveying milk from the preheating tank to the vacuum pan and provided with a regulating valve, a vacuum pump having a suction branch connected to the vacuum pan for drawing the milk through said tank, pipe and regulating valve into the pan and for maintaining a vacuum in the latter, a relatively long slender discharge pipe connected at one end to the vacuum pan and having a portion extending downwardly from the latter to maintain a liquid seal for the pan, a suction pump connected to the other end of said discharge pipe and capable of withdrawing milk from the vacuum pump is in operation, and a discharge branch for the suction pump.

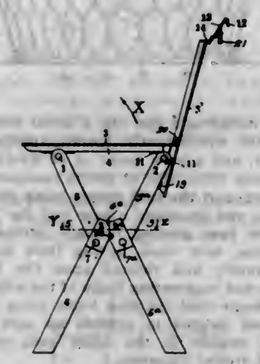
1,640,272. EVAPORABLE DEVICE. WALTER E. GOTHAM, Elizabeth, N. J. Filed June 1, 1926. Serial No. 113,025. 1 Claim. (Cl. 299—24.)

A disinfectant pad comprising a center strip of non-evaporative material entirely coated and enclosed on its sides and edges with a composition capable of slowly volatilising to give off an antiseptic and disinfectant



effluvia, said pad having a hole entirely through a portion of the non-evaporative material and volatile composition for receiving supporting means.

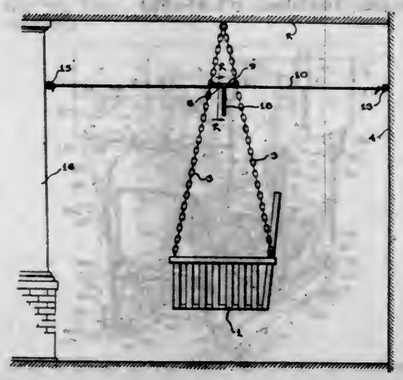
1,640,273. SEAT WITH FOLDING BACK. JEAN ALFRED HALAIS, Paris, France. Filed Jan. 29, 1926. Serial No. 84,701, and in France Jan. 30, 1925. 5 Claims. (Cl. 155—147.)



1. A folding seat comprising: legs in two parts,—a joint connecting the two parts of each leg,—a joint connecting the lower parts of the legs,—cross-bars connecting the upper parts of the pairs of legs,—cross-bars connecting the lower parts of the said legs,—a seat-forming panel jointed at the front to one of the upper cross-bars,—a back-forming panel jointed at its lower parts to the other upper cross-bar,—and means for holding the legs at a fixed distance apart and ensuring the rigidity of the seat in the open position.

1,640,274. PORCH SWING. GEORGE L. HALL, St. Petersburg, Fla. Filed Jan. 27, 1926. Serial No. 84,179. 2 Claims. (Cl. 230—7.)

1. A fan attachment for a swing having pairs of flexible suspension members by means of which the ends of the swing seat are suspended from an overhead support, said attachment comprising a shaft, a pair of shaft supporting and operating cables, each of said cables having an end portion thereof secured to a fixed support at the rear of the swing and then passed underneath and around an end portion of the shaft, the opposite end portion of said cable being secured to a fixed support in front of said swing, a pair of other shaft supporting and operating cables each having an end portion secured to one of said swing suspension members, and then being passed



over the associated end portion of the shaft and around the shaft and then secured to the adjacent swing suspension member, and a blade carried by said shaft.

1,640,275. AUTOMOBILE SIGNAL. GEORGE E. HITCHCOCK, Flint, Mich., assignor of one-third to Ambrose Alford, Flint, Mich. Filed May 17, 1922. Serial No. 561,752. 1 Claim. (Cl. 177—329.)



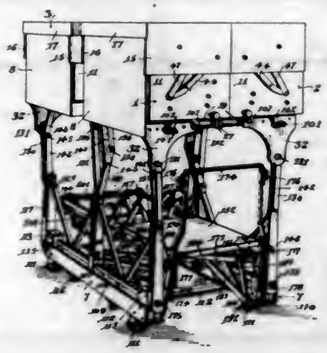
A signal for automobiles including a casing, a vertical partition therein, a plurality of horizontal partitions connected with the vertical partition and the rear of the casing for providing a plurality of closed compartments, glass covering one side of said closed compartments, the upper end of the vertical partition having an opening therein, an elongated compartment above the closed compartments, having glass ends and including the upper part of the partitions intermediate its ends, lamps secured to the vertical partition for illuminating the glass sides of the closed compartments and a lamp mounted adjacent the opening in the partition.

1,640,276. HOSE PROTECTOR. EARNEST HOENISCH, Wausau, Wis. Filed Nov. 5, 1926. Serial No. 146,491. 3 Claims. (Cl. 104—275.)



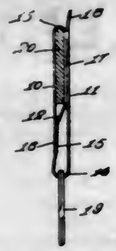
1. An arched rigid bridge protector for a fire hose comprising a pair of bridges connected by folding links and of a width when in service to permit the tires of a vehicle to pass over without damage to the hose.

1,640,277. COMBINATION DESK AND FILE. JOHN A. HUGHES, Waco, Tex. Filed June 11, 1926. Serial No. 115,392. 16 Claims. (Cl. 45—52.)



1. A combined desk and file comprising a pair of oppositely movable, synchronously shiftable, normally closed filing units, a normally lowered vertically movable support for a typewriter or computing machine, a slidable support for each of said units, a carrier for each slidable support, and link and lever mechanisms connected with said units, supports and carriers and adapted when operated in one direction, to provide for the simultaneously shifting of said units to open position and said vertically movable support to its uppermost position and when operating in the opposite direction to lower said vertically movable support and to shift said units to closed position and in sidewise abutting relation and further superposed with respect to the lowered support.

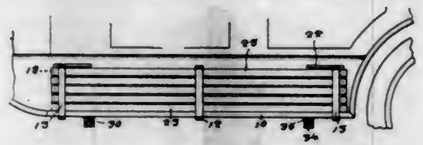
1,640,278. KEY-RING HOLDER. ALEX JOHNSON and JOHN A. SIDLE, Helena, Mont. Filed Jan. 14, 1927. Serial No. 161,134. 1 Claim. (Cl. 24—3.)



A key ring holder formed of a single strip of resilient material and comprising inner and outer parallel bars, an intermediate bar having its opposite ends connected to the inner and outer bars and providing a belt receiving loop at one end of the holder and a key receiving loop at the opposite end thereof, the intermediate bar being offset and having one of its faces flatly engaging the inner bar for an appreciable distance and its other face flatly engaging the outer bar for a relatively greater distance and the free end of the outer bar extending beyond the adjacent end of the belt receiving loop and having an outwardly curved extremity.

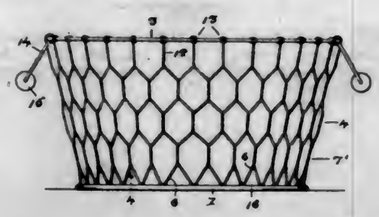
1,640,279. UTILITY RACK. HENRY L. LECKLITER, Bakersfield, Calif., assignor of one-half to Charles H. Tilden, Bakersfield, Calif. Filed July 14, 1926. Serial No. 122,467. 3 Claims. (Cl. 224—29.)

1. In a device of the class described, a plurality of hinges each including pivotally connected sections, one of the sections being adapted to be secured beneath a running board, and slats carried by two of the other sections, the slats of one section being positioned to lie between the slats of the other section when the hinge sections by which they are carried are folded, and devices



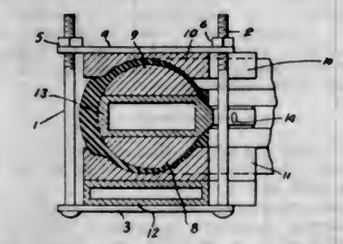
passing thru the slats for retaining the sections in predetermined relative position and for retaining them in substantially the plane of the running board and in different positions with reference thereto.

1,640,280. CLOTHES BASKET. INGERINUS E. LOBECK, Appam, N. Dak. Filed Nov. 12, 1926. Serial No. 148,043. 1 Claim. (Cl. 220—19.)



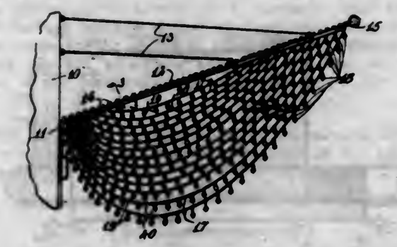
A basket including a rim top, a metal bottom which is provided with equidistantly spaced apertures adjacent its perimeter, and a body made up of wire strands, each of said strands being bent at points equidistant from the center thereof, and the said center being disposed at opposite angles and providing a base and the limbs extending from the base passing through alternate apertures in the bottom, said limbs having their lower portions inclined inwardly and twisted upon the limbs of the intermediate and cooperating limbs of the adjacent strands and from thence such twisted limbs being further bent angularly and twisted to provide an open weave, and the twisted strands at the upper ends of the basket being wound around the rim.

1,640,281. VULCANIZER. CHARLES C. MARBLE, Bradenton, Fla. Filed Oct. 2, 1926. Serial No. 139,132. 2 Claims. (Cl. 18—18.)



1. A vulcanizing mold for automobile shoes comprising segmental arc-shaped metal blocks on the sides of a metallic steam drum completely filling a section of the shoe, metal blocks inclosing the outer surface of the shoe, and means for applying heavy pressure during the vulcanization treatment.

1,640,282. ELECTRICAL FLAG. ARNOLD MIGLIACCIO, Brooklyn, N. Y. Filed Mar. 24, 1927. Serial No. 177,951. 11 Claims. (Cl. 40—126.)



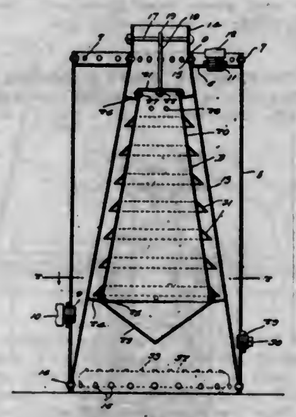
2. In a device of the class described, a post, a plurality of wires arranged in progressively sagging rows on the bottom side thereof, and lamps connected to the wires.

1,640,283. METHOD OF FORMING STITCHED BUTTONHOLES. HENRY C. MILLER, Waterford, N. Y. Filed Aug. 25, 1922. Serial No. 584,323. 12 Claims. (Cl. 112—264.)



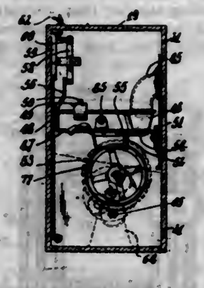
1. The herein described method of forming stitched button-holes, consisting in cutting the fabric to leave a foldable margin within the proposed button-hole outline, and folding said margin onto the fabric in the stitching of the button-hole.

1,640,284. WATER HEATER OR BOILER. LEWIS JOHN MITCHELL, Warren, Ohio. Filed Apr. 12, 1926. Serial No. 101,408. 2 Claims. (Cl. 126—85.)



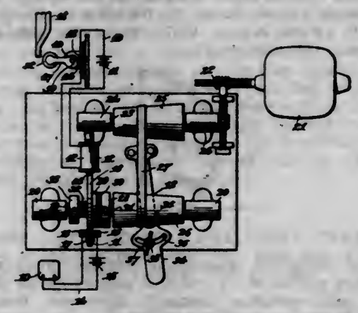
1. A device of the class described including, in combination, a casing, a flue tube of frusto-conical formation in the casing and forming therewith a fluid circulating chamber, a bolt extending transversely across the upper end of the tube, an eye bolt receiving the first bolt and depending therefrom, a hollow frusto-conical shaped baffle having a closed top through which passes the second bolt for suspending the baffle in the tube, and a heating element beneath the baffle.

1,640,285. SANITARY-TOILET-SEAT-PAPER-VENDING MACHINE. JOHN MORTKA, Poughkeepsie, N. Y. Filed July 26, 1926. Serial No. 124,897. 2 Claims. (Cl. 194—10.)



1. In a device of the class described, the combination with a ratchet wheel moved a certain predetermined part of a revolution by the action of certain dispensing means, of a casing, a carriage pivotally attached thereto, a coin box attached to the carriage, the said coin box being formed with a bottom slot, a bracket hinged to the carriage, a roller on the said bracket, said roller being engageable with the said ratchet wheel, means for normally keeping the roller engaged with the ratchet wheel, the said bracket being formed with a slot coincidable with the slot of the coin box, in a certain position only of the roller to the ratchet wheel, an extension member from the said carriage, a motor connected to operate the said dispensing means, and a switch for closing the circuit of the motor, and operated by the extension member when moved by a coin falling into or from the coin box and pivoting the carriage.

1,640,286. SIGNALING MECHANISM. ROBERT A. NEUSCHOTZ, New York, N. Y. Filed May 9, 1925. Serial No. 29,167. 7 Claims. (Cl. 177—336.)

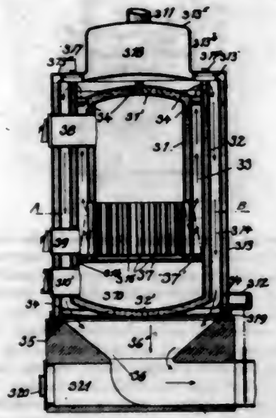


1. In an elevator signaling device, an elevator operable between the plurality of floors, a signal at one or more of the floors, and means operated by the arrival of the elevator at a floor for actuating the signal for that floor at a predetermined time thereafter.

1,640,287. HEATER. PETER NEUSSER, Aachen, Germany. Filed Jan. 5, 1925, Serial No. 667, and in Germany Jan. 7, 1924. 1 Claim. (Cl. 122—160.)

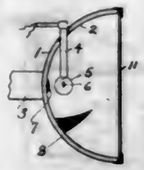
In a heater comprising at least three concentrically arranged spaced cylinders the intermediate and innermost one of which are double-walled and adapted to contain water, heating channels between the cylinders, each cylinder having a double walled closed end adapted to

contain water, the closed end of the innermost cylinder being at the upper end of such cylinder, the closed end of the intermediate cylinder being at the lower end of such cylinder, and the closed end of the outermost cylinder being at the upper end of such cylinder, the innermost cylinder being shorter than the other cylinders, a furnace arranged underneath the innermost cylinder in the intermediate cylinder, said furnace including hollow



grate bars adapted to contain water and communicating with one another and with the water space of the intermediate cylinder, and a series of spaced upwardly directed connecting tubes between the grate and the lower end of the innermost cylinder, these tubes and the grate bars forming together a basket serving as fire box, and a flue arranged centrally below the cylinders and being in communication with the annular heating channel between the intermediate and the outermost cylinder.

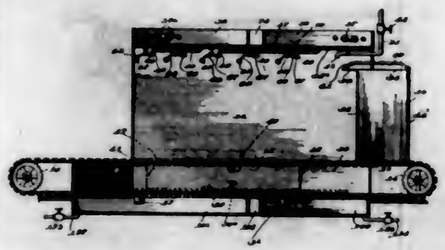
1,640,288. NONGLARE HEADLIGHT. JOSHUA BANKS NICHOLSON and CLARA S. NICHOLSON, Washington, D. C. Filed Jan. 4, 1927. Serial No. 158,941. 1 Claim. (Cl. 240—48.2.)



In an automobile headlight, a reflector having a non-reflecting surface at its centre, a support for an electric light bulb extending vertically downward from the upper portion of the reflector and an electric light bulb carried by said support having the axis of its filament vertical in front of said non-reflecting surface, the reflector being provided below the electric light bulb with a non-reflecting surface in line with the axis of the filament in position to receive the end rays therefrom.

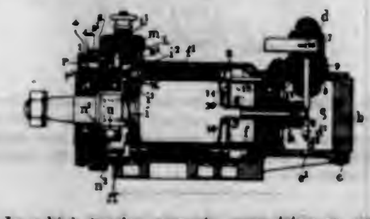
1,640,289. PASTEURIZING APPARATUS. SENZO OYAMA, Hilo, Territory of Hawaii. Filed Nov. 4, 1926. Serial No. 146,227. 9 Claims. (Cl. 126—272.)

1. A pasteurizing device comprising a cabinet, a travelling carrier movable through the cabinet, a plurality of reservoirs located below the travelling carrier, a pair of reservoirs at the top of the cabinet and means for releasing the water from the reservoirs at the top of the cabinet for spraying, a container for carrying bottled liquid adapted to be drawn through the chamber by the travelling carrier and sprayed by liquids of different temperatures which are contained within the reservoirs



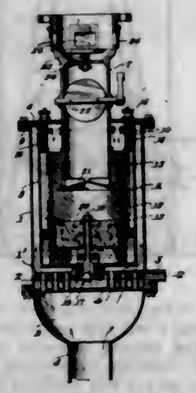
at the top of the cabinet, nozzles connected with the reservoirs at the top of the chamber, means co-acting with the ends of the nozzles for maintaining the nozzles closed, and means mounted on the top of closing means of the nozzles to open position.

1,640,290. MAGNETO. JEAN EMILE PÉRISSET, surnamed Emmanuel Périsset, Chatillon-sous-Bagneux, France. Filed July 11, 1925. Serial No. 43,023, and in France May 19, 1925. 5 Claims. (Cl. 123—149.)



1. In a high tension magneto, comprising an outer adjusting system provided with a cam, a particular arrangement of this adjusting system consisting of a hollow crown, a ring within this crown, push pieces on this ring, these push pieces being permanently secured in position and acting on the adjusting cam.

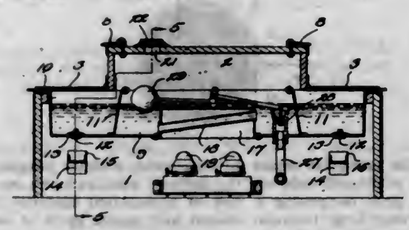
1,640,291. CARBURETOR. RALPH D. PERKINS, Kenosha, Wis. Filed Oct. 4, 1926. Serial No. 139,452. 1 Claim. (Cl. 261—105.)



A carburetor for an internal combustion engine comprising inner and outer casings spaced apart, a fuel chamber in the outer casing and in communication with

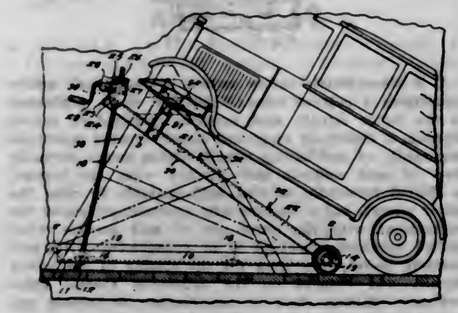
the inner casing, a float controlled valve for controlling such communication, a cylindrical wick in the inner casing and depending into the fuel therein, an outlet pipe extending into the space defined by the wick, means for permitting the suction of the engine to draw heated air through passages formed in the chamber and around the inner casing and into the same and through the wick and an adjustable shield surrounding the wick and having an opening exposing portions of the wick.

1,640,292. HOG WATERER. FRANK F. PETRICK, Wilsonville, Nebr. Filed July 26, 1926. Serial No. 125,088. 2 Claims. (Cl. 119—73.)



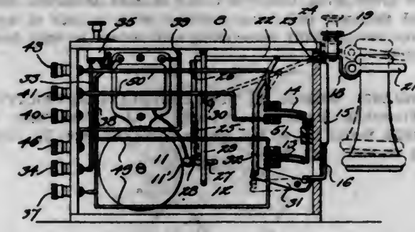
1. A watering device comprising a casing, a pan therein having its side walls spaced from the side walls of the casing with a passage for connecting the lower space of the casing with the space above the pan, a dome at the center of the pan, an inclinedly arranged tube passing through the dome with its ends in communication with the pan, heating means in the lower part of the casing under the dome, the products of combustion and heated air coming in contact with the bottom and sides of the pan and with the dome and the tube therein and passing upwardly through the dome passage to the space above the pan and means for permitting stock to drink from a portion of the pan.

1,640,293. AUTOMOBILE JACK. GUY L. PITT, Rocky Mount, N. C. Filed Mar. 11, 1926. Serial No. 93,962. 1 Claim. (Cl. 214—1.)



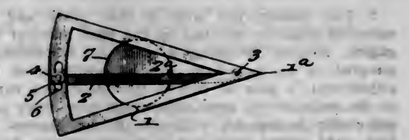
In an automobile jack, a wheel supported main frame, said frame being U-shaped, a second U-shaped frame having the arms thereof pivoted to the arms of the first named frame, a connection between the bights of the frames for shifting the second frame about the pivot thereof, a member bridging the arms of the second frame adjacent the bight portion thereof and having a channel in its upper face adapted to receive the axle of an automobile, a pivotal connection between the arms of the frames comprising an axle directed through the arms of both thereof and upon which certain of the supporting wheels of the first named frame are mounted and a pair of angle iron brackets secured to the arms of said second frame adjacent to but spaced from the bridge member.

1,640,294. ALARM SYSTEM. WORTLEY H. PRICE and HAMILTON G. BLUMBERG, San Antonio, Tex. Filed July 9, 1926. Serial No. 121,427. 10 Claims. (Cl. 179—5.)



1. An alarm system for use with a telephone system comprising spring actuated means for raising the receiver supporting lever of a telephone, trigger means for holding the spring means in inoperative position, an alarm including a bell and its hammer, means actuated by the hammer for relasing the trigger means to throw the spring actuated means into operation, a circuit for the alarm and a circuit closer in the circuit.

1,640,295. CENTER FINDER FOR SHAFTS. AUGUST RABER, Evansville, Ind. Filed Sept. 14, 1926. Serial No. 135,373. 1 Claim. (Cl. 33—191.)



The herein described center finder for shafts, comprising elongated converging members which are angular in cross-sectional shape and unobstructed on their lower faces, a base member connecting said converging members, a rule having an unbroken straight edge, said rule being pivoted to the converging members with its straight edge substantially bisecting the angle defined by the converging members, and a laterally adjustable connection between the end of said rule and the base member, said converging members being of such length that their connecting base member will be located beyond the shaft end whose center is being found, to thereby prevent the base member from overlying the shaft end and interfering with the striking of intersecting lines by the use of said unbroken straight edge of the rule.

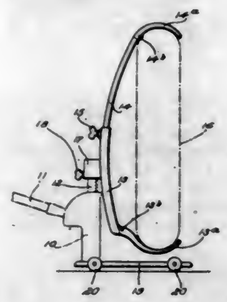
1,640,296. AUTOMOBILE HEADLIGHT WRENCH. JOHN R. RHOADS, Boyertown, Pa. Filed Nov. 1, 1924. Serial No. 747,285. 1 Claim. (Cl. 81—64.)



A device of the class described comprising a pair of semi-circular band members, each one of said members having one of its ends folded upon itself to form a hinge

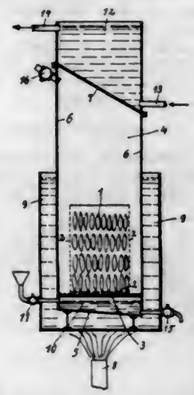
barrel, a separately formed hinge barrel operatively fastened to each one of the semi-circular members adjacent the free ends thereof, one of said hinge barrels having a U-shaped slot, a pair of operating levers, one end of one lever being flattened to fit in said U-shaped slots, said flattened end being provided with a pair of apertures for pivotally connecting said levers to said hinge barrels.

1,640,297. WHEEL OR TIRE HANDLING APPARATUS. FLORENCE ROGERS, Lakewood, N. J. Filed Mar. 8, 1926, Serial No. 93,313, and in Germany Sept. 28, 1925. 2 Claims. (Cl. 214—1.)



1. The combination with a base plate and a jack mounted adjacent one end of the base plate of tire engaging devices including a pair of telescoping arms adapted to be locked in various positions of relative adjustment, a pair of curved tire embracing extensions at the ends of the arms and means carried by one arm detachably engageable with the lifting element of the jack, said means including a sleeve adapted to receive the lifting element and a clamping screw carried by the sleeve.

1,640,298. TOBACCO DENICOTINING PROCESS AND APPARATUS. JOHANNES SARTIG, Berlin-Zehlendorf, Germany. Filed Apr. 30, 1926, Serial No. 105,862, and in Germany Mar. 3, 1926. 3 Claims. (Cl. 131—6.)



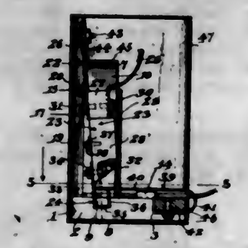
3. A denicotining apparatus comprising a closed receptacle adapted to receive in its bottom end a denicotining liquid, a support arranged above the bottom wall and adapted to receive the material to be denicotined so as to avoid its contact with the denicotining liquid, means permitting to heat the said liquid and the material to be denicotined to a temperature below 100° C. an inclined top wall on the said receptacle adapted to act as a vapor condensing and condensate deflecting surface and constituting means for returning such condensate to the denicotining liquid at the exclusion of any contact of the condensate with the material to be denicotined, and means for cooling the said top wall.

1,640,299. ANTIGLARE DEVICE. CLAUDE R. SNYDER, Elmira, N. Y. Filed June 28, 1924. Serial No. 723,035. 1 Claim. (Cl. 296—97.)



An anti-glare device for automotive vehicles adapted to be positioned between the driver's eyes and the source of glare comprising a disk of transparent material containing large irregular shaped and spaced spots of varying density of color.

1,640,300. THERMOSTATIC SAFETY SWITCH OR CUT-OUT. PETER STRUCHOLD, St. Louis, Mo. Filed Sept. 14, 1926. Serial No. 135,343. 10 Claims. (Cl. 200—138.)

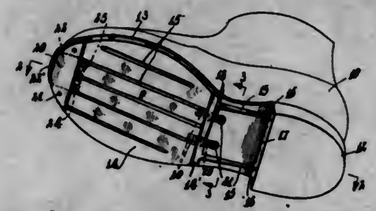


1. A thermostatic safety switch for electrical motors comprising a pair of contacts adapted to be positioned in the motor circuit, said contacts arranged in spaced relation, a resiliently suspended circuit breaker positioned rearwardly of and having circuit closing means normally clear of said contacts and adapted when the breaker is shifted forwardly to abut said contacts to close the motor circuit, and a thermostatic controlling element for engagement with the lower end of said breaker when shifted forwardly to hold it in engagement with said contacts thereby providing for the closing of the motor circuit, said element on the expansion thereof automatically shifting clear of the breaker to release the same whereby the latter will automatically move rearwardly to open the motor circuit.

1,640,301. EXCHANGEABLE SOLE FOR SHOES. ALBERTO TORCHIA, Brooklyn, N. Y. Filed Nov. 30, 1926. Serial No. 151,618. 2 Claims. (Cl. 36—15.)

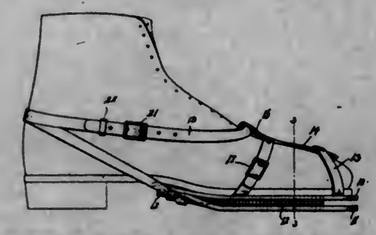
1. The combination with a shoe having an inner sole and a heel, of an outer sole covering the inner sole, a rear element extending across the rear edge of the outer sole, means for hingedly connecting the rear element to the heel, lugs projecting from the rear element, the lugs being provided with axial apertures, engaging members with enlarged knurled heads, slidably engaged through the said axial apertures, and the ends of the engaging members remote from the enlarged heads, being

forced into the rear edge of the outer sole, a retaining plate attached to the inner sole at the forward end thereof, the said retaining plate being provided with an



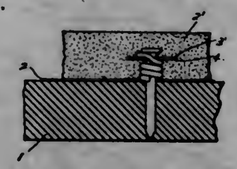
elongated aperture, and an engaging plate slidably arranged in the said elongated aperture, and having one end forced into the front edge of the outer sole.

1,640,302. SHOE ATTACHMENT. CHARLES VAN TASSELL, Los Angeles, Calif. Filed July 10, 1924. Serial No. 725,229. 1 Claim. (Cl. 36—63.)



In a shoe attachment, spaced inner and outer soles, transversely spaced individual elastic tubes secured between and disposed longitudinally of the soles, with the inner ends of said members located adjacent the arch of the shoe and their outer ends terminating short of the outer edge of the toe and means to secure the attachment in position.

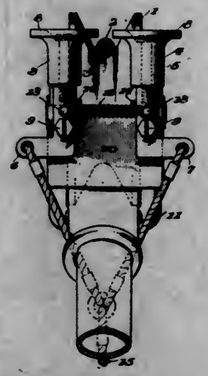
1,640,303. WALL CONSTRUCTION. GEORGE F. VOIGHT, Oakland, Calif., assignor to Economy Products Corporation, a Corporation of California. Filed Dec. 9, 1922. Serial No. 605,871. 5 Claims. (Cl. 72—120.)



1. In means of the character described, a grille bracket comprising, a nail element having a head at its upper end, and a spacing element formed of a length of wire wrapped around said nail element and having an extension at its upper end, said spacing element adapted to coact with said head for holding a grille wire on said spacing element between said extension and said nail element.

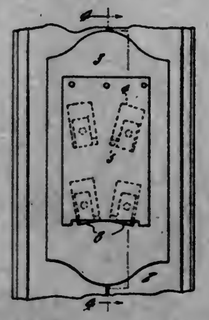
1,640,304. TROLLEY-WHEEL RETAINER. HERBERT G. WINTER, Pittsburgh, Pa. Filed Aug. 31, 1926. Serial No. 132,834. 1 Claim. (Cl. 191—80.)

In a trolley wheel retainer, the combination with a wheel fork and wheel, of a block mounted on the fork, a pair of bell crank levers pivoted on the block including vertical arms and horizontal arms, flanged rollers journaled on the upper ends of the vertical arms, a relatively heavy contractile spring connecting said arms and retaining the flanges of the rollers in operative position to engage a trolley wire and prevent accidental disengagement of the wheel from the wire, the block including stop means against which the vertical arms are held by the spring, the horizontal arms of the bell cranks ex-



tending laterally beyond the block and being formed with means engageable with an operating rope, a trolley pole rope including branches engaged with said horizontal arms and acting through the arms to spread the rollers against the action of the spring and to transmit a downward pull to the trolley wheel through the intermediacy of the spring when it is desired to disengage the wheel.

1,640,305. TIRE RIM. BENJAMIN J. ZOBEL, Buffalo, N. Y. Filed Apr. 20, 1925, Serial No. 24,541. Renewed June 8, 1927. 4 Claims. (Cl. 301—35.)

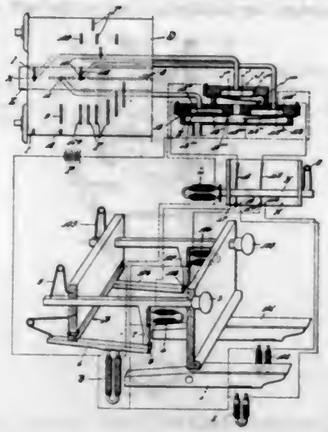


2. A rim of the class described comprising two sections, inclinedly arranged lugs on the inner faces of the sections, locking plates having inclinedly arranged openings for receiving the lugs, said plates when moved forwardly acting upon the lugs to draw the sections together and means for locking the plates against movement, such locking means consisting of a spring on each plate and projections on some of the lugs for engaging the ends of the spring.

1,640,306. ORGAN ACTION. JOHN T. AUSTIN, Hartford, Conn., assignor to The Austin Organ Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 3, 1925. Serial No. 6,512. 19 Claims. (Cl. 84—88.)

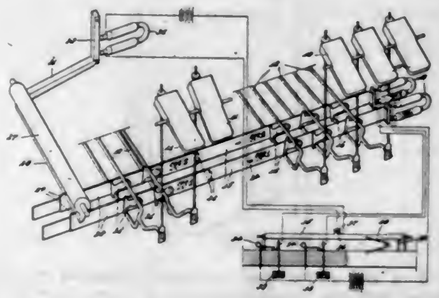
10. In an automatic musical instrument, a tracker bar having a plurality of note playing ducts and a master duct, a plurality of key actions respectively and normally

operatively connected with said note playing ducts, a plurality of stop actions adapted to be respectively and operatively connected with said note playing ducts, and



means controlled by said master duct for temporarily and operatively connecting all of the stop actions with their respective note playing ducts.

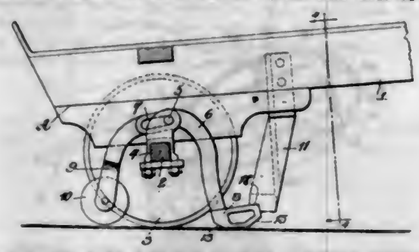
1,640,307. ORGAN STOP ACTION. JOHN T. AUSTIN, Hartford, Conn., assignor to The Austin Organ Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 3, 1925. Serial No. 6,513. 15 Claims. (Cl. 84—345.)



2. In a musical instrument, a set of stop action operating devices, a trace associated therewith, a second set of stop action operating devices, a trace associated with said second set, and a manipulative device associated with both of said traces and having two positions of operation in one of which one of said traces is moved and in the other of which the other trace is moved.

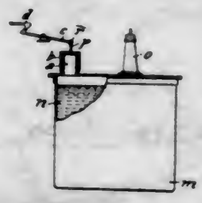
1,640,308. AUTOMATIC STEVEDORE-TRUCK BRAKE. ALLEN J. BECKER, Upper Montclair, N. J. Filed Jan. 26, 1927. Serial No. 163,742. 11 Claims. (Cl. 188—22.)

6. In combination with a stevedore truck, of a pair of shackles secured to the axle of the truck, pins supported by said shackles, brake bars having slots intermediate their ends receiving the pins, brake shoes at the forward ends of the bars, rollers at the rear ends of the



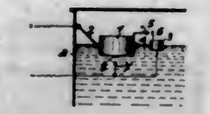
bars, and legs fixed to the truck and adapted to engage the shoes when the forward portion of the truck is in its lowest position.

1,640,309. PROTECTIVE SYSTEM FOR ELECTRIC APPARATUS. MAX BUCHHOLZ, Cassel, Germany. Filed Apr. 16, 1925, Serial No. 23,677, and in Germany Feb. 5, 1923. 5 Claims. (Cl. 175—361.)



1. Protective system for insulated electric apparatus comprising a container and a supply of an insulating medium which is not volatile under normal conditions, surrounding the apparatus to be protected, a protective means and means adapted to be displaced bodily by the increase of pressure resulting from a decomposition of the insulation due to unnormal working of the apparatus and, when thus displaced, to operate said protective means.

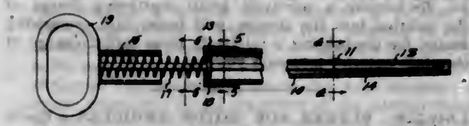
1,640,310. PROTECTING ELECTRIC APPARATUS. MAX BUCHHOLZ, Cassel, Germany. Filed Apr. 16, 1925, Serial No. 23,682, and in Germany Feb. 5, 1923. 2 Claims. (Cl. 175—361.)



1. Protective system for liquid insulated electric apparatus comprising a vessel containing liquid surrounding the apparatus, a protective circuit including a float system comprising a float and a contact adapted to cooperate with said float in varying the operative conditions of said circuit, said float being held in inoperative condition by the liquid and being arranged to become operative both at a lowering of the liquid level and at a sudden movement of the liquid.

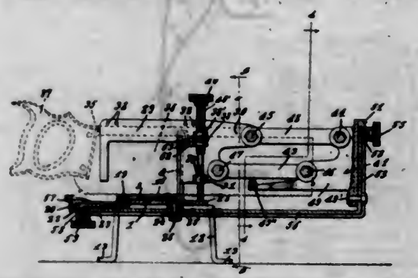
1,640,311. SURGICAL INSTRUMENT. WILLARD C. DAWES, Bozeman, Mont. Filed Jan. 13, 1925. Serial No. 2,225. 2 Claims. (Cl. 128—329.)

1. A surgical instrument comprising in combination, a rod tapered to a fine point at one extremity, a tapered casing enclosing the greater portion of the rod and normally the pointed extremity thereof, a cap mounted upon one extremity of the casing, a spring member mounted upon the rod at the end opposite the pointed extremity and adapted to normally force the pointed extremity to a position within the casing, a sleeve member secured



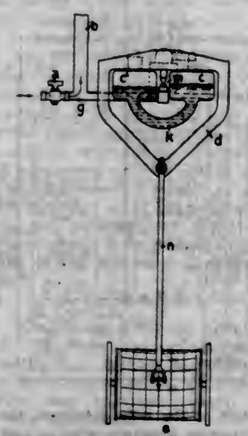
to the same extremity of the rod adapted to enclose a portion of the spring, and a handle secured to the sleeve adapted to permit operation of the rod through the casing.

1,640,312. MITER BOX. MOSES S. DEARBORN, Oakland, Calif. Filed July 17, 1926. Serial No. 123,139. 4 Claims. (Cl. 143—88.)



1. In a miter box, a table provided at its rear with a pair of lengthwise opposed, spaced upright supports having oppositely extending inclined inner ends, a pair of lengthwise opposed, spaced independently adjustable, vertically disposed, shiftable members positioned against the front and overhanging the top of said supports and providing means to permit a combined saw guide and carrier element to tilt from a vertical plane and for supporting said element in tilted position, and means carried at the rear of the overhanging part of each of said members for fixedly securing the member in set position.

1,640,313. DEVICE FOR INDICATING AND RECORDING THE SPECIFIC GRAVITY OF GASES. OTTO DOMMER, Karlsruhe, Germany. Filed Feb. 5, 1925, Serial No. 7,186, and in Germany Nov. 10, 1923. 5 Claims. (Cl. 265—44.)



1. A device for indicating the specific gravity of gases, comprising a container with communicating

spaces, a liquid piston placed in said container and having normally liquid levels of even height in said spaces, means associated with each level and adapted to let a column of gas rest upon each of said liquid levels, a pivotal support for said container permitting a rotary motion thereof and indicating means adapted to indicate the displacement of the latter which is due to the weight of the columns of gases resting upon one of said liquid levels.

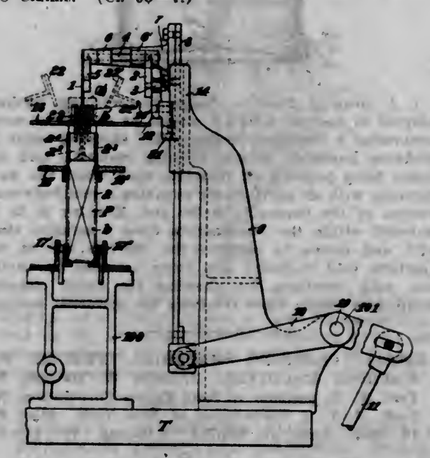
1,640,314. PROCESS OF MANUFACTURE OF ALKALI-METAL SULPHIDES. HORACE FREEMAN, Vancouver, British Columbia, Canada, assignor of one-half to Canada Carbide Company, Limited, Montreal, Canada. Filed Feb. 14, 1923. Serial No. 619,030. 21 Claims. (Cl. 23—137.)

6. The product which comprises sodium sulphide fused and associated with a sulphide of another alkali metal.

1,640,315. PROCESS OF MANUFACTURE OF ALKALI-METAL SULPHIDES. HORACE FREEMAN, Shawinigan Falls, Quebec, Canada, assignor of one-half to Canada Carbide Company, Limited, Montreal, Canada. Original application filed Feb. 14, 1923, Serial No. 619,030. Divided and this application filed June 30, 1924. Serial No. 723,135. 15 Claims. (Cl. 23—137.)

9. The product which comprises sodium sulphide fused with a sulphide of another metal which sulphide is insoluble in aqueous solutions of sodium sulphide, the sodium sulphide content of the product being upwards of 50%.

1,640,316. CLOSING BAGS. PAUL GANGLER, Esslingen, Germany, assignor to Firm: Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Canstatt, Germany. Original application filed Oct. 6, 1923, Serial No. 666,986, and in Germany Oct. 12, 1922. Divided and this application filed June 30, 1925. Serial No. 40,611. 8 Claims. (Cl. 93—7.)

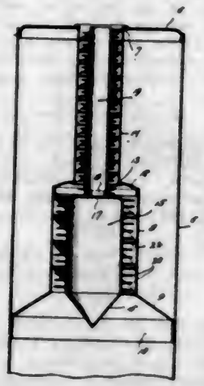


1. In a machine for closing a filled bag, a plurality of folding members arranged one above the other on either side of the empty portion of the bag, and means for successively advancing said folding members toward said empty portion so as to overlap each other and to cause said folding members to fold said empty portion in zigzag fashion.

1,640,317. STEAM BOILER. CLARENCE H. HAAS and LEWIS J. MITCHELL, Warren, Ohio. Filed Mar. 4, 1927. Serial No. 172,759. 5 Claims. (Cl. 110—97.)

1. A boiler of the class described including, in combination, a fire-box, a flue pipe extending from the fire-

box, a tube within the pipe, a drum within the fire-box, means about the drum and about the tube for causing the products of combustion to rise in a spiral path,



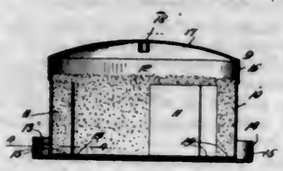
said means comprising a spirally arranged fin, and a plurality of ribs between the fins, said ribs being circumferentially disposed about the drum and tube.

1,640,318. CLEANING MATERIAL FEEDER FOR WASHING MACHINES OF THE SPRAY TYPE. NORMAN W. HALSEY, New York, N. Y., assignor to Soap Feeder Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 14, 1922. Serial No. 606,770. 8 Claims. (Cl. 141—9.)



1. A cleaning material feeder for washing machines adapted to operate within a stream or shower of water, comprising a container having water shedding walls for confining powdered soluble cleaning material, said container being provided on that side upon which the water impinges with an aperture for receiving a relatively small portion of the impinging water and directing it to the material within the container to form a solution therewith and means to regulate the effective size of said aperture, said container also being provided on another side with apertures for allowing the liquid cleansing solution to escape while retaining the powdered material.

1,640,319. CLEANING MATERIAL FEEDER FOR WASHING MACHINES. NORMAN W. HALSEY, New York, N. Y., assignor to Soap Feeder Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 19, 1924. Serial No. 693,791. 6 Claims. (Cl. 141—9.)



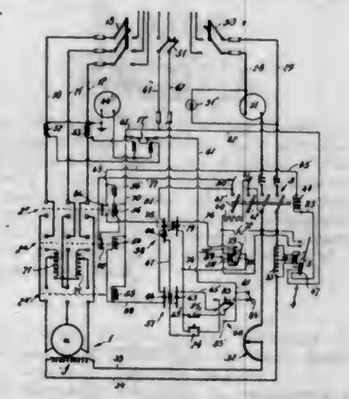
1. A cleaning material feeder for washing machines adapted to operate within a stream or shower of water, comprising a container having water shedding walls for confining powdered soluble cleaning material, said container comprising means for feeding a portion of the water from the stream to the powdered cleaning material therein to form a solution therewith, and means for discharging a relatively small continuing charge of the solution into the stream, said feeder also comprising means for discharging a relatively large initial charge of cleaning material into said stream.

1,640,320. BUFFER FOR MOTOR VEHICLES. FRANZ HANEL, Berlin, Germany, assignor to Frita Konig & Co. Gesellschaft mit beschränkter Haftung, Magdeburg, Germany. Filed Jan. 21, 1927, Serial No. 162,550, and in Germany Dec. 2, 1926. 1 Claim. (Cl. 293—53.)



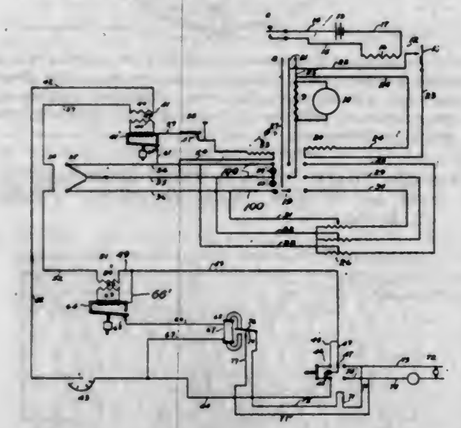
A buffer for motor vehicles of the character described, comprising two nested laminated leaf springs, the outer spring having elliptically curved breast and side portions and parallel ends for connection to the vehicle, the inner spring being bow-shaped and adapted to support the outer spring at the sides and in the center of the breast portions, the ends of the inner spring being looped back upon themselves and supported on the main spring body, and roller clamps holding the spring elements together at each supporting point so as to allow slidable relative displacement, substantially as and for the purpose set forth.

1,640,321. STARTING SYSTEM FOR SYNCHRONOUS MOTORS. CHARLES TRUMAN HIBBARD, Minneapolis, Minn., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn., a Corporation of Minnesota. Filed July 19, 1924. Serial No. 726,028. 11 Claims. (Cl. 172—289.)



5. In a system of the type described, the combination of a motor having an armature winding and a field winding, an electromagnetic switch for applying reduced voltage to the armature winding, an electromagnetic switch for applying full voltage to the armature winding, automatically operating means for actuating said low voltage switch to apply reduced voltage to the armature winding, a control relay adapted to actuate said full voltage switch, a frequency relay adapted to supply current to said control relay, a resistance element normally connected in series with the field winding until the excitation current is supplied to the field winding; and means responsive to the frequency of the current induced in the motor field winding for connecting the said relay across said resistance element.

1,640,322. METHOD AND MEANS FOR STARTING SYNCHRONOUS MOTORS. CHARLES TRUMAN HIBBARD, Minneapolis, Minn., assignor, by mesne assignments, to Electric Machinery Mfg. Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Jan. 17, 1920. Serial No. 352,159. 49 Claims. (Cl. 171—118.)



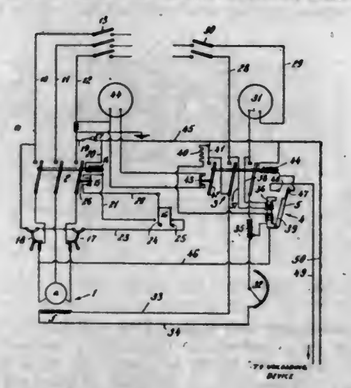
19. The starting system for synchronous motors, comprising the combination with a motor of means including a switch for applying reduced voltage to the armature and means normally connected to the main field winding at all times and exclusively responsive to the induced current in the main field winding for automatically applying full voltage to the armature after the motor has attained a predetermined speed.

35. In a motor starter, the combination with a synchronous motor having a field magnet winding, and starting and running connections for said motor, of a switch controlled in accordance with the value of the current traversing said winding for controlling the circuit of said winding, a switch for effecting the transfer from starting connections to running connections and a relay having an actuating coil in circuit with said winding for controlling the second named switch.

44. The method of starting a synchronous motor comprising the application of low voltage to the motor and thereafter applying the full voltage of the supply circuit to the motor at a time when the frequency of the induced field current is a predetermined value and applying the field excitation current to the field winding at a time when the frequency of the induced field current is a predetermined value.

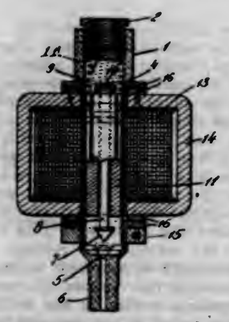
1,640,323. STARTING SYSTEM FOR SYNCHRONOUS MOTORS. CHARLES TRUMAN HIBBARD, Minneapolis, Minn., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 15, 1923. Serial No. 639,036. 3 Claims. (Cl. 172—289.)

1. In a system of the type described, the combination with a motor having a field winding, of a source of excitation for the field winding, a switch for supplying excitation current to the field winding of the motor, a polarised frequency relay for operating said switch, an ammeter for measuring the current supplied to the motor armature, and a resistance connected into the field circuit



of the motor, said switch having an arm arranged to short circuit said ammeter when said switch is open and to open the circuit of the resistance in the field circuit when said switch is closed.

1,640,324. ELECTRICALLY-OPERATED VALVE. CHARLES TRUMAN HIBBARD, Minneapolis, Minn., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 14, 1924. Serial No. 699,171. 15 Claims. (Cl. 137—139.)

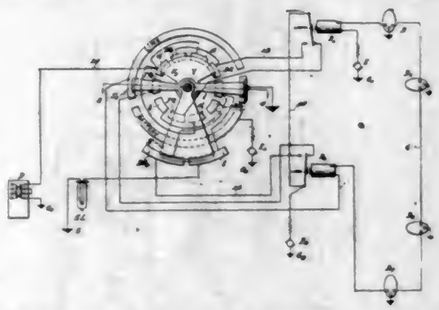


1. A device of the type described, comprising the combination of an electric motor, a valve for controlling the load on the motor, and means responsive to an electric current induced in the field winding of the motor for actuating said valve.

1,640,325. MESSENGER-CALL CIRCUITS AND SWITCHING APPARATUS THEREFOR. GEORGE W. JANSON, Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Sept. 26, 1925. Serial No. 58,911. 4 Claims. (Cl. 177—367.)

1. In a signaling system having outgoing and return lines forming a closed circuit containing a plurality of signal transmitting devices having contact mechanism for controlling the circuit and also for connecting it to ground, a current source having one terminal normally connected to ground and the other terminal connected to one side of said circuit, relays including in opposite sides of said circuit, signaling devices controlled respectively by said relays, and a unitary switch device having a plurality of segments connected to the front and back

contacts of said relays, to the grounded end of the line and to said signaling devices, and provided with a rotary shaft and blades movable thereby to different positions



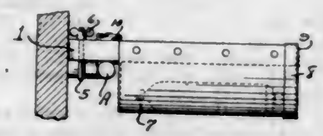
to interconnect said segments in a manner to cause the signals from said signal transmitting devices to be received, when the line is in normal condition or is open, or open and grounded, or grounded, or grounded and open.

1,640,326. STANDING BOARD. CARL VICTOR JONASSON and HARRY JOHN BOAL, Portland, Oreg. Filed Nov. 22, 1922. Serial No. 602,555. 1 Claim. (Cl. 248—41.)



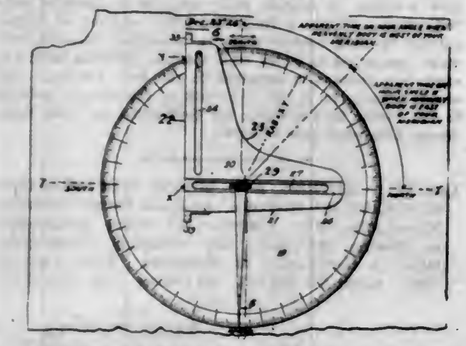
As a new article of manufacture, a standing board adapted to be supported on a floor comprising a board of an area large enough to permit a person standing thereon to walk in various directions thereon and formed with recesses on its under face at the corners thereof, a plurality of foot members, each formed with a recess in its upper face, said foot members being adapted to rest loosely on a floor, and springs each having its ends in a recess of the board and in a recess of a foot member, the diameter of the recesses being such with respect to the size of the springs that the springs will engage the walls of the recesses and be securely held therein by the expansion of the springs, the recesses being of such a diameter and depth with respect to the springs that the latter are held in the recesses by friction, said springs and foot members serving as legs for the board adapted to be readily applied to and removed from the board and when removed to be disconnected from each other.

1,640,327. TUBE-REPAIRING ATTACHMENT FOR AUTOMOBILES. ELLIS R. JUSTICE, Charlotte, N. C. Filed Mar. 22, 1927. Serial No. 177,352. 5 Claims. (Cl. 152—27.)



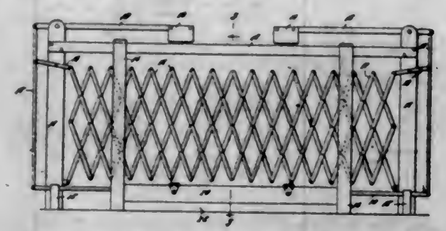
3. A device of the class described comprising a shelf forming member, means for detachably connecting said member with a door handle or other part of an automobile, a casing connected with said member and a cover for the casing having a roughened part for use in buffing a tube and a rounded flange for use in rolling a patch on a tube.

1,640,328. NAUTICAL INSTRUMENT. GEORGE KOVARSKY, New Orleans, La. Filed Jan. 8, 1924. Serial No. 685,031. 8 Claims. (Cl. 33—75.)



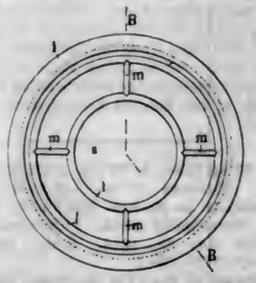
1. A nautical instrument comprising in combination, a board, a substantially triangular member, means for pivotally and slidably mounting said triangular member on the surface of said board, and a pointer pivotally carried by said means.

1,640,329. GATE. RUDOLPH KYPES, Locust Ridge, La. Filed Apr. 19, 1926. Serial No. 103,120. 1 Claim. (Cl. 30—50.)



A gate structure comprising pivotally mounted lazy tong gates, posts, rock levers mounted upon the posts and connected with the lazy tong gates, an operating beam extending longitudinally of the gates, inclines leading to and hingedly mounted upon the operating beam, shafts connecting the free ends of the beam and rock shafts, and weight bars eccentrically mounted upon the upper ends of the posts and connected with the shafts to facilitate an automatic closing mechanism for the gates subsequent to the passing of the vehicle therethrough.

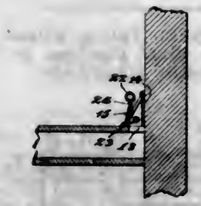
1,640,330. DIAPHRAGM FOR TELEPHONIC APPARATUS. GEORGES LAKHOVSKY, Paris, France. Filed June 5, 1924, Serial No. 718,127, and in France June 14, 1923. 3 Claims. (Cl. 181—32.)



1. A diaphragm for sound sending and receiving apparatus formed of two thin discs provided with registering

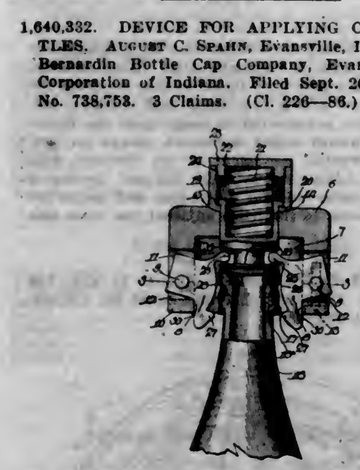
grooves, and a layer of viscous material interposed between the discs whereby the diaphragm is absolutely without tone.

1,640,331. HEATING AND VENTILATING DEVICE. SAMUEL R. LEWIS, Chicago, Ill. Filed Aug. 20, 1925. Serial No. 51,432. 6 Claims. (Cl. 257—135.)



1. A heating device comprising a grille having a rear wall, a front wall inclined towards the rear wall and of less height than the rear wall, end walls connecting the front and rear walls, the upper and lower ends of the grille being open, bars connecting the upper edges of the front wall with the rear wall, and inclined at an angle to the horizontal, a supply pipe carrying a heating medium, means for securing the supply pipe to the upper edge of the front wall, and a return pipe for the heating medium disposed between the front and rear walls of the grille.

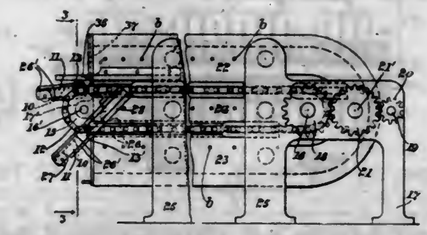
1,640,332. DEVICE FOR APPLYING CAPS TO BOTTLES. AUGUST C. SPAHN, Evansville, Ind., assignor to Bernardin Bottle Cap Company, Evansville, Ind., a Corporation of Indiana. Filed Sept. 20, 1924. Serial No. 738,753. 3 Claims. (Cl. 226—86.)



1. In a device for applying closure caps to bottles, the combination of a head provided with a chamber therein, a series of cap bending members pivoted in the head and provided with arms and bending fingers, and a plunger movable in the head and adapted to be engaged by the bottle cap and to which the arms are operatively connected, said members being provided at their inner margins with curved guide-surfaces for the bottle and cap which extend between the arms and the fingers and are disposed beneath the plunger.

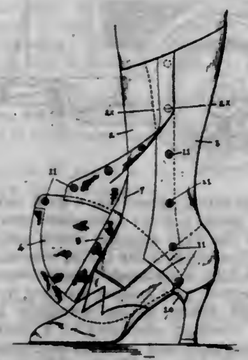
1,640,333. BAKER'S OVEN. CAMPBELL BROWN, Belfast, Ireland. Filed Aug. 31, 1926, Serial No. 132,810, and in Great Britain Aug. 4, 1925. 12 Claims. (Cl. 107—57.)

6. A baker's oven comprising a casing including slotted side walls formed to provide guideways, carrying members adapted for travel in a circuitous path in the oven, blocks co-operating with the guideways and connected to the carrying members to guide the latter in their movement through the oven, chains operating longitudinally of and immediately beyond the oven, each of said blocks being pivotally connected at one end to the chains, means arranged at one end of the oven for maintaining the carrying members in their horizontal position in movement from one portion of the circuitous path to another, the



path of travel of the chains being extended beyond the opposite end of the oven to thereby move the blocks free of the guideways to permit said blocks and thereby the carrying members to be inclined to discharge the material on the carrying members, and means for thereafter restoring the carrying members to their horizontal positions.

1,640,334. SHOE AND STOCKING PROTECTOR. FLORA A. COLBURN, Rochester, N. Y. Filed Oct. 26, 1926. Serial No. 144,362. 1 Claim. (Cl. 36—2.)



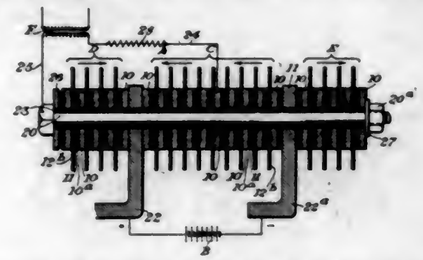
A shoe and stocking protector comprising a wide vertical section, a pair of narrow vertical sections fastened to said wide section one at each side thereof, an end section attached jointly to the bottom of said wide section and the first of said narrow sections, a strap permanently connecting the lower end of said wide section and the lower end of the second of said narrow sections to form a fixed opening between said strap and the lower edges of said wide section and said second narrow section, fastening means adapted to fasten said pair of vertical narrow sections together on a vertical line between said strap on one side and said end section on the other side, with said strap snugly embracing the top of the heel of a shoe over which said protector is placed to hold it firmly in place thereon.

1,640,335. UNIDIRECTIONAL CURRENT-CARRYING DEVICE. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 7, 1925. Serial No. 1,111. 21 Claims. (Cl. 175—363.)

1. In combination, copper having cuprous oxide formed thereon, said combination constituting in and of itself a uni-directional current carrying device.

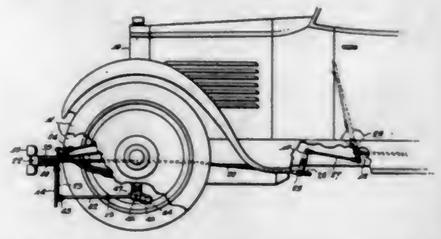
15. In a rectifying device, two dissimilar, bi-laterally conducting bodies integrally and permanently joined to

each other over an extended area, the junction between said two bodies constituting a uni-directional current valve permitting substantially free electron flow only in one



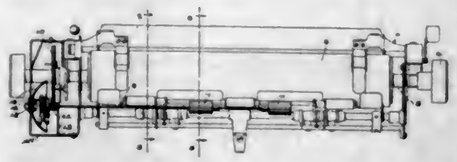
direction thereacross under substantial absence of electrolytic or chemical changes in the portions of the two bodies adjacent to said junction.

1,640,336. SAFETY APPARATUS FOR VEHICLES. JOSEPH EDWARD JUFE, New York, N. Y., assignor to Fannie Jufe, New York, N. Y. Filed Feb. 11, 1926. Serial No. 87,558. 3 Claims. (Cl. 180—83.)



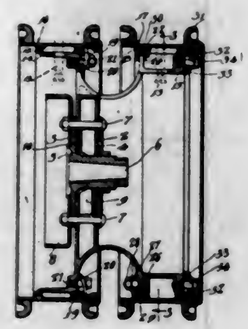
1. In a vehicle safety apparatus, a fixed support in the form of a rigid plate, a front road wheel guard substantially similar to the fixed support, means associating the guard with the fixed support for sliding movement in overlapping relationship, a bumper, means supporting the bumper for movement, said bumper disposed in advance of said support and guard, means releasably holding the guard normally elevated consisting of a flexible portion embodied by said guard, and a lug on said flexible portion engageable in and disengageable from an opening in the fixed support; levers arranged respectively between portions on the bumper and an extension on said flexible portion, means acting on the levers and bumper holding the levers ready for operation and the bumper in a position from which it may move rearwardly to cause the levers to flex said flexible portion to disengage said lug to release said guard to drop to a guarding position.

1,640,337. AUTOMATIC LINE INDICATOR FOR TYPEWRITERS. GREYDON N. ALWORTH, South Milwaukee, Wis. Filed Oct. 7, 1926. Serial No. 140,171. 9 Claims. (Cl. 197—141.)



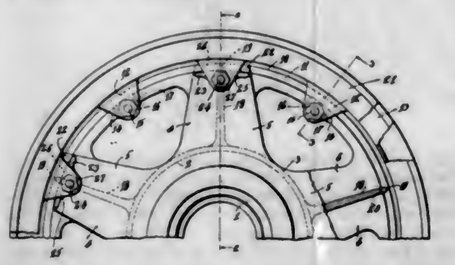
1. The combination with a typewriter carriage having paper feeding and holding means including a rotatable platen, of a shaft extending along and adjacent the platen, a roller fixed to the shaft and having teeth designed to engage and hold the lower edge of the paper, gearing for driving the shaft from and at a greater rate of speed than the platen, said gearing including normally interengaged elements automatically disengaged when the lower edge of the paper is caught, a signal, and means for actuating the signal when said elements are disengaged.

1,640,338. DUAL-TIRED TRUCK WHEEL. LLOYD D. KAY, Los Angeles, Calif. Filed Aug. 19, 1925. Serial No. 51,149. 4 Claims. (Cl. 301—36.)



1. In a truck wheel, the combination of a wheel-body having a felloe with a circumferential felloe member, a rim-seat having a groove on its inner face receiving the felloe member and fitting the same, said rim-seat consisting of sections constructed to come upon the felloe-member by an inward radial movement, means for preventing circumferential movement of the rim-seat with respect to the felloe-member, said rim-seat having a seat-face on its outer side for a tire-rim, and means for securing the tire-rim to the felloe adjacent the outer side of the wheel.

1,640,339. DUAL-TIRED WHEEL. LLOYD D. KAY, Los Angeles, Calif. Filed Sept. 1, 1926. Serial No. 133,059. 4 Claims. (Cl. 301—36.)



1. A dual-tired truck wheel having a hub portion with a plurality of spokes projecting outwardly therefrom, each of said spokes having an inboard wall near the inboard side of the wheel and an outboard wall near the outboard side of the wheel, said wheel having a circumferential rim-portion connecting the spokes and integral with the said inboard wall, said rim-portion having an inclined outer face operating as a seat for the inboard tire rim, said spokes having seats for the outboard tire rim and having transverse webs extending between the inboard and outboard walls of the spokes, operating to support and guide the inboard tire rim when being slid over the wheel onto the said rim-portion.

Patents Nos. 1,640,340 to 1,641,142.

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Patents	803—No.	1,640,340 to No.	1,641,142, inclusive.
Total	1,288		

Adverse Decisions in Interference.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,395,031, C. R. Birdsey, Plaster board, decided July 22, 1927, claims 1 to 4, inclusive.

Pat. 1,440,834, C. W. Logwood, Radiocommunication, decided June 11, 1927, claims 1 to 6, inclusive.

Pat. 1,556,032, H. G. Warr, Rail anchor, decided August 18, 1927, claims 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, and 16.

Final decisions in interference have been rendered against the following trade-marks:

T. M. 220,126, Dressed poultry—namely, fowls, chickens, broilers, cocks, turkeys, ducks, and geese, Josephy-Cook Corp., New York, N. Y. Registered November 2, 1926. Decided August 10, 1927.

T. M. 220,127, Dressed poultry—namely, fowls, chickens, broilers, cocks, turkeys, ducks, and geese, Josephy-Cook Corp., New York, N. Y. Registered November 2, 1926. Decided August 10, 1927.

Trade-Marks—Classification.

(Order No. 3,022.)

U. S. PATENT OFFICE, *Washington, Aug. 19, 1927.*

The classification of merchandise made under the provisions of the act of May 4, 1906, is hereby amended as follows:

The title of Class 48 is changed from "Malt beverages, extracts, and liquors" to *Malt beverages and liquors.*

Where a mark is used on a malt extract, or malt sirup, sold as an ingredient of foods, application for registration thereof should be made in Class 46, Foods and ingredients of foods.

Where a mark is used on a malt extract sold as a medicine, application for registration thereof should be made in Class 6, Chemicals, medicines, and pharmaceutical preparations.

The description of goods in any case must not be inconsistent with the specimens filed.

WM. A. KINNAN,
Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 10, 1927.*

Srinivas Ram Wagel, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Lester Kirschbraun, 100 North Wells Street, Chicago, Ill., and a patent granted August 17, 1926, No. 1,596,218, to Srinivas Ram Wagel, Vanderbilt Hotel, New York, N. Y., and a notice of such declaration sent by registered mail to said Wagel at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Wagel, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, Aug. 12, 1927.*

Original Sample Cloak & Suit Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Lord & Taylor, 424 Fifth Avenue, New York, N. Y., for registration of a trade-mark, and trade-mark registered August 10, 1915, No. 105,697, to Original Sample Cloak & Suit Company, of Lyric Theatre Building, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to said Original Sample Cloak & Suit Company at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Original Sample Cloak & Suit Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN.
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business August 19, 1927.

(Total number of applications awaiting action, excluding Trade-Mark Division, 68,489; Trade-Mark Division, 1,726. Oldest new case, Dec. 17, 1926; oldest amended, Dec. 17, 1926. The dates given are 1927 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
112	1. LORFFLER, F. A., Closure Operators; Fences; Gates; Tillage; Scattering Unloaders	Apr. 25	Apr. 29	710
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Apr. 4	Apr. 11	930
331	3. LINDSEY, A., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 10	Apr. 1	1,642
234	4. MERRITT, A. D., Conveyers; Hoists; Handling Apparatus and Implements, and Pushing and Pulling.	Jan. 21	Feb. 9	1,695
108*	5. MACNAB, J. F., Harvesters: Jewelry; Music; Acoustics; Sound Recording; Knotters	Mar. 12	Mar. 22	1,004
318	6. LEWERS, A. M., Chemistry; Chemistry—Carbon Compounds; Substance Preparation	Jan. 11	Jan. 19	1,644
106	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Mar. 1	Mar. 2	1,394
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Mar. 16	Mar. 30	1,841
221	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	May 13	May 13	815
118	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops	Feb. 18	Feb. 24	1,348
148*	11. ARMSTRONG, H. C., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather Manufactures; Nailing and Stapling; Whip Apparatus; Cutting and Punching Sheets and Bars	Apr. 9	Apr. 5	934
380	12. PIERCE, P. P., Machine Elements	Feb. 11	Mar. 2	1,284
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 1	Mar. 2	1,541
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working; Metal Working, Assembling, and Blanks and Processes.	Feb. 25	Feb. 28	1,355
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Mar. 8	Mar. 9	1,652
242*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Apr. 6	May 2	816
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting	Feb. 11	Mar. 18	766
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 14	Feb. 19	1,002
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	May 11	May 4	1,002
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Apr. 21	Apr. 26	1,016
244*	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Feb. 25	Mar. 22	1,022
217	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 9	Feb. 15	1,089
147*	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 27	Feb. 12	890
314	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 3	Feb. 8	1,038
	25. LIGHTFOOT, J. H., Agitating; Bleaching and Dyeing; Butchering; Classifying Solids; Centrifugal-Bowl Separators; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Mills; Sugar and Starch; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 9	Mar. 5	1,299
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Feb. 4	Feb. 21	1,018
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Apr. 13	Apr. 18	897
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 26	Mar. 28	1,204
160*	29. MORRIS, B. N., Abrading; Button Making; Coopering, Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Feb. 3	Feb. 26	1,201
248	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 14	Apr. 2	1,199
312	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 25	Feb. 17	1,771
349	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 18	Mar. 24	1,250
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	May 4	May 2	1,541
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways, Rolling Stock, Switches, and Signals; Store Service; Vehicle Fenders.	Feb. 8	Feb. 7	1,011
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Apr. 27	Apr. 19	1,130
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	May 9	May 10	1,093
324*	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 18	Mar. 15	1,544
145	38. KRAFFT, C. F., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Apr. 2	Apr. 11	1,141
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 6	Mar. 8	881
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Package and Article Carriers; Receptacles	Feb. 14	Feb. 19	2,305
125	41. BROWN, J. I., Land Vehicles, Wheels, and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 12	Mar. 22	837
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Feb. 9	Feb. 2	1,529
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Apr. 5	Apr. 11	1,133
253	44. SHAFFER, C. H., Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 8	Feb. 9	1,247
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements; Bearings and Guides	Apr. 4	Apr. 13	951
233	46. WOLCOTT, C. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 10	Mar. 10	1,024
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Mar. 17	Mar. 28	1,568
213*	48. ROEPKE, O. B., Electricity, General Applications	Feb. 25	Feb. 25	1,112
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Ventilation; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 21	Feb. 24	1,148
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Mar. 24	Mar. 24	1,710
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission	Jan. 27	Jan. 27	1,544
144	52. MORGAN, E. T., Supports; Chucks; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings.	Apr. 7	Apr. 11	1,208
209	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Apr. 13	Apr. 8	1,277
219	54. LANE, C. H., Electric Lamps; Conductors; Vapor Electric Devices; Space Discharge Tubes	†Dec. 17	†Dec. 17	1,939
102	55. RICHARD, V. I. (Acting)..{Bread, Pastry, and Confection Making; Cutlery	Feb. 4	Feb. 21	706
	{Designs	July 14	July 20	619
163	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	July 20	Aug. 6	1,630
	{Labels and Prints	Aug. 1	Aug. 9	96

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

Ex parte McKay.

Decided July 27, 1927.

1. Application—Prosecution—Alleged Misinterpretation of References—Not New Ground of Rejection.

Where after decision by the Examiners in Chief affirming the Examiner requests for reconsideration were filed including affidavits purporting to show misinterpretation of the references which requests were denied, *Held* no new ground of rejection was given by the Examiners in Chief and the record constitutes no ground for remanding the application to the Examiner for further prosecution.

2. Same—Same—Affirmance of Rejection by Examiners in Chief—Remedy by Appeal.

Where claims have been repeatedly considered and applicant has had ample opportunity to present and have considered such claims as he desired, his remedy, after affirmance of the rejection by appellate tribunal, is by such appeal as provided by statute.

On petition.

External medicine for pneumonia, etc.

Mr. Victor J. Evans for the applicant.

Kinnan, *Acting Commissioner:*

Applicant petitions that the above entitled case be remanded to the Primary Examiner for further consideration under rule 139.

The records show that this case was finally rejected and an appeal taken to the Examiners in Chief, who rendered a decision affirming the action of the Examiner. The attorney then filed three successive persistent requests for reconsideration, raising various technical objections. The Examiners in Chief gave consideration to these requests and entered successive decisions.

The Examiners in Chief relied upon the references cited by the Examiner and no others. The Examiners in Chief agreed with the Examiner that the claims are not patentable over these references. Applicant thereafter filed certain affidavits which purported to establish that the Examiners in Chief misinterpreted the references. That, however, is not a new ground of rejection, nor does it warrant remanding the case to the Primary Examiner under rule 139. If applicant is of the opinion that the Examiners in Chief did not properly construe the references, his remedy is not by petition to remand, or by affidavits, but by appeal.

A mere reading of the decision of the Examiners in Chief is convincing that no case is presented here that would call for remanding the case to the Primary Examiner for further consideration. The great amount of work before this Office justifies and necessitates the holding that where claims of an application have been repeatedly considered by such tribunals of this Office as have been properly required to review them, and applicant has had ample opportunity to present and have considered any and all claims he desired, and such tribunals have been unable to find merit in the claims presented to them the proper procedure is not a remanding of the case to the Examiner or any other tribunal that has already considered it for a further review, but is by way of appeal as provided by statute.

The petition is denied.

Ex parte Parks and Miller.

Decided August 17, 1927.

"Renewal" Application—Fee.

The fee for filing a "renewal" application is the same as that for filing an "original" application, namely, under the recent amendment to the statute, $20 plus $1 for each claim in excess of 20.

On petition.

Messrs. Barnett & Truman for the applicants.

Kinnan, *Acting Commissioner:*

This is a petition from the requirement for an additional fee in a "renewal" application having more than 20 claims.

This application was allowed on October 23, 1926, and, as allowed, contained 43 claims. On July 28, 1927, the applicants, through their attorneys, filed a petition for renewal, accompanied by an amendment increasing the number of claims to 54 and a fee of $20. Applicants were notified by the Office that this renewal could not be given a filing date until an additional fee of $34—i. e., $1 for each claim in excess of 20, was paid.

It is contended that there is no authority for charging this additional fee, and it is requested that the application be accepted with the fee of $20.

In support of this argument it is contended that the recent amendment to section 4934, Revised Statutes, contained in the act of February 14, 1927, makes no reference to a fee for renewal applications, but provides only that the fee for filing "each *orginal* application for a patent, except in design cases," shall be "$20 and $1 for each claim in excess of 20." Reference is made to certain decisions as supporting the contention that a renewal application is not an "original" application.

The act of 1870, section 35, provides that where an application has been allowed, but the fee not paid within six months thereafter anyone who has an interest in the invention, either as an inventor or assignee, "shall have a right to make *an application* for patent for such invention or discovery the same as in the case of an original application." The language was carried forward into section 4897 of the Revised Statutes. Both the act of 1870 and section 4897 contain the further provision that "such *second* application" must be made within two years from the original notice of allowance.

Section 68 of the act of 1870, which was carried forward in section 4894 of the Revised Statutes, makes no reference to renewal applications, but fixed the fee for "filing each original application

for a patent" at $15. This fee was, by subsequent amendments, changed to $20, and then to $20 plus $1 for each claim over 20.

The uniform practice of the Office has always been to require a fee for a renewal application just as for any other application. It may be noted at this point that the statute makes no reference to a renewal application as such, but refers to the right of the party having an interest in the invention to make "an application" the same "as in the case of an original application" and further provides that the "*second* application" shall be made within two years of the notice of allowance. In the edition of the rules effective January 1, 1880, it was specifically provided that a fee will required with a renewal application. Rule 170 of that edition, after providing that the oath, petition, specification, and the drawing of the original application could be used in a renewal application, continued "but a new fee will be required." The recent amendment to the statute makes no change with respect to original applications except to change the amount of the fee.

Applicants admit that some fee is proper and argue that fee is $20 under the statute in force prior to the recent amendment. Obviously if some fee is required for "renewal" applications it is the fee which is required for "original" applications. Certainly the mere fact that Congress amended the law by changing the fee for original applications affords no ground for argument that it was intended either to dispense with all fees on "renewal" applications or to permit them to be filed with the fee which had been required with respect to original applications since the amendment of 1922. It would have been just as logical to have argued, after the fee for original applications was changed from $15 to $20, that a renewal application could be filed for $15.

The proper construction is believed to be that the term "original" in the statute is used only in contradistinction to reissue applications, and that the so-called renewal application is the "application" or the "second application" referred to in section 4897, Revised Statutes, and therefore the filing of such "second" application must necessarily be governed as to its fees by the statute which refers to original applications.

Certainly the long-established practice of this Office, continuing for over 60 years, in interpreting the statutes as to the requirement of fees for renewal applications is not to be set aside merely because Congress has seen fit to increase the filing fee.

In the decisions cited the courts were considering the question of the legal effect of the renewal application in so far as constituting a continuation of the prosecution of the application for patent on the invention of the forfeited application, and they are deemed to furnish no basis for changing the established practice of this Office that the fee for filing a "renewal" application is the same as the fee for filing an "original" application.

The petition is denied.

Court of Appeals of the District of Columbia.

NAAMLOOZE VENNOOTSCHAP LAKVERF & VERNISFABRIEK "IVORMICA" *v.* THE SHERWIN-WILLIAMS COMPANY.

No. 4,871. Decided March 7, 1927.

TRADE MARKS—SIMILARITY—REPRESENTATIONS OF THE GLOBE TO WHICH PAINT IS BEING APPLIED.

Where each of two marks applied to the same class of goods consists of the representation of the globe to which paint is being applied and they differ only in the manner of application of the paint, *Held* that registration was properly refused to the later user since an ocular inspection shows that the marks are deceptively similar.

APPEAL from the Patent Office. Affirmed.

Mr. James T. Newton for Naamlooze Vennootschap Lakverf & Vernisfabriek "Ivormica".

Mr. J. B. Fay for The Sherwin-Williams Co.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from concurrent decisions of the Patent Office tribunals, in a trade-mark opposition proceeding, sustaining the opposition and denying registration to appellant.

Many years prior to the adoption and use of its mark by the applicant, the opposer, The Sherwin-Williams Company, adopted a mark consisting of a terrestial globe and a representation of a tilted paint can discharging its contents over the upper half of the globe. The phrase "Cover The Earth" has been used by the opposer, in connection with its pictorial device. A very large business has been built up by the opposer and the mark has great value.

Applicant's mark is applied to goods of the same class. It also uses a representation of the globe, to which paint is being applied in a manner somewhat different from that employed in the Sherwin-Williams mark, but an ocular inspection of the two marks discloses that they are deceptively similar. The decision therefore is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

THE UNITED STATES, EX REL. SEARL, *v.* ROBERTSON, COMMISSIONER OF PATENTS.

No. 4,561. Decided April 4, 1927.

1. MANDAMUS—WHEN NOT GRANTED.

It is settled law that the writ of mandamus can not be used to perform the office of an appeal or writ of error, or be granted in any case where there is another adequate remedy.

2. SAME—SETTING TIMES FOR REBUTTAL TESTIMONY.

Where the Commissioner affirmed the action of the Examiner of Interferences denying a motion to fix a time to take rebuttal testimony, *Held* that mandamus will not lie to control the action of the Commissioner, since the question can be reviewed if appeal is taken to the Court of Appeals on the question of priority.

APPEAL from the Supreme Court of the District of Columbia. Affirmed.

Mr. H. A. Toulmin, *Mr. H. A. Toulmin, jr.*, and *Mr. Morgan H. Beach* for Searl.

Mr. T. A. Hostetler and *Mr. A. D. Salinger* for Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and GRAHAM, Presiding Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

This is an appeal from a judgment in the Supreme Court of the District denying appellant's petition for a writ of mandamus to compel the Commissioner of Patents to fix a time for the taking of so-called rebuttal testimony in two interference proceedings (Searl against Thomas, No. 49,507, and Iredale against Searl and Lucas, No. 51,762), the case having been heard on the pleadings.

In the above interferences Searl was the junior party. In accordance with rules of the Office, Searl took his testimony in chief, Thomas and Lucas then took their testimony in chief and their rebuttal testimony, thereupon Searl took his rebuttal testimony. Thereafter, Searl moved for leave to introduce "newly discovered" prima facie testimony. The Commissioner, in the exercise of his discretion, directed the lower tribunals to admit this testimony. Thomas and Lucas were given an opportunity to introduce testimony in rebuttal of this additional testimony of Searl. After this rebuttal testimony had been taken, Searl requested an opportunity to take testimony to meet this rebuttal testimony. That request was denied, and this petition for mandamus followed.

It is settled law that the writ of mandamus can not be used to perform the office of an appeal or writ of error, or be granted in any case where there is another adequate remedy. In Moore against United States ex relatione Lindmark, 33 App. D. C. 597, we ruled that mandamus would not lie at the instance of one of the parties to an interference proceeding to compel the Commissioner of Patents to fix a time for the taking of testimony in an interference proceeding. There was an adequate remedy by appeal to this Court. The same situation obtains here. If the decision in the Patent Office on the question of priority is adverse to Searl he has his appeal to this Court, where the very question he attempts to raise in this mandamus proceeding may be passed upon. It follows that the judgement was right and is therefore affirmed with costs.

Affirmed.

Patent Suits.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

913,591. (See 1,255,015.)

977,651. (See 1,255,015.)

979,849. (See 1,363,333.)

979,850. (See 1,363,333.)

986,718, 1,087,662, L. R. Jorgensen, Dam construction, filed July 5, 1927, D. C. Wash. (Seattle), Doc. 593, *Constant Angle Arch Dam Co. v. Northwestern Power & Light Co.*

1,000,298, L. Sarason, Preparation for slowly liberating oxygen and process of manufacturing same, 3d Cir., Doc. 3503, *R. H. Comey Co. v. Monte Christi Corp. et al.* Decree *affirmed*. (Correcting notice published 361 O. G., 5.)

1,018,502, Just & Hanaman, Manufacture of incandescent electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, filed Oct. 18, 1926, D. C. N. J., Doc. E 2167, *General Electric Co. v. Newark Trading Co., Inc., et al.* Interlocutory decree, June 1, 1927. Same, filed Jan. 27, 1927, D. C. N. J., Doc. E 2303, *General Electric Co. v. Continental Lamp Co. et al.* Interlocutory decree, June 30, 1927. Same, filed June 23, 1927, D. C. R. I., Doc. 273, *General Electric Co. v. H. Farkas (Liberty Light Co.) et al.* Decree for injunction, July 5, 1927.

1,038,504, O. P. Smith, Lure conveyer; 1,410,842, 1,379,224, same, Dog-racing amusement; 1,507,439, same, Starting cage for racing dogs; 1,507,440, same, Housing for conveyer cars and tracks; 1,591,569, same, Electric car, filed June 8, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7164, *H. M. Smith et al. v. Ogden Kennel Club et al.* Doc. 7165, *H. M. Smith et al. v. E. H. Wait et al.*

1,076,126, A. H. Krieger, Molded article and process of making; 1,184,184, same, Composition for building material and process of making same, filed Mar. 4, 1924, D. C., S. D. Calif. (S. Div.), Doc. H–66–J, *The Celite Co. v. Feather Stone Insulation Co.* Patents held valid, claims 1, 2, and 3 of 1,076,126 and claims 1, 2, and 4 of 1,184,184 infringed, injunction granted, May 13, 1927.

1,087,662. (See 986,718.)

1,114,832, E. Whitney, Hoisting machine; 1,270,906; same, Suspended scaffolding, filed Apr. 13, 1927, D. C. Nebr. (Lincoln), Doc. E 253, *Little Wonder Scaffolding Co. v. National Mfg. Co., Inc., et al.*

1,178,086, C. W. Lummis, Gas producer; Re. 14,548, 1,274,176, same, Feeding mechanism for gas producers, filed Apr. 10, 1922, D. C., N. D. Ohio (E. Div.), Doc. 717, *Morgan Construction Co. v. The Wellman-Seaver-Morgan Co.* Decree reversed; Patent 1,274,176 held valid, claims 5 and 6 infringed, injunction granted; 1,178,086 not infringed, May 21, 1927.

1,180,159. (See 1,018,502.)

1,184,184. (See 1,076,126.)

1,239,101. (See 1,363,333.)

1,252,642. (See 1,255,015.)

1,255,015, E. A. W. Jefferies, Gas producer; 1,252,642, H. J. Ambruson, same; 913,591, J. A. Waldburger, same; 977,651, W. B. Hughes, same, filed Apr. 10, 1922, D. C., N. D. Ohio (E. Div.), Doc. 718, *Morgan Construction Co. v. The Wellman-Seaver-Morgan Co.* Decree reversed; Patent 1,255,015 valid, claims 1–10, inclusive, infringed; 977,651 valid, claims 1 and 2 infringed; 913,591 claims 1, 2, 8 and 6 not infringed, May 21, 1927.

1,270,906. (See 1,114,832.)

1,274,176. (See 1,178,086.)

1,305,361, C. J. Holslag, Alternating-current welding transformer; Re. 16,012, same, Method of electric arc welding, cutting, and repairing, filed June 29, 1927, D. C. N. J. (Trenton), Doc. E 2754, *Electric Arc Cutting & Welding Co. v. P. G. Wassel et al.*

1,307,783. (See Re. 14,667.)

1,307,784, A. V. Gullborg, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, filed July 5, 1927, D. C., S. D. N. Y., Doc. E 42/179, *The Bassick Mfg. Co. v. C. B. Rogers & Co., Inc.* Same, D. C. Colo. (Denver), Doc. 8497, *The Bassick Mfg. Co. v. Grease Rite Pneumatic Gun Co.* Same, filed July 7, 1927, D. C., W. D. N. Y., Doc. 1131–F, *The Bassick Mfg. Co. v. Kellogg Mfg. Co.* Same, filed June 18, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7210, *The Bassick Mfg. Co. v. Get-Gun Lubricating Corp.*

1,307,734. (See Re. 14,667.)

1,363,333, 1,368,271, 1,371,252, 1,371,498, 1,379,306, N. M. Lower, Locomitive stoker; 979,849, 979,850, W. T. Hanna, Automatic stoker; 1,239,101, same, Locomotive-tender stoker mechanism, filed Sept. 19, 1923, D. C., S. D. Ohio (W. Div.), Doc. E 323, *Locomotive Stoker Co. v. The Hanna Stoker Co.* Decree on mandate of C. C. A. finding claims 1 and 2 of 1,363,333, claims 53 and 58 of 1,368,271, claim 7 of 1,371,252, claims 10, 11, 12, 13, and 14 of 1,371,498 valid and infringed; claims 8 and 9 of

1,363,333, claim 3 of 1,371,252, and claim 10 of 1,379,306 not infringed, and infringement of claim 11 of 1,363,333 has not been proved; claims 1 and 2 of 979,850 not infringed. Defendant is estopped from charging infringement of 979,849 by decision of C. C. A., 277 F. R. 636; 1,239,101 not infringed, and counterclaim dismissed for want of equity (notice dated June 30, 1927).

1,368,271. (See 1,363,333.)

1,371,252. (See 1,363,333.)

1,371,498. (See 1,363,333.)

1,379,224. (See 1,038,504.)

1,379,306. (See 1,363,333.)

1,410,842. (See 1,038,504.)

1,475,980. (See 1,307,734 and Re. 14,667.)

1,491,510, A. E. Bellis, Fused eutectic salt bath; 1,520,744, same, Bath for heat-treating metals, appeal filed July 11, 1927, 1st Cir., Doc. 2145, *The Bellis Heat Treating Co. v. The Heatbath Corp. et al.*

1,507,439. (See 1,038,504.)

1,507,440. (See 1,038,504.)

1,520,744. (See 1,491,510.)

1,547,529, W. P. Stanton, Concrete mold; 1,547,530, same, Method and apparatus for manufacturing hollow concrete building blocks, filed July 13, 1927, D. C., N. D. Calif. (San Francisco), Doc. E 1905, *National Stone Tile Corp. v. G. D. Stead et al* (*Stead Bros.*).

1,547,530. (See 1,547,529.)

1,591,569. (See 1,038,504.)

1,591,707, W. H. Harrington, Attachment plug receptacle; 1,591,772, 1,591,773, A. H. Nero, same, filed May 3, 1927, D. C., S. D. N. Y., Doc. E 41/266, *The Arrow Electric Co. v. J. I. Rodale et al.* (*Rodale Mfg. Co.*). Decree sustaining patents and granting injunction July 6, 1927.

1,591,772. (See 1,591,707.)

1,591,773. (See 1,591,707.)

1,600,073, H. C. Smith, Rotary core barrel and drilling bit, filed May 12, 1927, D. C., S. D. Calif. (Los Angeles), Doc. L–119–H, *H. C. Smith v. Elliott Core Drilling Co.*

1,601,146, J. B. Replogle, Switch, filed Apr. 12, 1927, D. C., E. D. N. Y., Doc. 3041, *Delco-Remy Corp. v. Wellworth Auto Supply Co., Inc.*

1,608,243, A. L. Schavoir, Fabricated cork sheet, filed June 29, 1927, D. C., E. D. Mich. (Detroit), Doc. 2105, *New Process Cork Co., Inc., v. Springman Paper Products Co.*

1,614,317, O. W. Petersen, Grate, filed June 2, 1927, D. C., W. D. Ky. (Louisville), Doc. E 487, *E. Oldham et al. v. Vogt Bros. Mfg. Co.*

1,615,147, R. M. Taylor, Combined muffler and cut-out, filed June 17, 1927, D. C. Ind. (Indianapolis), Doc. 1050, *J. E. Goerlich et al. v. H. McGinnis.*

1,621,800, A. Martin, Electric water heater, filed May 17, 1927, D. C., e. D. N. Y., Doc. 3131, *Kant-Kool Electric Water Heater Co., Inc., v. American Sundries Co., Inc.*

1,627,496, E. Elias, Hand bag, filed June 30, 1927, D. C., S. D. N. Y., Doc. E 42/165, *S. R. Goldsmith et al. v. Quality Leather Goods Co., Inc.*

Re. 13,477, H. Hoerlein, Phenylethylbarbituric acid, filed June 2, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7154, *Synthetic Patents Co., Inc., et al. v. A. H. Harrison.*

Re. 14,548. (See 1,178,086.)

Re. 14,667, F. D. Winkley, Lubricating system; 1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, filed June 18, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7203, *The Bassick Mfg. Co. v. The Motive Parts Co. of America.* Doc. 7204, *The Bassick Mfg. Co. v. Ideal Auto Supply Co.* Doc. 7205, *The Bassick Mfg. Co. v. Sheridan Auto Supply Co.* Doc. 7206, *The Bassick Mfg. Co. v. Chicago Auto Equipment Co.* Doc. 7207, *The Bassick Mfg. Co. v. Chicago Automobile Supply House.* Doc. 7208, *The Bassick Mfg. Co. v. Coliseum Battery Co.* Doc. 7209, *The Bassick Mfg. Co. v. Universal Automotive Supply Co.*

Re. 16,012. (See 1,305,361.)

T. M. 53,937, T. M. 53,938, Schulke & Mayr, Disinfectants and antiseptics; T. M. 126,764, T. M. 137,640, Lehn & Fink, Inc., same; T. M. 135,729, same, Soap and shaving cream; T. M. 225,545, Lysol, Inc., same; T. M. 224,321, same, Antiseptic and disinfectants, filed July 7, 1927, D. C., S. D. Ala. (Mobile), Doc. E 118, *Lysol, Inc., v. G. L. Clarke* (*Crystal Pharmacy*), Doc. 119, *Lysol, Inc., v. L. E. Edmondson* (*Burkett Drug Co.*). Same, filed June 14, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7193, *Lysol, Inc., v. A. A. Dahms et al.* Doc. 7194, *Lysol, Inc., v. A. Rosenfield et al.* Doc. 7195, *Lysol, Inc., v. I. E. Chez et al.*

T. M. 53,938. (See T. M. 53,937.)

T. M. 85,073, T. M. 115,160, Champion Ignition Co., Ignition cable, spark-plug porcelain, etc., filed June 29, 1927, D. C., N. D. Ill. (E. Div.), Doc. 7243, *A. C. Spark Plug Co. v. Worshawsky & Co. et al.*

T. M. 115,160. (See T. M. 85,073.)

T. M. 128,764. (See T. M. 53,937.)

T. M. 135,729. (See T. M. 53,937.)

T. M. 137,640. (See T. M. 53,937.)

T. M. 224,321. (See T. M. 53,937.)

T. M. 225,545. (See T. M. 53,937.)

Disclaimers.

1,411,231.—*Morris L. Weiss*, Brooklyn, N. Y. VULCANIZATION ACCELERATOR. Patent dated March 28, 1922. Disclaimer filed August 9, 1927, by the assignee, *Dovan Chemical Corporation*, patentee assenting.

Hereby disclaims from the scope of any of the claims of said Letters Patent all di-substituted guanidines except the one shown in the illustrative formula of said patent, and except di-substituted guanidines wherein one or more of the hydrogen atoms of either or both of the phenyl (C_6H_5) groups in said illustrative formula may be substituted by a hydrocarbon radical.

1,537,044.—*George Herbert Gibson*, Montclair, N. J. FLOW-PROPORTIONING APPARATUS. Patent dated May 5, 1925. Disclaimer filed August 5, 1927, by the patentee.

Therefore enters this disclaimer to methods of and apparatus for regulating or controlling combustion in a furnace as specified in claims 22, 23, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 52, and 53 of said Letters Patent except methods and apparatus wherein the volume of draft through the furnace is controlled by a draft-regulating adjustment, the extent of which is determined by the volume of draft as distinguished, for example, from adjustments of a draft regulating device to previously calibrated positions as disclosed in the Wilkinson Patent No. 1,093,161.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 30, 1927.

[VOL. 361. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for " under the ten-year proviso " are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1.

RAW OR PARTLY-PREPARED MATERIALS.

Ser. No. 233,761. BLANCHARD BRO. & LANE, Newark, N. J. Filed June 26, 1926.

VELVEAU

Particular description of goods.—Automobile, Carriage, and Furniture Leather.
Claims use since Apr. 21, 1926.

Ser. No. 242,169. E. W. COLLEDGE GENERAL SALES AGENT, INC., Jacksonville, Fla. Filed Dec. 30, 1926.

PIGMENTAR

Particular description of goods.—Pine Tar.
Claims use since June, 1926.

CLASS 2.

RECEPTACLES.

Ser. No. 241,187. SEXTON CAN COMPANY INCORPORATED, Everett and Boston, Mass. Filed Dec. 8, 1926.

AJAX

Particular description of goods.—Ash Cans, Garbage Receivers, and Storage Tanks for Oils, Gasoline, and Other Liquids.
Claims use since on or about Nov. 1, 1906.

Ser. No. 241,687. MARTHA W. AHLES, doing business as Tuck-A-Way Mfg. Co. (not inc.), Chicago, Ill. Filed Dec. 20, 1926.

"TUCK-A-WAY"

Particular description of goods.—Collapsible Cabinets Made of Cloth and Light Wood or Light Metal Shells.
Claims use since Dec. 4, 1926.

Ser. No. 246,631. THE REPUBLIC METALWARE CO., Buffalo, N. Y. Filed Mar. 30, 1927.

STEPON

Particular description of goods.—Garbage and Refuse Cans Made of Metal.
Claims use since Jan. 4, 1927.

Ser. No. 250,440. CHASE BAG CO., New York, N. Y. Filed June 13, 1927.

CHASE BAG CO.
SAXOLIN
PRODUCTS.

No claim is made to the words "Chase Bag Co." and "Products" apart from the mark as shown.

Particular description of goods.—Bags, Sacks, Containers, or Fabrics for Wrapping or Lining Packages, or Containers Composed of Paper, Paper Textile, Cotton, Jute, or Combinations of Cotton and/or Jute and Paper.

Claims use since May 1, 1927.

Ser. No. 251,692. STAR CORRUGATED BOX CO., INC., Maspeth, N. Y. Filed July 5, 1927.

Old Ironsides

Particular description of goods.—Paper and Corrugated Fiber Boxes.

Claims use since July 1, 1927.

Ser. No. 252,164. NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed July 16, 1927.



Particular description of goods.—Vacuum Bottles.

Claims use since May 27, 1927.

CLASS 3.

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.

Ser. No. 251,930. URBAND LEATHER GOODS CO. INC., New York, N. Y. Filed July 12, 1927.

BRIEF-O-NITE

Particular description of goods.—Brief Bags.

Claims use since about May 25, 1927.

CLASS 4.

ABRASIVE, DETERGENT, AND POLISHING MATERIALS.

Ser. No. 215,977. THE J. B. FORD COMPANY, Wyandotte, Mich. Filed June 18, 1925.



WYANDOTTE

Particular description of goods.—Cleaning and Cleansing Materials Comprising Dry Soluble Alkali Powders, Combinations and Mixtures Thereof, for Cleaning, Cleansing, Scrubbing, Scouring, and Washing, for Household, Laundry, Factory, and Other General Cleaning Purposes; Soap Powders, Burnishing Powder, Platers' Powder, Rustproof Metal Cleaner, Aluminum Cleaner, Electro Cleaner—Namely, Compounds of Alkalies Used for Removing Oils and Greases From Metals Before Plating; Metal Cleaners, Fruit Canners' Cleaner, Detergent for General and Industrial Cleaning and Cleansing Marble, Tile, etc.; Special and Modified Alkali Cleaner and Cleanser for Use in Creameries, Laundries, and General Cleaning; and Commercial and Modified Soda Ash Prepared for Washing, Cleaning, and Detergence.

Claims use since May 13, 1899.

CLASS 5.

ADHESIVES.

Ser. No. 251,524. J. A. WEBB BELTING COMPANY, INC., Buffalo, N. Y. Filed July 5, 1927.

Spider Webb

Particular description of goods.—Leather Belt Cement Both General and Waterproof.

Claims use since Aug. 20, 1926.

CLASS 6.

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.

Ser. No. 236,637. JOHN PETER CONNORS, doing business as Opportunity Products Company, Butte, Mont. Filed Aug. 30, 1926.



No claim is made to the words "Gives Proper Blend," "Smoother Taste," "Greater Body," or to the word "Powder" or for the representation of the envelope or container apart from the mark shown in the drawing.

Particular description of goods.—Compound Containing Charcoal and Extract of Celery Seed for Aging and Purifying Beverages.

Claims use since May 25, 1926.

Ser. No. 243,318. LEO MILLER, doing business as The Lion Home Remedy Co. of New York City, New York, N. Y. Filed Jan. 25, 1927.



Particular description of goods.—Lotion for Soothing, Healing, and Relieving Tired and Aching Feet.

Claims use since Jan. 15, 1927.

Ser. No. 247,038. PARK & TILFORD, New York, N. Y. Filed Apr. 6, 1927.

Tintex

Particular description of goods.—Dyes for Use in Cold Water.

Claims use since May, 1915.

Ser. No. 247,231. THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Apr. 9, 1927.

BOROLINE

Particular description of goods.—Face and Hand Lotions, Eye Lotions, After-Shaving Lotions, Dental Creams, Antiseptic Mouth Washes and Gargles, Deodorants, and Antiseptic Solutions.

Claims use since 1909.

Ser. No. 247,403. ALBERT DIAMOND, Chicago, Ill. Filed Apr. 13, 1927.

DANDRO SALVE

The word "Salve" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Dandruff Salve.

Claims use since Apr. 7, 1927.

Ser. No. 247,592. FIRMIN BEDARD, doing business as Gold Thread Syrup Compound Manufacturing Co., New Bedford, Mass. Filed Apr. 18, 1927.



The portrait appearing on the drawing is that of the applicant; the words "Syrup Compound" appearing also on the drawing are descriptive and are hereby disclaimed.

Particular description of goods.—Medicinal Preparation for Sick Headache, Dizziness, Indigestion, Coated Tongue, Bad Taste in Mouth, Heartburn, Ulcer of Stomach, Change of Life, Croup, Coughs, Rheumatism, Kidney Diseases, Pain in Back or Side, Catarrh, Itching, Pimples, Poor Blood.

Claims use since June 30, 1906.

Ser. No. 248,917. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 12, 1927.

IMPASTO

Particular description of goods.—Detoxifying Agent for Oral Prophylaxis, for Treatment of Infections of the Mouth, for Use as a Dentifrice, and for Other Application to the Human Body.
Claims use since May 3, 1927.

Ser. No. 249,263. JAMES B. CARR, Chelmsford, Mass. Filed May 20, 1927.

FRANKLIN BLEACHING FLUID



The picture appearing in the drawing is a pen and ink representation of a portrait of Benjamin Franklin, an American patriot, writer, and diplomat. The term "bleaching fluid" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Bleaches and Bluing.
Claims use since Nov. 1, 1925.

Ser. No. 249,280. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed May 20, 1927.

OPTILEN

Particular description of goods.—A Preparation Made From the Lenses of the Eyes of Edible Animals. It is to be Used in the Treatment of Cataract.
Claims use since Apr. 16, 1927.

Ser. No. 249,701. FOSTER H. BRANDHORST, St. Paul, Minn. Filed May 28, 1927.

Allo-mint

No claim is made to the word "Mint" apart from the mark shown on the drawing.
Particular description of goods.—Medicine for the Relief of Colds and Pain.
Claims use since Mar. 1, 1927.

Ser. No. 249,850. GULF SUPPLY CORPORATION, INC., New Orleans, La. Filed June 1, 1927.

May Jean

Particular description of goods.—Toilet Preparations—Namely, Egyptian Henna, Quinine Bay Rum, Face Lotions, Hair Tonics, Toilet Water, Hair-Waving Fluid, Hair Whitener, Cuticle Oil, Glycerine, Olive Shampoo, Nail Gloss, Ammonia, Face Powder; a Preparation for Removing Nail Gloss; Brilliantine; a Preparation for Usage Upon the Hair in Forming Curls; Shampoo Pastes, Refined Petrolatum, Almond-Meal Compound, Talcum Powder, Quinine Hair Pomade, Hair Oil, Mineral Oil, Bay Rum, Henna Shampoo, and White Henna Bleach.
Claims use since April, 1926.

Ser. No. 249,986. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Filed June 3, 1927.

BUFFALO

Particular description of goods.—Dyestuffs.
Claims use since January, 1887.

Ser. No. 250,361. NIACET CHEMICALS CORPORATION, Niagara Falls and New York, N. Y. Filed June 15, 1927.



Particular description of goods.—Acetaldehyde, Paraldehyde, Aldol, Crotonaldehyde, Acetic Acid.
Claims use since May 24, 1927.

Ser. No. 250,641. EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed June 16, 1927.

TEROGEN

Particular description of goods.—Fungicides and Insecticides.
Claims use since Oct. 1, 1924.

Ser. No. 250,642. EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed June 16, 1927.

INSECTROGEN

Particular description of goods.—Fungicides and Insecticides.
Claims use since Jan. 10, 1925.

Ser. No. 250,643. EDWIN M. ROSENBLUTH, doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Filed June 16, 1927.

APHISTROGEN

Particular description of goods.—Fungicides and Insecticides.
Claims use since Mar. 1, 1925.

Ser. No. 250,798. IRVING I. HELFGOTT, doing business as Lion Laboratories, Newark, N. J. Filed June 20, 1927.



No claim is made to the word "Tonic."
Particular description of goods.—A Reconstructive or General-Debility Tonic.
Claims use since June 1, 1925.

Ser. No. 250,998. LANMAN & KEMP, INC., New York, N. Y. Filed June 23, 1927.

Cleerface

Particular description of goods.—Face Cream.
Claims use since June 8, 1926.

Ser. No. 251,084. ISHBEL STEWART ROBERTSON, doing business as Ishbel Products, Los Angeles, Calif. Filed June 24, 1927.

ISHBEL

Particular description of goods.—A Hair Dressing and Rejuvenator.
Claims use since Jan. 5, 1925.

Ser. No. 251,109. FRANCES C. AXTELL, Bellingham, Wash. Filed June 25, 1927.

DR. AXTELL'S PILLS

W. H. Axtell

The name "W. H. Axtell" is a facsimile of Dr. Axtell's signature. The word "Pills" as shown in the drawing is disclaimed apart from the mark.
Particular description of goods.—Pills for Constipation.
Claims use since June 18, 1927.

Ser. No. 251,157. ZAL LABORATORIES, INC., New York, N. Y. Filed June 25, 1927.



Particular description of goods.—Depilatory Preparations.
Claims use since May 20, 1926.

Ser. No. 251,200. PARKE, DAVIS & CO., Detroit, Mich. Filed June 27, 1927.

NEMA

Particular description of goods.—Tetrachlorethylene.
Claims use since about June 8, 1927.

Ser. No. 251,202. PLOUGH CHEMICAL COMPANY, doing business as The St. Joseph Company, Memphis, Tenn. Filed June 27, 1927.

St. Joseph's Pure ASPIRIN

No claim is made to the words "Pure Aspirin" except in association with the other features of the mark as shown.

Particular description of goods.—A Medicinal Preparation—Namely, Aspirin.

Claims use since about Apr. 22, 1926.

Ser. No. 251,354. RAYNOR MEAD, doing business as Bis-Mint Co., New York, N. Y. Filed June 30, 1927.

BIS-MINT

Consisting of the word "Bis-Mint," no claim being made to the exclusive use of the word "Mint," without, however, waiving the common-law right to the use of the same in connection with the word "Bis" to form the complete mark.

Particular description of goods.—A Treatment for Indigestion.

Claims use since Apr. 1, 1926.

Ser. No. 251,432. CHLORO CHEMICAL CORPORATION, Dover, Del. Filed July 2, 1927.



Particular description of goods.—Healing Antiseptic Ointments and Liquids for the Relief of Skin Eruptions, Abrasions, Inflammations, Burns and Sunburn, Insect Bites, Head Colds, Hay Fever, Frost Bite, Sore Breasts, Sore Feet, Cuts, Wounds, Sore Throat, Tonsilitis, Laryngitis, and Cold and Fever Sores.

Claims use since Feb. 14, 1925.

Ser. No. 251,464. THE VALENTINE CHEMICAL CO., Boston, Mass. Filed July 2, 1927.

E-Zum

Particular description of goods.—Spray for Exterminating Insects on Livestock and for Disinfecting and Deodorizing Stalls and Pens of Animals.

Claims use since Apr. 23, 1927.

Ser. No. 251,466. THE VALENTINE CHEMICAL CO., Boston, Mass. Filed July 2, 1927.

SPRINK

Particular description of goods.—Deodorant and Purifier.

Claims use since Apr. 23, 1927.

Ser. No. 251,467. THE VALENTINE CHEMICAL CO., Boston, Mass. Filed July 2, 1927.

FYX-EM

Particular description of goods.—Insecticide for Destroying Flies, Mosquitoes, Moths, Ants, Bedbugs, Water Bugs, Roaches, Lice, and Fleas.

Claims use since Apr. 23, 1927.

Ser. No. 251,614. THE GLADIATOR CO., INC., New York, N. Y. Filed July 7, 1927.

Kolorzit



The lining on the drawing is intended for shading purposes and not to designate color.

Particular description of goods.—Preparation for Restoring Gray or Faded Hair to Its Natural Color.

Claims use since Oct. 27, 1926.

Ser. No. 251,632. BERTA M. SADTLER, doing business as Betty Warner Products Co., Chicago, Ill. Filed July 7, 1927.

BEAUTI-SHEEN

Particular description of goods.—Hair Rinse.

Claims use since June 1, 1927.

Ser. No. 251,670. HYNSON, WESTCOTT & DUNNING, Baltimore, Md. Filed July 8, 1927.

CALCICARB

Particular description of goods.—Antacids.

Claims use since about December, 1926.

Ser. No. 251,801. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed July 9, 1927.

Kerolysin

Particular description of goods.—Ointment for the Treatment of Skin Diseases.

Claims use since May 27, 1927.

Ser. No. 251,933. CHAS. A. STEVENS & BROS., Chicago, Ill. Filed July 12, 1927.

durante el invierno

Particular description of goods.—Perfumes.

Claims use since June 24, 1927.

Ser. No. 251,934. CHAS. A. STEVENS & BROS., Chicago, Ill. Filed July 12, 1927.

para el otono

Particular description of goods.—Perfumes.

Claims use since June 24, 1927.

Ser. No. 251,935. CHAS. A. STEVENS & BROS., Chicago, Ill. Filed July 12, 1927.

en el verano

Particular description of goods.—Perfumes.

Claims use since June 24, 1927.

Ser. No. 251,944. WILLIAM H. BAKER, doing business as Wa-Hoo Remedy Co., Independence, Mo. Filed July 13, 1927.

Wa-Hoo

Particular description of goods.—Blood and Nerve Tonic.

Claims use since June 1, 1899.

Ser. No. 251,967. ETTA HIXSON, doing business as Cactus Remedy Co., Kansas City, Mo. Filed July 13, 1927.

Mystic

Particular description of goods.—Antiseptic Deodorising Powder for the Feet and an Aid in Allaying Burning and Itching, In Checking Excessive Perspiration and Easing the Pains of Corns, Calli, Bunions, and Helping to Keep the Feet and Shoes Cool and Sanitary.

Claims use since June 9, 1927.

Ser. No. 252,021. VAN PELT & BROWN, Richmond, Va. Filed July 13, 1927.

OXY-PHOS

Particular description of goods.—Medicine in Liquid Form for Use as a Laxative.

Claims use since Feb. 1, 1927.

Ser. No. 252,027. JAMES E. BELL, doing business as "J. B." Products Co., La Porte, Ind. Filed July 14, 1927.

WIN

Particular description of goods.—Water Softener.

Claims use since June, 1926.

Ser. No. 252,034. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed July 14, 1927.

Snow Flake

Particular description of goods.—Laundry Starch.

Claims use since about 1878.

Ser. No. 252,086. THE BUERGER BROTHERS SUPPLY COMPANY, Denver, Colo. Filed July 15, 1927.

Glacier Bloom

Particular description of goods.—Face Lotion.
Claims use since about June 1, 1926.

CLASS 11.

INKS AND INKING MATERIALS.

Ser. No. 248,199. SIGMUND ULLMAN COMPANY, New York, N. Y. Filed Apr. 29, 1927.

Multi

Particular description of goods.—Printing Ink.
Claims use since Nov. 15, 1924.

CLASS 12.

CONSTRUCTION MATERIALS.

Ser. No. 198,462. MACKIE & BARNES, INC., Seattle, Wash. Filed June 12, 1924.



Particular description of goods.—Lumber and House Wooden Shingles.
Claims use since Mar. 1, 1922.

Ser. No. 246,243. THE W. S. TYLER COMPANY, Cleveland, Ohio. Filed Mar. 23, 1927.

METYLWOOD

Particular description of goods.—Articles Consisting of Wood Veneer on Steel, Bronze, and Other Metals—Namely, Plain Panels and Panels and Objects Ornamented in Tracery Designs Producing the Effect of Metal Inlays in Wood for Use in the Construction of Elevator Cars, Elevator Entrances, Corridor Doors, and the Construction Adjoining Elevator Corridors and Elsewhere.
Claims use since Mar. 21, 1927.

Ser. No. 246,244. THE W. S. TYLER COMPANY, Cleveland, Ohio. Filed Mar. 23, 1927.



Particular description of goods.—Articles Consisting of Wood Veneer on Steel, Bronze, and Other Metals—Namely, Plain Panels and Panels and Objects Ornamented in Tracery Designs Producing the Effect of Metal Inlays in Wood for Use in the Construction of Elevator Cars, Elevator Entrances, Corridor Doors, and the Construction Adjoining Elevator Corridors and Elsewhere.
Claims use since Mar. 21, 1927.

Ser. No. 250,283. ACME BRICK COMPANY, Fort Worth, Tex. Filed June 10, 1927.

APRICOT

Particular description of goods.—Brick.
Claims use since March, 1925.

CLASS 13.

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.

Ser. No. 217,961. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed July 27, 1925.



Particular description of goods.—Door Tracks, Door-Track Brackets, Door-Stay Rollers, Door Closers, Door-Checks, Door Latches, Door Holders, Door Handles, Door Hinges, Door Dogs, Hangers for Doors and Other Movable Closures, Fusible Links, Stair-Rail Brackets, and Toggle Bolts.
Claims use since 1911.

Ser. No. 249,048. THE EVEREDY COMPANY, Frederick, Md. Filed May 16, 1927.



Exclusive use of the word "Everedy" is disclaimed. The drawing is lined for red and gold.
Particular description of goods.—Siphon Filters, Strainer Sets, and Screen-Door Checks.
Claims use since Jan. 1, 1924.

Ser. No. 250,032. NATIONAL LOCK CO., Rockford, Ill. Filed June 4, 1927.

Mapolite

Particular description of goods.—Sash Pulleys.
Claims use since May 27, 1927.

Ser. No. 250,579. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn. Filed June 15, 1927.

Sansware

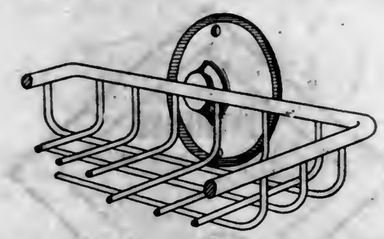
Particular description of goods.—Soap Holders, Tumbler Holders, Grab Rails, Toilet-Paper Holders, Sponge Holders, Toothbrush Holders, Dentifrice Holders, Towel Bars, Shelf Brackets, Robe Hooks, Strop Hooks, and Doorstops.
Claims use since about Mar. 30, 1927.

Ser. No. 251,952. THE CLARK MANUFACTURING COMPANY, Philadelphia, Pa. Filed July 13, 1927.

SAMSON

Particular description of goods.—Metal Christmas-Tree Holders.
Claims use since June 27, 1927.

Ser. No. 252,447. UTILITY MANUFACTURING COMPANY, INC., Baltimore, Md. Filed July 22, 1927



The drawing is lined for blue. No claim is made to the representation of the goods per se. The trade-mark consists of a narrow blue ring applied to the wall bracket.
Particular description of goods.—Bathroom Fixtures—Namely, Soap Dishes, Sponge Baskets, Toilet-Paper Holders, Tumbler Holders, Towel Bars, Toothbrush Holders, Tooth-Paste Holders, Shaving-Brush Holders, and Shaving-Cream Holders.
Claims use since Apr. 1, 1927.

CLASS 14.

METALS AND METAL CASTINGS AND FORGINGS.

Ser. No. 251,753. GRAYBAR ELECTRIC COMPANY, INC., New York, N. Y. Filed July 9, 1927.

GraybaR

Particular description of goods.—Resin-Core Solder.
Claims use since January, 1926.

CLASS 15.

OILS AND GREASES.

Ser. No. 233,692. THE M & M COMPANY, doing business as Automotive Laboratories, Cleveland, Ohio. Filed June 24, 1926.

SPEED

Particular description of goods.—Oils and Greases—Namely, Automobile Cup Grease, Lubricating Oil, Gear Compound, Household Lubricant, Spring Oil, and Hydraulic-Brake Compound.
Claims use since on or about February, 1921.

Ser. No. 234,922. THE RED "C" OIL COMPANY, Baltimore, Md. Filed July 22, 1926.

IMPERIAL

Particular description of goods.—Illuminating Oil and Gasoline.
Claims use since 1895.

Ser. No. 250,783. BLACKHAWK PETROLEUM CO., Chicago, Ill. Filed June 20, 1927.



Particular description of goods.—Lubricating Oils and Greases.
Claims use since Nov. 1, 1925.

CLASS 16.

PAINTS AND PAINTERS' MATERIALS.

Ser. No. 234,382. THE H. B. DAVIS COMPANY, Baltimore, Md. Filed July 10, 1926.

ZAN-Z-LAC

No claim is made to "Lac" apart from the mark shown.
Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Stains, Varnishes, and Paint Enamels.
Claims use since September, 1920.

Ser. No. 252,605. KEL-KO PAINT REMOVER MANUFACTURING CO., Chicago, Ill. Filed July 27, 1927.

KEL-KO

Particular description of goods.—Paint and Varnish Remover for Woodwork, Hardwood Floors, and Metal Surfaces.
Claims use since May 2, 1927.

Ser. No. 252,606. KEL-KO PAINT REMOVER MANUFACTURING CO., Chicago, Ill. Filed July 27, 1927.



Particular description of goods.—Paint and Varnish Remover for Woodwork, Hardwood Floors, and Metal Surfaces.
Claims use since May 2, 1927.

CLASS 17.

TOBACCO PRODUCTS.

Ser. No. 251,010. JAMES K. PHELLIS, Springfield, Mass. Filed June 23, 1927.

J. K. P.
PHELLIS CIGARS

Without waiving any common-law rights applicant disclaims an exclusive right to the word "Cigars" and the name "Phellis" apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since June 6, 1927.

Ser. No. 251,332. LOUIS P. GLASS, Brooklyn, N. Y. Filed June 30, 1927.

THE TICKER

Particular description of goods.—Cigars, Cigarettes, and Smoking Tobacco.
Claims use since May 10, 1927.

Ser. No. 251,371. GEORGE ZIFFERBLATT, doing business as Geo. Zifferblatt & Co., Philadelphia, Pa. Filed June 30, 1927.

HABANELLO

The drawing is lined for shading.
Particular description of goods.—Cigars, Cigarettes, Cheroots, and Smoking Tobacco.
Claims use since Sept. 9, 1909.

CLASS 19.

VEHICLES, NOT INCLUDING ENGINES.

Ser. No. 251,602. BOND FOUNDRY AND MACHINE COMPANY, Manheim, Pa. Filed July 7, 1927.

Bond

Particular description of goods.—Truck Casters.
Claims use since January, 1915.

CLASS 21.

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.

Ser. No. 217,137. DAYNITE AUTO LIGHT CO., Marion, Ind. Filed July 10, 1925.

DAYNITE

Particular description of goods.—Auxiliary Electric Lamps for Automobiles.
Claims use since Feb. 10, 1925.

Ser. No. 240,572. TELEFUNKEN, GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Nov. 24, 1926.

Arco

Particular description of goods.—Radio Transmitting-Station Equipment and Parts Thereof—Namely, Generators, Transformers, Condensers, Electron Tubes, Transmitting Keys, Alternators, Inductances, Microphones; Antennæ, Radio Receiving Sets, and Parts Thereof—Namely, Electron Tubes, Transformers, Condensers, Crystals, Loud Speakers, Amplifying Horns, Head Sets, Resistances; Complete Aeroplane Transmitting and Receiving Sets; Radio Compasses and Direction Finders.
Claims use since Nov. 11, 1924.

Ser. No. 242,447. TELEFUNKEN, GESELLSCHAFT FÜR DRAHTLOSE TELEGRAPHIE M. B. H., Berlin, Germany. Filed Jan. 6, 1927.



Particular description of goods.—Receiving Apparatus for Wireless Telegraphy and Telephony Comprising Detectors, Electron Tubes, Wound Spools and Bobbins, Condensers, Transformers, Telephones, Batteries, Reenforcers, Loud Speakers, Antennæ; Transmission Apparatus for Wireless Telegraphy and Telephony Comprising Tube Transmitters, High-Frequency Machines, Frequency Transformers, Transmission Tubes, Microphones; Receiving and Transmission Apparatus for Wired Telephony and Telegraphy; Transmission and Receiving Apparatus for Electric Picture Conveying (Television) and Photocells, Light Relays, and Synchronizing Apparatus Therefor.
Claims use since May 1, 1926.

Ser. No. 248,292. OTTO RUDOLPH MONT ETON, doing business as Mont-Eton Radio Laboratories, San Francisco, Calif. Filed May 2, 1927.

MERL

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Feb. 2, 1922.

Ser. No. 248,753. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed May 10, 1927.

CARBORUNDUM

Ownership claimed of Certificate 49,394, the word "Carborundum," for abrasives, in Class 4.
Particular description of goods.—Certain Electrical Devices Comprising Detectors for Radio Apparatus, Resistance Rods, Lightning Arresters, Resistors, and Resistor Units.
Claims use since May 27, 1910.

Ser. No. 249,274. BEVIL G. GRANVILLE, doing business as Southwest Battery Co., Tucson, Ariz. Filed May 20, 1927.



The word "Everbrite" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Dry-Cell Batteries.
Claims use since Apr. 4, 1927.

Ser. No. 249,890. BURGESS BATTERY COMPANY, Madison, Wis. Filed June 2, 1927.



The vertical lining on the representation of a shield appearing in the drawing indicates red color. Applicant disclaims any exclusive right to the words "Radio "A" Battery" apart from the mark shown in the drawing.
Particular description of goods.—Electric Batteries.
Claims use since Dec. 1, 1925.

Ser. No. 250,522. WESTINGHOUSE UNION BATTERY COMPANY, Swissvale, Pa. Filed June 14, 1927.

WESTINGHOUSE

Particular description of goods.—Secondary Batteries.
Claims use since June 25, 1925.

Ser. No. 250,821. H. E. SCHULSE, INC., New York, N. Y. Filed June 20, 1927.

KING SHINER

The word "Shiner" is disclaimed apart from the mark shown in the drawings.
Particular description of goods.—Electric Shoe-Shining Installations.
Claims use since on or about Dec. 11, 1926.

Ser. No. 251,647. BATTERIEN-U. ELEMENTE-FABRIK SYSTEM ZEILER AKTIENGESELLSCHAFT, Berlin, Germany. Filed July 8, 1927.

Particular description of goods.—Electric Bells, Dry Cells, Dry Batteries, Refill Batteries, Refill Cells, Electric Accumulators, and Batteries and Their Parts.
Claims use since Sept. 11, 1916.

CLASS 22.

GAMES, TOYS, AND SPORTING GOODS.

Ser. No. 251,405. R. H. MACY & CO., INC., New York, N. Y. Filed July 1, 1927.

SUPRE-MACY

Particular description of goods.—Tennis Rackets.
Claims use since May 14, 1927.

Ser. No. 251,504. THE JOHNSON FLYING TOYS COMPANY, Cleveland, Ohio. Filed July 5, 1927.

ATLANTIC FLYER

Particular description of goods.—Kites.
Claims use since on or about June 15, 1927.

CLASS 23.

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 221,203. PLOMB TOOL COMPANY, Los Angeles, Calif. Filed Oct. 3, 1925.

PLOMB

Particular description of goods.—Cold Chisels, Long Cold Chisels; Cape, Diamond, and Round-Nose Chisels; Floor Chisels, Plugging Chisels, Ripping Chisels, Soil-Pipe Chisels, Slitting Chisels, Tile Chisels, Tinners' Chisels, Tinners' Wire Chisels, Tinners' Hollow Chisels, Stone-Cutters' Chisels, Concrete Gads, Boilermakers' Beaders, Double-end Roof Scrapers, Tinners' Hand Reamers, Tinners' Hand Scrapers, Tinners' Hand Groovers, Tinners' Rivet Sets, Special Rivet Sets for Master-Ring Gears and Frames, Ripping Bars, Solid Punches, Rivet Punches, Long Taper Drift Punches, Prick Punches, Center Punches, Garage or Pin Punches, Key Punches, Heavy Octagon Nail Sets, Cotter-Pin Pullers, Staple Pullers, Oil Groovers, Star Drills, Telephone Drills, Marble Drills, Plain Drills, Brace Drills, Brace Reamers, Offset Screw Drivers, T-Handle Screw Drivers, T Screw Drivers, Drift Pins, Screw-Driver Bits, Screw Drivers, Scratch Awls, Long Calkers, Pony Calkers, Right and Left Calkers, Ceiling Calkers, Elbow Calkers, Gasket Calkers, Gas-Fitters' Calkers, Offset Yarners, Spring Yarners, Lead-Picking Tools, Bending Irons, Rivet Cutters, Brick Sets, Brick Jointers, Concave and Convex Jointers, Plaster Tools, Tile Markers, Prospectors' Picks, Concrete Picks, Brick Scutches, Bearing Scrapers, Carbon Scrapers, Open-End Wrenches, Special Tappet Wrenches, Special Wrenches, Linemen's Wrenches, Cap-Screw Wrenches, Double-End Pin-Handle Socket Wrenches, Double-End Socket Wrenches, Special Garage Wrenches, Speed Socket Wrenches, Special L Socket Wrenches, Box Wrenches, T Socket Wrenches, Sockets, Square Inside-Corner Trowels, Square Outside-Corner Trowels, Cement-Finishers' Square S Edgers, Round Inside-Corner Trowels, Round Outside-Corner Trowels, Jointers, Plastering Trowels, Pointing Trowels, Floor Scrapers.
Claims use since Aug. 1, 1925.

Ser. No. 222,962. SOCIÉTÉ ANONYME DES USINES RENAULT, Billancourt, France. Filed Nov. 6, 1925.

RENAULT

Particular description of goods.—Internal-Combustion or Explosion Motors and Parts Thereof and Agricultural Tractors, Endless-Track-Crawler Tractors, Lathes, Hand and Machine Drills, Hammers, Hatchets, and Saws.
Claims use since August, 1924.

Ser. No. 238,403. SHEET STEEL PRODUCTS COMPANY, Detroit, Mich., and Michigan City, Ind. Filed Oct. 9, 1926.

FILTRATOR

Particular description of goods.—Filters for Engines.
Claims use since Dec. 31, 1925.

Ser. No. 248,310. MARKT & HAMMACHER COMPANY, New York, N. Y. Filed May 2, 1927. Under 10-year proviso.

THE GREAT AMERICAN FLAG

The lining in the drawing indicates shading only.
Particular description of goods.—Farming and Garden Tools—Namely, Rakes, Spades, Manure Forks, Hayforks, Beet Forks, Coke Forks, Stone Forks, Hoes, Hooks, Cultivators, Shovels, Weeders, Turf Edgers.
Claims use since about July 1, 1878.

Ser. No. 248,845. THE KITCHENAID MANUFACTURING COMPANY, Troy, Ohio. Filed May 11, 1927.

KitchenAid

Particular description of goods.—Oil Droppers, Food Choppers, Coffee Mills and Cereal Grinders, Fruit-Juice Extractors, and Vegetable Slicers.
Claims use since Nov. 25, 1919.

Ser. No. 248,852. MARKT & HAMMACHER COMPANY, New York, N. Y. Filed May 11, 1927. Under 10-year proviso.

GREAT AMERICAN FLAG

The lining appearing in the drawing indicates shading only.
Particular description of goods.—Farming and Garden Tools—Namely, Rakes, Spades, Manure Forks, Hayforks, Beet Forks, Coke Forks, Stone Forks, Hoes, Hooks, Cultivators, Shovels, Weeders, Turf Edgers.
Claims use since about July 1, 1871.

Ser. No. 249,917. THE "NEW-WAY" MOTOR COMPANY, Lansing, Mich. Filed June 2, 1927.

"New-Way"

Particular description of goods.—Stationary and Marine Internal-Combustion Engines.
Claims use since Feb. 1, 1905.

Ser. No. 250,806. LANDERS, FRARY & CLARK, New Britain, Conn. Filed June 20, 1927.

PYROHORN

Particular description of goods.—Meat Carvers, Beef Carvers, and Breakfast Carvers.
Claims use since Apr. 28, 1927.

Ser. No. 251,198. PACIFIC MARINE SUPPLY COMPANY, Seattle, Wash. Filed June 27, 1927.

THE PACIFIC PUMPER

No registration rights are claimed for the words "The" and "Pumper" apart from the mark shown in the drawing, but applicant waives none of its common-law rights in said mark or any element thereof.
Particular description of goods.—Forest-Fire Pumps.
Claims use since Jan. 1, 1925.

Ser. No. 251,216. BERING-CORTES HANDWARE CO., Houston, Tex. Filed June 28, 1927.

BECO

Particular description of goods.—Axes, Hammers, Hatchets, Ax Handles, Hammer Handles, Auger Bits, Chisels, Screw Drivers, Saws, Pipe Wrenches, Files, Garden Hoes, Rakes, Shovels, Posthole Diggers, Lawn Mowers, Plow Sweeps, Windmills, Plows, Pocket Knives, Butcher Knives, and Water Pumps.
Claims use since Jan. 1, 1922.

Ser. No. 251,368. UTILITY MANUFACTURING CO., INC., Baltimore, Md. Filed June 30, 1927.



The trade-mark consists in coloring the handles diagonally longitudinally in blue and white stripes, each stripe covering approximately one-half of the handle. The drawing is lined for blue. No claim is made herein to the representation of a handle per se.
Particular description of goods.—Ice Picks, Paring Knives, Kitchen Forks, Cake Turners, Spatulas, Can Openers, Potato Mashers, Egg Whips, Egg Beaters, Kitchen Spoons, Strainer Spoons, Basting Spoons, Batter Spoons, Stirring Spoons, Mixing Spoons, Apple Corers, Grapefruit Knives, Kitchen Trowels, Pan Scrapers, and Kettle Scrapers.
Claims use since Mar. 1, 1927.

Ser. No. 251,396. JORDAN MARSH COMPANY, Boston, Mass. Filed July 1, 1927.

"Avona"

Particular description of goods.—Sewing Machines.
Claims use since Jan. 1, 1916.

Ser. No. 251,453. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed July 2, 1927.

MOREDGE

Particular description of goods.—Mechanical Razor-Stropping Machines.
Claims use since May 16, 1927.

Ser. No. 251,476. ARROW NEEDLE COMPANY, Manchester, N. H. Filed July 5, 1927.

ARROW LATCH NEEDLES

The words "Latch Needles" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Latch Needles.
Claims use since June 20, 1927.

CLASS 26.

MEASURING AND SCIENTIFIC APPLIANCES.

Ser. No. 235,218. THE JACOBS BROS. CO., INC., Brooklyn, N. Y. Filed July 27, 1926.

JACOBS

Particular description of goods.—Scales, and Particularly Commercial Scales of the Floor, Counter, and Suspension Types, Household Scales for Domestic Use, and Personal Scales of the Bathroom Type.
Claims use since July 12, 1926.

Ser. No. 235,261. GEVAERT PHOTO-PRODUCTEN, N. V. PHOTO-PRODUCTS GEVAERT, S. A., Vieux-Dieu, Mortsel, near Antwerp, Belgium. Filed July 28, 1926.

GAYKO

Particular description of goods.—Sensitized Photographic Papers and Plates, Photographic Films on Spools and Bobbins, Film Packs, Portrait Films, Cinematographic Films, Radiographic Films, and Cameras.
Claims use since November, 1925.

Ser. No. 235,262. GEVAERT PHOTO-PRODUCTEN, N. V. PHOTO-PRODUCTS GEVAERT, S. A., Vieux-Dieu, Mortsel, near Antwerp, Belgium. Filed July 28, 1926.

Studex

Particular description of goods.—Sensitized Photographic Papers and Plates, Photographic Films on Spools and Bobbins, Film Packs, Portrait Films, Cinematographic Films, Radiographic Films, and Cameras.
Claims use since November, 1925.

Ser. No. 235,263. GEVAERT PHOTO-PRODUCTEN, N. V. PHOTO-PRODUCTS GEVAERT, S. A., Vieux-Dieu, Mortsel, near Antwerp, Belgium. Filed July 28, 1926.

VERO

Particular description of goods.—Sensitized Photographic Papers and Plates, Photographic Films on Spools and Bobbins, Film Packs, Portrait Films, Cinematographic Films, Radiographic Films, and Cameras.
Claims use since December, 1925.

Ser. No. 248,727. HUGO RIESENFELD, New York, N. Y. Filed May 9, 1927.

THE WORLD OVER

Particular description of goods.—Motion Pictures.
Claims use since Apr. 1, 1927.

Ser. No. 251,544. CLAY-ADAMS COMPANY, INC., New York, N. Y. Filed July 6, 1927.

GOLD SEAL 6 ADAMS NON-CORROSIVE

No claim is made to the exclusive use of the word "Non-corrosive" apart from the other features of the mark.
Particular description of goods.—Microscopic Cover Glasses and Microscopic Slides.
Claims use since June 1, 1927.

CLASS 27.

HOROLOGICAL INSTRUMENTS.

Ser. No. 250,176. ILLINOIS WATCH CASE COMPANY, Elgin, Ill. Filed June 8, 1927.

MONITOR

Particular description of goods.—Watches, Watch Movements, and Watchcases.
Claims use since 1892 or earlier.

CLASS 28.

JEWELRY AND PRECIOUS-METAL WARE.

Ser. No. 211,350. THE HOWARD A. GEIGER COMPANY, Cleveland, Ohio. Filed Mar. 20, 1925.



Particular description of goods.—Men's Jewelry Consisting of Shirt Studs and Cuff Buttons and Stick Pins.
Claims use since Oct. 1, 1922.

Ser. No. 244,631. SIGMA DELTA KAPPA, Detroit, Mich. Filed Feb. 19, 1927.

ΣΔΚ

Particular description of goods.—Fraternity Badges, Lapel Buttons, Scarf, Lapel, and Breast Pins, Cuff Links, Tie Clasps, Charms, Finger Rings, Belt Buckles, Cigarette Cases and Ornamental Shields, All of Precious Metal.
Claims use since about December, 1914.

Ser. No. 248,377. HENRY AMBROSE SPEED, doing business as Weepah Luckipick Company, San Antonio, Tex. Filed May 3, 1927.

Weepah Luckipick

Particular description of goods.—Ornamental Stick Pins, Finger Rings, Ornamental Pins to be Worn on Coat Lapels, Bracelets, and Other Articles of Jewelry for Personal Wear Not Including Watches.
Claims use since Apr. 2, 1927.

Ser. No. 249,918. THE NOV-E-LINE MANUFACTURING CO., INC., New York, N. Y. Filed June 2, 1927.

The NOV-E-LINE MANUFACTURING CO. INC. CREATORS OF DIAMOND-LIKE JEWELRY

The words "Creators of Diamond-Like Jewelry" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Jewelry for Personal Wear, not Including Watches, Made of Precious Metal or Base Metal or of Base Metal Plated With Precious Metal.

Claims use since Mar. 1, 1927.

Ser. No. 251,433. COHEN & PLATZER, New York, N. Y. Filed July 2, 1927.

EMBASSY

Particular description of goods.—Finger Rings.

Claims use since Apr. 15, 1927.

CLASS 29.

BROOMS, BRUSHES, AND DUSTERS.

Ser. No. 226,395. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass. Filed Jan. 25, 1926.

ELKO

Particular description of goods.—Brushes for Painting, Varnishing, or Applying Various Liquids, and for Cleaning, Polishing, and Sweeping.

Claims use since on or about Aug. 1, 1911.

Ser. No. 251,454. PITEGOFF BROTHERS, New York, N. Y. Filed July 2, 1927.

Pee Bee TRADE MARK

No claim is made to the exclusive use of the words "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Artists' and Painters' Brushes—Namely, Artist, Paint, Varnish, Wall, Whitewash, Calcimine, Radiator-Bronsing, Oval, Paste, Plasterers', Roofing, Car-Scrubbing, Stucco, Stencil, Duster, Sash-Tool, and Other Brushes Used in Applying Paint or Other Coatings.

Claims use since March, 1927.

CLASS 30.

CROCKERY, EARTHENWARE, AND PORCELAIN.

Ser. No. 251,161. THE ATLAS-GLOBE CHINA COMPANY, Niles, Ohio. Filed June 27, 1927.

LOVE BIRD

Particular description of goods.—China Dinner Ware.

Claims use since June 13, 1927.

Ser. No. 251,162. THE ATLAS-GLOBE CHINA COMPANY, Niles, Ohio. Filed June 27, 1927.

ATLAS-GLOBE

Particular description of goods.—China, Porcelain, Pottery, and Earthen Ware, and Decorated and Plain Dinner Ware.

Claims use since November, 1926.

Ser. No. 251,553. EUGENE L. FONDEVILLE, doing business as A. J. Fondeville & Co., New York, N. Y. Filed July 6, 1927.



CHANTICLEER WARE FONDEVILLE ENGLAND

No claim is made to the terms "Ware," "England," and "Fondeville" apart from the mark as shown.

Particular description of goods.—Porcelain Ware.

Claims use since June 1, 1927.

Ser. No. 251,554. EUGENE L. FONDEVILLE, doing business as A. J. Fondeville & Co., New York, N. Y. Filed July 6, 1927.



No claim is made herein to the terms "Ware" and "England" apart from the mark as shown.

Particular description of goods.—Porcelain Ware.

Claims use since June 1, 1927.

CLASS 31.

FILTERS AND REFRIGERATORS.

Ser. No. 251,709. THE BARBER ASPHALT COMPANY, Philadelphia, Pa. Filed July 9, 1927.



The vertical shade lines on the drawing indicate the color red.

Particular description of goods.—Refrigerators and Refrigerating Machines.

Claims use since June 3, 1927.

Ser. No. 252,331. THE KITCHENAID MANUFACTURING COMPANY, Troy, Ohio. Filed July 20, 1927.

KitchenAid

Particular description of goods.—Ice-Cream Freezers.

Claims use since Nov. 25, 1919.

CLASS 34.

HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.

Ser. No. 240,065. DETROIT STOKER COMPANY, Monroe and Detroit, Mich. Filed Dec. 4, 1926.

UNISTOKER

Particular description of goods.—Stokers.

Claims use since about July 22, 1926.

Ser. No. 249,066. JOHN HICKS, Somerville, N. J. Filed May 16, 1927.



Particular description of goods.—Gas Water Heaters Used for Range Boilers and Storage Systems to Furnish Hot Water for Domestic Purposes Wherever Gas Is Used.

Claims use since Feb. 1, 1926.

Ser. No. 249,513. ROY CROSS, Kansas City, Mo. Filed May 25, 1927.

COAL-O-MATIC

Particular description of goods.—Automatic Fuel Feed for Furnaces.

Claims use since April, 1926.

Ser. No. 251,040. INDIANA STOVE WORKS, Evansville, Ind. Filed June 24, 1927.

"DARLING PARLOR HEATER"

No claim is made herein to the words "Parlor Heater" apart from the mark shown in the drawing, no common-law right being hereby waived.

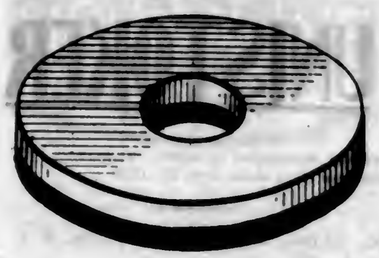
Particular description of goods.—Coal and Wood Stoves.

Claims use since January, 1882.

CLASS 35.

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.

Ser. No. 247,139. NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. Filed Apr. 8, 1927.



The trade-mark consists of two contrasting parallel stripes of black and gray colors appearing on the circumferential edge surface of the washers, which colors are made to thus appear by forming the washers of two sections of materials of these respective colors. No claim is made to the representation of the article.

Particular description of goods.—Rib and Faucet Washers.

Claims use since Mar. 26, 1927.

Ser. No. 251,414. THOMAS BELL STEPHENSON, doing business as Red Stick Products Company, Houston, Tex. Filed July 1, 1927.

Red-Stick

The drawing is shaded to indicate red.

Particular description of goods.—Rubber-Tube Patches.

Claims use since 1925.

CLASS 37.

PAPER AND STATIONERY.

Ser. No. 207,971. CRED-LECT COMPANY, doing business as Cred-Lect Service, Los Angeles, Calif. Filed Jan. 12, 1925.

CRED-LECT

Particular description of goods.—Bookkeeping Ledgers, Form Letters Used in Connection with a Collection System and Sold to the Users of Said System.

Claims use since Nov. 1, 1924.

Ser. No. 234,848. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed July 21, 1926.

Mephisto

Particular description of goods.—Leads, Colored Pencils and Colored-Chalk Pencils, Lead and Colored Refills, Drawing and Shop Chalks With or Without Wooden Casings, Sketching Charcoal, Chalk Holders, Slate Pencils, Artists' Pencils, Propelling Pencils, Sliding Pencils, Penholders, Fountain-Pen Holders and Pen Nibs for Same, Writing Pen, Clips for Securing Fountain Pens in the Pocket, Pen Wipers, Inkpots, Blotting Rockers, India-Rubber Erasers for Pencil and Ink, India-Rubber Bands and Rings; Point Protectors of All Kinds, Imitation Writing Plates Made of Pasteboard, Slate Note Blocks, Letter Openers, Paper Weights, Paper Clips, Drawing Pins, Drawing Paper, Tracing Paper and Cloth, Copying Wells.

Claims use since 1890.

Ser. No. 244,695. HI-JEN CRAYON CO., Valley Park, Mo. Filed Feb. 21, 1927.

SUNSET CRAYONS

Applicant disclaims the use of the word "Crayons" apart from the mark as shown.

Particular description of goods.—Crayons.

Claims use since Jan. 1, 1927.

CLASS 36.

PRINTS AND PUBLICATIONS.

Ser. No. 234,700. HAYWARD & DAHLEN, Minneapolis, Minn. Filed July 19, 1926.



Particular description of goods.—Motto Cards, Greeting Cards, Printed Cards, and Wall Calendars.

Claims use since May 10, 1926.

Ser. No. 250,646. THE RURAL PUBLISHING COMPANY, Mount Clemens and Detroit, Mich. Filed June 16, 1927.

BUSINESS FARMER

Particular description of goods.—Periodical.

Claims use since about Aug. 1, 1915.

Ser. No. 250,649. TEXAS FARM BUREAU COTTON ASSOCIATION, Dallas, Tex. Filed June 16, 1927.

FARM BUREAU NEWS

Particular description of goods.—Periodical Published Twice Each Month.

Claims use since Dec. 20, 1920.

Ser. No. 251,128. THE EDITOR & PUBLISHER CO., New York, N. Y. Filed June 25, 1927.

EDITOR & PUBLISHER

The words "The Oldest Publishers and Advertisers in America" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Newspapers Issued Weekly.

Claims use since Aug. 17, 1918.

Ser. No. 251,823. DOUBLEDAY, PAGE & CO., Garden City, N. Y. Filed July 11, 1927.

EL ECO

Particular description of goods.—Publication Issued Semimonthly During the Months of October to May.

Claims use since Oct. 1, 1920.

Ser. No. 251,919. THE LITERARY GUILD OF AMERICA, INC., New York, N. Y. Filed July 12, 1927.



Particular description of goods.—Books.

Claims use since May 1, 1927.

Ser. No. 252,110. THE PUBLISHERS SYNDICATE CORPORATION, New York, N. Y. Filed July 15, 1927.

Direct Mail Selling

Particular description of goods.—Monthly Publication.

Claims use since Oct. 1, 1926.

Ser. No. 252,173. THE TIMES-PICAYUNE PUBLISHING CO., New Orleans, La. Filed July 16, 1927.

The Times-Picayune

Particular description of goods.—Newspapers Issued Every Morning.

Claims use since May 12, 1914.

Ser. No. 252,175. THE VICKERY AND HILL PUBLISHING CO., Augusta, Me. Filed July 16, 1927.

MODERN HOMEMAKING

Particular description of goods.—Periodical.

Claims use since July 12, 1927.

Ser. No. 252,203. FRANK G. HOFFMAN, Los Angeles, Calif. Filed July 18, 1927.

UNICO SAVE "U"

Particular description of goods.—Trade Coupon Certificates.

Claims use since about July 5, 1927.

Ser. No. 252,312. BRAGDON, LORD & NAGLE CO., New York, N. Y. Filed July 20, 1927.

The Textile Round Table

Particular description of goods.—Series of Questionnaire Blanks Issued at Regular Intervals.

Claims use since May, 1927.

Ser. No. 252,327. THE HOFFMAN BROTHERS COMPANY, Baltimore, Md. Filed July 20, 1927.

The
PRINTED WORD



The lining on the drawing is intended for shading purposes only.

Particular description of goods.—Quarterly Magazine.

Claims use since July 15, 1927.

CLASS 39.

CLOTHING.

Ser. No. 233,417. BROOKS SHOE MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 18, 1926.

"Foot-Lite"

Particular description of goods.—Leather and Fabric Ballet Slippers.

Claims use since September, 1921.

Ser. No. 239,266. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Oct. 26, 1926.

Coronado

Particular description of goods.—Coats, Vests, Trousers, Knickerbockers, and Overcoats for Men, Youths, and Boys.
Claims use since Mar. 1, 1926.

Ser. No. 239,577. EXCLUSIVE GARMENT SHOP, INC., Baltimore, Md. Filed Nov. 2, 1926.

GARMENTERIA

Particular description of goods.—Coats, Suits, Knickers, and Hats for Men, Women, and Children; Dresses, Outer Skirts, Blouses, Capes, and Bloomers for Women and Children; Pants for Men and Boys.
Claims use since May 11, 1926.

Ser. No. 242,354. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 4, 1927.

ROLLIC

Applicant owns registration No. 165,960.
Particular description of goods.—Children's Wearing Apparel—Namely, Play Suits and Pyjamas.
Claims use since Feb. 1, 1922.

Ser. No. 242,528. EMPIRE HAT WORKS, Chicago, Ill. Filed Jan. 8, 1927.

EMPIRE

Pearl

Particular description of goods.—Hats for Women and Children.
Claims use since June 5, 1920.

Ser. No. 242,930. EDGAR B. WALTERS ORGANIZATION, INC., New York, N. Y. Filed Jan. 15, 1927.

Drytweed

Particular description of goods.—Articles of Wearing Apparel—Viz, Top Coats.
Claims use since about Nov. 1, 1926.

Ser. No. 246,687. SAM JAFFE & SONS, New York, N. Y. Filed Mar. 31, 1927.

The Samson Shirt

Applicant disclaims any exclusive right to the word "Shirt" apart from the mark shown in the drawing.
Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, and Flannel Shirts.
Claims use since May, 1926.

Ser. No. 247,313. JOHN DI CIO, Norristown, Pa. Filed Apr. 12, 1927.

Chemibocker

Particular description of goods.—Undergarment for Women, a Combination Article of Ladies' Underwear Comprising a Union of the So-Called Chemise, Vest, and the Knickerbocker or Bloomer, all Made Up in One Piece of Knitted and Textile Fabric.
Claims use since Jan. 13, 1927.

Ser. No. 247,959. MCADOO & ALLEN WELTING CO., Quakertown, Pa. Filed Apr. 25, 1927.

W.S

Particular description of goods.—Leather Welting.
Claims use since about 1895.

Ser. No. 248,011. A. I. NAMM & SON, Brooklyn, N. Y. Filed Apr. 26, 1927.

KENTSHIRE

Particular description of goods.—Men's and Boys' Shoes of Leather, Calfskin, Kid; Slippers of Leather, Felt, and Wool; Leather and Wool Gloves; Leggings, Overgaiters, and Spats; Suits, Overcoats, Bath Robes, Beach Robes, House Robes, Bathing Suits, Hats, Caps, Sweaters, Sweater Jackets; Underwear of Knitted, Netted, and Textile Fabrics; Ties, Pyjamas, Collars, Mufflers, Stockings, and Socks.
Claims use since Mar. 8, 1927.

Ser. No. 248,541. WEISMAN BROTHERS, New York, N. Y. Filed May 5, 1927.

STEP-AWAY-SLIP

Applicant disclaims the word "Slip" apart from the mark shown on the drawing.
Particular description of goods.—Women's Clothing and Underwear—Namely, Petticoats, Bloomers, Bodices, Gowns, Chemises, Slips, and Pyjamas.
Claims use since Feb. 2, 1925.

Ser. No. 249,556. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed May 25, 1927.

SO-LITE

Particular description of goods.—Boots and Shoes of Rubber or Rubber and Fabric.
Claims use since 1905.

Ser. No. 249,569. BULLOCK'S, Los Angeles, Calif. Filed May 26, 1927.

Liana Bullock's

Applicant disclaims the right to the exclusive use of the surname "Bullock's."
Particular description of goods.—Women's and Misses' Apparel—Namely, Coats, Suits, Dresses, Outer and Under Skirts, Blouses, Hosiery, Corsets; Lingerie—Namely, Nightgowns, Slips, Step-Ins, Petticoats, Bloomers, Vests, Bandeaux, and Chemises; Neckwear—Namely, Ties, Scarfs, Collars, and Vestees; Gloves Made of Leather, Kid, Silk, and Fabric; Shoes Made of Leather, Canvas, and Satin.
Claims use since Feb. 15, 1926.

Ser. No. 249,576. EAGLE WASH SUIT CO. INC., New York, N. Y. Filed May 26, 1927.

STURDIKNIT

Applicant disclaims the use of the word "Knit" apart from the mark shown in the drawing.
Particular description of goods.—Boys' and Girls' Wash Suits.
Claims use since Feb. 15, 1927.

Ser. No. 249,721. GREENBERG & TARNOFF, New York, N. Y. Filed May 28, 1927.

Benmo SQUIRREL CONEY

No claim is made to the words "Squirrel" and "Coney" apart from the mark shown on the drawing.
Particular description of goods.—Ladies' and Misses' Fur Coats.
Claims use since Feb. 1, 1927.

Ser. No. 249,752. THE RENFRO HOSIERY MILLS, INC., Mount Airy, N. C. Filed May 28, 1927.

Toxy  Hosiery

The word "Hosiery" is disclaimed apart from the other features of the mark shown in the drawing.
Particular description of goods.—Children's Hosiery.
Claims use since April, 1925.

Ser. No. 249,794. DAMECELLA HOGE, Chicago, Ill. Filed May 31, 1927.



The words "Model by" and "Chicago" are disclaimed apart from the mark shown on the drawing. The portrait appearing in the drawing is merely a fanciful picture.
Particular description of goods.—Ladies' and Girls' Hats.
Claims use since Jan. 10, 1926.

Ser. No. 249,838. CEDAR GROVE SHOE MFG. CO., Cedar Grove, Wis. Filed June 1, 1927.

FITOES

Particular description of goods.—Shoes of Leather, Rubber, and Fabric.
Claims use since May 1, 1927.

Ser. No. 250,035. M. A. PACKARD COMPANY, Brockton, Mass. Filed June 4, 1927. Under 10-year proviso.

Packard

Applicant owns registration No. 50,551.
Particular description of goods.—Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since about Apr. 1, 1889.

Ser. No. 250,058. BARON & BARON, Kendal, England. Filed June 6, 1927.

B AND BK

Particular description of goods.—Cardigan Jackets and Scarfs for Men and Women; Wrap Coats, Jumpers, and Coats for Women, and Waistcoats and Pull-Overs for Men, all Made of Knitted Material.
Claims use since Nov. 10, 1926.

Ser. No. 250,097. RUBENS & MARBLE INC., Chicago, Ill. Filed June 6, 1927.

HEM BAND

No claim is made to the representation of the goods or to the words "Hem Band" apart from the mark shown on the drawing.
Particular description of goods.—Underwear—Namely, Infants' Bands.
Claims use since Apr. 1, 1927.

Ser. No. 250,576. STAR KNITTING MILLS, INC., New York, N. Y. Filed June 15, 1927.

"LUCKY" LINDY



The word "Lindy" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Sweaters, Mufflers, and Necktles.
Claims use since May 26, 1927.

Ser. No. 250,597. BENJAMIN BUDNITSKY, doing business as Champion Shirt Co., New York, N. Y. Filed June 16, 1927.



CHAMPION

Particular description of goods.—Boys' Shirts and Blouses and Men's Dress, Work, and Negligee Shirts With Attached or Detachable Collars, Made of Cotton, Wool, Silk, Artificial Silk, and Combinations of Said Materials.
Claims use since October, 1922.

Ser. No. 250,747. HALL, HARTWELL & CO. INC., Troy, N. Y. Filed June 18, 1927.

£ STERLING

Particular description of goods.—Collars, Dress, Negligee, and Work Shirts and Cuffs.
Claims use since 1885.

Ser. No. 250,939. RED WING SHOE COMPANY, Red Wing, Minn., and Dallas, Tex. Filed June 22, 1927.

The Billy Boot
"BEST UNDER THE SON"

Applicant disclaims the right to the exclusive use of the words "Boot" and "Best," except as associated with the mark shown. The drawing is lined to indicate the color red.
Particular description of goods.—Leather Shoes.
Claims use since June 16, 1927.

Ser. No. 250,984. EFFIE M. DAY, El Paso, Tex. Filed June 23, 1927.

LINDY OVERLAND

Particular description of goods.—Out-Door Sport Clothes Generally—Namely, Sports Dresses, Knickers for Women and Misses, Sweaters, Pyjamas, and Wool Hose.
Claims use since May 12, 1927.

Ser. No. 251,042. MIAMI GARMENT COMPANY, Miami, Fla. Filed June 24, 1927.

MIAMI MAID

Particular description of goods.—Ladies' Cotton Print Wash Dresses, Ladies' Fancy Organdy Dresses, Ladies' Silk Dresses, Children's Cotton Printed Dresses, Children's Cotton Print Rompers, Children's Silk Dresses, and Ladies' Cotton Uniforms.
Claims use since June 15, 1926.

Ser. No. 251,140. INTERNATIONAL CORSET COMPANY, Aurora, Ill. Filed June 25, 1927.

The Co-ed

Particular description of goods.—Combination Corsets and Brassières.
Claims use since June 15, 1927.

Ser. No. 251,205. J. J. PREIS & COMPANY, New York, N. Y. Filed June 27, 1927.

COURT ROYAL
Authentic Style

No claim is made to the exclusive use of the words "Authentic Style" appearing on the drawing separate and apart from the other features of the mark.
Particular description of goods.—Young Men's and Students' Suits Consisting of Coats, Vests, Trousers, and Knickerbockers; and Young Men's and Students' Overcoats.
Claims use since June 1, 1927.

Ser. No. 251,283. RICH-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed June 29, 1927.

DOMINO

Particular description of goods.—Bath Robes and Lounging Robes.
Claims use since June 22, 1927.

Ser. No. 251,299. CUSHMAN-HOLLIS COMPANY, Auburn, Me. Filed June 29, 1927.

VERIPED

Particular description of goods.—Shoes of Leather and Fabrics or Combinations Thereof.
Claims use since May 9, 1927.

Ser. No. 251,337. L. GREIF & BRO. INCORPORATED, Baltimore, Md. Filed June 30, 1927.

EXTENSO

Particular description of goods.—Topcoats, Overcoats, Coats, Vests, Trousers, and Knickerbockers for Men, Youths, and Boys.
Claims use since May 15, 1927.

Ser. No. 251,341. JAY THORPE, INC., New York, N. Y. Filed June 30, 1927.

Etoile

Particular description of goods.—Hosiery.
Claims use since May 4, 1927.

Ser. No. 251,356. I. MITTELMAN & Co., INC., New York, N. Y. Filed June 30, 1927.

Pride of the South

Trade-Mark consists of the words "Pride of the South."
Particular description of goods.—Dresses.
Claims use since June 11, 1927.

Ser. No. 251,358. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed June 30, 1927.

PAY DAY

Particular description of goods.—Men's and Boys' Hats and Caps.
Claims use since Apr. 23, 1927.

Ser. No. 251,361. PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed June 30, 1927.

Pinnet

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1927.

Ser. No. 251,423. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed July 2, 1927.

WARMSTER

Particular description of goods.—Comfort Slippers Made of Felt.
Claims use since Oct. 5, 1926.

CLASS 40.

FANCY GOODS, FURNISHINGS, AND NOTIONS.

Ser. No. 186,095. ABRAHAM & STRAUS, INC., New York, N. Y. Filed Sept. 24, 1923.

A. & S. Subway Store

BROOKLYN'S
BEST BARGAINS

"Subway Store, Brooklyn's Best Bargains" being disclaimed apart from the mark as shown.
Particular description of goods.—Braids, Tapes for Clothing and Dresses, Bindings, Hand Sewing Needles, Pins and Hairpins of Nonprecious Metal, Ivory, Bone, Rubber, and Base-Metal Buttons, Hooks and Eyes, Collar Bands, Ruchings, Combs of Nonprecious Metal, Pin Cushions, Dress Shields, Hatpins of Nonprecious Metal, Crochet Hooks, Corset Laces, Shoe Laces, Artificial Flowers, Aigrettes, Textile Material Stamped for Embroidery, Arm Bags of Ribbons, Unmounted Beaded Bags, Barrettes, and Bib Holders of Nonprecious Material, Embroidery Figures in the Nature of Appliqué, Flutings, Hair Switches, Tape, Thimbles (Not Made of Precious Metal), Nonelectric Hair Wavers, Dress Weights.
Claims use since Aug. 13, 1923.

CLASS 42.

KNITTED, NETTED, AND TEXTILE FABRICS.

Ser. No. 228,754. JAMES A. HEARN & SON, INC., New York, N. Y. Filed Mar. 17, 1926.



The trade-mark is in blue with white lettering. No claim is made to the exclusive use of the words "New York," "Sheets," "Cases," and "Sheeting," and "Soft Spun" apart from the mark as shown in the drawing.
Particular description of goods.—Cotton Piece Goods—Viz, Sheets, Sheetings, Pillowcases, Ticking, Mattress Covers, Diapers, and Diaper Cloth.
Claims use since 1895.

Ser. No. 239,221. ABRAHAM & STRAUS, INC., New York, N. Y. Filed Oct. 26, 1926.

Victoria

Particular description of goods.—Hair Nets.
Claims use since about 1922.

Ser. No. 247,770. H. W. BAKER LINEN CO., New York, N. Y. Filed Apr. 21, 1927.



Particular description of goods.—Napkins, Table Tops, Tablecloths, Tray Covers, Bureau Scarfs, All of Linen.
Claims use since 1916.

Ser. No. 248,075. WITCOMBE, MCGEACHIN & Co., New York, N. Y. Filed Apr. 27, 1927.

THE "MASTER WEAVER"

Exclusive right to the word "The" is disclaimed apart from the association shown.
Particular description of goods.—Hand Tufted Rugs.
Claims use since Feb. 16, 1927.

Ser. No. 248,763. FAUVARQUE CORDAY, INC., New York, N. Y. Filed May 10, 1927.

CREPE BALLERINE

No claim is made to the exclusive use of the word "Crepe" apart from the mark shown in the drawing.
Particular description of goods.—Sheer Woolen Crepe in the Piece.
Claims use since Apr. 22, 1927.

Ser. No. 250,417. NOVELTY KNITTING COMPANY, Cohoes, N. Y. Filed June 11, 1927. Under 10-year proviso.

THOSE Arnold KNIT GOODS

Particular description of goods.—Crib Sheets, Pillowcases, and Knit Jersey Fabrics in the Piece.
Claims use since 1890.

Ser. No. 251,165. M. C. D. BORDEN & SONS, INC., New York, N. Y. Filed June 27, 1927.

BRIGHTRAY

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 2, 1927.

Ser. No. 251,258. CAMBRIDGE TEXTILE CO. INC., New York, N. Y. Filed June 29, 1927.

Prestige

Particular description of goods.—Cotton Fabrics in the Piece.
Claims use since June 15, 1927.

Ser. No. 251,437. EMPIRE SILK COMPANY, New York, N. Y. Filed July 2, 1927.

Wee-Pah

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 30, 1927.

Ser. No. 251,440. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 2, 1927.

CHAMOVELLE

Particular description of goods.—Piece Goods Made of Silk, Cotton, and Wool.
Claims use since May 27, 1927.

Ser. No. 251,486. CHENANGO TEXTILE CORPORATION, Binghamton, N. Y. Filed July 5, 1927.

B-135

Particular description of goods.—Broad Silks in the Piece.
Claims use since 1922.

Ser. No. 252,287. MONMOUTH MILLS, INC., New York, N. Y. Filed July 19, 1927.

SILVA-GARD

Particular description of goods.—Cotton Textile Fabrics.
Claims use since June 16, 1927.

Ser. No. 252,353. THE SPIRELLA COMPANY INCORPORATED, Niagara Falls, N. Y. Filed July 20, 1927.

Spirella

Particular description of goods.—Rayon, Crêpe de Chine, Batiste, Coutil, Jean, Broché, and Brocaded Satin.
Claims use since July 8, 1927.

Ser. No. 252,397. DAVID ROTHSCHILD & Co., Columbus, Ga. Filed July 21, 1927.

TRUWEAR

Particular description of goods.—Knitted, Netted, or Textile Fabrics Composed of Cotton, Linen, Woolen, Silk, Rayon, Artificial Silk, or Mixtures of Any of Above Fabrics; Towels, Wash Rags, Sheets, Pillowcases, Bedspreads, Blankets, Tablecloths, and Napkins.
Claims use since Jan. 17, 1925.

CLASS 43.

THREAD AND YARN.

Ser. No. 251,481. BELDING HEMINWAY COMPANY, New York, N. Y. Filed July 5, 1927.

EAGLE

Particular description of goods.—Silk Twist.
Claims use since about June 20, 1902.

Ser. No. 252,503. COLLINGBOURNE MILLS, INC., Elgin, Ill. Filed July 25, 1927.

"SEWINSIL"

Particular description of goods.—Thread and Yarn Made of Cotton, Silk, Jute, Flax, Linen, Wool, Artificial Silk, and Ramie.
Claims use since July 1, 1927.

CLASS 44.

DENTAL, MEDICAL, AND SURGICAL APPLIANCES.

Ser. No. 246,215. LOUIS J. MANAR, St. Louis, Mo. Filed Mar. 23, 1927.

-INDIAN MOCCASIN-

Particular description of goods.—Corn-Protector Pads.
Claims use since Jan. 25, 1927.

Ser. No. 250,008. ARROW SUPPLY & IMPORTING CO., New York, N. Y. Filed June 4, 1927.

ARROW

Particular description of goods.—Articles Exclusively Used for Dental Purposes—Namely, Pliers, Tweezers, Tongs, Broach Holders, Bench Filing Blocks, Steel Matrix Band Material, Copper Matrix Band Material, Air Chamber Metal, Vulcanite Scrapers, Vulcanite Chisels, Emery-Band Arbors, Emery-Cloth Bands, Napkin Holders, Plate Polish, Laboratory Knives, Steel Spatulas, Ribbon Saws, Mechanical Saws, Scissors, Swivel Impression Trays, Aluminum Impression Trays, Files for Metal and Vulcanite, Flasks, Flask Presses, Fusible-Metal Clasp and Plate Brushes, Laboratory Brushes, Articulators, Burners, Blowpipes, Engine Belts, Preparation Bottles, Medicine Bottles, Dappens Cups, Cotton Holders, Rubber-Dam Holders, Porcelain Casseroles, Mortars and Pestles, Saw Frames, Soldering Blocks (Asbestos), and Soldering Blocks (Charcoal).
Claims use since July 21, 1921.

Ser. No. 251,887. CALEDONIA CELLULOSE COMPANY, INC., New York, N. Y. Filed July 12, 1927.

NUNAPS

Particular description of goods.—Sanitary Napkins.
Claims use since February, 1926.

CLASS 45.

BEVERAGES, NONALCOHOLIC.

Ser. No. 247,427. JOHN GINOCCHIO, Chicago, Ill. Filed Apr. 14, 1927.

BLUE RIBBON

Particular description of goods.—Mineral Water.
Claims use since July 1, 1916.

Ser. No. 251,452. JAMES J. PEEK, Dallas, Tex. Filed July 2, 1927.

Rye-Ola

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink and Sirup, Extract, Concentrate, and Flavor for Making the Same.
Claims use since Sept. 1, 1905.

Ser. No. 251,669. HUNTSVILLE CHERO-COLA BOTTLING CO., Huntsville, Ala. Filed July 8, 1927.

MARVEL

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Chocolate and Vanilla Flavored Beverages, Not Carbonated.
Claims use since June, 1926.

Ser. No. 251,671. KENTUCKY PARFAY COMPANY, Louisville, Ky. Filed July 8, 1927.

KENCO

Particular description of goods.—Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Viz, Root Beer, Ginger Ale, Lemon, Cherry, Grape, Lemon Sour, Orange, Strawberry, and Peach Flavors.
Claims use since May, 1925.

CLASS 46.

FOODS AND INGREDIENTS OF FOODS.

Ser. No. 198,392. WELSH PACKING CO., Springfield, Mo. Filed June 10, 1924.

WELPACO

Particular description of goods.—Brick Chili (Chile Con Carne), Lard, Oleomargarine, Cheese, Bone Meal, and Tankage.
Claims use since May, 1922.

Ser. No. 218,934. THE TIMES PRESERVING COMPANY LIMITED, Newcastle-on-Tyne, England, assignor to Angus Watson & Co. America; Limited, San Francisco, Calif., a Corporation of California. Filed Aug. 15, 1925.



Without waiving its common-law rights applicant disclaims the words "Packed in Pure Olive Oil," "Fish Guaranteed Caught in Season," "Specially Packed for This Market," "Practically Boneless and Without Scales," "Norwegian," and "Silver Sild" apart from mark shown.
Particular description of goods.—Canned Norwegian Silver Sild.
Claims use since July 1, 1911.

Ser. No. 224,079. CHARROW BROTHERS, Philadelphia, Pa. Filed Dec. 2, 1925.



Particular description of goods.—Canned Fruits, Canned Vegetables, Pickles, Catchup, Pickle Relish, Canned Pork and Beans, Pepper Mayonnaise Dressing, Mustard, Mincemeat, Apple Butter, Bread, and Cakes, Bottled Olives, Pickled Onions, Apple-Cider Vinegar, Sweet Gherkins, Canned Salmon, and Canned Sauerkraut.
Claims use since June, 1924.

Ser. No. 230,676. LIFE SAVERS, INC., Port Chester, N. Y. Filed Apr. 24, 1926.

LIFE SAVERS
SALVANOS

Particular description of goods.—Candy.
Claims use since about Apr. 13, 1926.

Ser. No. 234,689. HELEN ARDELLE CANDY COMPANY, Seattle, Wash. Filed July 19, 1926.

Thoughts

Particular description of goods.—Candy.
Claims use since Jan. 1, 1921.

Ser. No. 235,183. A. N. TANDY & SONS, Brownsville, Tex. Filed July 26, 1926.



No claim is made to the word "Brand" apart from the other features of the mark shown on the drawing.
Particular description of goods.—Fresh Potatoes.
Claims use since April, 1919.

Ser. No. 235,705. FILOMENO PELUSIO, doing business as Eastern Food Products Co., Newark, N. J. Filed Aug. 7, 1926.



The lining on the drawing being shading only.

Particular description of goods.—Sauce Containing Meat for Use with Spaghetti and Vegetables.

Claims use since Oct. 25, 1925.

Ser. No. 239,781. WYANDOTTE OLIVE GROWERS ASSOCIATION, Oroville, Calif. Filed Nov. 6, 1926.

Feather River

Particular description of goods.—Canned Olives.

Claims use since July 6, 1926.

Ser. No. 240,326. WILLIAM WARREN, Portland, Oreg. Filed Nov. 19, 1926.

CINDERELLA

Particular description of goods.—Spaghetti, Butter, Canned Spinach, Canned Sauerkraut, Citrous Peel, Evaporated Pears, Evaporated Apples, Raisins, Corn Flakes, Salad Dressing, Brazil Nuts, Almonds, Peanuts and Walnuts in Natural Condition and Salted in Tins or Glass, Pectin, Orange Peel, Cinnamon, Ginger Tea, Canned String Beans, Canned Tunny, Canned Lobster, Canned Corn, Canned Sweet Potatoes, Canned Pimentos, Canned Salmon, Molasses, Canned Fruit Preserves, Paprika, Mustard, Cloves, Allspice, Coffee, Pepper, Canned Kidney Beans, Canned Shrimp, Canned Oysters, Canned Hominy, Canned Pumpkin, Canned Sardines, Canned Tomatoes, Sweetened and Shredded Coconut Canned, Vanilla and Lemon Extract Used for Flavoring Purposes for Foods, Canned Jams, Canned Mincemeat, Nutmeg, Canned Olives, Canned Asparagus, Canned Crab Meat, Canned White Beans, Blackberries, Strawberries, Beets, Fruit Salad and Pineapple Canned in Tins and Glass, Figs, Dates, Evaporated Apricots, Rice, Canned Clams, Maple Sirup, Cheese, Lemon Peel, Bird Seed, Canned Pickles, Canned Cherries, Canned Vermicelli, Canned Honey, Canned Apples, Canned Evaporated Milk, Canned Grapefruit, Prunes, Pears, and Peaches in Cans and Glasses, Mayonnaise, Catchup, Macaroni, Eggs, Canned Vegetable Salad, Canned Peas, Peanut Butter, Marmalade and Jellies in Cans and Glasses, Canned Apple Butter, Canned Raspberries, Canned Loganberries, Canned Apricots, Canned Horseradish, and Potato Chips in Packages.

Claims use since Aug. 1, 1926.

Ser. No. 242,154. TANGERMÜNDER KONSERVEN- UND SCHOKOLADENFABRIKEN FR. MEYER & CO., Tangermünde, Germany, assignor to Zuckerraffinerie Tangermünde Fr. Meyers Sohn, Aktiengesellschaft, Tangermünde, Germany, a Corporation of Germany. Filed Dec. 29, 1926.

Falter

Particular description of goods.—Preserved Fruit, Jams, Candied Fruit, Cocoa, Chocolate, Candies.

Claims use since Feb. 18, 1924.

Ser. No. 247,227. THE TIEDTKE BROTHERS DEPARTMENT STORES COMPANY, Toledo, Ohio. Filed Apr. 9, 1927.



The words 'Better Teas From Tiedtkes," "Super Quality Cup Tested," "Our Direct Importation of," and "Net Weight Half Pound," and the lining for color shown in the drawing.

Particular description of goods.—Tea.

Claims use since Jan. 1, 1905.

Ser. No. 247,413. JUSTIN COUDERC, doing business as J. Couderc & Cie., Roquefort, France. Filed Apr. 14, 1927.

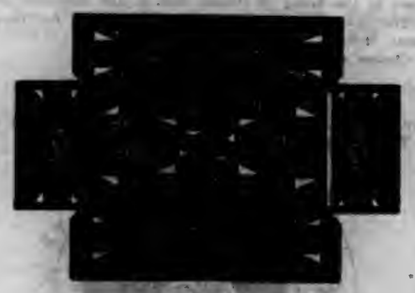


The words "Roquefort" and "Surcholx" being disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Cheese.

Claims use since Jan. 3, 1909.

Ser. No. 247,590. H. BAHLSEN'S KEKSFABRIK AKTIENGESELLSCHAFT, Hanover, Germany. Filed Apr. 18, 1927.



The word "Hannover" is disclaimed apart from the mark shown. The lining shown in the drawing is used to describe the variegated colors blue, red, yellow, and gray.

Particular description of goods.—Yeast Powder for Making Puddings, Cream Ice, Fruit Ice, Cocoa, Cocoa Powder and Cake, Extracts of Cocoa, Chocolate, Sweetmeats, and Confectionery—Namely, Filled or Unfilled Bonbons, Pralines, Stick Candy, Sugar Creams, Sugar Almonds, Roasted Nuts Coated with Chocolate, Marchpane, Substitutes of Marchpane, Pastry Paste for Stuffing and Baking Chocolate Articles, and Confectionery for the Christmas Tree; Baker's and Confectioner's Articles—Namely, Cakes, Biscuits, and Zwiback.

Claims use since March, 1926.

Ser. No. 247,612. FAIR PLAY CARAMELS, INC., Johnson City, N. Y. Filed Apr. 18, 1927.



Particular description of goods.—Candy.

Claims use since Apr. 4, 1927.

Ser. No. 247,791. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y. Filed Apr. 21, 1927.

"Fro-joy"

The drawing is lined to indicate shading.

Particular description of goods.—Ice Cream and Ices.

Claims use since Dec. 1, 1925.

Ser. No. 247,792. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y. Filed Apr. 21, 1927.



The drawing is lined for shading.

Particular description of goods.—Ice Cream and Ices.

Claims use since Dec. 1, 1925.

Ser. No. 248,718. C. W. PERSHALL & SONS, doing business as Tri-City Grocery Co., and Tri-City Packing Co., Granite City, Woodriver, Venice, and Edwardsville, Ill. Filed May 9, 1927.

C.W.

Particular description of goods.—Whole and Ground Spice, Prepared Mustard, Salad Oils, Pepper Sauce, Corn Starch, Wheat Flour, Jellies, Marmalade, Breakfast Cereals, Salad Dressing, Olives, Cottonseed Oil for Cooking Purposes; Flavoring Extracts for Food; Butter, Lard, Pepper, Nutmeg, Mustard, Noodles, and Varieties Thereof Called Alimentary Paste Goods; Stuffed Olives, Buckwheat Flour, Crackers, Cakes, Graham Flour, Spaghetti, Macaroni, Vermicelli, Bread, Ice Cream, Ices, Cherry Bar, Nougat Bar, Candy, Salted Peanuts, Salted Nuts, Honey, Chewing gum, Gelatin, Maple Sirup, Sirup for Food, Molasses, Apple Butter, Dried Fruits, Biscuits, Oleomargarine, Cantaloupes, Fruit Confections of Various Flavors, Pop-Corn Confections, Meringue, Rye Meal, White-Corn Meal, Yellow-Corn Meal, Rye Flour, Rice, Allspice, Mayonnaise Dressing, Fruit Preserves, Chili Sauce, Sandwich Spread Formed of Sugar, Eggs, Spices, Corn Oil, Vinegar, Pickles, and Ham or Roast Beef; Prepared Horse-radish, Dried Vegetables, Poultry and Stock Foods, Jams, Peanut Butter, Pickles, Canned Pimiento, Canned Okra, Canned Vegetable Salad, Canned Sweet Potatoes, Canned Beans, Canned Pork and Beans, Canned Beets, Canned Soups, Canned Tunny, Canned Grapefruit, Canned Pineapple, Canned Fruit Salad, Canned Clams, Canned Crab Meat, Canned Shrimp, Canned Grapes, Canned Rhubarb, Canned Apples, Canned Pears, Canned Prunes, Canned Plums, Canned Gooseberries, Canned Cherries, Canned Apricots, Canned Raspberries, Canned Strawberries, Canned Loganberries, Canned Blackberries, Canned and Loose Sauerkraut, Pancake Flour, Self-Raising Flour, Evaporated Milk, Mincemeat; Prepared Luncheons Comprising Meat, Vegetable and Cheese Sandwiches, and Cheese of Various Kinds.

Claims use since January, 1921.

Ser. No. 248,866. SWIFT AND COMPANY, Chicago, Ill. Filed May 11, 1927.



The words "Mount Vernon" are disclaimed apart from the other features of the mark.

Particular description of goods.—Sausage.

Claims use since Jan. 27, 1927.

Ser. No. 249,025. SALTSHELL NUT COMPANY, INC., New York, N. Y. Filed May 14, 1927.



Particular description of goods.—Assorted Nuts in Natural, Salted, Roasted, and Candied State.

Claims use since May 10, 1927

Ser. No. 249,192. PROTEX PRODUCTS CORPORATION, Baltimore, Md. Filed May 18, 1927.

Protex

Particular description of goods.—Paste Compound Used in the Icing of Cakes, and in the Manufacture of Confectionery and Other Similar Products, for Keeping Same Moist.

Claims use since Mar. 17, 1927.

Ser. No. 249,634. BAY CITY CANNING COMPANY, Bay City, Tex. Filed May 27, 1927.



Particular description of goods.—Canned Chile Con Carne.

Claims use since October, 1926.

Ser. No. 249,643. THE D & C CO. INC., New York, and Brooklyn, N. Y. Filed May 27, 1927.

D&C

Particular description of goods.—Pie Filling and Self-Raising Flour for Cakes, Pies, Biscuits, and Pastry.

Claims use since December, 1910.

Ser. No. 250,607. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y. Filed June 16, 1927.

COMPANOL

Particular description of goods.—Food Preparation Comprising an Entire-Wheat Extract Presenting Active Principles, and Particularly Vitamin-Rich Fat and Lipoid, Adapted to Compensate for Deficiency of Such Elements in Ordinary Food Such as White Flour and Highly-Refined Cereal Foods.

Claims use since Apr. 29, 1927.

Ser. No. 250,608. THE FARMERS BONDED WAREHOUSE COMPANY, Burley, Idaho. Filed June 16, 1927.



No claim is made to the words "Premium Pack" apart from the other features of the mark.

Particular description of goods.—Potatoes in a Natural State.

Claims use since Mar. 1, 1927.

Ser. No. 250,627. LION SPECIALTY CO., Chicago, Ill. Filed June 16, 1927.

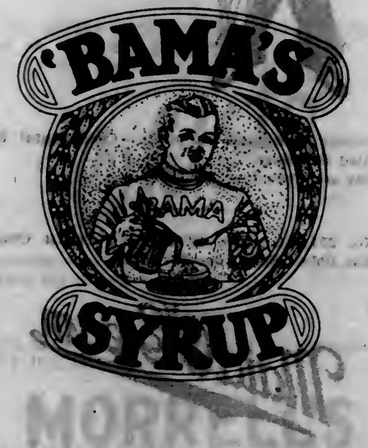


The drawing is lined for blue and yellow. No claim is made to "Bar" or to the representation of an aeroplane, except a monoplane, apart from the other features as applied to candy and candy bars.

Particular description of goods.—Candy and Candy Bars.

Claims use since Mar. 25, 1927.

Ser. No. 250,654. TUSCALOOSA SYRUP CO., INC., Tuscaloosa, Ala. Filed June 16, 1927.



No claim is made to the word "Syrup" apart from the mark shown in the drawing.

Particular description of goods.—Table Sirup.

Claims use since Nov. 6, 1925.

Ser. No. 250,706. FANNY PETERSON, doing business as Ideal Orchards, Oroville, Wash. Filed June 17, 1927.

Fanny's Apple Maid FILLER

The word "Filler" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—A Transparent Apple Filler for Making Cakes, Candies, and Desserts.

Claims use since May 24, 1927.

Ser. No. 250,709. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill. Filed June 17, 1927.



PRICE'S TROPIKID

Particular description of goods.—Condimental Sauces and Salad Dressings.

Claims use since June 21, 1925.

Ser. No. 251,014. THE PUEBLO ICE CREAM COMPANY, Pueblo, Colo. Filed June 23, 1927.

Maid O'Cream

No claim is made to the word "Cream" aside from the mark shown in the drawing.

Particular description of goods.—Butter and Ice Cream.

Claims use since about Aug. 1, 1923, as applied to ice cream and about June 5, 1927, on butter.

Ser. No. 251,069. NEW YORK CANNERS, INC., Rochester, N. Y. Filed June 24, 1927.

PRESIDENT MADISON



Particular description of goods.—Canned Fruits, Canned Vegetables.

Claims use since February, 1901.

Ser. No 251,080. NEW YORK CANNERS, INC., Rochester, N. Y. Filed June 24, 1927.

PAUL JONES



The trade-mark consists of the name and portrait of the first famous American naval commander and hero of the American Revolution.

Particular description of goods.—Canned Fruits, Canned Vegetables.

Claims use since August, 1902.

Ser. No. 251,282. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa. Filed June 29, 1927.

GOOD AND PLENTY

Particular description of goods.—Candy.

Claims use since September, 1908.

Ser. No. 251,385. BREAKSTONE BROS. INC., New York, N. Y. Filed July 1, 1927.

TEMP-TEE

Particular description of goods.—Cheese, Butter, Eggs, Lard, Milk in Liquid and Powdered Form, Condensed Milk, Evaporated Milk, Buttermilk, and Cream.

Claims use since the 22d day of June, 1927.

Ser. No. 251,439. ARTHUR GONZALEZ, New York, N. Y. Filed July 2, 1927.

RIO RITA

Particular description of goods.—Dried Mexican Chick-Peas.

Claims use since June 15, 1927.

Ser. No. 251,547. MARION T. COWAN, Nashville, Tenn. Filed July 6, 1927.

MEMORIAM

Particular description of goods.—Pickles.

Claims use since on or about Jan. 1, 1927.

Ser. No. 251,599. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed July 7, 1927.

ASCO

Particular description of goods.—Sandwich Spreads, being a Combination of Eggs, Oil, Salt, Vegetables, and Spices.

Claims use since June, 1926.

Ser. No. 251,859. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Filed July 11, 1927.

TASTAY

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.

Claims use since Mar. 29, 1927.

Ser. No. 251,976. MT. KONOCTI FRUIT EXCHANGE, doing business as Lake County Fruit Exchange, Kelseyville, Calif. Filed July 13, 1927.

MT. KONOCTI

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears.

Claims use since July 1, 1926.

Ser. No. 252,060. PENICK & FORD LIMITED INCORPORATED, New Orleans, La. Filed July 14, 1927.



Golden Hill

Particular description of goods.—Corn Sirup and Sorghum Blend.

Claims use since Mar. 11, 1927.

Ser. No. 252,108. MUSKEGON COOPERATIVE CELERY GROWERS' ASSOCIATION, Muskegon, Mich. Filed July 15, 1927.

HIGH BALL

Particular description of goods.—Fresh Celery.

Claims use since June 28, 1927.

Ser. No. 252,136. WHITE-STOKES COMPANY, INC., Chicago, Ill. Filed July 15, 1927.

Whisto

Particular description of goods.—Glacé Fruit.

Claims use since Oct. 15, 1925.

Ser. No. 252,155. JOHN MORRELL & CO., Ottumwa, Iowa. Filed July 16, 1927.

MORRELL'S

Particular description of goods.—Hams, Bacons, Shoulders, and Lard.

Claims use since 1888.

Ser. No. 252,190. DAMEREL-ALLISON CO., Covina, Calif. Filed July 18, 1927.

HALF DOME

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges.
Claims use since June 24, 1927.

Ser. No. 252,209. KLINK CITRUS ASSOCIATION, Ivanhoe, Calif. Filed July 18, 1927.

PRIDE OF VENICE COVE

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 1, 1917.

Ser. No. 252,221. SAN JOAQUIN FRUIT CO., Stockton, Calif. Filed July 18, 1927.

Reputation

Particular description of goods.—Fresh Grapes.
Claims use since May 2, 1927.

Ser. No. 252,230. UNITED CONFECTIONERY CO., St. Louis, Mo. Filed July 18, 1927.

LUCKY BIRD

Particular description of goods.—Candy.
Claims use since Dec. 1, 1926.

Ser. No. 252,231. VALLEY AGRICULTURAL COMPANY, Fresno, Calif. Filed July 18, 1927.

GREAT VALLEY

Particular description of goods.—Fresh Grapes, Fresh Peaches.
Claims use since June 15, 1927.

Ser. No. 252,377. THE GREAT AMERICAN TEA CO., New York, N. Y. Filed July 21, 1927.

Celinrus

Particular description of goods.—Tea.
Claims use since April, 1903.

CLASS 48.

MALT BEVERAGES, EXTRACTS, AND LIQUORS.

Ser. No. 236,778. CARL SCHRÖDER, doing business as Wm. Schröder, Borgstede and Co., Bremen, Germany. Filed Sept. 1, 1926.

WHITE SISTER

Particular description of goods.— Malt Beverages.
Claims use since Nov. 24, 1925.

Ser. No. 251,827. FOREST HILLS COMPANY, doing business as Old Colony Brewing Co., Boston, Mass. Filed July 11, 1927.

Prince of Pilsen

Particular description of goods.—Malt Beverages and Extracts.
Claims use since June 28, 1926.

Ser. No. 251,899. V. FERA & SON, Lawrence, Mass. Filed July 12, 1927.

PONTIAC



Particular description of goods.—Malt Sirup.
Claims use since Jan. 15, 1927.

Ser. No. 252,214. (NATIONAL PRODUCTS COMPANY,) SOCIETA PRODOTTI NAZIONALI, INC., Los Angeles, Calif. Filed July 18, 1927.

LIBERTY BELL

Particular description of goods.—Malt Sirup, Malt-Sirup Hop Flavor.
Claims use since May 4, 1927.

Ser. No. 252,465. FOREST HILLS COMPANY, doing business as Old Colony Brewing Co., Boston, Mass. Filed July 23, 1927.

Old Colony

Particular description of goods.—Malt Beverages and Extracts.
Claims use since Mar. 5, 1896.

CLASS 50.

MERCHANDISE NOT OTHERWISE CLASSIFIED.

Ser. No. 239,914. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y. Filed Nov. 11, 1926.

ANCHOR

Particular description of goods.—Closure Caps for Food Containers.
Claims use since 1913.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 30, 1927.

231,805. MONTHLY PERIODICAL. THE CLEVELAND CHAMBER OF COMMERCE, Cleveland, Ohio.
Filed April 26, 1927. Serial No. 247,988. PUBLISHED JUNE 14, 1927. Class 38.

231,806. INTERNAL-COMBUSTION ENGINES AND STRUCTURAL PARTS THEREOF. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed April 25, 1927. Serial No. 247,978. PUBLISHED JUNE 21, 1927. Class 23.

231,807. RADIATORS FOR HEATING SYSTEMS, BUILDING TEMPERATURE CONTROL AND VENTILATING SYSTEMS, AND PARTS THEREOF. WINCHESTER REPEATING ARMS COMPANY, New Haven, Conn.
Filed April 23, 1927. Serial No. 247,920. PUBLISHED JUNE 21, 1927. Class 34.

231,808. CHEWING GUM. VAL BLATZ BREWING COMPANY, Milwaukee, Wis.
Filed April 23, 1927. Serial No. 247,916. PUBLISHED JUNE 14, 1927. Class 46.

231,809. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. JOSEPH LOUIS REED, doing business as Reerobee Syrup and Bottling Factory, Waco, Tex.
Filed April 22, 1927. Serial No. 247,868. PUBLISHED MAY 31, 1927. Class 45.

231,810. POWDER PUFFS. WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill.
Filed April 21, 1927. Serial No. 247,836. PUBLISHED JUNE 21, 1927. Class 29.

231,811. MALT AND HOPS COMPOUND. REED BIRD MALT AND HOPS COMPANY, Baltimore, Md.
Filed April 21, 1927. Serial No. 247,819. PUBLISHED JUNE 21, 1927. Class 48.

231,812. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. E. L. HUSTING CO., Milwaukee, Wis.
Filed April 21, 1927. Serial No. 247,794. PUBLISHED JUNE 7, 1927. Class 45.

231,813. PUMPS. THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio.
Filed April 21, 1927. Serial No. 247,783. PUBLISHED JUNE 14, 1927. Class 23.

231,814. PALE DRY GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. FORT DODGE BOTTLING WORKS, Fort Dodge, Iowa.
Filed April 20, 1927. Serial No. 247,733. PUBLISHED MAY 31, 1927. Class 45.

231,815. SHOE PATTERNS. LAWRENCE J. EWING, Haverhill, Mass.
Filed April 19, 1927. Serial No. 247,682. PUBLISHED JUNE 21, 1927. Class 26.

231,816. MACHINE TOOLS AND EQUIPMENT—VIZ, PISTON-ALIGNING JIGS, BEARING MANDRELS, CONNECTING-ROD-BORING MACHINES, BEARING-BABBITTING JIGS, MAIN-BEARING LINE-BORING MACHINES, AND VALVE-RESEATING TOOLS. COX CYLINDER WORKS, Oakland, Calif.
Filed April 19, 1927. Serial No. 247,675. PUBLISHED JUNE 21, 1927. Class 23.

231,817. SOAP. THE PALMOLIVE-PEET COMPANY, Chicago, Ill.
Filed April 18, 1927. Serial No. 247,633. PUBLISHED JUNE 14, 1927. Class 4.

231,818. PRODUCT COMPOSED OF STEEL WOOL AND SOAP FOR CLEANSING, SCOURING, AND POLISHING. THE DIRT-KUT COMPANY, Springfield, Ohio.
Filed April 18, 1927. Serial No. 247,601. PUBLISHED JUNE 14, 1927. Class 4.

231,819. SWAGES AND SWAGE SHAPERS. E. C. ATKINS & COMPANY, Indianapolis, Ind.
Filed April 18, 1927. Serial No. 247,589. PUBLISHED JUNE 14, 1927. Class 23.

231,820. LARD. OTTO STAHL, INC., New York, N. Y.
Filed April 16, 1927. Serial No. 247,563. PUBLISHED JUNE 21, 1927. Class 46.

231,821. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FRUIT-JUICE FLAVORS FOR MAKING THE SAME. ROY GOODWIN, doing business as Consolidated Beverage Producers, Wilmette, Ill.
Filed March 26, 1927. Serial No. 246,400. PUBLISHED JUNE 7, 1927. Class 45.

231,822. CLOTHES WRINGERS. THE COFFIELD WASHER CO., Dayton, Ohio.
Filed March 28, 1927. Serial No. 246,466. PUBLISHED JUNE 21, 1927. Class 24.

231,823. RADIO DETECTING, RECTIFYING, AND AMPLIFYING TUBES. ARCTURUS RADIO COMPANY, New York, N. Y.
Filed March 29, 1927. Serial No. 246,527. PUBLISHED MAY 31, 1927. Class 21.

231,824. PICKLES, CHOWCHOW, AND RELISH COMPOSED OF CHOPPED PICKLES, SUGAR, SPICES, AND SPICE OILS. W. & W. PICKLE AND CANNING CO., Montgomery, Ala.
Filed March 29, 1927. Serial No. 246,567. PUBLISHED JUNE 14, 1927. Class 46.

231,825. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed March 30, 1927. Serial No. 246,589. PUBLISHED JUNE 21, 1927. Class 42.

231,826. TABLE SIRUPS AND FOOD-FLAVORING EXTRACTS AND HOUSEHOLD FRUIT SIRUPS FOR USE AS SAUCES FOR PUDDINGS AND OTHER DESSERTS. THE SEARS & DEBR COMPANY, Chillicothe, Ohio.
Filed March 30, 1927. Serial No. 246,638. PUBLISHED JUNE 14, 1927. Class 46.

231,827. CANNED FRUITS, CANNED VEGETABLES, CANNED TOMATOES WITH PURÉE, HONEY, MAYONNAISE DRESSING, RIPE OLIVES, SOLID-PACK CANNED TOMATOES, JAMS, AND OLIVE OIL. SUNICAL PACKING COMPANY, San Francisco, Calif.
Filed March 30, 1927. Serial No. 246,645. PUBLISHED JUNE 14, 1927. Class 46.

231,828. A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GEORGE W. BARTON, San Diego, Calif.
Filed March 31, 1927. Serial No. 246,658. PUBLISHED MAY 24, 1927. Class 45.

231,829. SPONGE BASKETS, COMBINATION SPONGE BASKETS AND SOAP TRAYS, SOAP DISHES, TOOTHBRUSH AND TOOTH PASTE HOLDERS, TUMBLER HOLDERS, AND TOILET-PAPER HOLDERS. UTILITY MANUFACTURING COMPANY INC., Baltimore, Md.
Filed March 31, 1927. Serial No. 246,723. PUBLISHED JUNE 21, 1927. Class 13.

231,830. RADIOTRANSFORMERS, RADIO RECEIVING SETS, LOUD SPEAKERS AND UNITS, TUNING UNITS, PLUGS, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed April 1, 1927. Serial No. 246,742. PUBLISHED MAY 31, 1927. Class 21.

231,831. HOSIERY. A. V. VICTORIUS & COMPANY, New York, N. Y.
Filed April 1, 1927. Serial No. 246,791. PUBLISHED MAY 31, 1927. Class 39.

231,832. PICKLES, CHOWCHOW, AND RELISH COMPOSED OF CHOPPED PICKLES, SUGAR, SPICES, AND SPICE OILS. W. & W. PICKLE AND CANNING Co., Montgomery, Ala.
Filed April 2, 1927. Serial No. 246,864. PUBLISHED JUNE 14, 1927. Class 46.

231,833. PASTE PAINTS AND READY-MIXED PAINTS, VARNISH, LACQUER, AND PAINT ENAMEL. ELKHART ENAMEL & PAINT CORPORATION, Elkhart, Ind.
Filed April 4, 1927. Serial No. 246,892. PUBLISHED JUNE 21, 1927. Class 16.

231,834. VIBRATING INDUCTION COIL USED EXCLUSIVELY FOR THERAPEUTIC PURPOSES. THOMAS I. POTTER, doing business as The Oregon Inducton Co., Portland, Oreg.
Filed April 4, 1927. Serial No. 246,929. PUBLISHED JUNE 21, 1927. Class 44.

231,835. EGGS AND DRESSED POULTRY. CENTRAL CITY PRODUCE COMPANY, Central City, Iowa.
Filed April 5, 1927. Serial No. 246,951. PUBLISHED JUNE 7, 1927. Class 46.

231,836. NONALCOHOLIC, MALTLESS CHOCOLATE BEVERAGE AND SIRUP FOR MAKING THE SAME. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 7, 1927. Serial No. 247,069. PUBLISHED MAY 31, 1927. Class 45.

231,837. HOSIERY. THE JOHN M. GIVEN COMPANY, New York, N. Y., Chicago, Ill., Pittsburgh, Pa.
Filed April 7, 1927. Serial No. 247,075. PUBLISHED MAY 31, 1927. Class 39.

231,838. KNITTING-MACHINE NEEDLES. THE TORRINGTON COMPANY, Torrington, Conn.
Filed March 9, 1927. Serial No. 245,459. PUBLISHED JUNE 14, 1927. Class 28.

231,839. PLUG, TWIST, CUT-PLUG SMOKING TOBACCO, AND LEAF TOBACCO. MACLIN-ZIMMER-McGILL TOBACCO Co. INCORPORATED, Petersburg, Va.
Filed March 9, 1927. Serial No. 245,444. PUBLISHED JUNE 21, 1927. Class 17.

231,840. WRITING PAPERS AND ENVELOPES, TYPEWRITER PAPER, TABLETS, STUDENTS' PAPER, SCORE PADS, WRITING CASES, ADDRESS BOOKS, BOOKKEEPING RECORD BOOKS, EXPENSE BOOKS, DRAFT BOOKS, NOTEBOOKS, RECEIPT BOOKS, MEMORANDUM BOOKS, ENGAGEMENT BOOKS, MEMORY BOOKS, PHOTOGRAPH BOOKS, DIARIES, AND TRAVEL DIARIES. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass.
Filed March 7, 1927. Serial No. 245,876. PUBLISHED JUNE 14, 1927. Class 37.

231,841. COTTON PIECE GOODS. C. A. BOYLE & COMPANY, Chicago, Ill.
Filed March 7, 1927. Serial No. 245,327. PUBLISHED JUNE 21, 1927. Class 42.

231,842. MALT BEVERAGES. GOLDEN WEST BREWING COMPANY, Oakland, Calif.
Filed March 5, 1927. Serial No. 245,266. PUBLISHED MAY 24, 1927. Class 48.

231,843. MALT BEVERAGES. GOLDEN WEST BREWING COMPANY, Oakland, Calif.
Filed March 5, 1927. Serial No. 245,265. PUBLISHED MAY 24, 1927. Class 48.

231,844. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed March 4, 1927. Serial No. 245,198. PUBLISHED JUNE 7, 1927. Class 42.

231,845. PURE AND ALLOYED ALUMINUM SHEETS, BARS, BLOCKS, RAILS, AND ROLLED, CAST, OR PRESSED SHAPES. SHEET ALUMINUM CORPORATION, Jackson, Mich.
Filed March 3, 1927. Serial No. 245,164. PUBLISHED JUNE 14, 1927. Class 14.

231,846. A DEVICE FOR EXTRACTING SUPERHEAT FROM GASES AND VAPORS, UTILIZING SAME FOR HEATING WATER AND SEPARATING OIL AT THE SAME TIME FROM SUCH HEATED VAPORS AND GASES. HENRY VOGT MACHINE COMPANY, Louisville, Ky.
Filed March 2, 1927. Serial No. 245,123. PUBLISHED JUNE 14, 1927. Class 23.

231,847. SWABS CONSISTING OF SANITARY ABSORBENT COTTON ATTACHED TO THE END OF A SMALL PIECE OF WOOD. THE LEO GERSTENZANG CO. INC., New York, N. Y.
Filed February 28, 1927. Serial No. 245,007. PUBLISHED JUNE 14, 1927. Class 44.

231,848. GRAPE AND FRUIT PRESSER. RAYMOND D. WATERBURY, Jamaica, N. Y.
Filed May 3, 1927. Serial No. 248,381. PUBLISHED JUNE 14, 1927. Class 28.

231,849. HAMMER MILLS AND OTHER STONE CRUSHERS. AMME-LUTHER WERKE BRAUNSCHWEIG DER "MIAG" MÜHLENBAU UND INDUSTRIE AKTIENGESELLSCHAFT, Brunswick, Germany.
Filed May 5, 1927. Serial No. 248,461. PUBLISHED JUNE 14, 1927. Class 23.

231,850. MATTRESSES. HARRY M. BEDELL, doing business as Bedell Mfg. Company, Washington, D. C.
Filed May 5, 1927. Serial No. 248,472. PUBLISHED JUNE 14, 1927. Class 32.

231,851. REFRIGERATORS, MECHANICAL REFRIGERATING APPARATUS, AND PARTS THEREOF. ELECTRIC REFRIGERATION CORPORATION, Detroit, Mich.
Filed May 6, 1927. Serial No. 248,558. PUBLISHED JUNE 14, 1927. Class 31.

231,852. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS FOR MAKING THE SAME. GENERAL BEVERAGE COMPANY, Baltimore, Md.
Filed May 6, 1927. Serial No. 248,563. PUBLISHED JUNE 14, 1927. Class 45.

231,853. RAZOR BLADES. JACOB P. SEGELMAN & COMPANY, Detroit, Mich.
Filed May 6, 1927. Serial No. 248,597. PUBLISHED JUNE 21, 1927. Class 28.

231,854. MONTHLY MAGAZINE. SINGING MAGAZINE CO., INC., New York, N. Y.
Filed May 6, 1927. Serial No. 248,598. PUBLISHED JUNE 14, 1927. Class 38.

231,855. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. D. A. TURCHI SONS, Philadelphia, Pa.
Filed March 23, 1927. Serial No. 246,240. PUBLISHED JUNE 7, 1927. Class 45.

231,856. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. D. A. TURCHI SONS, Philadelphia, Pa.
Filed March 23, 1927. Serial No. 246,241. PUBLISHED JUNE 7, 1927. Class 45.

231,857. ELECTRIC HEATERS AND ELECTRIC VAPORIZERS COMPRISING AN ELECTRIC HEATING ELEMENT ADAPTED TO BE USED TO HEAT FUEL OIL WITHOUT IGNITING SAID OIL AND TO CONVERT THE SAME INTO VAPOR OR FUMES AND TO DISCHARGE SAID VAPOR OR FUMES INTO THE INTAKE MANIFOLD OF AN INTERNAL-COMBUSTION ENGINE AND FOR USE FOR SUCH OTHER PURPOSES AND IN SUCH OTHER PLACES AS MAY FROM TIME TO TIME BE FOUND DESIRABLE. AS-KE FURNER COMPANY, Duluth and Minneapolis, Minn.
Filed March 26, 1927. Serial No. 246,379. PUBLISHED MAY 31, 1927. Class 21.

231,858. INDICATORS FOR AUTOMOBILES TO SHOW THE MILEAGE AT WHICH THE CRANK-CASE OIL SHOULD BE CHANGED. FRED H. WHITE, Toledo, Ohio.
Filed March 14, 1927. Serial No. 245,770. PUBLISHED JUNE 14, 1927. Class 26.

231,859. ELECTRIC-LIGHTING FIXTURES AND PORTABLE TABLE AND FLOOR LAMPS, ALSO RADIO LAMP SPEAKERS. PEERLESS LIGHT CO., Chicago, Ill.
Filed March 14, 1927. Serial No. 245,747. PUBLISHED JUNE 7, 1927. Class 21.

231,860. TRACING CLOTH AND PENCIL CLOTH. ARKWRIGHT FINISHING COMPANY, Providence, R. I.
Filed March 14, 1927. Serial No. 245,686. PUBLISHED JUNE 14, 1927. Class 37.

231,861. COMPLETELY-PRINTED TABULATED CARDS FOR COMPILING STATISTICS. STATISTICAL TABULATING SERVICE, New York, N. Y.
Filed March 12, 1927. Serial No. 245,665. PUBLISHED JUNE 14, 1927. Class 38.

231,862. NEAR BEER. NORTH AMERICAN BREWING COMPANY, Brooklyn, N. Y.
Filed March 11, 1927. Serial No. 245,573. PUBLISHED MAY 24, 1927. Class 48.

231,863. MEDICATED WINES ESPECIALLY RICH IN IRON AND/OR TANNIN FOR RESTORATIVE AND TONIC PURPOSES AND MEDICATED WINES CONTAINING HERBAL DECOCTIONS; HERB EXTRACTS FOR MEDICINAL BEVERAGES—NAMELY, BEVERAGES SPECIFICALLY FOR NOURISHING THE STOMACH AND ENRICHING THE BLOOD, AROMATIC VEGETABLE CONSTITUENTS FOR USE IN PREPARING MEDICINAL BEVERAGES, PURGATIVE BEVERAGES AND THOSE HAVING AN OPPOSITE EFFECT. EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed March 11, 1927. Serial No. 245,536. PUBLISHED JUNE 14, 1927. Class 6.

231,864. MEDICATED WINES ESPECIALLY RICH IN IRON AND/OR TANNIN FOR RESTORATIVE AND TONIC PURPOSES, AND MEDICATED WINES CONTAINING HERBAL DECOCTIONS; HERB EXTRACTS FOR MEDICINAL BEVERAGES—NAMELY, BEVERAGES SPECIFICALLY FOR NOURISHING THE STOMACH AND ENRICHING THE BLOOD, AROMATIC VEGETABLE CONSTITUENTS FOR USE IN PREPARING MEDICINAL BEVERAGES, PURGATIVE BEVERAGES AND THOSE HAVING AN OPPOSITE EFFECT. EGON BRAUN AKTIENGESELLSCHAFT, Hamburg, Germany.
Filed March 11, 1927. Serial No. 245,535. PUBLISHED JUNE 14, 1927. Class 6.

231,865. JAR LIFTERS AND JAR WRENCHES. THE TYLER MANUFACTURING COMPANY, Muncie, Ind.
Filed March 10, 1927. Serial No. 245,524. PUBLISHED JUNE 21, 1927. Class 23.

231,866. KNITTED FABRICS OF COTTON, WOOL, OR COMBINATIONS OF THESE MATERIALS. LEBANON MILL COMPANY, Pawtucket, R. I.
Filed March 10, 1927. Serial No. 245,501. PUBLISHED JUNE 7, 1927. Class 42.

231,867. AIR COMPRESSORS. THE DAYTON AIR COMPRESSOR COMPANY, Dayton, Ohio.
Filed October 25, 1926. Serial No. 239,166. PUBLISHED JUNE 21, 1927. Class 23.

231,868. WOMEN'S AND CHILDREN'S DRESSES, COATS, SUITS, SWEATERS, BLOOMERS, AND VESTS; MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED FABRIC AND TEXTILE FABRIC, AND NEGLIGEE SHIRTS. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y., now by change of name Celanese Corporation of America, a Corporation of Delaware.
Filed October 28, 1926. Serial No. 239,347. PUBLISHED MAY 10, 1927. Class 39.

231,869. FURNITURE, PRINCIPALLY BENT-WOOD FURNITURE. JACOB & JOSEF KOHN & MUNDUS, INC., New York, N. Y.
Filed November 11, 1926. Serial No. 239,936. PUBLISHED JUNE 14, 1927. Class 32.

231,870. PIPES, CIGAR AND CIGARETTE HOLDERS, AND TOBACCO POUCHES. GROS, GRENIER, OSTOREO & CIE., Sainte-Claude (Jura), France.
Filed November 18, 1926. Serial No. 240,255. PUBLISHED JUNE 21, 1927. Class 8.

231,871. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND COMPOUND CONCENTRATES AND SIRUPS FOR THE MANUFACTURE THEREOF. ORANGE CRUSH COMPANY, Chicago, Ill.
Filed November 19, 1926. Serial No. 240,317. PUBLISHED FEBRUARY 8, 1927. Class 45.

231,872. ELECTRIC SIGNS. THE ARTKRAFT SIGN COMPANY, Lima, Ohio.
Filed November 20, 1926. Serial No. 240,335. PUBLISHED JUNE 7, 1927. Class 21.

231,873. COMPOSITION OF MATTER FOR IMPROVING THE COMBUSTION OF FUEL OILS, ESPECIALLY GASOLINE, IN THE FORM OF A LIQUID CHEMICAL COMPOSITION TO BE MIXED THEREWITH. CAMPBELL AND MINKEL, New York, N. Y.
Filed November 22, 1926. Serial No. 240,400. PUBLISHED JUNE 14, 1927. Class 6.

231,874. CHEMICAL MIXTURE IN POWDER FORM TO BE THROWN ON FIRES FOR EXTINGUISHING THE SAME. PEQUANOC CHEMICAL CO., Butler, N. J.
Filed November 22, 1926. Serial No. 240,439. PUBLISHED JUNE 14, 1927. Class 6.

231,875. HOUSE PAINTS, VARNISHES, WHITE LEAD AND ZINC IN OIL, AND ROOF PAINTS. THE SULLIVAN COMPANY, Memphis, Tenn.
Filed December 1, 1926. Serial No. 240,832. PUBLISHED JANUARY 11, 1927. Class 16.

231,876. ATTACHMENT PLUGS, APPLIANCE CORDS, LAMP RECEPTACLES, ELECTRIC SADIRONS, ELECTRIC-SADIRON HEATING ELEMENTS, RADIANT HEATERS, RADIANT HEATING COILS, RESISTANCE WIRES, GRID LEAKS, VARIABLE GRID LEAKS, WINDOW LEAD-INS, AERIAL SETS; PORCELAIN, GLASS, AND COMPOSITION INSULATORS; GROUND CLAMPS, ELECTRIC SOLDERING IRONS, CONNECTER CLIPS, ELECTRIC SIGN FLASHERS, EXTENSION CORDS, BATTERY CLIPS, AND LIGHTNING ARRESTERS. EAGLE ELECTRIC MFG. CO, Brooklyn, N. Y.
Filed December 10, 1926. Serial No. 241,267. PUBLISHED MAY 31, 1927. Class 21.

231,877. WINE. SALVADOR BATALLA PLANA, Barcelona, Spain.
Filed March 19, 1926. Serial No. 228,864. PUBLISHED MAY 24, 1927. Class 47.

231,878. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS AND OVERCOATS. MONTGOMERY WARD & CO., INCORPORATED, Chicago, Ill.
Filed March 31, 1926. Serial No. 229,454. PUBLISHED MAY 31, 1927. Class 39.

231,879. SHOES MADE OF LEATHER, RUBBER, FABRICS, AND COMBINATIONS THEREOF. DR. A. POSNER SHOES INC., New York, N. Y.
Filed March 31, 1926. Serial No. 229,464. PUBLISHED MAY 31, 1927. Class 39.

231,880. NONALCOHOLIC BEVERAGES—NAMELY, GINGER ALE. VESS JONES, doing business as the Whistle Company of America, Inc., New York, N. Y.
Filed April 8, 1927. Serial No. 247,132. PUBLISHED JUNE 14, 1927. Class 45.

231,881. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed April 9, 1927. Serial No. 247,160. PUBLISHED MAY 31, 1927. Class 39.

231,882. MEN'S AND YOUNG MEN'S SUITS. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa.
Filed April 11, 1927. Serial No. 247,279. PUBLISHED MAY 31, 1927. Class 39.

231,883. HOSIERY. STARR KNITTING MILLS, INC., Pleasantville, N. J.
Filed April 9, 1927. Serial No. 247,224. PUBLISHED MAY 31, 1927. Class 39.

231,884. SPRAYING LACQUER, LACQUER BINDER, LACQUER SURFACER, LACQUER THINNER, AND LACQUER POLISH AND CLEANER. THE OHIO VARNISH COMPANY, Cleveland, Ohio.
Filed April 9, 1927. Serial No. 247,202. PUBLISHED JUNE 21, 1927. Class 16.

231,885. SILKS, COTTONS, WOOLENS, AND RAYON FABRICS. GEORGE WILLS & SONS, LTD., London, England, and New York, N. Y.
Filed December 10, 1926. Serial No. 241,308. PUBLISHED JUNE 21, 1927. Class 42.

231,886. WOMEN'S HATS, WOMEN'S UNDERWEAR OF TEXTILE FABRIC, LEATHER AND FABRIC GLOVES, HOSIERY, WOMEN'S SPORT COATS, AND WOMEN'S SPORT SUITS. HARRY D. ROSENBERG, doing business as Mildred Hat Shop, New York, N. Y.
Filed December 11, 1926. Serial No. 241,356. PUBLISHED MAY 31, 1927. Class 39.

231,887. SPRING-STEEL WIRE AND SPRING WIRE. TEXTILE SPECIALTIES CO., Norristown, Pa.
Filed December 15, 1926. Serial No. 241,550. PUBLISHED JUNE 14, 1927. Class 14.

231,888. ORNAMENTAL PAPER USED FOR BOX COVERINGS, ENVELOPE LININGS, COVER LININGS FOR GIFT BOOKS, ETC. NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H.
Filed December 17, 1926. Serial No. 241,632. PUBLISHED JUNE 14, 1927. Class 37.

231,889. PRESSURE-OPERATED ELECTRIC SWITCHES FOR TEMPERATURE REGULATION AND SAFETY CONTROL OF HEATING PLANTS. MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn.
Filed December 21, 1926. Serial No. 241,779. PUBLISHED MAY 31, 1927. Class 21.

231,890. UNITARY AUTOMATIC ELECTRIC SWITCH SYSTEMS FOR HEAT REGULATION AND SAFETY CONTROL OF HEATING PLANTS. MINNEAPOLIS HEAT REGULATOR CO., Minneapolis, Minn.
Filed December 21, 1926. Serial No. 241,780. PUBLISHED MAY 31, 1927. Class 21.

231,891. TEMPERATURE-OPERATED ELECTRIC STACK SWITCHES FOR THE AUTOMATIC SAFETY CONTROL OF OIL HEATING PLANTS. MINNEAPOLIS HEAT REGULATOR CO., Minneapolis Minn.
Filed December 21, 1926. Serial No. 241,781. PUBLISHED JUNE 14, 1927. Class 21.

231,892. SCISSORS AND SHEARS. HEINR. BÖKER & Co., Solingen, Germany.
Filed September 25, 1926. Serial No. 237,718. PUBLISHED JUNE 21, 1927. Class 23.

231,893. CHIPPING CHISELS, CHISEL BLANKS, TRACK CHISELS, HAMMERS, RIVET SETS, NOZZLE BUSHINGS FOR PNEUMATIC HAMMERS, PISTONS FOR PNEUMATIC HAMMERS, PUNCHES, DIES, REDUCING BUSHINGS, DRIFT PINS, CHISEL ADAPTERS, AND STAR DRILLS. THE PORTAGE TOOL COMPANY, Akron, Ohio.
Filed October 6, 1926. Serial No. 238,233. PUBLISHED JUNE 21, 1927. Class 23.

231,894. ELECTRICAL APPARATUS, AND PARTICULARLY STORAGE BATTERIES AND PARTS THEREOF. COMPAGNIE GÉNÉRALE D'ELECTRICITÉ, Paris, France.
Filed October 23, 1926. Serial No. 239,093. PUBLISHED JUNE 7, 1927. Class 21.

231,895. SOAP. THE PALMOLIVE-PEET COMPANY, Chicago, Ill.
Filed April 29, 1927. Serial No. 248,190. PUBLISHED JUNE 14, 1927. Class 4.

231,896. BLOOD COAGULANTS PRODUCED FROM LYMPHOID GLANDS. THE VITALAIT LABORATORY OF CALIFORNIA, INC., Pasadena, Calif.
Filed April 28, 1927. Serial No. 248,139. PUBLISHED JUNE 21, 1927. Class 6.

231,897. RED OIL. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 28, 1927. Serial No. 248,128. PUBLISHED JUNE 21, 1927. Class 6.

231,898. STEARIC ACID. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 28, 1927. Serial No. 248,127. PUBLISHED JUNE 21, 1927. Class 6.

231,899. FACE POWDER, ROUGE, ROUGE AND LOOSE POWDER COMBINATION, LEMON AND CUCUMBER LOTION, BENZOIN AND ALMOND CREAM, ROSE CREAM, LEMON COLD CREAM, COLD CREAM, VANISHING CREAM FOR THE COMPLEXION, COMBING CREAM FOR THE HAIR, HAIR OIL, SHAMPOO, AND SHAVING LOTION FOR USE AFTER SHAVING. GOODRICH-GAMBLE COMPANY, St. Paul, Minn.
Filed April 28, 1927. Serial No. 248,099. PUBLISHED JUNE 21, 1927. Class 6.

231,900. SILK CHIFFON CLOTH IN THE PIECE. MENKE, KAUFMANN & CO., INC., New York, N. Y.
Filed April 27, 1927. Serial No. 248,043. PUBLISHED JUNE 21, 1927. Class 42.

231,901. PILE OINTMENT. CLARENCE G. STONE, Mount Vernon, N. Y.
Filed April 26, 1927. Serial No. 248,019. PUBLISHED JUNE 21, 1927. Class 6.

231,902. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed April 25, 1927. Serial No. 247,977. PUBLISHED JUNE 21, 1927. Class 19.

231,903. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed April 7, 1927. Serial No. 247,081. PUBLISHED MAY 31, 1927. Class 39.

231,904. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed April 7, 1927. Serial No. 247,082. PUBLISHED MAY 31, 1927. Class 39.

231,905. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed April 7, 1927. Serial No. 247,083. PUBLISHED MAY 31, 1927. Class 39.

231,906. COLLARS AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed April 7, 1927. Serial No. 247,084. PUBLISHED MAY 31, 1927. Class 39.

231,907. SHOCK ABSORBERS AND AUTOMOBILE HEATERS. ILLINOIS IRON & BOLT COMPANY, Carpentersville, Ill.
Filed April 7, 1927. Serial No. 247,085. PUBLISHED JUNE 21, 1927. Class 19.

231,908. LADIES' DRESSES. LOUIS FEIT, doing business as State Dress Manufacturing Co., New York, N. Y.
Filed April 8, 1927. Serial No. 247,129. PUBLISHED MAY 31, 1927. Class 39.

231,909. MACARONI. MILWAUKEE MACARONI CO., Milwaukee, Wis.
Filed April 14, 1927. Serial No. 247,441. PUBLISHED JUNE 14, 1927. Class 46.

231,910. MEDICATED SOAP. THOMAS A. JONES, doing business as Anti-Kan Soap Company, Cambria, Ill.
Filed April 30, 1927. Serial No. 248,236. PUBLISHED JUNE 14, 1927. Class 4.

231,911. MONEY CHANGERS AND MONEY PAYERS. UNIVERSAL STAMPING & MFG. CO., Chicago, Ill.
Filed April 14, 1927. Serial No. 247,453. PUBLISHED JUNE 14, 1927. Class 26.

231,912. HAND TOOLS FOR TRIMMING WALL PAPER. THE RIDGELY TRIMMER COMPANY, Springfield, Ohio.
Filed April 18, 1927. Serial No. 247,638. PUBLISHED JUNE 14, 1927. Class 23.

231,913. MEN'S AND BOYS' COLLAR BANDS. C. F. HOVEY CO., Boston, Mass.
Filed April 15, 1927. Serial No. 247,473. PUBLISHED MAY 31, 1927. Class 39.

231,914. CARBON PAPER AND TYPEWRITER RIBBONS. NON-SMUT CARBON MFG. CO., INC., Rochester, N. Y.
Filed April 18, 1927. Serial No. 247,629. PUBLISHED JUNE 21, 1927. Class 11.

231,915. NONALCOHOLIC, MALTLESS EXTRACT FOR MAKING SOFT DRINKS. CHARLES M. BREWER, Oklahoma City, Okla.
Filed April 18, 1927. Serial No. 247,595. PUBLISHED JUNE 14, 1927. Class 45.

231,916. SOLES FOR BOOTS AND SHOES MADE OF RUBBER AND FIBER. AVON SOLE COMPANY, Avon, Mass.
Filed April 16, 1927. Serial No. 247,515. PUBLISHED MAY 31, 1927. Class 39.

231,917. POWDERED SOAP. WILLIAM MOORE, St. Louis, Mo.
Filed April 20, 1927. Serial No. 247,745. PUBLISHED JUNE 14, 1927. Class 4.

231,918. TOILET WATER, COLD CREAM, VANISHING CREAM, TISSUE BUILDER OR CREAM, CLEANSING CREAM, TISSUE CREAM, TALCUM POWDER, BODY POWDER, FACE POWDER, DUSTING POWDER, DEODORANT, BANDOLINE, BRILLIANTINE, LIP STICK, ROUGE COMPACT, EYEBROW PENCIL, POWDER COMPACTS, PERFUME, LOTION, ASTRINGENT, SHAMPOO, VEGETALE, BATH SALTS, AND HAIR TONIC. PEOPLES DRUG STORES INC., doing business as Moret, Parfumeur, Washington, D. C.
Filed April 19, 1927. Serial No. 247,705. PUBLISHED JUNE 21, 1927. Class 6.

231,919. FABRIC TOWELS. HARVEY C. WHEELER, doing business as Wheeler Clean Towel Company, Boston, Mass.
Filed April 18, 1927. Serial No. 247,652. PUBLISHED JUNE 21, 1927. Class 42.

231,920. TABLE SIRUP. THE STACY WILLIAMS CO., Birmingham, Ala.
Filed April 18, 1927. Serial No. 247,646. PUBLISHED JUNE 14, 1927. Class 46.

231,921. CHEMICAL FOR CLEANSING DRAINS, SINKS, WASHBOWLS, ETC. THE DRACKETT CHEMICAL COMPANY, Cincinnati, Ohio.
Filed April 25, 1927. Serial No. 247,937. PUBLISHED JUNE 21, 1927. Class 6.

231,922. SKIN LOTION. EUSOMUS H. MYERS, Keedysville, Md.
Filed April 9, 1927. Serial No. 247,200. PUBLISHED JUNE 21, 1927. Class 6.

231,923. READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, STAINS, AND LACQUERS. BROWN-LEITHOLD COMPANY, Los Angeles, Calif.
Filed April 9, 1927. Serial No. 247,165. PUBLISHED JUNE 21, 1927. Class 16.

231,924. GINGER ALE. DOMINIQUE BORDAGARAY, doing business as Golden Lion Distributing Co., San Francisco, Calif.
Filed April 9, 1927. Serial No. 247,164. PUBLISHED JUNE 7, 1927. Class 45.

231,925. TOY ANIMALS. TWISTUM TOY FACTORY, Oakland, Calif.
Filed April 13, 1927. Serial No. 247,400. PUBLISHED JUNE 14, 1927. Class 22.

231,926. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. ANDREW W. MYNDERSE, doing business as Mynderse Beverages, Schenectady, N. Y.
Filed April 13, 1927. Serial No. 247,384. PUBLISHED JUNE 14, 1927. Class 45.

231,927. SHOE NAILS AND SHOE TACKS. CASA ANCHORENA, INC., New York, N. Y.
Filed April 12, 1927. Serial No. 247,312. PUBLISHED JUNE 7, 1927. Class 13.

231,928. HEAVIER-THAN-AIR AIRCRAFT. KEYSTONE AIRCRAFT CORPORATION, Bristol, Pa.
Filed April 13, 1927. Serial No. 247,375. PUBLISHED JUNE 21, 1927. Class 19.

231,929. HEAVIER-THAN-AIR AIRCRAFT. KEYSTONE AIRCRAFT CORPORATION, Bristol, Pa.
Filed April 13, 1927. Serial No. 247,374. PUBLISHED JUNE 21, 1927. Class 19.

231,930. ELECTRICALLY-OPERATED SOUND SIGNALS FOR AUTOMOBILES AND OTHER SELF-PROPELLED VEHICLES. DELCO-REMY CORPORATION, Dayton, Ohio.
Filed February 28, 1927. Serial No. 244,997. PUBLISHED JUNE 14, 1927. Class 21.

231,931. PAINTS, READY MIXED, DRY, AND PASTE; VARNISH, LACQUER, AND PAINT ENAMELS. F. I. SIEGEL & SON, doing business as Fison Paint Products Company, Union City, N. J.
Filed March 8, 1927. Serial No. 245,411. PUBLISHED JUNE 21, 1927. Class 16.

231,932. MEN'S COTTON GLOVES WITH PLAIN OR LEATHER PALM. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed March 24, 1927. Serial No. 246,272. PUBLISHED MAY 31, 1927. Class 39.

231,933. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ORANGE CRUSH BOTTLING CO., Buffalo, N. Y.
Filed May 3, 1927. Serial No. 248,373. PUBLISHED JUNE 14, 1927. Class 45.

231,934. SWEATERS, JACKETS, BATHING SUITS, CHILDREN'S SNOW SUITS, AND KNITTED CAPS. ROPER KNITTING COMPANY, INC., Canandaigua, N. Y.
Filed July 30, 1926. Serial No. 235,357. PUBLISHED SEPTEMBER 21, 1926. Class 39.

231,935. SOAP. EDWARD PINKNEY LEWIS, doing business as Hildebrand Manufacturing Co., Atlanta, Ga.
Filed August 6, 1926. Serial No. 235,651. PUBLISHED SEPTEMBER 21, 1926. Class 4.

231,936. GOLF CLUBS. ROBERT FORGAN & SON, LTD., St. Andrews, Scotland.
Filed August 18, 1926. Serial No. 236,317. PUBLISHED MAY 24, 1927. Class 22.

231,937. LADIES' TEXTILE VESTS, NIGHTGOWNS, TEXTILE CHEMISES, CAMISOLES, BATHROBES, DRESSES, APRONS, BLOUSES, BOUDOIR CAPS, PETTICOATS, TEXTILE BLOOMERS, AND RAINCOATS; MISSES' TEXTILE VESTS AND PANTS, BOYS' WASH SUITS AND ROMPERS; BOYS' AND MEN'S RAINCOATS, CAPS, DRESS SHIRTS, NIGHTSHIRTS, OVERALLS, PYJAMAS; CHILDREN'S SLEEPING GARMENTS MADE OF OUTING FLANNEL OR SHAKER FLANNEL, DRESSES, TEXTILE BLOOMERS, AND TEXTILE WAIST AND SHIRT COMBINATIONS. C. J. FARLEY & CO., Grand Rapids, Mich.
Filed September 7, 1926. Serial No. 236,922. PUBLISHED APRIL 19, 1927. Class 39.

231,938. AUTOMATIC ELECTRIC INCUBATORS AND BROODERS. THE THERMO-ELECTRIC COMPANY, INC., New Orleans, La.
Filed September 11, 1926. Serial No. 237,136. PUBLISHED MAY 31, 1927. Class 21.

231,939. DRIED PRUNES, FIGS, RAISINS, PEACHES, PEARS, APRICOTS, APPLES; CANNED PEACHES, APRICOTS, PLUMS, GRAPES, FIGS, OLIVES, PEAS, ASPARAGUS, TOMATOES, SPINACH; FRESH GRAPES, PEACHES, PLUMS, FIGS, APRICOTS, APPLES; MINCEMEAT, RAISIN SIRUP FOR FOOD PURPOSES, CANNED FRUIT FOR PIES, JAM, JELLY, RICE, AND NUTS IN THEIR NATURAL STATE. SUNLAND SALES COOPERATIVE ASSOCIATION, Fresno, Calif.
Filed September 28, 1926. Serial No. 237,880. PUBLISHED JUNE 14, 1927. Class 46.

231,940. SALT PORK AND BACON. NORTH PACKING AND PROVISION COMPANY, Somerville, Mass.
Filed September 29, 1926. Serial No. 237,917. PUBLISHED JUNE 14, 1927. Class 46.

231,941. DEVICE INTENDED TO MAINTAIN THE FRESHNESS OF BAKERY PRODUCTS BY MEANS OF A HEATED MEDIUM. WATERS-GENTER COMPANY, Minneapolis, Minn.
Filed March 31, 1927. Serial No. 246,725. PUBLISHED JUNE 21, 1927. Class 34.

231,942. RADIOTRANSFORMERS, RADIO RECEIVING SETS, LOUD SPEAKERS AND UNITS, TUNING UNITS, PLUGS, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed April 1, 1927. Serial No. 246,743. PUBLISHED JUNE 7, 1927. Class 21.

231,943. VACUUM TUBES AND VALVES. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed April 1, 1927. Serial No. 246,772. PUBLISHED JUNE 7, 1927. Class 21.

231,944. SHOCK-ABSORBER RINGS FOR AEROPLANES. THE RUSSELL MANUFACTURING CO., Middletown, Conn.
Filed April 1, 1927. Serial No. 246,779. PUBLISHED JUNE 21, 1927. Class 19.

231,945. FISHHOOKS. O. MUSTAD & SON, Oslo, Norway.
Filed April 5, 1927. Serial No. 246,970. PUBLISHED JUNE 7, 1927. Class 22.

231,946. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE, SARSAPARILLA, AND LEMON SODA. C. EDWARD MAY, doing business as Chero Cola Bottling Company, Baltimore, Md.
Filed December 22, 1926. Serial No. 241,830. PUBLISHED MAY 3, 1927. Class 45.

231,947. CANNED FRUIT, JAMS, JELLIES, FRUIT PRESERVES, MARMALADE, CANNED FISH, CANNED VEGETABLES, CANNED TOMATO PURÉE, CHILI SAUCE, VINEGAR, PICKLES, MAYONNAISE, OLIVES, OLIVE OIL, CATCHUP, DRIED FRUIT, RAISINS, DRIED PRUNES, PEANUT BUTTER, HONEY, FOOD-FLAVORING EXTRACTS, CANNED FIGS, CANNED SAUERKRAUT, CANNED SOUP, AND PICKLED ONIONS. PACIFIC COAST CANNERS, INC., Oakland, Calif.
Filed December 23, 1926. Serial No. 241,897. PUBLISHED JUNE 14, 1927. Class 46.

231,948. MEDICINAL PREPARATION IN THE FORM OF TABLETS TO BE TAKEN FOR DEADENING PAIN AND IN FEVERISH ILLNESS OF ALL KINDS. CHEMISCH-PHARMAZEUTISCHE A. G. BAD HOMBURG, Bad-Homburg, Germany.
Filed December 23, 1926. Serial No. 241,868. PUBLISHED JUNE 14, 1927. Class 6.

231,949. GAS AND WATER PIPE AND GAS AND WATER MAIN DRILLING AND TAPPING MACHINES AND PARTS THEREOF. HAYS MANUFACTURING COMPANY, Erie, Pa.
Filed December 30, 1926. Serial No. 242,193. PUBLISHED JUNE 14, 1927. Class 23.

231,950. AIR-CONDITIONING APPARATUS AND COOLING AND VENTILATING SYSTEMS. ARCTIC NU-AIR CORPORATION, Chicago, Ill.
Filed January 3, 1927. Serial No. 242,271. PUBLISHED JUNE 21, 1927. Class 34.

231,951. HAMS, BACON, AND SAUSAGE. THE SOUTH END MEAT PRODUCTS CO., Cleveland, Ohio.
Filed January 6, 1927. Serial No. 242,446. PUBLISHED JUNE 14, 1927. Class 46.

231,952. MIRRORS, PILLOWS, BASSINETTES, MATTRESSES, COSTUMERS, ARTICLES OF FURNITURE COMPRISING CHAIRS, TABLES, PORTABLE WARDROBES, CRIBS, COMBINED NURSERY CHAIR AND CHAMBER, BABY WALKERS, FOLDING PLAY YARDS, AND CHEST OF DRAWERS. BEST & CO., INC., New York, N. Y.
Filed January 7, 1927. Serial No. 242,467. PUBLISHED JUNE 21, 1927. Class 32.

231,953. RADIO CONE SPEAKERS. SANDAR CORPORATION, Long Island City, N. Y.
Filed January 7, 1927. Serial No. 242,504. PUBLISHED JUNE 7, 1927. Class 21.

231,954. CRACKERS, WAFERS, ETC. BATTLE CREEK FOOD CO., Battle Creek, Mich.
Filed January 10, 1927. Serial No. 242,564. PUBLISHED JUNE 14, 1927. Class 46.

231,955. NONALCOHOLIC, MALTLESS SIRUP SOLD AS A SOFT DRINK. SOTIR ZAROFF, St. Louis, Mo.
Filed January 28, 1927. Serial No. 243,518. PUBLISHED JUNE 7, 1927. Class 45.

231,956. AN ANTISEASICKNESS PLASTER. THOS. EVANS, doing business as The Seajoy Coy, London, England.
Filed January 29, 1927. Serial No. 243,533. PUBLISHED JUNE 14, 1927. Class 6.

231,957. SANITARY NAPKINS. THE OWL DRUG CO., San Francisco, Calif.
Filed January 29, 1927. Serial No. 243,558. PUBLISHED JUNE 21, 1927. Class 44.

231,958. SILK PIECE GOODS. ZOLLINGER & SCHROTH, INC., New York, N. Y.
Filed February 5, 1927. Serial No. 243,912. PUBLISHED JUNE 7, 1927. Class 42.

231,959. PLOWS, HARROWS, SOIL PULVERIZERS, LIME SOWERS, TRACTOR DRILLS, HAY PRESSES, RAKES, ENSILAGE CUTTERS, SEEDERS, SCRAPERS, LOADERS, GOVERNORS, GASOLINE ENGINES, REPAIR TOOLS, CULTIVATORS, SUBSOILERS, LISTERS, MANURE SPREADERS, MOWERS, GRINDING MILLS, PULVERIZERS AND CRUSHERS, SAWS, GRADING MACHINES, SAWMILLS, HOISTS, STUMP PULLERS, TRACTOR HITCHES, THRESHERS, GROUSERS, WINCHES, PUMPS, CRANES, STREET FLUSHERS, CAR WASHERS, AND AIR COMPRESSORS. GASH-STULL COMPANY, Chester, Pa.
Filed February 7, 1927. Serial No. 243,936. PUBLISHED JUNE 21, 1927. Class 23.

231,960. WOMEN'S, GIRLS', and MISSES' UNDERGARMENTS AND CLOTHING—NAMELY, DRESSES, SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, SLIPS, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, BLOUSES, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, RAINCOATS, SPORT COATS, CAPES AND COATS MADE OUT OF TEXTILE MATERIAL, AND DRESSES, SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, SLIPS, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, BLOUSES, BATHING SUITS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, HATS, AND CAPS MADE OUT OF KNITTED MATERIAL. C. CRAWFORD HOLLIDGE, Boston, Mass.
Filed February 10, 1927. Serial No. 244,157. PUBLISHED MAY 31, 1927. Class 39.

231,961. METALLIC PISTON-PACKING RINGS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed February 11, 1927. Serial No. 244,261. PUBLISHED JUNE 21, 1927. Class 35.

231,962. METALLIC PISTON-PACKING RINGS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed February 11, 1927. Serial No. 244,262. PUBLISHED JUNE 21, 1927. Class 35.

231,963. METALLIC PISTON-PACKING RINGS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed February 11, 1927. Serial No. 244,263. PUBLISHED JUNE 21, 1927. Class 35.

231,964. METALLIC PISTON-PACKING RINGS. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa.
Filed February 11, 1927. Serial No. 244,264. PUBLISHED JUNE 21, 1927. Class 35.

231,965. FERTILIZERS. INTERNATIONAL AGRICULTURAL CORPORATION, New York, N. Y.
Filed February 12, 1927. Serial No. 244,306. PUBLISHED JUNE 21, 1927. Class 10.

231,966. MONTHLY MAGAZINE. MCKENZIE J. SULLIVAN, doing business as The Army and Navy Courier, San Antonio, Tex.
Filed February 12, 1927. Serial No. 244,335. PUBLISHED JUNE 14, 1927. Class 38.

231,967. MAGNETIC COIL FOR THERAPEUTIC PURPOSES. GEORGE BISERGER, San Francisco, Calif.
Filed February 16, 1927. Serial No. 244,422. PUBLISHED JUNE 14, 1927. Class 44.

231,968. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. DANNER-GLESSNER & CO., Martinsburg, W. Va.
Filed February 16, 1927. Serial No. 244,431. PUBLISHED MAY 24, 1927. Class 45.

231,969. LIVE POULTRY, EGGS, AND CHICKS. MAPLESIDE POULTRY FARMS, Lincoln, Ill.
Filed February 17, 1927. Serial No. 244,508. PUBLISHED JUNE 14, 1927. Class 46.

231,970. ELECTRIC SWITCHES AND FUSES. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed February 18, 1927. Serial No. 244,563. PUBLISHED MAY 31, 1927. Class 21.

231,971. INSECTICIDE. UNITED STATES LABORATORIES, Davenport, Iowa.
Filed February 19, 1927. Serial No. 244,639. PUBLISHED JUNE 21, 1927. Class 6.

231,972. FLUID-FUEL-BURNING SPACE HEATERS, WATER HEATERS, CLOTHES-DRYING HEATERS, OVENS, AND FLUID FUEL BURNERS. THE SANDAGE COMPANY, Chicago, Ill.
Filed February 21, 1927. Serial No. 244,723. PUBLISHED JUNE 21, 1927. Class 34.

231,973. SALMON EGGS USED FOR TROUT BAIT. RIPLEY FISH CO., INC., Seattle, Wash.
Filed February 23, 1927. Serial No. 244,789. PUBLISHED MAY 24, 1927. Class 22.

231,974. DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, AND VARNISHES. THE WEYMAC MANUFACTURING CORP., New York, N. Y.
Filed February 23, 1927. Serial No. 244,807. PUBLISHED JUNE 21, 1927. Class 16.

231,975. BATH SALTS. THE WHITE TAR COMPANY OF NEW JERSEY, INC., Kearny, N. J.
Filed May 13, 1927. Serial No. 248,981. PUBLISHED JUNE 21, 1927. Class 6.

231,976. FACE POWDER, SKIN WHITENER, BLEMISH OINTMENT, HAIRDRESSING, DENTIFRICE, ROUGE, LIP STICKS, HAIR TONICS, VANISHING CREAMS, COLD CREAMS, PEROXIDE CREAMS, LEMON CREAMS, TOILET WATERS, FACIAL CREAMS, PERFUMES, DEODORIZERS, AND DEPILATORIES. HARRY LEMLER, doing business as Lemler's Drug Stores, Baltimore, Md.
Filed May 16, 1927. Serial No. 249,072. PUBLISHED JUNE 21, 1927. Class 6.

231,977. GARMENT BAGS OF PAPER. LEWY CHEMICAL COMPANY, New York, N. Y.
Filed February 25, 1927. Serial No. 244,872. PUBLISHED JUNE 21, 1927. Class 2.

231,978. GARMENT BAGS OF PAPER. LEWY CHEMICAL COMPANY, New York, N. Y.
Filed February 25, 1927. Serial No. 244,873. PUBLISHED JUNE 21, 1927. Class 2.

231,979. CEREAL HEALTH FOOD. JOSEPH C. BROADY, doing business as Vita-Ray Company, San Diego, Calif.
Filed February 26, 1927. Serial No. 244,914. PUBLISHED JUNE 14, 1927. Class 46.

231,980. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. J. A. GILKA A. G., Berlin, Germany.
Filed February 26, 1927. Serial No. 244,926. PUBLISHED JUNE 14, 1927. Class 45.

231,981. EXTRACTS OF PERFUMES, SACHET, TALCUM POWDER, DUSTING POWDER, FACE POWDER, FACIAL CREAM, BATH SALTS, AND TOILET WATERS. LORD & TAYLOR, New York, N. Y.
Filed February 26, 1927. Serial No. 244,941. PUBLISHED JUNE 14, 1927. Class 6.

231,982. SILK PIECE GOODS. F. DUCHARNE SILK CO. INC., New York, N. Y.
Filed May 11, 1927. Serial No. 248,819. PUBLISHED JUNE 21, 1927. Class 42.

231,983. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed May 11, 1927. Serial No. 248,821. PUBLISHED JUNE 21, 1927. Class 42.

231,984. RAYON PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed May 11, 1927. Serial No. 248,822. PUBLISHED JUNE 21, 1927. Class 42.

231,985. FLARES FOR NIGHT PHOTOGRAPHY AND FOR LIGHTING AND SIGNAL PURPOSES. I. C. NEWMAN CO. INC., New York, N. Y.
Filed May 11, 1927. Serial No. 248,856. PUBLISHED JUNE 21, 1927. Class 9.

231,986. MATCHES. O'BERRY & HALL COMPANY, Tampa, Fla.
Filed May 11, 1927. Serial No. 248,857. PUBLISHED JUNE 21, 1927. Class 9.

231,987. YARNS SPUN FROM ARTIFICIAL-SILK FIBERS. NEW ENGLAND SPUN SILK CORPORATION, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y.
Filed May 12, 1927. Serial No. 248,920. PUBLISHED JUNE 21, 1927. Class 43.

231,988. YARNS SPUN FROM BLENDS OF ARTIFICIAL SILK AND SILK FIBERS. NEW ENGLAND SPUN SILK CORPORATION, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y.
Filed May 12, 1927. Serial No. 248,921. PUBLISHED JUNE 21, 1927. Class 43.

231,989. MOTOR FUELS, MORE PARTICULARLY GASOLINE. INDEPENDENT OIL COMPANY, Wilmington, Del., and Washington, D. C.
Filed January 10, 1927. Serial No. 242,592. PUBLISHED MAY 3, 1927. Class 15.

231,990. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS; CONCENTRATES, SIRUPS, AND EXTRACTS FOR MAKING THE SAME; AND MINERAL WATER. ELITE CATERING COMPANY, Los Angeles, Calif.
Filed January 14, 1927. Serial No. 242,826. PUBLISHED JUNE 7, 1927. Class 45.

231,991. DUST MOPS AND UNIMPREGNATED DUST CLOTHS. CHAUNCEY J. EVANS, doing business as Cactus Manufacturing Co., Los Angeles, Calif.
Filed January 14, 1927. Serial No. 242,828. PUBLISHED JUNE 21, 1927. Class 29.

231,992. VACUUM TUBES. SUPERCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 14, 1927. Serial No. 242,864. PUBLISHED JUNE 14, 1927. Class 21.

231,993. ALL-LEAF CIGAR CLIPPINGS AND HAVANA SMOKING TOBACCO. OSCAR SPERBECK, Poughkeepsie, N. Y.
Filed January 20, 1927. Serial No. 243,119. PUBLISHED JUNE 21, 1927. Class 17.

231,994. OLIVES. MARIE ALICE KAUFMANN HITZFELD, VIUDA DE DIEGO GOMEZ, Seville, Spain.
Filed January 21, 1927. Serial No. 243,154. PUBLISHED JUNE 14, 1927. Class 46.

231,995. STERILIZED DENTIFRICES. NATIONAL DENTAL COMPANY, Newark, N. J.
Filed January 21, 1927. Serial No. 243,165. PUBLISHED JUNE 21, 1927. Class 6.

231,996. ELECTRON TUBES. ZETKA LABORATORIES, INC., Newark, N. J.
Filed January 21, 1927. Serial No. 243,183. PUBLISHED MAY 31, 1927. Class 21.

231,997. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS. DE LUXE CLOTHING MANUFACTURING COMPANY, Baltimore, Md.
Filed January 22, 1927. Serial No. 243,200. PUBLISHED MAY 31, 1927. Class 39.

231,998. INSULATING VARNISH. STANDARD INSULATION COMPANY, Rutherford, N. J.
Filed January 26, 1927. Serial No. 243,395. PUBLISHED MAY 31, 1927. Class 21.

231,999. DRY CLEANER. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa.
Filed January 27, 1927. Serial No. 243,436. PUBLISHED JUNE 14, 1927. Class 4.

232,000. POMADE, A HAIR BEAUTIFIER. THE M & W CHEMICAL COMPANY, Chicago, Ill.
Filed April 30, 1927. Serial No. 248,287. PUBLISHED JUNE 21, 1927. Class 6.

232,001. MEDICATED WATER FOR THE TREATMENT OF ACIDITY OF THE BLOOD. MALKA WATER CO. INC., New York and Long Island City, N. Y.
Filed May 3, 1927. Serial No. 248,371. PUBLISHED JUNE 21, 1927. Class 6.

232,002. WASHING POWDER. SWIFT AND COMPANY, Chicago, Ill.
Filed May 3, 1927. Serial No. 248,380. PUBLISHED JUNE 14, 1927. Class 4.

232,003. HAIR TONIC AND DANDRUFF REMEDY. VINCENT T. DECECCO, Joliet, Ill.
Filed May 4, 1927. Serial No. 248,397. PUBLISHED JUNE 21, 1927. Class 6.

232,004. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif.
Filed May 6, 1927. Serial No. 248,604. PUBLISHED JUNE 14, 1927. Class 46.

232,005. CIGARS AND CIGARETTES. BEATRICE O'CONOR, Newton Center, Mass.
Filed May 9, 1927. Serial No. 248,714. PUBLISHED JUNE 21, 1927. Class 17.

232,006. ELEVATORS, ESCALATORS, ENDLESS CARRIERS, INCLINED RAILWAYS, BLAST-FURNACE HOISTS, AND GRAVITY SPIRAL CONVEYERS, AND PARTS THEREOF. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 9, 1927. Serial No. 248,715. PUBLISHED JUNE 21, 1927. Class 23.

232,007. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed May 10, 1927. Serial No. 248,765. PUBLISHED JUNE 21, 1927. Class 42.

232,008. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL AND TOOL COMPANY, Boston, Mass.
Filed May 11, 1927. Serial No. 248,805. PUBLISHED JUNE 21, 1927. Class 23.

232,009. TYPEWRITER RIBBONS AND CARBON PAPER. THE CARTER'S INK COMPANY, Cambridge, Mass.
Filed May 11, 1927. Serial No. 248,812. PUBLISHED JUNE 21, 1927. Class 11.

232,010. HAND LOTION. MUSTER & BAUMAN, doing business as Embee Laboratories, Ridgewood, N. J.
Filed April 6, 1927. Serial No. 247,032. PUBLISHED JUNE 14, 1927. Class 6.

232,011. ANTISEPTIC ASTRINGENT. MUSTER & BAUMAN, doing business as The Ridgewood Pharmacy, Ridgewood, N. J.
Filed April 6, 1927. Serial No. 247,033. PUBLISHED JUNE 14, 1927. Class 6.

232,012. PREPARED WAX FOR POLISHES; PASTE, POWDER, AND LIQUID FOR FURNITURE, FLOORS, AUTOMOBILES, WOODWORK, AND LINOLEUM. GRACE SRAGER, doing business as Chatham Petroleum Company, New York, N. Y.
Filed April 6, 1927. Serial No. 247,045. PUBLISHED JUNE 14, 1927. Class 16.

232,013. WOOLEN PIECE GOODS. WARE WOOLEN COMPANY, Ware, Mass.
Filed April 6, 1927. Serial No. 247,050. PUBLISHED JUNE 7, 1927. Class 42.

232,014. MALTED BEVERAGES. DOMINIQUE BORDAGARAY, doing business as Golden Lion Distributing Co., San Francisco, Calif.
Filed April 9, 1927. Serial No. 247,163. PUBLISHED MAY 31, 1927. Class 48.

232,015. RADIO RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS; RADIO AND AUDIO FREQUENCY AMPLIFIER, LOUD SPEAKERS; DETECTOR, AMPLIFIER, TRANSMITTING, AND RECTIFYING VACUUM TUBES; VACUUM-TUBE SOCKETS, RADIO AND AUDIO FREQUENCY TRANSFORMERS, RHEOSTATS, GRID LEAKS, GRID CONDENSERS, INDUCTANCE AND COUPLING COILS, FIXED AND VARIABLE CONDENSERS, INSULATORS, CRYSTAL DETECTORS AND MOUNTINGS, ANTENNÆ AND ANTENNÆ EQUIPMENT, ANTENNÆ PROTECTORS, LOOP ANTENNÆ, TELEPHONE PLUGS AND JACKS, AND ELECTRICAL SWITCHES. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed April 9, 1927. Serial No. 247,171. PUBLISHED JUNE 14, 1927. Class 21.

232,016. RADIO-RECEIVING, DETECTING, AND TRANSMITTING SETS AND PARTS THEREOF; CRYSTAL RECEIVING SETS, REGENERATIVE RECEIVING SETS, RADIO AND AUDIO FREQUENCY AMPLIFIERS, LOUD SPEAKERS; DETECTOR, AMPLIFIER, TRANSMITTING, AND RECTIFYING VACUUM TUBES; VACUUM-TUBE SOCKETS, RADIO AND AUDIO FREQUENCY TRANSFORMERS, RHEOSTATS, GRID LEAKS, GRID CONDENSERS, INDUCTANCE AND COUPLING COILS, FIXED AND VARIABLE CONDENSERS, INSULATORS, CRYSTAL DETECTORS AND MOUNTINGS, ANTENNÆ, AND ANTENNÆ EQUIPMENT, ANTENNÆ PROTECTORS, LOOP ANTENNÆ, TELEPHONE PLUGS AND JACKS, AND ELECTRICAL SWITCHES. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed April 9, 1927. Serial No. 247,172. PUBLISHED JUNE 14, 1927. Class 21.

232,017. NONALCOHOLIC, MALTLESS CONCENTRATES, SIRUPS, AND FLAVORS USED IN THE PREPARATION OF SOFT DRINKS. BRECHET & RICHTER COMPANY, Minneapolis, Minn.
Filed March 1, 1927. Serial No. 245,046. PUBLISHED JUNE 14, 1927. Class 45.

232,018. AUTOMOBILE CLOCKS. PHINNEY-WALKER COMPANY, New York, N. Y.
Filed March 2, 1927. Serial No. 245,105. PUBLISHED MAY 31, 1927. Class 27.

232,019. TOILET PREPARATIONS—NAMELY, COLD CREAM, TOILET WATER, SKIN BLEACH, HAIR TONIC, SHAMPOO; AND SOLVENT FOR DRAIN-PIPE OBSTRUCTIONS AND LAUNDRY BLEACH. WESTERN SOAP & CHEMICAL CO., Los Angeles, Calif.
Filed March 3, 1927. Serial No. 245,175. PUBLISHED JUNE 21, 1927. Class 6.

232,020. BELTS IN THE NATURE OF GARMENT SUPPORTERS. ISIDORE LEIBOVITZ, doing business as S. & L. Belt Co., New York, N. Y.
Filed March 7, 1927. Serial No. 245,357. PUBLISHED MAY 31, 1927. Class 39.

232,021. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLED CANVAS SHOES. HOOD RUBBER COMPANY, Watertown, Mass.
Filed March 10, 1927. Serial No. 245,491. PUBLISHED MAY 31, 1927. Class 39.

232,022. CANE-SUGAR SIRUPS. GODCHAUX SUGARS INC., Reserve, La.
Filed March 11, 1927. Serial No. 245,547. PUBLISHED JUNE 14, 1927. Class 46.

232,023. DRESSES FOR MISSES AND WOMEN. CHARLES SALOMON & CO. INC., New York, N. Y.
Filed March 12, 1927. Serial No. 245,619. PUBLISHED MAY 31, 1927. Class 39.

232,024. CANNED SPINACH, CANNED SLICED PINEAPPLE, CANNED CRUSHED PINEAPPLE, CHILE CON CARNE, MUSTARD, OLIVES, SWEET PICKLES, CHILI SAUCE, COCOA, TEA, CATCHUP, VINEGAR, MAYONNAISE DRESSING, THOUSAND ISLAND DRESSING, AND SANDWICH SPREAD COMPOSED OF A MAYONNAISE BASE WITH SWEET PICKLE RELISH. ADAMS AND SONS GROCER COMPANY, Chillicothe, Mo.
Filed March 14, 1927. Serial No. 245,682. PUBLISHED JUNE 7, 1927. Class 46.

232,025. NONALCOHOLIC, MALTLESS FRUIT JUICES, FRUIT-JUICE COMPOUNDS, AND FRUIT-JUICE BEVERAGES. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y.
Filed March 14, 1927. Serial No. 245,691. PUBLISHED MAY 24, 1927. Class 45.

232,026. MEN'S COTTON GLOVES WITH PLAIN OR LEATHER PALM. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed March 15, 1927. Serial No. 245,785. PUBLISHED MAY 31, 1927. Class 39.

232,027. MEN'S COTTON GLOVES WITH PLAIN OR LEATHER PALM. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed March 15, 1927. Serial No. 245,786. PUBLISHED MAY 31, 1927. Class 39.

232,028. MEN'S COTTON GLOVES WITH PLAIN OR LEATHER PALMS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed March 15, 1927. Serial No. 245,787. PUBLISHED MAY 31, 1927. Class 39.

232,029. HANDKERCHIEFS. HELFENSTEIN-SCHLESINGER CO. INC., New York, N. Y.
Filed March 17, 1927. Serial No. 245,907. PUBLISHED JUNE 21, 1927. Class 42.

232,030. OLIVE OIL. ITALIAN GROCERS ASSOCIATION, Seattle, Wash.
Filed March 17, 1927. Serial No. 245,910. PUBLISHED JUNE 7, 1927. Class 46.

232,031. EXTRACTS OF PERFUMES AND OF TOILET WATERS. LORD & TAYLOR, New York, N. Y.
Filed March 17, 1927. Serial No. 245,916. PUBLISHED JUNE 21, 1927. Class 6.

232,032. FRESH DECIDUOUS FRUITS—NAMELY, APPLES, PEACHES, AND PLUMS; AND FRESH POMEGRANATES, FRESH GRAPES, AND FRESH FIGS; FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif.
Filed March 19, 1927. Serial No. 246,040. PUBLISHED JUNE 14, 1927. Class 46.

232,033. STORAGE TANKS FOR OIL AND WATER. CHICAGO BOILER COMPANY, Chicago, Ill.
Filed March 21, 1927. Serial No. 246,075. PUBLISHED JUNE 21, 1927. Class 2.

232,034. LAMINATED NONSHATTERABLE OR SAFETY GLASS. TRIPLEX SAFETY GLASS COMPANY OF NORTH AMERICA, Hoboken, N. J.
Filed March 22, 1927. Serial No. 246,183. PUBLISHED JUNE 21, 1927. Class 33.

232,035. A FORTUNE-TELLING GAME CONSISTING OF A BOX OF STICKS WITH NUMBERS THEREON WHICH CORRESPOND WITH LIKE NUMBERS IN A BOOK. THE PACIFIC DRY GOODS CO., San Francisco, Calif.
Filed March 23, 1927. Serial No. 246,221. PUBLISHED MAY 24, 1927. Class 22.

232,036. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ST. PAUL BOTTLING COMPANY, St. Paul, Minn.
Filed March 23, 1927. Serial No. 246,231. PUBLISHED JUNE 7, 1927. Class 45.

232,037. GINGER ROOT PRESERVED IN SIRUP, PRESERVED MIXED FRUIT, CHINESE SAUCE FOR MEATS AND OTHER FOODS, PRESERVED GUM GUT, (A CHINESE FRUIT.) JOE ENG, doing business as J. & J. Brothers, Chicago, Ill.
Filed April 19, 1926. Serial No. 230,389. PUBLISHED JUNE 14, 1927. Class 46.

232,038. ROAD MAPS, TOURIST GUIDES, BOOKS, AND PAMPHLETS CONTAINING PRINTED MATTER USEFUL TO TRAVELERS AND TOURISTS AND PRINTED FROM TIME TO TIME. ERNA FERGUSSON, doing business as Koshare Tours, Albuquerque, New Mexico.
Filed April 23, 1926. Serial No. 230,620. PUBLISHED JUNE 14, 1927. Class 38.

232,039. RADIOACTIVE MEDICINAL WATER. WILLIAM J. A. BAILEY, doing business as Bailey Radium Laboratories, East Orange, N. J., assignor to Pauline S. T. Bailey, trading as the Bailey Radium Laboratories, East Orange, N. J.
Filed April 27, 1926. Serial No. 230,781. PUBLISHED APRIL 26, 1927. Class 6.

232,040. PICKLES. MARTIN NIELSEN, Seattle, Wash.
Filed April 27, 1926. Serial No. 230,799. PUBLISHED JUNE 14, 1927. Class 46.

232,041. BEDS. AMERICAN PARLOR FURNITURE COMPANY, Chicago, Ill.
Filed April 28, 1926. Serial No. 230,815. PUBLISHED JUNE 21, 1927. Class 32.

232,042. RADIO VARIABLE CONDENSERS. PEARL RADIO CONDENSER CO. INC., New York, N. Y.
Filed May 7, 1926. Serial No. 231,277. PUBLISHED MAY 31, 1927. Class 21.

232,043. BOY'S HANDKERCHIEFS. S. W. MAGNUS & COMPANY, New York, N. Y.
Filed May 17, 1926. Serial No. 231,743. PUBLISHED JUNE 14, 1927. Class 42.

232,044. CANDY. NOVELTY CANDY CO., Seattle, Wash.
Filed June 9, 1926. Serial No. 232,933. PUBLISHED JUNE 21, 1927. Class 46.

232,045. SANITARY APRONS, SANITARY STEP-INS, SANITARY BLOOMERS, SANITARY PETTICOATS, SANITARY BELTS, AND SANITARY GIRDLES. C. J. HALEY & CO., INC., New York, N. Y.
Filed June 11, 1926. Serial No. 233,074. PUBLISHED JUNE 14, 1927. Class 44.

232,046. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS FOR MAKING SAME. THE QUEEN CITY BOTTLING COMPANY, Cincinnati, Ohio.
Filed June 14, 1926. Serial No. 233,229. PUBLISHED SEPTEMBER 7, 1926. Class 45.

232,047. OVERALLS. THE COLORADO OVERALL MANUFACTURING COMPANY, Denver, Colo.
Filed June 17, 1926. Serial No. 233,361. PUBLISHED AUGUST 31, 1926. Class 39.

232,048. VITREOUS AND PORCELAIN ENAMELS. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md.
Filed March 31, 1927. Serial No. 246,705. PUBLISHED JUNE 14, 1927. Class 16.

232,049. SOCKETS FOR ELECTRIC LIGHTS AND THE LIKE. WEBER ELECTRIC COMPANY, Schenectady, N. Y.
Filed March 30, 1927. Serial No. 246,649. PUBLISHED JUNE 7, 1927. Class 21.

232,050. ELECTRIC BATTERIES. ALBERT H. LUHRMAN, doing business as Consolidated Batteries Company, Cincinnati, Ohio.
Filed March 30, 1927. Serial No. 246,616. PUBLISHED MAY 31, 1927. Class 21.

232,051. LUBRICATING OILS. FORD MOTOR COMPANY, Detroit, Mich.
Filed March 30, 1927. Serial No. 246,606. PUBLISHED JUNE 7, 1927. Class 15.

232,052. ARTIFICIAL TEETH, DENTAL CEMENT, DENTAL WAXES, AND DENTAL INSTRUMENTS AND APPARATUS USED EXCLUSIVELY FOR DENTAL PURPOSES. THE AMALGAMATED DENTAL COMPANY LIMITED, London, England.
Filed March 30, 1927. Serial No. 246,585. PUBLISHED JUNE 14, 1927. Class 44.

232,053. NONALCOHOLIC, MALTLESS, NONCEREAL BEVERAGE SOLD AS A SOFT DRINK. SAMUEL SIMONOVITZ, doing business as S. Simonovitz & Co., Cleveland, Ohio.
Filed March 29, 1927. Serial No. 246,573. PUBLISHED JUNE 21, 1927. Class 45.

232,054. SCREENS OR SCREENING MACHINES FOR SORTING OR SIFTING ORES OR THE LIKE. THE TRAYLOR VIBRATOR COMPANY, Denver, Colo.
Filed March 28, 1927. Serial No. 246,515. PUBLISHED JUNE 21, 1927. Class 23.

232,055. CANNED VEGETABLES. INDERRIEDEN CANNING CO., Chicago, Ill., assignor to The J. B. Inderrieden Co., Chicago, Ill., a Corporation of Illinois.
Filed March 24, 1927. Serial No. 246,287. PUBLISHED JUNE 14, 1927. Class 46.

232,056. RADIO EQUIPMENT, PARTICULARLY A REPRODUCER FOR UTILIZING A RADIO SET FOR REPRODUCING THE SELECTION ON A PHONOGRAPH DISK. THE ELEC-TRU-TONE CORPORATION, Los Angeles, Calif.
Filed March 24, 1927. Serial No. 246,271. PUBLISHED MAY 31, 1927. Class 21.

232,057. SWIMMING SUITS. SPORTCRAFT KNITTING & MANUFACTURING CO., Seattle, Wash.
Filed July 6, 1926. Serial No. 234,233. PUBLISHED AUGUST 17, 1926. Class 39.

232,058. RADIO RECEIVING SETS AND PARTS AND ACCESSORIES, COMPRISING PLUGS, CONNECTERS, JACKS, RHEOSTATS, LIGHTNING ARRESTERS, HEAD PHONES, EAR PHONES, LOUD SPEAKERS, AUDIOTUBES, CONDENSERS, RECEIVER CORDS, AUDIO AND RADIO FREQUENCY TRANSFORMERS, SPAGHETTI TUBING, CRYSTAL DETECTORS, ASSEMBLED DETECTOR UNITS, TUBE RECEPTACLES, SWITCH LEVERS, SWITCH-LEVER SETS, CONTACT POINTS, SWITCH STOPS, BINDING POSTS, ANTENNÆ, ANTENNA SOCKETS, INSULATORS, AND DIALS. AJAX ELECTRIC SPECIALTY COMPANY, St. Louis, Mo.
Filed July 12, 1926. Serial No. 234,427. PUBLISHED JUNE 7, 1927. Class 21.

232,059. MALT SIRUP FOR FOOD PURPOSES. P. J. GLOECKNER, doing business as Capital City Distributing Company, Columbus, Ohio.
Filed April 9, 1927. Serial No. 247,182. PUBLISHED JUNE 21, 1927. Class 48.

232,060. LAUNDRY AND WASHING POWDER HAVING INCIDENTAL WATER-SOFTENING PROPERTIES. MILROY PRODUCTS, INC., Philadelphia, Pa.
Filed April 9, 1927. Serial No. 247,199. PUBLISHED JUNE 14, 1927. Class 4.

232,061. TOILET CREAMS, NASAL CREAMS, TOILET LOTIONS, TOILET POWDERS, TOILET WATERS, DEODORANT, PETROLEUM JELLY, SHAMPOO, SKIN BLEACH, DEPILATORIES, ROUGES, LIP STICKS, EYEBROW AND EYELASH PENCILS AND COSMETICS, PERFUMES IN LIQUID AND POWDER FORM, DRESSING FOR THE HAIR, HAIR TONIC, SACHET, BATH SALTS, TOOTH PASTE AND POWDER; BRILLIANTINE, POMADE, ASTRINGENT, LIQUID CUTICLE REMOVER, NAIL POLISH, NAIL POWDER, NAIL WHITENING, TALCUM POWDERS, BAY RUM, WITCH-HAZEL, DENTAL MASSAGE PASTE, MOUTH WASH, COLOGNE, SCALP TONICS, HAIR OILS, SMELLING SALTS, INCENSES, FOOT POWDERS, FOOT OINTMENTS, SALVES AND CREAMS FOR THE TREATMENT OF THE HAIR AND SKIN, BANDOLINE, DUSTING POWDERS, COLD CREAM FOR USE AFTER SHAVING, BEAUTY CLAY; DENTIFRICES IN PASTE, POWDER, AND LIQUID FORM; GLYCERIN, AND ROSE WATER. THE PEROXIDE CHEMICAL CO., St. Louis, Mo.
Filed April 9, 1927. Serial No. 247,207. PUBLISHED JUNE 14, 1927. Class 6.

232,062. PICTURE FRAMES. REXGOLD MANUFACTURING COMPANY, Wilmington, Del.
Filed April 9, 1927. Serial No. 247,212. PUBLISHED JUNE 14, 1927. Class 32.

232,063. MALT SIRUP. JOSEPH F. DENEND, doing business as Wurzenburg Malt Extract Co., Chicago, Ill.
Filed April 11, 1927. Serial No. 247,264. PUBLISHED JUNE 21, 1927. Class 48.

232,064. CIGARS. JOHN H. SWISHER & SON, INCORPORATED, Newark, Ohio.
Filed April 11, 1927. Serial No. 247,296. PUBLISHED MAY 31, 1927. Class 17.

232,065. FRENCH BRACES. TEMPLETON, KENLY & COMPANY, LIMITED, Chicago, Ill.
Filed April 11, 1927. Serial No. 247,299. PUBLISHED JUNE 14, 1927. Class 28.

232,066. HEATING ELEMENTS DESIGNED FOR USE IN REPAIRING OF ELECTRICAL HOUSEHOLD UTILITIES. THEODORE A. DIEM, doing business as Diem Electric Co., Chicago, Ill.
Filed April 12, 1927. Serial No. 247,315. PUBLISHED JUNE 14, 1927. Class 21.

232,067. EDUCATIONAL EASELS. GRACE L. BROWN, Cleveland, Ohio, and Chicago, Ill.
Filed April 16, 1927. Serial No. 247,518. PUBLISHED JUNE 21, 1927. Class 32.

232,068. DRY BATTERIES. DRY STORAGE BATTERY CORPORATION, Philadelphia, Pa.
Filed April 15, 1927. Serial No. 247,464. PUBLISHED JUNE 14, 1927. Class 21.

232,069. BELTING. QUAKER CITY RUBBER COMPANY, Wissinoming and Philadelphia, Pa.
Filed April 14, 1927. Serial No. 247,446. PUBLISHED JUNE 21, 1927. Class 35.

232,070. MECHANICALLY-OPERATED DIRECTION SIGNALS FOR AUTOMOBILES. JAMES L. MCGEANE, Buffalo, N. Y.
Filed April 12, 1927. Serial No. 247,338. PUBLISHED JUNE 21, 1927. Class 23.

232,071. FURNITURE, PARTICULARLY TABLES, TOPS FOR TABLES, KITCHEN CABINETS, TOPS FOR KITCHEN CABINETS, AND STOOLS. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY, OF BALTIMORE, Baltimore, Md.
Filed March 31, 1927. Serial No. 246,707. PUBLISHED JUNE 21, 1927. Class 32.

232,072. VITREOUS AND PORCELAIN ENAMELS. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md.
Filed March 31, 1927. Serial No. 246,708. PUBLISHED JUNE 14, 1927. Class 16.

232,073. MEDICINAL TABLETS FOR USE IN RELIEVING HEADACHE, NEURALGIA, TOOTHACHE, AND PREVENTING AND RELIEVING COLDS. LABORATORIES JAQ INCORPORATED, New York, N. Y.
Filed March 17, 1927. Serial No. 245,912. PUBLISHED JUNE 14, 1927. Class 6.

232,074. ADULTS' AND CHILDREN'S KNITTED AND TEXTILE FABRIC UNDERWEAR. STEP-IN-ALL UNDERWEAR CORP., Springfield, Mass.
Filed March 16, 1927. Serial No. 245,869. PUBLISHED MAY 31, 1927. Class 39.

232,075. ELECTRIC REFRIGERATORS, REFRIGERATOR PARTS, REFRIGERATOR SYSTEMS, AND FILTERS. ELECTROLUX SERVEL CORPORATION, New York, N. Y.
Filed April 26, 1927. Serial No. 247,991. PUBLISHED JUNE 14, 1927. Class 31.

232,076. CURED FISH—NAMELY, DRIED OR SALTED CODFISH. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass.
Filed April 26, 1927. Serial No. 247,998. PUBLISHED JUNE 21, 1927. Class 46.

232,077. DISPENSING DEVICES INTENDED FOR DISPENSING MUSTARD, OILS, MAYONNAISE, CREAMS, AND OTHER PRODUCTS OF LIKE NATURE. MUSTOMATIK SPECIALTIES, INC., New York, N. Y.
Filed April 27, 1927. Serial No. 248,048. PUBLISHED JUNE 14, 1927. Class 23.

232,078. PUMPS. THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio.
Filed April 28, 1927. Serial No. 248,091. PUBLISHED JUNE 21, 1927. Class 23.

232,079. WATER-SOFTENING APPARATUS. THE DAYTON PUMP & MANUFACTURING COMPANY, Dayton, Ohio.
Filed April 28, 1927. Serial No. 248,093. PUBLISHED JUNE 21, 1927. Class 23.

232,080. RADIOTRANSFORMERS, RADIO RECEIVING SETS, LOUD SPEAKERS AND UNITS, TUNING UNITS, PLUGS, VARIABLE CONDENSERS, JACKS, DIALS, AND SOCKETS. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed April 29, 1927. Serial No. 248,166. PUBLISHED JUNE 14, 1927. Class 21.

232,081. WEEKLY PUBLICATION. PIONEER PUBLISHING CO., Oak Park, Ill.
Filed April 29, 1927. Serial No. 248,194. PUBLISHED JUNE 14, 1927. Class 38.

232,082. HATCHETS AND CRATE OPENERS. DAVID COHEN, doing business as Reliant Supply Company, New York, N. Y.
Filed April 30, 1927. Serial No. 248,222. PUBLISHED JUNE 21, 1927. Class 23.

232,083. TIRE PUMPS AND JACKS. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.
Filed April 30, 1927. Serial No. 248,229. PUBLISHED JUNE 14, 1927. Class 23.

232,084. LUBRICANT LAXATIVE FOR ANIMALS. EMMA PENELOPE PAULI, doing business as Velva Chemical Co., New York, N. Y.
Filed April 30, 1927. Serial No. 248,246. PUBLISHED JUNE 14, 1927. Class 6.

232,085. WEEKLY PUBLICATION. PIONEER PUBLISHING CO., Oak Park, Ill.
Filed April 30, 1927. Serial No. 248,250. PUBLISHED JUNE 14, 1927. Class 38.

232,086. COMIC STRIP. N E A SERVICE, INC., Cleveland, Ohio.
Filed May 2, 1927. Serial No. 248,315. PUBLISHED JUNE 14, 1927. Class 38.

232,087. MEN'S AND WOMEN'S FUR COATS AND FUR-TRIMMED COATS AND WOMEN'S FUR CAPES, AND FUR-TRIMMED CAPES, FUR CLOAKS AND FUR-TRIMMED CLOAKS, AND FUR NECK PIECES. IDEL MARKOWITZ, doing business as The Penn Fur Company, New York, N. Y.
Filed March 22, 1927. Serial No. 246,170. PUBLISHED MAY 31, 1927. Class 39.

232,088. SILK HOSIERY. ARTSIL HOSIERY MILLS, INC., New York, N. Y.
Filed March 22, 1927. Serial No. 246,145. PUBLISHED MAY 31, 1927. Class 39.

232,089. SCHOOL BLANK BOOKS CONSISTING OF WRITING TABLETS, PENMANSHIP TABLETS, EXAMINATION TABLETS, SPELLING-BOOK BLANKS, DRAWING TABLETS, NOTEBOOKS, AND COMPOSITION BOOKS. THE DUDLEY PAPER CO., Lansing, Mich.
Filed March 21, 1927. Serial No. 246,087. PUBLISHED JUNE 14, 1927. Class 37.

232,090. WHISKY. THE KENTUCKY HOLDING CORPORATION, Louisville, Ky.
Filed March 19, 1927. Serial No. 246,031. PUBLISHED MAY 31, 1927. Class 49.

232,091. MAGAZINE. JOHNSTON EXPORT PUBLISHING CO., New York, N. Y.
Filed March 18, 1927. Serial No. 245,991. PUBLISHED MAY 31, 1927. Class 38.

232,092. MEN'S AND YOUNG MEN'S SUITS IN ONE, TWO, THREE, AND FOUR PIECE GARMENTS. L. J. & C. D. JAFFER, INC., New York, N. Y.
Filed March 18, 1927. Serial No. 245,989. PUBLISHED MAY 31, 1927. Class 39.

232,093. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed March 18, 1927. Serial No. 245,988. PUBLISHED MAY 31, 1927. Class 39.

232,094. COD-LIVER OIL FOR POULTRY AND STOCK. JOHN WHITE, JR., doing business as New Brunswick Laboratories, New Brunswick, N. J.
Filed March 17, 1927. Serial No. 245,948. PUBLISHED JUNE 14, 1927. Class 6.

232,095. MEDICINE FOR COLDS, LA GRIPPE, AND FLU. WARREN P. RASH, Middlesboro, Ky.
Filed February 2, 1926. Serial No. 226,785. PUBLISHED APRIL 26, 1927. Class 6.

232,096. MEDICINAL PREPARATION, PARTICULARLY FOR REMINERALIZATION OF TOOTH AND BONE STRUCTURE. CHARLES A. MEYER, doing business as The Alphaden Company, Chicago, Ill.
Filed May 13, 1927. Serial No. 248,965. PUBLISHED JUNE 21, 1927. Class 6.

232,097. CANDY. BUR-BEE CANDY CO., Walla Walla, Wash.
Filed May 14, 1927. Serial No. 248,994. PUBLISHED JUNE 21, 1927. Class 46.

232,098. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, ALSO GINGER ALE, CREAM SODA, AND TABLE WATER. O'KEEFE'S BEVERAGES, LIMITED, Toronto, Ontario, Canada.
Filed January 13, 1928. Serial No. 174,588. PUBLISHED MAY 24, 1927. Class 45.

232,099. MAYONNAISE AND RUSSIAN DRESSING. HOSTESS PRODUCTS CORP., New York, N. Y.
Filed March 26, 1924. Serial No. 194,447. PUBLISHED JUNE 7, 1927. Class 46.

232,100. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. HARRISON & EICHENLAUB, Chicago, Ill.; said Eichenlaub assignor to said Harrison.
Filed July 11, 1924. Serial No. 199,887. PUBLISHED JUNE 21, 1927. Class 45.

232,101. BOND PAPER. CARBW MANUFACTURING COMPANY, South Hadley Falls, Mass.
Filed January 22, 1925. Serial No. 208,454. PUBLISHED FEBRUARY 2, 1926. Class 37.

232,102. RADIO APPARATUS, PARTS AND SUPPLIES—NAMELY, DIALS, SOCKETS, JACKS, PLUGS, RHEOSTATS, CONDENSERS, SWITCHES, AND VERNIER ATTACHMENTS FOR DIALS. THE MAZDA RADIO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 13, 1925. Serial No. 212,628. PUBLISHED MAY 31, 1927. Class 21.

232,103. INTERNAL-COMBUSTION ENGINES FOR GENERAL POWER APPLICATION; COMPLETE INDUSTRIAL POWER UNITS FOR GENERAL POWER APPLICATION, EACH UNIT INCLUDING AN INTERNAL-COMBUSTION ENGINE MOUNTED IN A FRAME WITH COOLING FLUID AND FUEL TANKS; REPLACEMENT AND SPARE PARTS FOR SUCH ENGINES AND POWER UNITS; AND ACCESSORIES FOR SUCH ENGINES AND POWER UNITS INCLUDING CARBURETORS, FUEL ECONOMIZERS, FUEL HEATERS, SUPERCHARGING DEVICES, GOVERNORS AND CONTROLLING DEVICES, GEARING AND TRANSMISSION DEVICES INCLUDING CLUTCHES, LUBRICATING DEVICES AND LUBRICANT-PURIFYING DEVICES, AIR CLEANERS AND REGULATORS, FUEL FEEDING AND PURIFYING DEVICES, AND ENGINE VIBRATION DAMPERS. CONTINENTAL MOTORS CORPORATION, Detroit, Mich.
Filed April 25, 1925. Serial No. 213,279. PUBLISHED JUNE 21, 1927. Class 28.

232,104. BRUSHES—NAMELY, WALL, SCRUBBING, CLOTHES, PAINT, VARNISH, WHITEWASH, SHAVING, TOOTH, AND HAIR BRUSHES. STAR BRUSH MANUFACTURING CO. INC., Brooklyn, N. Y.
Filed May 11, 1925. Serial No. 214,187. PUBLISHED MAY 25, 1926. Class 29.

232,105. CEREAL MALT BEVERAGE. NEW ENGLAND BREWING CO., doing business as Suffolk Brewing Company, Boston, Mass.
Filed June 30, 1925. Serial No. 216,688. PUBLISHED MARCH 2, 1926. Class 48.

232,106. FROCKS, DRESSES, AND GOWNS. ARONSON MANUFACTURING COMPANY, Dallas, Tex.
Filed August 1, 1925. Serial No. 218,238. PUBLISHED APRIL 26, 1927. Class 39.

232,107. ELECTRICAL INSULATORS, INSULATOR FITTINGS, AND INSULATOR PINS. THE R. THOMAS & SONS CO., East Liverpool, Ohio.
Filed August 27, 1925. Serial No. 219,459. PUBLISHED JUNE 7, 1927. Class 21.

232,108. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE. FRED W. WILSON, INC., doing business as Sunrise Ginger Ale Co., Sag Harbor, N. Y.
Filed October 2, 1925. Serial No. 221,152. PUBLISHED DECEMBER 22, 1925. Class 45.

232,109. PAINT, SHAVING, HAIR, TOOTH, AND HAND BRUSHES. RUBBERSET COMPANY, Newark, N. J., assignor to Rubber & Celluloid Products Company, a Corporation of New Jersey.
Filed October 8, 1925. Serial No. 221,455. PUBLISHED JUNE 14, 1927. Class 29.

232,110. PAINT, SHAVING, HAIR, TOOTH, AND HAND BRUSHES. RUBBERSET COMPANY, Newark, N. J., assignor to Rubber & Celluloid Products Company, a Corporation of New Jersey.
Filed October 8, 1925. Serial No. 221,456. PUBLISHED JUNE 14, 1927. Class 29.

232,111. TOMATO PASTE AND CATCHUP. ALEXANDRIA PACKING CORPORATION, Alexandria, Ind.
Filed January 8, 1926. Serial No. 225,635. PUBLISHED DECEMBER 28, 1926. Class 46.

232,112. NONALCOHOLIC, MALTLESS BEVERAGES USED AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. C. M. BROOKE & SONS, South Melbourne, Victoria, Australia.
Filed January 9, 1926. Serial No. 225,700. PUBLISHED MAY 24, 1927. Class 45.

232,113. STORAGE TANKS, METAL SHIPPING DRUMS. UNION TANK & PIPE CO., Los Angeles, Calif.
Filed January 30, 1926. Serial No. 226,698. PUBLISHED JUNE 21, 1927. Class 2.

232,114. CIGARS. CONSOLIDATED CIGAR CORPORATION, New York, N. Y.
Filed May 13, 1927. Serial No. 248,954. PUBLISHED JUNE 21, 1927. Class 17.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

232,115. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW HAVEN LABORATORIES, INC., New Haven and Milford, Conn. Filed July 9, 1927. Serial No. 251,787.

NO-BITE

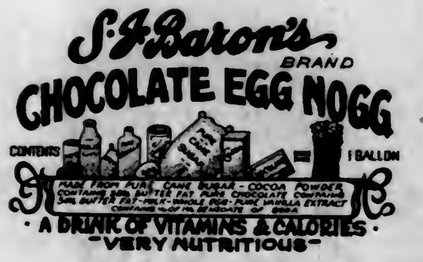
Particular description of goods.—Skin Cream.
Claims use since July 1, 1913.

232,116. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INDEPENDENT SALT COMPANY, New York, N. Y. Filed June 9, 1927. Serial No. 250,242.

CERTIFIED

Particular description of goods.—Salt.
Claims use since July 7, 1926.

232,117. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SAUL J. BARON CORPORATION, New York, N. Y. Filed June 21, 1927. Serial No. 250,830.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since June, 1923.

232,118. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. FORD COMPANY, Wyandotte, Mich. Filed June 18, 1925. Serial No. 215,975.

Wyandotte

Particular description of goods.—Cleaning and Cleansing Materials Comprising Dry Soluble Alkali Powders, Combinations, and Mixtures Thereof for Cleaning, Cleansing, Scrubbing, Scouring, and Washing for Household, Laundry, Factory, and Other General Cleaning Purposes, Soap Powders, Burnishing Powder, Platers' Powder, Rustproof Metal Cleaner, Aluminum Cleaner, Electro Cleaner—Namely, Compounds of Alkalies Used for Removing Oils and Greases from Metals Before Plating, Metal Cleaners, Fruit Canner's Cleaner, Detergent for General and Industrial Cleaning and Cleansing Marble, Tile, Etc., Special and Modified Alkali Cleaner and Cleanser for Use in Creameries, Laundries, and General Cleaning, and Commercial and Modified Soda Ash Prepared for Washing, Cleaning, and Detergence.
Claims use since May 13, 1899.

232,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUNNALLY COMPANY, Atlanta, Ga. Filed July 31, 1926. Serial No. 235,415.

"DEXTROSEPOPS"

Particular description of goods.—Candy.
Claims use since July 26, 1926.

232,120. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARDEN CHEMICAL COMPANY, New York, N. Y. Filed Aug. 28, 1926. Serial No. 236,585.

EYE BANDELETTES

Particular description of goods.—Eye Bandages.
Claims use since January, 1916.

232,121. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMERICAN FLOOR SURFACING MACHINE CO., Toledo, Ohio. Filed Jan. 4, 1927. Serial No. 242,331.

RAPIDO

Particular description of goods.—Grinding, Surfacing, and Abrasive Stones.
Claims use since December, 1923.

232,122. (CLASS 31. FILTERS AND REFRIGERATORS.) A. C. WICKE MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 17, 1927. Serial No. 245,944.



Particular description of goods.—Refrigerator Display Cases.
Claims use since about February, 1923.

232,123. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) COBB & DREW, INC., Kingston and Plymouth, Mass. Filed June 16, 1927. Serial No. 250,604.

PLYMOUTH RIVETS

Particular description of goods.—Rivets.
Claims use since Apr. 1, 1897.

232,124. (CLASS 39. CLOTHING.) PARISTYLE FOOTWEAR MFG. CO., INC., Brooklyn, N. Y. Filed June 16, 1927. Serial No. 250,632.

Paristyle

Particular description of goods.—Footwear—Namely, Turn Mules, Mules, D'Orsays, and Slippers Made of Satin, Leather, Brocade, and Similar Fabrics.
Claims use since Dec. 1, 1923.

232,125. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW YORK CANNERS, INC., Rochester, N. Y. Filed June 24, 1927. Serial No. 251,079.

ESSEX

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since March, 1920.

232,126. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. A. FOLGER & COMPANY, San Francisco, Calif. Filed July 11, 1927. Serial No. 251,826.



Particular description of goods.—Coffee.
Claims use since Feb. 10, 1926.

232,127. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HOWARD W. NAYLOR, Morris, N. Y. Filed July 23, 1927. Serial No. 252,475.

DR. NAYLOR'S

Particular description of goods.—Teat Dilator.
Claims use since May 1, 1925.

232,128. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN H. ALBRIGHT, Hanover, Pa. Filed July 1, 1927. Serial No. 251,372.

HANOVER

Particular description of goods.—Razors and Barber Shears.
Claims use since June 20, 1922.

232,129. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KELLY DRY PURE JUICE CORPORATION, New York, N. Y. Filed June 28, 1927. Serial No. 251,229.

Kelly DRY

Particular description of goods.—Ginger Ale and Sirup, Extract, and Concentrate for Making the Same.
Claims use since Dec. 1, 1925.

232,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EASTER WATTS, New Haven, Conn. Filed May 5, 1927. Serial No. 248,540.

WATT'S

Particular description of goods.—A Rheumatic Medicine.
Claims use since September, 1923.

232,131. (CLASS 37. PAPER AND STATIONERY.) THE IMPRINT PENCIL COMPANY, INC., New York, N. Y. Filed Mar. 22, 1927. Serial No. 246,161.

the "Write" Gift
de Luxe set

Particular description of goods.—Pencils and Pens.
Claims use since Feb. 20, 1924.

232,132. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JORDAN STABLER COMPANY, Baltimore, Md. Filed Feb. 26, 1927. Serial No. 244,937.

SMITHFIELD SPREAD

Particular description of goods.—Sandwich Filling Made from Ham and Other Ingredients.
Claims use since Apr. 21, 1926.

232,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM I. SELLERS, doing business as Sellers Drug Company, Toulminville, Mobile, Ala. Filed Feb. 19, 1927. Serial No. 244,630.

SELLERS
FLY DETH

Particular description of goods.—Insecticide.
Claims use since Dec. 1, 1925.

232,134. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD D. CLARK, Kansas City, Mo., assignor to Jelly Maker Incorporated, Kansas City, Mo., a Corporation of Missouri. Filed Jan. 26, 1927. Serial No. 243,348.

JELLY-MAKER

Particular description of goods.—Flavoring Composition—Namely, Condensed Fruit Juice, Apple Pectin, and Fruit Acid.
Claims use since July 14, 1926.

232,135. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARSHALL C. WOOD MANUFACTURING COMPANY, Truxton, N. Y. Filed June 26, 1926. Serial No. 233,800.

Perliwhite

Particular description of goods.—Kitchen, Tea-Room, Hotel, Breakfast, Restaurant, Lunch-Stand, Café, and Radio Tables.
Claims use since Apr. 9, 1926.

232,136. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OXWELD ACETYLENE COMPANY, New York, N. Y. Filed June 24, 1926. Serial No. 233,699.

FERRO FLUX

Particular description of goods.—Welding Fluxes.
Claims use since about Jan. 1, 1912.

232,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GAROFALO BROTHERS, Chicago, Ill. Filed Dec. 27, 1926. Serial No. 241,996.

TIVOLI

Particular description of goods.—Canned Fruits—Namely, Canned Peaches, Canned Apricots, Canned Pineapple, Blackberry Preserves, Canned Cherries, Canned Figs, and Orange Marmalade; Canned Vegetables—Namely, Canned Corn, Canned Tomatoes, Canned Peas, and Canned Beans; Canned Sea Food—Namely, Canned Lobster, Canned Clams, Canned Oysters, Canned Tunny, and Canned Shrimp; Coffee, Tea; Food-Flavoring Extracts—Namely, Vanilla and Lemon; Spices—Namely, Ginger, Allspice, Pepper, Mustard, and Nutmeg; Olive Oil, Salad Oil, Pickles, Chili Sauce, Green and Ripe Olives, Tomato Catchup; Alimentary Products—Namely, Macaroni, Spaghetti, Vermicelli, and Noodles; Canned Soups—Namely, Bean, Clam Chowder, and Tomato; Breakfast Cereals, Butter, Cheese, Chili Con Carne, Vinegar, Condensed Milk, Wheat Flour, Table Sirup; Peanut Butter, Canned Mincemeat.
Claims use since July 20, 1926.

232,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM RIVERA, San Francisco, Calif. Filed Sept. 21, 1926. Serial No. 237,514.

CASTORMULSION

Particular description of goods.—Castor Oil.
Claims use since June 15, 1926.

232,139. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JULIUS RUMPEL, Weston, Mo. Filed Aug. 2, 1926. Serial No. 235,496.



RAINSHED

Particular description of goods.—Chemical Composition for Use on Auto Windshields for Cleaning and Maintaining a Clear Vision During Rainstorms and Also Useful on Headlight Lenses, Locomotive-Cab Windows, Street Cars, Show Windows, Etc.
Claims use since June 15, 1926.

232,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSCOE D. BAYLESS, doing business as City Drug Co., Rogersville, Tenn. Filed July 29, 1926. Serial No. 235,294.

BAYLESS

Particular description of goods.—Medicinal Preparation in the Nature of a Laxative.
Claims use since July 1, 1926.

232,141. (CLASS 32. FURNITURE AND UPHOLSTERY.) MARSHALL C. WOOD MANUFACTURING COMPANY, Truxton, N. Y. Filed June 26, 1926. Serial No. 233,801.

Perligray

Particular description of goods.—Kitchen, Tea-Room, Hotel, Breakfast, Restaurant, Lunch-Stand, Café, and Radio Tables.
Claims use since June 10, 1926.

232,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA BENEFICA DRUG CO., INC., doing business as The Doyen's Laboratories, Tampa, Fla. Filed June 11, 1926. Serial No. 233,084.

DOYEN'S WINE

Particular description of goods.—Tonic to be Taken for the Treatment of Anemia, Neurasthenia, Nervous Debility, and Loss of Appetite.
Claims use since Mar. 30, 1926.

232,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVIS-JOHNSON CO., Chicago, Ill. Filed Dec. 18, 1925. Serial No. 224,864.

Plasmogen

Particular description of goods.—Medicinal Compound, Particularly a Remineralized Nontoxic Product for Treatment of Blood.
Claims use since June 20, 1925.

232,144. (CLASS 32. FURNITURE AND UPHOLSTERY.) KLAMER FACTORIES, INC., Evansville, Ind. Filed Aug. 24, 1925. Serial No. 219,288.

WE MAKE IT
Klamer
FURNITURE
EVANSVILLE, INDIANA

Particular description of goods.—Bedroom Furniture Consisting of Dresser, Bed, Vanity, Chiffonobe, Chiffonette, Chest, Night Table, Chair, Rocker, Bench, Divan; Dining-Room Furniture Consisting of Table, Buffet, China Closet, Server, Chairs; Upholstered Furniture Consisting of Davenport, Wing Chair, Chairs, Rockers; Kitchen or Breakfast Room Furniture Consisting of Tables, Chairs, Cabinets; Novelty Furniture Consisting of Tables, Smokers, Book Racks, Magazine Racks, Wall Racks, Radio Cabinets.
Claims use since Jan. 1, 1923.

232,145. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Filed July 31, 1925. Serial No. 218,154.

Carreaux Cloth

Particular description of goods.—Woolen Dress Goods, Especially Woolens in the Piece.
Claims use since about May 1, 1925.

232,146. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) "IPAK" INTERNATIONALE FABRIKATIONS-GESELLSCHAFT FÜR KAUTSCHUKWAREN, m. b. H., Berlin, Germany. Filed June 2, 1925. Serial No. 215,207.

„Zepp - Zepp"

Particular description of goods.—Inflated Toys Simulating Birds and Fowls.
Claims use since Mar. 26, 1925.

TRADE-MARK REGISTRATIONS RENEWED

30,129. SHEET GLASS. Registered June 1, 1897. MISSISSIPPI GLASS COMPANY, St. Louis, Mo. Renewed June 1, 1927, to Mississippi Glass Company, New York, N. Y., a Corporation of New York, successor.

30,282. LEAF TOBACCO. Registered June 29, 1897. F. MIRANDA & Co., New York, N. Y. Renewed June 29, 1927.

30,385. CHOCOLATE CREAMS. Registered July 13, 1897. JOHN KRANZ. Renewed July 13, 1927, to Florence M. Kranz, Chicago, Ill., successor.

30,401. CERTAIN-NAMED TABLE DELICACIES. Registered July 20, 1897. THE OTTO KUEHNE PRESERVING Co. Renewed July 20, 1927, to Kuehne Brothers, Topeka, Kans., successor.

30,465. RUBBER PACKING. Registered August 3, 1897. WILLIAM J. GORHAM, San Francisco, Calif. Renewed August 3, 1927, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y., a Corporation of New Jersey, assignee by mesne assignments.

30,593. POWDERS, PASTES, SALVES, AND PILLS. Registered September 28, 1897. APOTHEKER LUDWIG SELL & Co., Munich, Germany. Renewed September 28, 1927, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a Corporation of Delaware, assignee.

30,598. MUSICAL INSTRUMENTS. Registered October 5, 1897. CHARLES MEISEL. Renewed October 5, 1927, to C. Meisel, Inc., New York, N. Y., a Corporation of New York, assignee.

30,603. PAPER BAGS. Registered October 5, 1897. UNION BAG AND PAPER COMPANY, Chicago, Ill. Renewed October 5, 1927, to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y., a Corporation of New Jersey, assignor.

30,633. GINGER ALE AND SODA WATER. Registered October 5, 1897. W. A. ROSS & SONS, LIMITED, Belfast, Ireland, a Corporation of Great Britain and Northern Ireland. Renewed October 5, 1927.

30,694. ATOMIZERS, LARYNGOSCOPES, RECTAL DILATORS, STERILIZERS, AND BACTERIOLOGICAL INCUBATORS. Registered October 19, 1897. WILLIAM BOEKEL & Co. Renewed October 19, 1927, to Julius Boekel, Philadelphia, Pa., successor.

30,721. CERTAIN-NAMED IRON AND STEEL MANUFACTURES. Registered October 19, 1897. THE FIRM OF FRIED. KRUPP. Renewed October 19, 1927, to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany, a Corporation of Germany, assignee.

30,786. SOAPS, POWDERS, DETERGENTS, GLYCERIN, MATCHES, TAPERS, STARCH, BLUE, CANDLES, SODA, AND DISINFECTANTS. Registered November 2, 1897. LEVER BROTHERS, LIMITED, Port Sunlight, England. Renewed November 2, 1927, to Lever Brothers Company, Cambridge, Mass., a Corporation of Maine, assignee.

30,834. CUTLERY AND EDGE TOOLS. Registered November 9, 1897. HENRY TAYLOR. Renewed November 9, 1927, to Henry Taylor, Limited, Sheffield, England, a Corporation of Great Britain, assignee.

30,864. ELECTRICAL INSULATORS CONSISTING OF A BLACK LIQUID TO BE APPLIED WITH A BRUSH. Registered November 16, 1897. MICA INSULATOR COMPANY, New York, N. Y.; Chicago, Ill.; San Francisco, Calif.; St. Louis, Mo.; and Cincinnati, Ohio. Renewed November 16, 1927, to Mica Insulator Company, New York, N. Y., a Corporation of New Jersey.

30,868. SEWING COTTON, LINEN AND HEMP YARN AND THREAD, JUTE YARNS; SILK, SPUN, THROWN, OR SEWING; AND YARNS OF WOOL, WORSTED, OR HAIR AND BRAIDS, FANCY TRIMMING (PASSEMENTERIE) COMPOSED OF MATERIALS OF ALL KINDS. Registered November 16, 1897. AKTIENGESELLSCHAFT FUR TEXTIL-INDUSTRIE, VORMALS DOLLFUS-MIEG & CIE., Mulhausen, Germany; Belfort and Paris, France. Renewed November 16, 1927, to Dollfus Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin), France, a Corporation of France, successor.

30,869. SEWING COTTON, LINEN AND HEMP YARN AND THREAD, JUTE YARNS; SILK, SPUN, THROWN, OR SEWING; AND YARNS OF WOOL, WORSTED, OR HAIR. Registered November 16, 1897. AKTIENGESELLSCHAFT FÜR TEXTIL-INDUSTRIE, VORMALS DOLLFUS-MIEG & CIE., Mulhausen, Germany; Belford and Paris, France. Renewed November 16, 1927, to Dollfus Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin), France, a Corporation of France, successor.

30,901. WRITING PAPER. Registered November 23, 1897. GEORGE H. SIMPSON. Renewed November 23, 1927, to Wm. G. Willmann Paper Co. Inc., New York, N. Y., a Corporation of New York, successor.

30,994. BRAIDED SASH CORD. Registered December 21, 1897. GEO. B. CARPENTER & Co. Renewed December 21, 1927, to Geo. B. Carpenter & Co., Chicago, Ill., a Corporation of Illinois, assignee.

31,000. MANUFACTURED IMITATION LEATHER AND INSULATING MATERIAL. Registered December 21, 1897. THE PANTASOTE LEATHER COMPANY, Passaic, N. J., a Corporation of New Jersey. Renewed December 21, 1927.

31,010. WASHING BLUE. Registered December 21, 1897. J. & J. COLMAN, LIMITED, Norwich and London, England, a Corporation of Great Britain. Renewed December 21, 1927.

31,025. FLOUR. Registered December 21, 1897. SPRAGUE, WARNER & COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed December 21, 1927.

31,026. "FLOUR MADE FROM WHEAT." Registered December 21, 1897. HENRY H. KING. Renewed December 21, 1927, to H. H. King Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, assignee.

31,078. GRASS, CLOVER, AND FIELD SEEDS AND SEED GRAINS. Registered January 4, 1898. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed January 4, 1928.

54,421. BAR SOAP. Registered June 26, 1906. THE WIEHLE SOAP COMPANY, Ironton, Ohio. Renewed June 26, 1926, to Safetee Soap Corporation, Brooklyn, N. Y., a Corporation of Virginia, assignee by mesne assignments.

63,793. REMEDIES FOR COLDS AND LA GRIPPE. Registered July 9, 1907. EDWARD A. ZERBST, St. Joseph, Mo. Renewed July 9, 1927.

63,880. CERTAIN CUTLERY AND EDGE TOOLS. Registered July 9, 1907. NEEDHAM VEALL & TYZACK LTD., Sheffield, England, a Corporation of Great Britain. Renewed July 9, 1927.

63,908. CERTAIN WALL COVERINGS. Registered July 16, 1907. H. B. WIGGIN'S SONS COMPANY, Bloomfield, N. J., a Corporation of New Jersey. Renewed July 16, 1927.

64,422. CERESIN AND OZOCERITE. Registered August 6, 1907. ANT. HIMMELBAUER & Co., Mahrisch Ostrau and Vienna, Austria. Renewed August 6, 1927, to Ant. Himmelbauer & Company, Vienna, Austria.

64,652. CERTAIN STOVES AND RANGES. Registered August 20, 1907. AMERICAN STOVE COMPANY, St. Louis, Mo., a Corporation of New Jersey. Renewed August 20, 1927.

64,705. CERTAIN PAINTERS' MATERIALS. Registered August 20, 1907. THE GLIDDEN VARNISH COMPANY. Renewed August 20, 1927, to The Glidden Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

64,977. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered September 3, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed September 3, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

65,506. PHOTOGRAPHIC DRY PLATES AND FILMS. Registered October 8, 1907. M. A. SEED DRY PLATE COMPANY, St. Louis, Mo. Renewed October 8, 1927, to Defender Photo Supply Company, Inc., Rochester, N. Y., a Corporation of New York, assignee.

65,835. BUST SUPPORTERS. Registered October 22, 1907. GABRIELLE M. POIX, New York, N. Y. Renewed October 22, 1927, to G. M. Poix Inc., Brooklyn, N. Y., a Corporation of New York, assignee.

65,909. CERTAIN UNDERCLOTHING. Registered November 5, 1907. THE WILLIAM CARTER Co., Highlandville, Mass. Renewed November 5, 1927, to The William Carter Company, Needham Heights, Mass., a Corporation of Massachusetts, assignee.

66,034. WHEAT FLOUR. Registered November 5, 1907. THE WALL-ROGALSKY MILLING COMPANY, McPherson, Kans., a Corporation of Kansas. Renewed November 5, 1927.

66,117. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered November 12, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

66,119. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered November 12, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed November 12, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

66,196. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered November 12, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed November 12, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

66,205. CANNED CORN. Registered November 12, 1907. WATKINS PACKING Co. Renewed November 12, 1927, to Watkins Packing Company, Odessa, Del., a Corporation of Delaware, successor.

66,231. HARNESS, HORSE COLLARS, SADDLES, AND WHIPS. Registered November 19, 1907. HARPHAM BROS. Co., Lincoln, Nebr., a Corporation of Nebraska. Renewed November 19, 1927.

66,401. SPOOL COTTON, SEWING COTTON, AND THREAD. Registered November 26, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Renewed November 26, 1927, to The American Thread Company, New York, N. Y., a Corporation of New Jersey.

66,569. COTTON AND WOOLEN PIECE GOODS. Registered December 10, 1907. DETMER WOOLEN COMPANY. Renewed December 10, 1927, to Detmer Bruner & Mason, Inc., New York, N. Y., a Corporation of New York, successor.

66,702. HOSIERY. Registered December 24, 1907. PARAMOUNT KNITTING Co. Renewed December 24, 1927, to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois, assignee.

66,799. BUTTER SCOTCH. Registered December 31, 1907. KERR BROTHERS, Toronto, Ontario, Canada. Renewed December 31, 1927, to Kerr Bros., Brooklyn, N. Y.

66,816. LOCKS AND KEYS. Registered December 31, 1907. THE SMITH & EGGE MFG. Co., Bridgeport, Conn., a Corporation of Connecticut. Renewed December 31, 1927.

66,831. CHARCOAL. Registered December 31, 1907. CLIFFORD BROS., Cleveland, Ohio. Renewed December 31, 1927.

66,896. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR Co., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,897. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR Co., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1927.

66,898. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR Co., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,899. REMEDIES FOR FEMALE USE. Registered January 7, 1908. THE BRADFIELD REGULATOR Co., Atlanta, Ga., a Corporation of Georgia. Renewed January 7, 1928.

66,918. WHEAT FLOUR. Registered January 7, 1908. COLUMBIA MILL & ELEVATOR COMPANY, Columbia, Tenn., a Corporation of Tennessee. Renewed January 7, 1928.

66,972. BURLAPS. Registered January 7, 1908. WHITRIDGE, WHITE AND COMPANY, Baltimore, Md. Renewed January 7, 1928.

67,092. OUTER SHIRTS MADE OF TEXTILE MATERIAL. Registered January 14, 1908. THE COMMERCIAL SHIRT Co. Renewed January 14, 1928, to Oscar Horowitz, New York, N. Y., assignee.

67,117. CERTAIN KNIT GOODS. Registered January 14, 1908. P. RAGUET FILS & R. VIGNES. Renewed January 14, 1927, to Etablissements Paguet & Vignes, Troyes, France, a Limited Partnership, successor.

LABELS

REGISTERED AUGUST 30, 1927.

32,653.—*Title:* BUNNY BREAD. For Bread. R. GRACE CONNER, Tacoma, Wash. Published March 12, 1926.

32,654.—*Title:* DU-KO-LENE. For Automobile Polish and Cleaner. DAVIS CHEMICAL COMPANY, Boston, Mass. Published July 9, 1927.

32,655.—*Title:* HEAVY PACK. For Fresh Apples. EARL FRUIT COMPANY, Wenatchee, Wash. Published July 18, 1927.

32,656.—*Title:* HEAVY PACK. For Fresh Apples. EARL FRUIT COMPANY, Wenatchee, Wash. Published July 18, 1927.

32,657.—*Title:* HEAVY PACK. For Fresh Apples. EARL FRUIT COMPANY, Wenatchee, Wash. Published July 18, 1927.

32,658.—*Title:* TYPE SELECTED CAMEMBERT FAMOUS BRAND. For Cheese. WILLIAM FAEHNDRICH, INC., New York, N. Y. Published January 10, 1919.

32,659.—*Title:* SELECTED CAMEMBERT. For Cheese. WILLIAM FAEHNDRICH, INC., New York, N. Y. Published January 10, 1919.

32,660.—*Title:* SELECTED GRUYÈRE. For Cheese. WILLIAM FAEHNDRICH, INC., New York, N. Y. Published January 10, 1919.

32,661.—*Title:* YUM YUM. For Relishes. THE GELFAND MANUFACTURING CO., Baltimore, Md. Published July 11, 1927.

32,662.—*Title:* GREKKO HAY FEVER REMEDY. For a Medicine for the Treatment of Hay Fever, Rose Fever, Summer Asthma, Summer Catarrh, and Head Colds. GREKKO CHEMICAL COMPANY, Minneapolis, Minn. Published July 18, 1927.

32,663.—*Title:* T. R. BEAUTY OIL. For a Toilet Preparation. C. D. GULBRANDSON, doing business as T. R. Co., Minneapolis, Minn. Published May 24, 1927.

32,664.—*Title:* SMOOTH-EASE. For Lotion to be Applied to the Skin. CHAS. AND ANNA HAGLUND, Los Angeles, Calif. Published July 16, 1927.

32,665.—*Title:* PENTURA ELEFANTE. For Ready-Mixed Paint. IVOROID MIXED PAINT COMPANY, Newark, N. J. Published June 14, 1927.

32,666.—*Title:* BITTER ROOT BRAND. For Ink. JOHN J. MCKENNA, Butte, Mont. Published May 16, 1927.

32,667.—*Title:* MOORE BRAKE. For Lubricating Dressing for Brakes. JAMES W. MOOREHEAD, doing business as Moorehead Chemical Company, Zellenople, Pa. Published July 9, 1927.

32,668.—*Title:* STATE HOUSE COFFEE. For Coffee. NEW YORK TEA & COFFEE COMPANY, Buffalo, N. Y. Published January 1, 1923.

32,669.—*Title:* NAMCO BABY. For Canned Clams. NORTH AMERICAN MERCANTILE COMPANY, doing business as N. A. M. Co., S. F., San Francisco, Calif. Published September 15, 1926.

32,670.—*Title:* CRYSTO-VASO. For a Skin Preparation. KATHRYN OLIVER, Stapleton, N. Y. Published July 5, 1927.

32,671.—*Title:* INDIA NIGHT. For Perfume. GENE PALMER, INC., Los Angeles, Calif. Published August 10, 1926.

32,672.—*Title:* DESERT PRIMROSE. For Perfume. GENE PALMER, INC., Los Angeles, Calif. Published October 1, 1926.

32,673.—*Title:* FLAVORA. For Fresh Prunes. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Published June 1, 1927.

32,674.—*Title:* FRESH SEAL. For Canned Blackberries. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Published June 1, 1927.

32,675.—*Title:* TASTAY. For Canned Cherries. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Published June 1, 1927.

32,676.—*Title:* GARDENIA. For Canned Strawberries. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Published June 1, 1927.

32,677.—*Title:* TOPPING. For Canned Pears. RAY-BROWN COMPANY, INC., Woodburn, Oreg. Published June 1, 1927.

32,678.—*Title:* REEFER'S NO-MOTH. For Scientific Moth Preventive. REEFER'S NO-MOTH, INC., New York, N. Y., and Philadelphia, Pa. Published June 3, 1927.

32,679.—*Title:* CERTIFICATE OF ANALYSIS. For Motor Oil. J. A. SEITZ, doing business as Specification Oil Marketer's Association, Syracuse, N. Y. Published May 11, 1927.

32,680.—*Title:* PENN-ALTO. For Canned Pineapple. SHAFFER STORES COMPANY, Altoona, Pa. Published June 15, 1927.

32,681.—*Title:* DIETARO. For Canned Spinach. SPRAGUE, WARNER & COMPANY, Chicago, Ill. Published July 16, 1927.

32,682.—*Title:* THE SHOE BOX. For Shoes. CHAS A. STEVENS & BROS., Chicago, Ill. Published May 31, 1927.

32,683.—*Title:* THE GAME OF QUIZZER QUESTIONNAIRE. For a Game. STOLL & EDWARDS CO. INC., New York, N. Y. Published May 9, 1927.

32,684.—*Title:* WALLY'S NOODLES. For Noodles. JOSEPH C. WALLIGORSKI, doing business as Wally Noodle Co., Chicago, Ill. Published July 29, 1927.

PRINTS

REGISTERED AUGUST 30, 1927.

10,133.—*Title:* ON GUARD. For Vehicle Bumpers. THE C. G. SPRING & BUMPER COMPANY, Detroit, Mich. Published June 11, 1927.

10,134.—*Title:* AND NOW CHROMIUM FINISHED. For Vehicle Bumpers. THE C. G. SPRING & BUMPER COMPANY, Detroit, Mich. Published July 9, 1927.

10,135.—*Title:* BEAVER BRAND WIPING RAGS. For Wiping Rags. THE CHICAGO SANITARY RAG CO., Chicago, Ill. Published July 1, 1927.

10,136.—*Title:* BABY'S FIRST SOLID FOOD—WHAT CARE IS NEEDED IN CHOOSING IT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 28, 1927.

10,137.—*Title:* FOR THE POST-OPERATIVE DIET—THIS NOURISHING, HIGHLY DIGESTIBLE FOOD. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 23, 1927.

10,138.—*Title:* IMPORTANT BUILDING YEARS—FROM 3 to 6. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 23, 1927.

10,139.—*Title:* FOR ANY DIET WHERE STARCH IS ALLOWED—THIS TEMPTING VEGETABLE DISH. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 1, 1927.

10,140.—*Title:* KREAM OF THE KRUDE. For Oil Products. JOHN A. DOWKER, Independence, Mo. Published July 13, 1927.

10,141.—*Title:* D-MOSCO. For Oil Products. JOHN A. DOWKER, Independence, Mo. Published July 13, 1927.

10,142.—*Title:* MAK-A-WAGON. For Mak-a-Wagon Novelties. FRANK M. FARGO, Evanston, Ill. Published November 24, 1926.

10,143.—*Title:* A CANARY BELONGS IN EVERY HOME. For Canary Birds, Food, Seeds, and Remedies. KAEMPFER'S, Chicago, Ill. Published June 15, 1927.

10,144.—*Title:* MRS. KLEIN'S HOME MADE REAL EGG NOODLES. For Noodles. ALEC S. KLEIN, doing business as Klein Noodle Company, Chicago, Ill. Published January 15, 1925.

10,145.—*Title:* LYSOL. For Disinfectant. LEHN & FINK, INC., New York, N. Y. Published February 17, 1927.

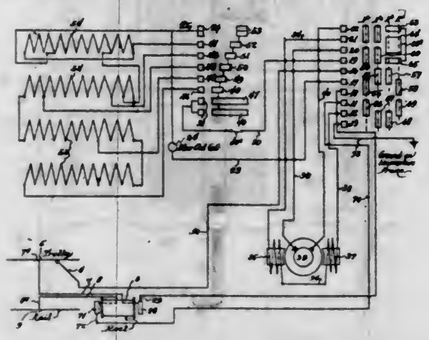
10,146.—*Title:* OUT OF 100 POUNDS OF SPECIAL WHEAT ONLY 26 POUNDS ARE GOOD ENOUGH FOR SWANS DOWN. For Cake Flour. POSTUM CO., INC., New York, N. Y. Published June 27, 1927.

10,147.—*Title:* ICE CREAM. For Ice Cream. TRI-STATE ICE CREAM CORPORATION, La Crosse, Wis. Published March 10, 1927.

REISSUES

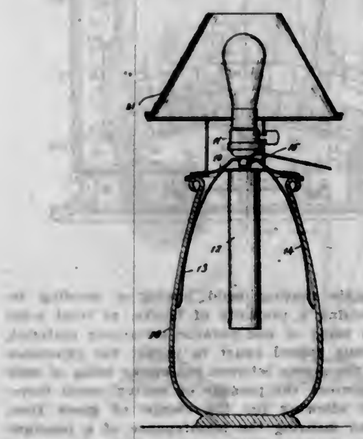
AUGUST 30, 1927.

16,721. ELECTRICAL SYSTEM FOR LOCOMOTIVES. SIDNEY W. FARNHAM, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 18, 1927. Serial No. 206,749. Original No. 1,518,137, dated Dec. 9, 1924, Serial No. 608,509, filed Dec. 22, 1922. 5 Claims. (Cl. 191—3.)



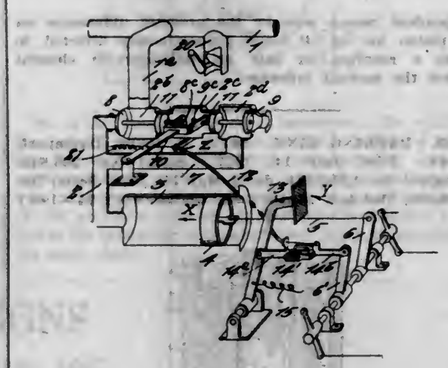
4. In a gathering locomotive provided with a motor circuit adapted to be selectively connected with a source of power supply through a trolley or a gathering reel, a double conductor cable and rotating contactor devices associated with said gathering reel, and switching means completing said motor circuit through the trolley and a ground connection on the locomotive frame in one position, and completing the circuit through the double conductor cable and contact devices on the gathering reel, when in a second position, said last named circuit being wholly disconnected from said locomotive frame.

16,722. LAMP DEVICE. MELBERT B. CARY, New York, N. Y., assignor to Vaslamp Manufacturing Corporation, New York, N. Y., a Corporation of New York. Filed July 2, 1927. Serial No. 203,222. Original No. 1,614,102, dated Jan. 11, 1927, Serial No. 674,429, filed Nov. 13, 1923. 9 Claims. (Cl. 240—52.)



1. A lamp device comprising a disk, a lamp socket carried thereby at one side thereof, a stabilising weight secured to the opposite side of the disk and resilient members extending away from the same side of the disk as the weight.

16,723. MOTOR BRAKE. ALBERT DEWANDRE, Liege, Belgium, assignor to Societe Anonyme Servofrein Dewandre, Liege, Belgium. Filed May 17, 1927. Serial No. 192,125. Original No. 1,539,166, dated May 26, 1925, Serial No. 685,814, filed Jan. 12, 1924. 10 Claims. (Cl. 188—152.)

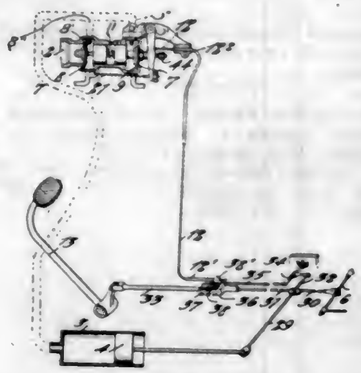


1. In a brake system for motors, the combination, with a suction pipe, and rodding for the brakes, of a brake cylinder capable of being placed in communication with the suction pipe or with the atmosphere, a piston working therein, and on which the engine suction acts to effect the braking operation, valves for controlling the communication of the cylinder with said pipe and with the atmosphere, a brake operating element, a lost-motion connection between said operating element and the brake-rodding embodying two movably-related parts and a movable element for directly actuating said valves operatively associated with said lost-motion connection so that its position depends upon the distance between the movably-related parts of said lost-motion connection.

16,724. POWER BRAKE. ALBERT DEWANDRE, Liege, Belgium, assignor to Societe Anonyme Servofrein Dewandre, Liege, Belgium. Filed May 17, 1927. Serial No. 192,126. Original No. 1,603,750, dated Oct. 19, 1926, Serial No. 698,022, filed Mar. 18, 1924, and in Belgium Feb. 12, 1924. 17 Claims. (Cl. 188—152.)

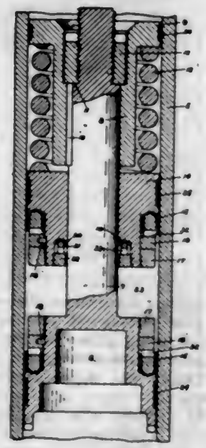
11. In a brake mechanism for automobiles, a cylinder, a piston within the cylinder, means whereby the piston

may be subjected to pressure differences, a manually-operable element for controlling said means and thereby such pressure differences, connections leading to the brakes and operated by the movement of such piston, and



independent means whereby the pressure differences on the piston are at all times proportionally directed to create a reaction on said manually-operable element against the manual influence.

16,725. PACKING RING. BRYAN P. JOYCE, Davenport, Iowa. Filed July 14, 1927. Serial No. 205,813. Original No. 1,583,931, dated May 11, 1926, Serial No. 709,236, filed Apr. 26, 1924. 10 Claims. (Cl. 74—109.)



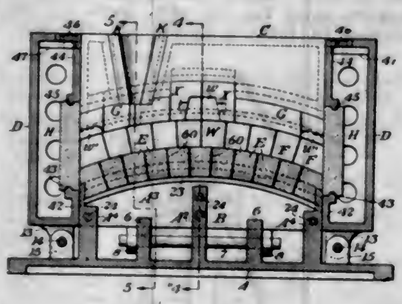
1. In combination with a cylinder and a floating piston, the piston head being reduced to form an annular seat, a packing ring embracing the piston stem and formed with annular seats on its inner and outer periphery, a cup ring disposed in each of the annular seats, reduced peripheral flanges formed on the contact portion of the cylinder engaging cup rings, a relatively wide tin band disposed between the flanges and flush therewith, compression rings mounted within the cup rings and spaced from the sides thereof, said compression rings being formed with vents, means for preventing rotation of the compression rings, and means spaced from the cylinder and piston stem for retaining the compression rings in fixed position.

16,726. RIM TOOL. RALPH T. MUNN, Melrose Highlands, Mass. Filed Oct. 9, 1926. Serial No. 140,666. Original No. 1,600,695, dated Sept. 21, 1926, Serial No. 85,918, filed Feb. 4, 1926. 1 Claim. (Cl. 157—1.)



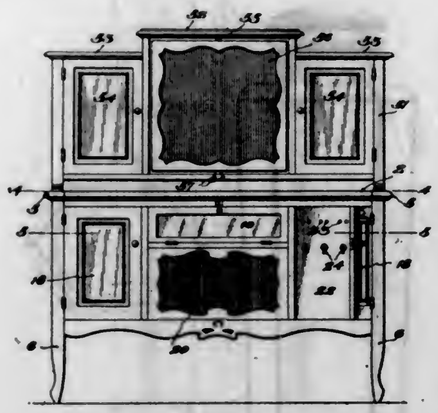
A rim tool comprising two rods in alinement having means for longitudinally moving them relative to each other, one rod having a single finger projecting laterally therefrom, and the other rod having two spaced fingers projecting laterally therefrom, whereby the single finger can be engaged with the lug at a terminal of a split rim, and, without removing it therefrom, will permit the other fingers to be separately engaged with widely separated lugs of the rim.

16,727. CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed May 14, 1925. Serial No. 30,375. Original No. 1,455,353, dated May 15, 1923, Serial No. 622,262, filed Mar. 2, 1923. 38 Claims. (Cl. 22—126.)



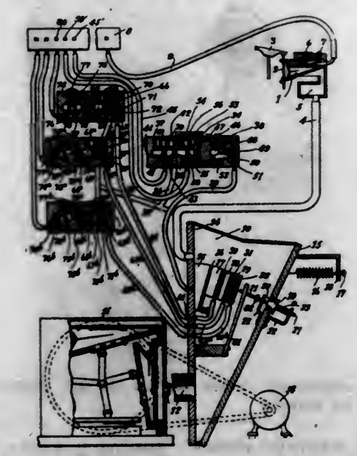
1. An openable casting mold having a molding receptacle comprising a plurality of blocks, at least some of said blocks being of non-metallic refractory material, said blocks being spaced apart to permit the expansion of the blocks, the spaces between the blocks being of such width as to prevent the passage of molten metal therethrough while allowing for the escape of gases from said metal, and insuring the maintenance of a constant overall length of the molding receptacle, and metallic supporting means to which said blocks are detachably secured.

16,728. RADIOGRAFONOLA. FRANK J. RENNER, Madison, Wis., assignor, by mesne assignments, to Finney B. Smith, Washington, D. C. Filed Mar. 19, 1926. Serial No. 96,108. Original No. 1,500,892, dated July 8, 1924, Serial No. 554,853, filed Apr. 18, 1922. 13 Claims. (Cl. 179—100.1.)



5. In combination, a talking machine provided with a sound conduit, a radio mechanism provided with a sound conduit, and a sound amplifier formed with an inlet portion, said sound inlet portion and said sound conduits being mounted for relative sliding movement whereby said sound conduits may be selectively registered with the sound inlet of said amplifier.

16,729. AUTOMATIC MUSICAL INSTRUMENT. GUY MANLY RUSSELL, deceased, Syracuse, N. Y.; by American Piano Company, New York, N. Y., assignee. Filed Mar. 12, 1924. Serial No. 698,783. Original No. 1,409,497, dated Mar. 14, 1922, Serial No. 208,758, filed Dec. 26, 1917. 38 Claims. (Cl. 84—39.)

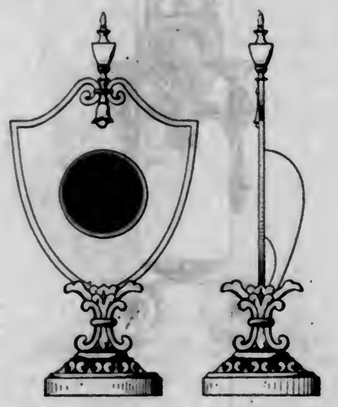


24. In an automatic musical instrument, the combination of a wind chest; a main source of power; a governor bellows having unrestricted communication with the main source of power and the wind chest; and expression means automatically operating to vary the action of the governor bellows by substantially distinct increments for producing incremental variations of pressure in the wind chest.

DESIGNS

AUGUST 30, 1927.

73,363. RADIO LOUD SPEAKER. SYLVESTER A. BAKER, San Francisco, Calif. Filed July 21, 1926. Serial No. 18,445. Term of patent 3½ years.



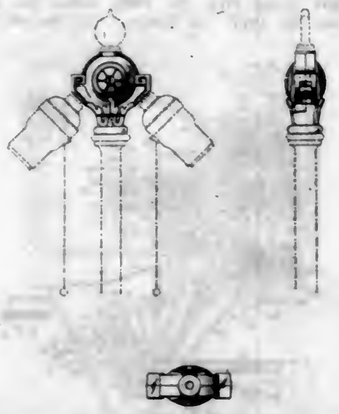
The ornamental design for a radio loud speaker, substantially as shown.

73,364. SMOKER'S TRAY. RAYMOND C. BAUSPIEN, Maywood, Ill. Filed May 20, 1927. Serial No. 22,107. Term of patent 14 years.



The ornamental design for a smoker's tray, as shown.

73,365. ELECTRIC CLUSTER LAMP FIXTURE. ALBERT T. BLACKBURN, Jersey City, N. J. Filed May 19, 1927. Serial No. 22,097. Term of patent 3½ years.



The ornamental design for an electric cluster lamp fixture, as shown.

73,366. KNITTED FABRIC. MILLARD D. BROWN, Philadelphia, Pa., assignor to Continental Mills, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1927. Serial No. 21,292. Term of patent 7 years.

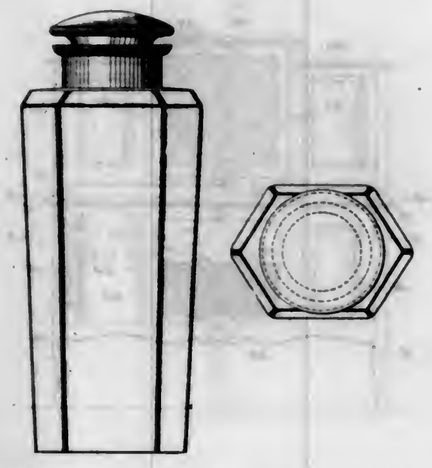
The ornamental design for a knitted fabric, substantially as shown and described.

73,367. ATTACHMENT FOR BRIDGE ARM LAMPS. GEORGE W. CASSIDY, New York, N. Y. Filed Mar. 11, 1924. Serial No. 8,900. Term of patent 3½ years.



The ornamental design for an attachment for bridge arm lamps substantially as shown and described.

73,368. BOTTLE. FLORENCE S. CAVANAUGH, New York, N. Y. Filed May 31, 1927. Serial No. 22,251. Term of patent 7 years.



The ornamental design for a bottle, substantially as shown.

73,369. ELECTRIC WALL BRACKET. FREDERICK CRAIB, Martinez, Calif. Filed July 5, 1927. Serial No. 22,065. Term of patent 3½ years.



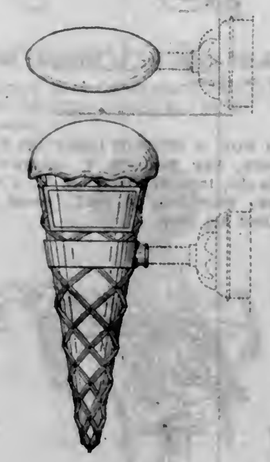
The ornamental design for an electric wall-bracket as shown.

73,370. RADIO SPEAKER STAND. ISAAC DE KAISER, Pittsburgh, Pa. Filed Apr. 12, 1927. Serial No. 21,563. Term of patent 7 years.



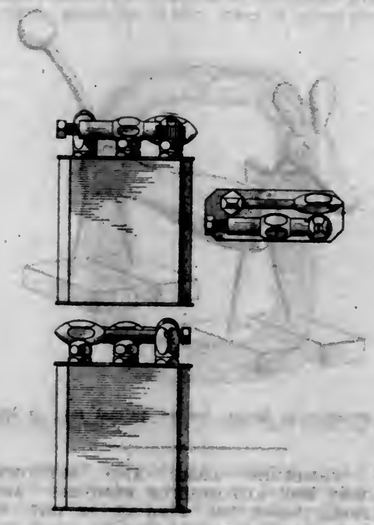
The ornamental design for a radio speaker stand as shown.

73,371. ELECTRIC-LIGHT SHADE. WINSLOW W. DUNN, Jr., St. Paul, Minn. Filed Jan. 22, 1923. Serial No. 4,959. Term of patent 14 years.



The ornamental design for an electric light shade, as shown.

73,372. CIGAR LIGHTER. HARRY ESTEROW, New York, N. Y. Filed May 12, 1927. Serial No. 21,950. Term of patent 14 years.



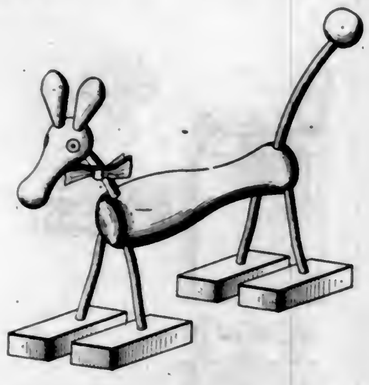
The ornamental design for a cigar lighter, as shown.

73,373. VASE. HAROLD K. GREEN and JAMES W. JENNINGS, Providence, R. I. Filed Mar. 28, 1927. Serial No. 21,381. Term of patent 14 years.



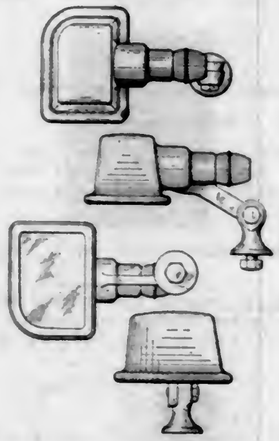
The ornamental design for a vase, as shown.

73,374. ANIMAL TOY. RENE D. GROVE, Middletown, Pa. Filed May 14, 1927. Serial No. 21,989. Term of patent 7 years.



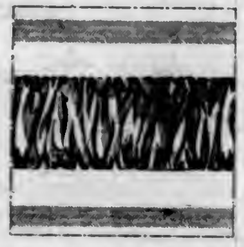
The ornamental design for an animal toy, as shown.

73,375. COMBINED LAMP AND SUPPORTING BRACKET FOR AUTOMOBILE FENDERS. ARTHUR HALLIWELL, Denver, Colo. Filed Apr. 12, 1927. Serial No. 21,535. Term of patent 14 years.



The ornamental design for a combined lamp and supporting bracket for automobile fenders, as shown.

73,376. TEXTILE FABRIC. HARRIS HAUSMAN, Brooklyn, N. Y. Filed July 28, 1926. Serial No. 18,501. Term of patent 3½ years.



The ornamental design for textile fabric, as shown.

73,377. COMBINATION SALT AND PEPPER SHAKER. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Partnership. Filed June 17, 1927. Serial No. 22,467. Term of patent 14 years.



The ornamental design for a combination salt and pepper shaker, as shown.

73,378. ORNAMENT FOR RADIATORS OF MOTOR CARS. HAROLD S. HEWITT, Brantford, Ontario, Canada. Filed Feb. 8, 1927. Serial No. 20,649. Term of patent 3½ years.



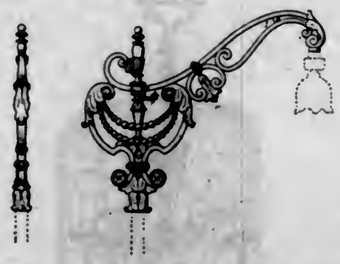
The ornamental design for an ornament for radiators of motor cars as shown.

73,379. ARM FOR A BRIDGE LAMP OR THE LIKE. JACOB HIRSCH, New York, N. Y., assignor to Royal Lamp Shade Co., Inc., New York, N. Y., a Corporation of New York. Filed June 20, 1927. Serial No. 22,506. Term of patent 3½ years.



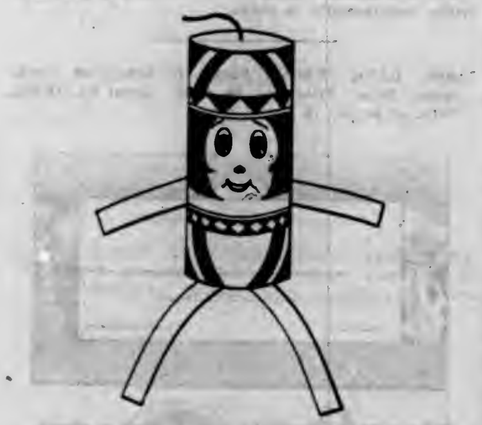
The ornamental design for an arm for a bridge lamp or the like, as shown.

73,380. ARM FOR A BRIDGE LAMP OR THE LIKE. JACOB HIRSCH, New York, N. Y., assignor to Royal Lamp Shade Co., Inc., New York, N. Y., a Corporation of New York. Filed June 20, 1927. Serial No. 22,507. Term of patent 3½ years.



The ornamental design for an arm for a bridge lamp or the like, as shown.

73,381. CANDY BOX. IMOGENE KIDDER, Portland, Oreg. Filed Feb. 14, 1927. Serial No. 20,757. Term of patent 3½ years.



The ornamental design for a candy box, as shown.

73,382. CANDY BOX. IMOGENE KIDDER, Portland, Oreg. Filed Feb. 14, 1927. Serial No. 20,758. Term of patent 3½ years.



The ornamental design for a candy box, as shown.

73,383. DOME-LIGHT BEZEL. ARCHER L. KNAPP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 7, 1927. Serial No. 22,684. Term of patent 3½ years.



The ornamental design for a dome light bezel, as shown.

73,384. SPOON OR SIMILAR ARTICLE. JOHN LEECH, Bridgeport, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed May 3, 1927. Serial No. 21,838. Term of patent 7 years.



The ornamental design for a spoon or similar article substantially as shown.

73,385. WRAPPING PAPER. ARTHUR LEWIN, New York, N. Y., assignor to Kupfer Bros. Co., New York, N. Y., a Corporation of New York. Filed June 16, 1927. Serial No. 22,462. Term of patent 7 years.



The ornamental design for wrapping paper as shown.

73,386. ELECTRIC-LIGHT FIXTURE. GEORGE LIPSCHUTZ, Philadelphia, Pa. Filed June 28, 1927. Serial No. 22,589. Term of patent 3½ years.



The ornamental design for an electric light fixture as shown.

73,387. CLOCK. LOGAN L. MALLARD, Norfolk, Va. Filed June 24, 1927. Serial No. 22,550. Term of patent 3½ years.



The ornamental design for a clock as shown.

73,388. CHANDELIER OR SIMILAR ARTICLE. GLENN E. MCFADDEN, Kansas City, Mo. Filed Mar. 18, 1927. Serial No. 21,199. Term of patent 7 years.



The ornamental design for a chandelier or similar article, substantially as shown.

73,389. BANK CHECK. ALFRED B. SCHILLING, Stockbridge, Mass. Filed Aug. 24, 1926. Serial No. 18,851. Term of patent 14 years.

The ornamental design for a bank check as shown.

73,390. LIGHTING-FIXTURE CANOPY. MORRIS SCHLEPP, New York, N. Y. Filed June 10, 1927. Serial No. 22,388. Term of patent 7 years.



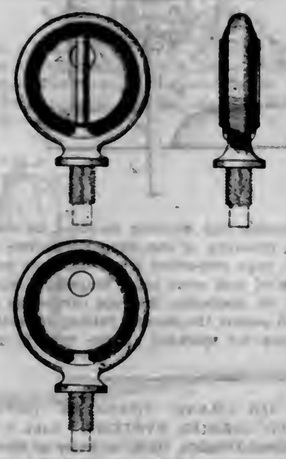
The ornamental design for a lighting fixture canopy substantially as shown.

73,391. BIRD CAGE. ELY W. SINTOW, Brooklyn, N. Y., assignor to Art Cage Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed May 31, 1927. Serial No. 22,238. Term of patent 14 years.



The ornamental design for a bird cage, as shown.

73,392. MOTOR-HEAT-INDICATING INSTRUMENT. GEORGE H. TOWNSEND, Greenwich, Conn. Filed June 15, 1927. Serial No. 22,444. Term of patent 14 years.



The ornamental design for a motor heat indicating instrument as shown and described.

73,393. LANTERN. ALFRED WEBER, New York, N. Y. Filed June 11, 1927. Serial No. 22,394. Term of patent 3½ years.



The ornamental design for a lantern, as shown.

73,394. ASH TRAY. MORRIS M. WHITAKER, Nyack, N. Y. Filed July 2, 1927. Serial No. 22,657. Term of patent 14 years.



The ornamental design for an ash tray, as shown.

73,395. LIGHTING FIXTURE. CLARENCE G. WING, Lakewood, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 8, 1926. Serial No. 16,452. Term of patent 3½ years.

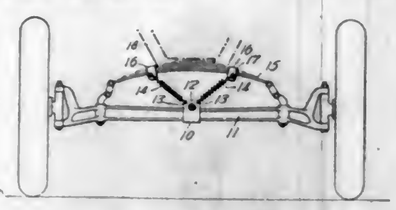


The ornamental design for a lighting fixture, as shown.

PATENTS

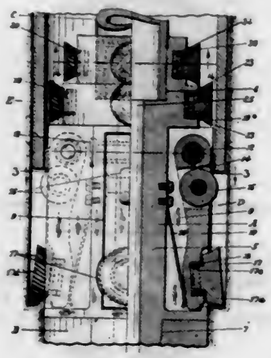
GRANTED AUGUST 30, 1927.

1,640,340. SHOCK ABSORBER. JOHN B. ADDUCI, Boston, Mass. Filed Feb. 27, 1926. Serial No. 91,087. 1 Claim. (Cl. 267—28.)



A shock absorber for automobiles, comprising clips to removably embrace the axle and leaf spring of an automobile, each of said clips having two lips each formed with two openings, a bolt for each clip and cooperating with an opening of each lip to secure the clip in place with the lips in spaced parallel relation whereby to arrange the remaining and free openings of the clip on opposite sides of the automobile part to which it is connected, and a coil spring having terminals to be loosely engaged with either free opening of the respective clips, whereby to vary the absorbing effect of the spring at will without loosening the clips.

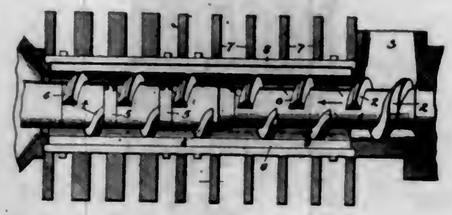
1,640,341. REAMER FOR ROTARY WELL DRILLS. LEONARD ALDRIN, Denver, Colo. Filed Feb. 9, 1923. Serial No. 618,032. 4 Claims. (Cl. 255—76.)



1. A reamer for well drills comprising a body provided with a peripheral recess, a pivoted arm in the recess of the body, a cutter mounted upon the outer face of the arm at an end thereof, to rotate about an axis at an angle to said face, and a spring acting upon the arm to yieldingly project the cutter from the body.

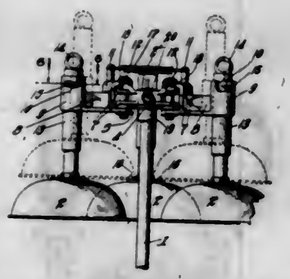
1,640,342. PRESS OR EXPELLER. FREDERICK V. ANDERSON, Cleveland, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 26, 1919. Serial No. 326,612. 6 Claims. (Cl. 100—48.)

3. In a press, the combination of a worm the advancing face whereof inclines rearwardly toward its outer edge at an angle of approximately 45°; and a barrel surrounding the screw, said barrel being formed from a series of spaced bars with the forward edge of each bar, upon the interior of the barrel, and with reference to the advancing or thrust face of the worm, lying below the adjacent edge of the adjoining bar.



4. As a new article of manufacture, a worm for expressing presses, comprising a hollow body member with a flight extending thereabout, the forward or advancing face whereof inclines rearwardly toward its outer edge at an angle of approximately 45°.

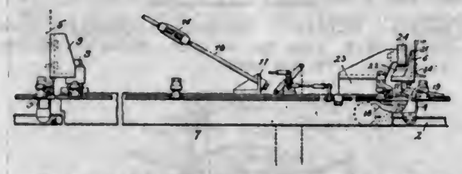
1,640,343. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Dec. 12, 1923. Serial No. 680,164. 10 Claims. (Cl. 68—19.)



1. In a vacuum cup washing machine, in combination, a support, a plurality of cup supporting arms carried by said support, cups suspended from the outer ends of said arms, certain of said arms being hingedly connected with said support for displacing the cups carried by said arms, and means to permit the manual raising of certain of said arms and cups for stacking all the cups in relation to each other.

1,640,344. JIB-CRANE TRANSFER DEVICE FOR OVERHEAD CARRIER SYSTEMS. EARL T. BENNINGTON, Cleveland Heights, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a Corporation of Ohio. Filed Jan. 16, 1926. Serial No. 81,622. 6 Claims. (Cl. 104—92.)

1. In an overhead carrier system, a track having spaced sections, a transfer section pivotally supported adjacent the end of one of said track sections and adapted to be swung into and out of alignment with the other, and interengaging means adjacent the track section with which the free end of the pivoted section cooperates and on the pivoted section adapted to engage and lift the



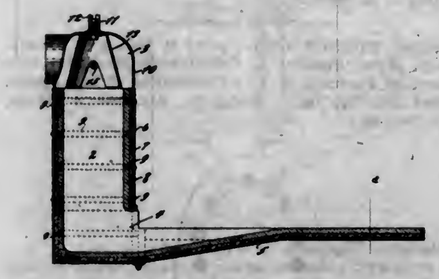
transfer section into horizontal alignment with the track section as the transfer section is swung into the position in which it bridges the space between said track sections.

1,640,345. PERMANENT WAVING OF HAIR. SAMUEL BONAT and HARRY BONAT, New York, N. Y. Filed Jan. 17, 1927. Serial No. 161,567. 14 Claims. (Cl. 132—33.)



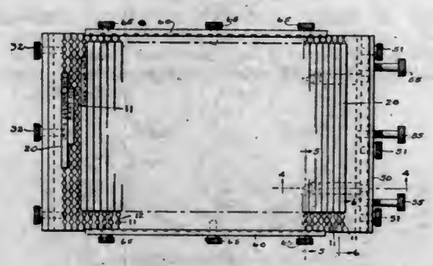
1. A permanent hair waving device comprising a winder, and a mandrel therefor, having a threaded extension and coperating means thereon adapted to grip a lock of hair, one of said means being loosely supported on the extension and the other being in threaded engagement therewith.

1,640,346. FIRE BOX FOR STEAM GENERATORS. GEORGE ALFRED BRYAN, Peru, Ind., assignor to Bryan Harvester Company, a Corporation of New Mexico. Filed June 8, 1921. Serial No. 475,989. 4 Claims. (Cl. 158—29.)



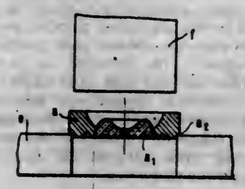
1. In combination with a steam generator including a boiler and a housing therefor, a fire box exterior of the housing and communicating therewith and having a combustion chamber comprising a sheet metal outer casing, heat insulating material lining the sheet metal casing, and refractory material covering the heat insulating material and applied in a continuous layer while in a plastic condition.

1,640,347. PRINTING CHASE. CLIFTON CHISHOLM, Cleveland, Ohio, assignor to The American Multigraph Co., Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 4, 1926. Serial No. 139,294. 14 Claims. (Cl. 101—415.1.)



1. The combination of a flexible printing blanket, a flat support and means adapted to stretch the blanket on the support and hold it at its opposite ends, and means engaging the side edges of the blanket, all of said means conjointly holding the blanket on the support with the printing characters in a plane and type high.

1,640,348. PROCESS FOR MAKING CONCENTRIC BUSHINGS FOR JEWEL BEARINGS. HENRI COLOMB, Tavannes, Switzerland. Filed Aug. 11, 1924, Serial No. 731,535, and in Switzerland Jan. 15, 1924. 1 Claim. (Cl. 29—149.5.)

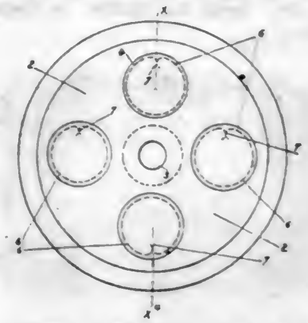


The herein-described process of forming a bushed jewel journal bearing which shall have an outer circumferential wall exactly concentric with the central perforation in the jewel, which process comprises the following steps: turning a short coned outer surface on one end of said bushing, the axis of which coned surface coincides exactly with the axis of said perforation; introducing such coned surface of said bushing into a circular die, the inner diameter of which is greater than the least diameter of said coned surface but less than its greatest diameter; and, finally, forcing said bushing completely into said die, whereby a shaving is removed from the originally protruding portion thereof which reduces it to a cylindrical form having the exact diameter of said die opening.

1,640,349. RESILIENT WHEEL FOR VEHICLES. JEAN FRANÇOIS PASCAL COSTE, Billancourt, France. Original application filed Aug. 30, 1922, Serial No. 585,179, and in France Nov. 19, 1921. Divided and this application filed Sept. 18, 1926. Serial No. 136,249. 4 Claims. (Cl. 152—28.)

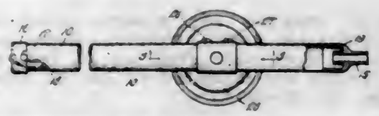
1. A resilient wheel for vehicles, comprising a shell, a rim member located without and extending into said shell with apertures in the portion within the shell, said shell having pockets substantially concentric with the apertures in the rim member and of a depth between opposite faces of the shell greater than the thickness of the rim member at the apertures, a longitudinally laminated

split looped spring contained in each pocket and the respective concentric aperture of the rim member for



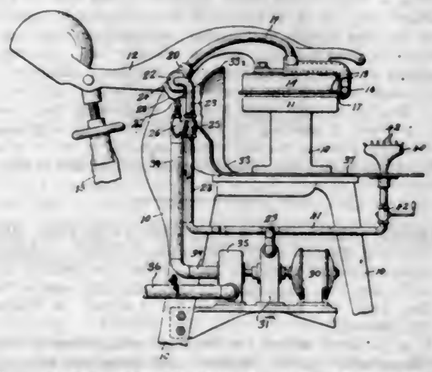
yieldingly resisting radial movement of the latter relatively to the shell, the ends of the split spring being turned inwardly at their abutting ends.

1,640,350. ROD AND REEL. CLARENCE L. DEWEY, Elkhart, Ind. Filed Sept. 11, 1924. Serial No. 737,069. 1 Claim. (Cl. 43—20.)



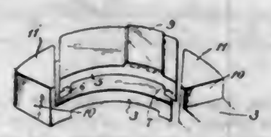
The combination with a fishing rod and reel, of means for connecting them; comprising a clamping band encircling the rod and having separated, parallel members intermediate the ends and the circular part thereof, said ends bent at right angles to the intermediate parts, one end overlying the other end and said ends having registering perforations to receive a headed reel spindle, two separated clamping screws passing thru said parallel members to clamp the connector to the rod and to the spindle and brake-applying arms pivoted on said screws and extending in alignment therefrom.

1,640,351. GARMENT PRESS. WILLIAM H. DORSEY, New Brighton, N. Y., assignor, by mesne assignments, to Prosperity Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Sept. 10, 1924. Serial No. 736,865. 5 Claims. (Cl. 68—9.)



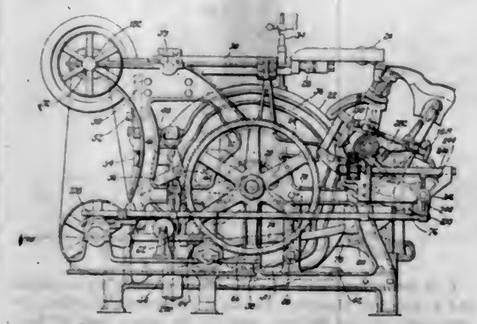
1. A garment pressing machine comprising cooperating press jaws one of which is provided with an air discharge orifice along the margin thereof, an air pipe to supply air pressure to the orifice by which the vapor and heat ordinarily arising from the work are blown away from the operator, a valve included in the air pipe, and means for automatically operating the valve to control the flow of air pressure when the press opens and closes.

1,640,352. BEARING. GERHARD FLINTERMANN, West Orange, N. J. Filed July 14, 1926. Serial No. 122,288. 13 Claims. (Cl. 308—160.)



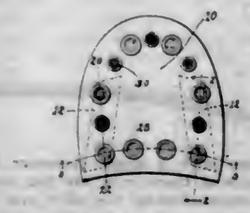
10. A bearing comprising a circular series of separate yielding plates each of said plates being supported at its ends to provide an intervening yielding portion and a bearing projection on such intervening portion, the two ends of each plate being parallel to each other.

1,640,353. MACHINE FOR PRESSING SOLES. ALFRED B. FOWLER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 26, 1922. Serial No. 597,151. 41 Claims. (Cl. 12—34.)



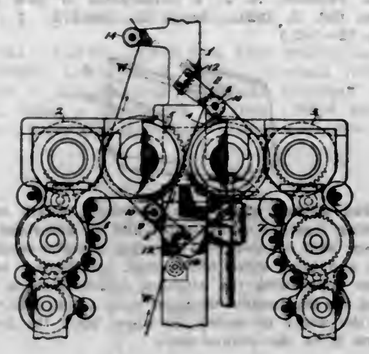
1. A sole pressing machine having, in combination, a sole pressing device, a shoe supporting jack, mechanism comprising a main drive for relatively actuating the pressing device and jack to press the sole of a shoe on the jack, and means actuated by relatively moving the pressing device and jack into operative position for adjusting the speed of the main drive in correspondence with the length of the sole to be operated upon, the extent of the said adjustment being controlled by the adjustment of the jack to fit the shoe.

1,640,354. RUBBER HEEL. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 12, 1923. Serial No. 651,126. 4 Claims. (Cl. 36—35.)



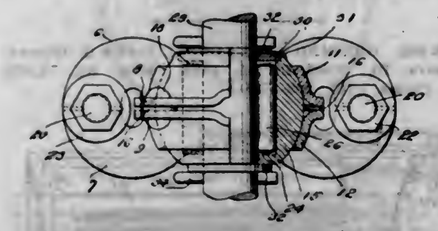
1. A rhomboidal stiffening or supporting element for rubber heels having a plurality of nail openings disposed in a line with respect to which the mass of the element is substantially balanced.

1,640,355. WEB-GUIDING MECHANISM FOR PRINTING MACHINES. JOHN J. HALLIWELL, Tuckahoe, N. Y., assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y., a Corporation of New York. Filed July 23, 1924. Serial No. 727,610. 6 Claims. (Cl. 101—220.)



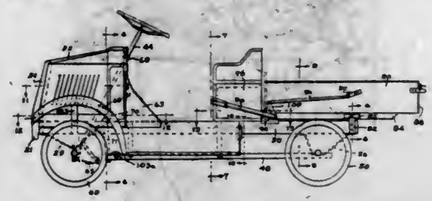
1. The combination of a printing couple including a plate cylinder and a blanketed impression cylinder, a second printing couple including a plate cylinder and a blanketed impression cylinder, all the cylinders of the couples being located closely adjacent and in substantial alignment, and means for indirectly guiding a web between the couples for impression, said guides acting to keep the web away from the surface of the impression cylinders except near the impression points, so that the web is kept out of contact with the surface of the cylinders for the major portion of their surfaces and breaks in the web due to too great a hug of the web about the cylinders are avoided.

1,640,356. BEARING MECHANISM. JAMES M. HOWE, Cleveland Heights, Ohio, assignor to The Murray Manufacturing Company, Cleveland, Ohio, a Corporation of Michigan. Filed Sept. 6, 1924. Serial No. 736,225. 6 Claims. (Cl. 308—72.)



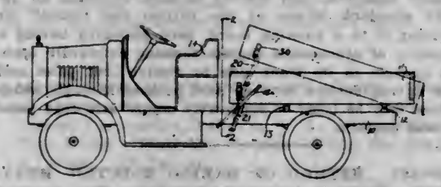
1. A bearing of the character described, comprising a pair of bracket members complementarily formed to provide bracket portions and having sockets formed therein, the sockets having complementary spheroidal surfaces, the journal member having a spheroidal surface engaging the complementary surfaces of the bracket members, a rotatable member to be borne, roller members encased by the journal member and bearing directly on the rotatable member, means maintaining the bracket members with the sockets thereof in engagement with the spheroidal surface of the journal member, said journal member having a roller receiving bore thereof closed at one end to retain the roller members and a disc closing the other end of the bore and retained in place by a portion of the journal member overlying the disc.

1,640,357. JUVENILE VEHICLE. JAMES M. HOWE, Cleveland Heights, Ohio, assignor to The Murray Products Company, Cleveland, Ohio, a Corporation of Michigan. Filed Feb. 9, 1925. Serial No. 7,842. 13 Claims. (Cl. 208—113.)



1. In a toy vehicle, the combination of a chassis structure comprising elongated side frame members having portions extending in planes disposed at an angle to each other, front and rear axle brackets secured to the side frame members, axle members rigidly secured to the bracket members a hood structure including a cowl formation, the hood structure comprising a transverse connecting means between the forward portions of said side frame members and thereby constituting a part of the chassis structure, a seat structure mounted upon said side frame members and attached thereto at two of said portions of each member and thereby constituting a transverse bracing means therebetween intermediate the forward and rearward ends of said side frame members.

1,640,358. DUMPING MECHANISM FOR VEHICLES. JAMES M. HOWE, Cleveland Heights, Ohio, assignor to The Murray Products Company, Cleveland, Ohio, a Corporation of Michigan. Filed Apr. 2, 1925. Serial No. 20,073. 6 Claims. (Cl. 298—19.)

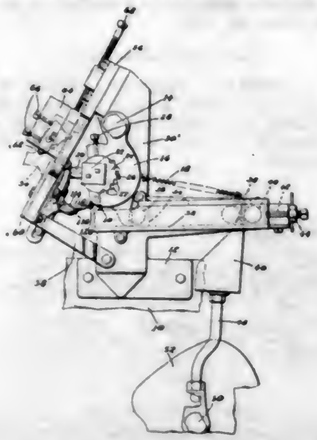


1. In a dumping mechanism of the character described, a shaft mounted on the chassis of a vehicle, a linkage mechanism mounted on the shaft and connected to the dump body of the vehicle and resilient connecting mechanism permanently connecting the body of the vehicle to the link mechanism arranged to restrain the body against movement when such body is in normal position.

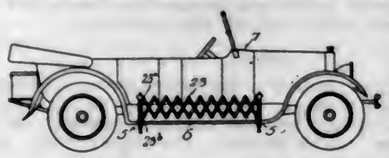
1,640,359. WOOD-HEEL MARKER. NORTON W. KINNEY, Haverhill, Mass., assignor to Slipper City Wood Heel Company, Haverhill, Mass., a Corporation of Massachusetts. Filed Sept. 26, 1924. Serial No. 740,060. 10 Claims. (Cl. 101—42.)

1. In a marking machine, a work support, an oscillating type-carrier, means for adjusting the angular position of the type-members with respect to said carrier to vary the impression point with respect to the work support, and means for supplying ink to the type-faces comprising an inking-roll, an oscillator supporting said

roll, means for actuating said oscillator, and means for guiding the oscillator constructed and arranged to cause the inking roll to have a dipping movement to insure proper contact of the roll with the type-faces in any position of adjustment.



1,640,360. LUGGAGE CARRIER FOR AUTOMOBILES. CHARLES B. LEFFERT, Chicago, Ill., assignor to United States Tent & Awning Company, Chicago, Ill., a Corporation of Illinois. Filed May 8, 1925. Serial No 28,803. 3 Claims. (Cl. 224—29.)



1. A luggage carrier embodying therein a pair of bracket members, each bracket member including an upright standard, means at the bottom end thereof for securing it to a running board, each standard having a plurality of depressions therein forming outwardly opening pockets in its front side to receive tent poles and also having devices between said pockets through which a cord may be laced to removably secure said tent poles in said pockets.

1,640,361. METHOD OF MAKING ELECTRIC HEATERS. EDWIN N. LIGHTFOOT, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 5, 1921, Serial No. 442,882. Renewed Feb. 2, 1927. 13 Claims. (Cl. 25—3.)



1. The method of insulating the resistor of an electric heater from the enclosing jacket thereof, which comprises surrounding the resistor with insulation in one form and subsequently changing the physical characteristics thereof.

1,640,362. MANUFACTURE OF SHOES. JOHN J. MAHLER, New York, and HORACE D. WEBB, Rochester, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 1, 1921. Serial No. 504,573. 7 Claims. (Cl. 12—142.)



1. The method of making felt shoes, which consists in sewing together a shoe-upper and an absorbent counter-piece, said counter-piece carrying a water-soluble adhesive and being dried before such attachment, immersing the upper with the attached counterpiece in water, placing the thus-moistened upper upon a last, and evaporating the water to shrink the upper upon the last and conform it to the counter-piece.

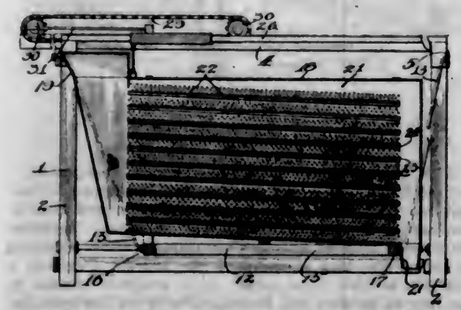
1,640,363. PROCESS FOR PREPARING RUBBER-CONTAINING PLASTICS AND PRODUCTS OBTAINED THEREBY. JOHN MCGAVACK, Elmhurst, N. Y., assignor to The Revere Rubber Company, Chelsea, Mass., a Corporation of Rhode Island. Filed July 3, 1923. Serial No. 649,376. 9 Claims. (Cl. 260—3.)

1. A process for making rubber combinations which comprises causing a reaction to occur between rubber, aldehyde and a condensing agent, and recovering the reaction product formed.

1,640,364. PROCESS FOR PREPARING RUBBER-CONTAINING PLASTICS AND PRODUCTS OBTAINED THEREBY. JOHN MCGAVACK, Jackson Heights, N. Y., assignor to Revere Rubber Company, Chelsea, Mass., a Corporation of Rhode Island. Filed Mar. 24, 1925. Serial No. 18,057. 8 Claims. (Cl. 260—4.)

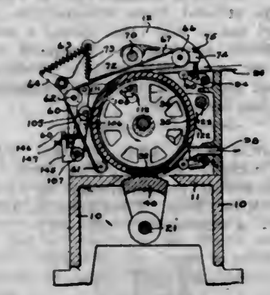
1. A process for making rubber combinations which consists in treating vulcanized rubber with a rubber solvent, combining a halogen, a phenol, and an aldehyde with the rubber, and recovering a combination of rubber, halogen, phenol and aldehyde.

1,640,365. GRADING APPARATUS. NORRIS G. MORGAN, Galva, Ill. Filed Dec. 5, 1925. Serial No. 73,330. 4 Claims. (Cl. 209—360.)



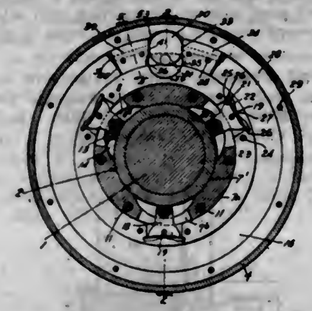
1. A device of the class described comprising a supporting frame, a relatively deep and narrow screening box supported therefrom and having a top inlet spout at one end and a bottom discharge spout at the other end, the sides of said box being perforate, means for laterally reciprocating said box, and partitions for dividing said box into successive longitudinally disposed compartments, all of said partitions similarly terminating short of both ends of the box and all of said compartments similarly communicating at their opposite ends with said top inlet and bottom discharge spout.

1,640,366. PAPER DETECTOR FOR PRINTING MACHINES. LAWRENCE H. MORSE, Cleveland, Ohio, assignor to the American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 10, 1925. Serial No. 49,253. 16 Claims. (Cl. 101—239.)



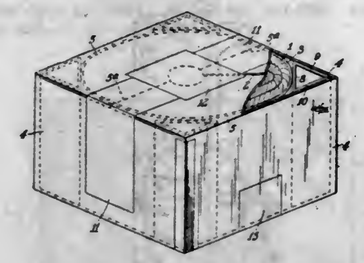
1. The combination of a rotary drum, means for holding paper thereon, said paper being adapted to overlie a recess in the drum, a detector adapted to bear against the face of the paper when overlying the recess or move into the recess when paper is absent, a platen adapted to coact with the drum, and means controlled by said detector for preventing coaction of the drum and platen.

1,640,367. BRAKE. WALTER D. NICKUM, Los Angeles, Calif. Filed Apr. 3, 1925. Serial No. 20,364. 8 Claims. (Cl. 188—30.)



1. A chock brake means comprising, in combination with a rotatably mounted driven member, a rigidly mounted operating member having recess means with reversely inclined surfaces mounted around and adjacent to the periphery of said driven member, chock means within said recess means, a control member rotatably mounted in said operating member and having pivotally mounted resilient shift means engaging said chock means so as to move said chock means in said recess means upon rotation of said control member, and means for rotating said control member into position to bring said chock means into engagement with either one of said reversely inclined surfaces of said recess means or into an intermediate position in which said chock means are out of engagement with both of said reversely inclined surfaces and for holding said control member in any one of said positions to which it is moved.

1,640,368. ASBESTOS ROPE OR WICK PACKAGE. GUY U. OBETS and ROBINSON F. WALTER, Manheim, Pa., assignors to United States Asbestos Company, Manheim, Pa., a Corporation of Pennsylvania. Filed Dec. 18, 1926. Serial No. 154,337. 10 Claims. (Cl. 242—146.)



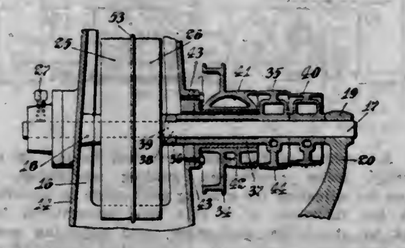
1. A dispensing package for coiled material, comprising a rectangular carton provided with cover flaps, having their meeting edges disposed substantially centrally of the carton, and provided with recesses located centrally of the length of said meeting edges, and adapted to form a centrally located dispensing aperture in the top of the carton.

1,640,369. GUTTER HANGER. WOOLF PEIREZ, New York, N. Y. Filed Nov. 24, 1925. Serial No. 71,183. 2 Claims. (Cl. 108—29.)



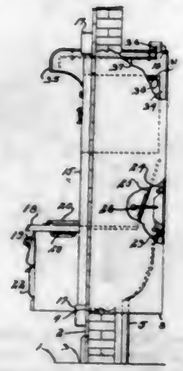
2. A gutter hanger shank comprising a vertically extending stem substantially U-shaped in transverse cross-section and provided with a laterally extending flange along each of its sides, each flange being provided with a groove running throughout the length thereof, and a support attaching means formed upon said shank.

1,640,370. ROTARY TRANSMISSION MEANS. MERTON D. PHELAN, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 7, 1920. Serial No. 379,522. 4 Claims. (Cl. 74—21.)



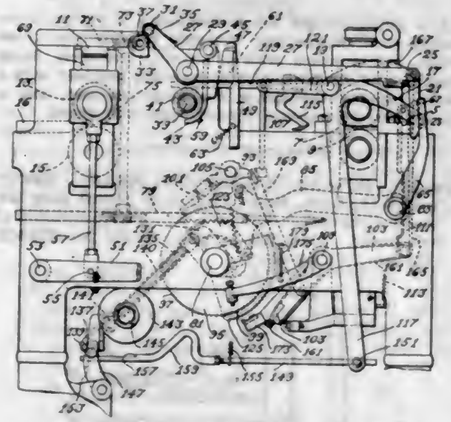
2. In combination, an annular transmission unit and a sectional transmission unit each rotatable independently of the other, the sectional unit extending through said annular unit and including two sections having interengaged coupling portions one of which is adapted to pass through said annular unit, and means for supporting said units.

1,640,371. ELECTRIC STOVE. CHARLES A. PIERSON, Toledo, Ohio, assignor to The Standard Electric Stove Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 15, 1924. Serial No. 699,514. 16 Claims. (Cl. 126—37.)



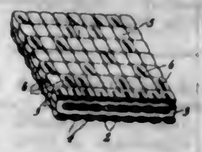
1. In combination, a casing having top, bottom, sides and back and open at its front, a range unit mounted in the lower portion of the casing, an oven unit mounted in the upper portion of the casing in vertically spaced relation to the range unit and cooperating with the casing to form an exit flue leading upward from the space between the two units.

1,640,372. GRADING MACHINE. WILLIAM THOMAS BUCKINGHAM ROBERTS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 13, 1922, Serial No. 588,000, and in Great Britain Sept. 16, 1921. Renewed Oct. 11, 1926. 24 Claims. (Cl. 69—13.)



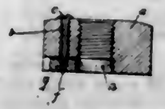
1. A machine of the class described having, in combination, feeler mechanism, grading mechanism, and means for adjusting the grading mechanism in accordance with the thickness of a thin spot encountered in a blank by the feeler mechanism, said adjusting mechanism including a rock-shaft, a controller angularly movable in response to the determinations of the feeler mechanism, an angularly movable setting member for the grading mechanism, an actuator located between the controller and the setting member, and means set into operation at the end of the feeling operation for causing the actuator to move the setting member into an angular position dependent upon that into which the controller was moved by the feeler mechanism.

1,640,373. FRICTION LINING AND PROCESS OF MAKING THE SAME. JOHN DONALD ROHRM, Manheim, Pa., assignor to United States Asbestos Company, Manheim, Pa., a Corporation of Pennsylvania. Filed Dec. 2, 1926. Serial No. 152,132. 7 Claims. (Cl. 188—259.)



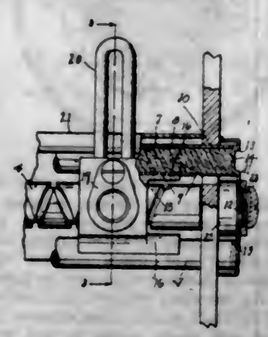
3. As a new article of manufacture, a friction lining having opposite abraded faces, substantially in parallel planes, at least one of said faces having a substantially uniform coefficient of friction throughout its extent, whereby a lining of accurate uniform thickness is provided which will give substantially its maximum efficiency immediately upon installation.

1,640,374. LOCK NUT AND ALLIED FASTENING MEANS. PHILIP J. RUSSELL, Fall River, Mass., assignor of forty-nine one-hundredths to Ernest Kellykoudas, Fall River, Mass. Filed June 12, 1926. Serial No. 115,571. 4 Claims. (Cl. 151—25.)



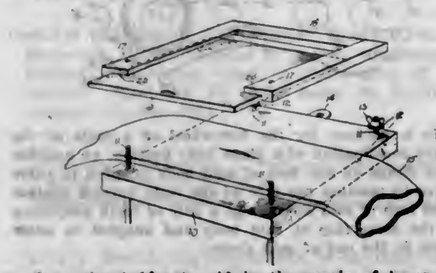
1. A lock nut comprising in combination, a nut having a threaded bore, one of the surfaces of said nut having a seat portion cut out therein, said seat portion being substantially aligned with said threaded bore the threads of the bore of said nut being cut away a distance equal to the depth of the seat portion one of the sides of said seat portion having a substantially V-shaped notch therein, a pawl member disposed in said seat portion, tooth means on said pawl member to grip the threads of the member to which said nut is applied and a second tooth means on said pawl member for coacting with said notch to prevent reverse rotation of said nut when in place.

1,640,375. FISHING REEL. SAMUEL G. RUSSELL, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Sept. 25, 1926. Serial No. 137,789. 7 Claims. (Cl. 242—84.4.)



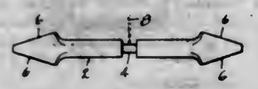
1. In a fishing reel, the combination of a frame, a traversing shaft, tubular way members disposed on opposite sides of said traversing shaft and provided with lubricant openings on their inner sides, said way members having a lubricant retaining material therein and being disposed with their ends projecting through the frame, a line guide carriage provided with bearing members coacting with said ways and with a pawl coacting with said traversing shaft, and a retaining plate on said frame engaging the ends of said way members and provided with apertures through which oil may be introduced to said way members.

1,640,376. TUBE-REPAIRING CLAMP. ROY SANTMYER, New York, N. Y. Filed July 7, 1927. Serial No. 204,127. 3 Claims. (Cl. 152—27.)



2. A tire holder to aid in the repair of inner tubes, comprising a bed board having a working face to receive the portion of the tube to be mended, a U-shaped frame to be clamped over the bed and against the tube, means carried by the bed to clamp the frame, and a deflating board slidably carried by the frame to press the tube and to be removed to expose the tube between the portions of the frame.

1,640,377. METHOD OF MAKING AND FINISHING SPOKES. GEORGE F. SCHERER, Jackson, Mich. Filed Oct. 9, 1926. Serial No. 140,583. 8 Claims. (Cl. 144—309.)



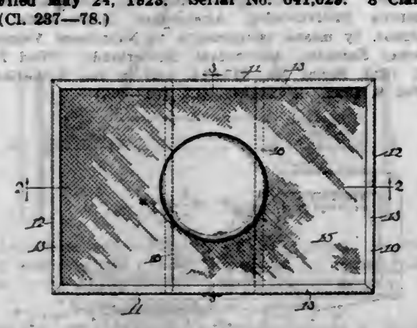
1. The method of forming spokes consisting in forming a billet of double length, turning the barrel of the spokes at the center, cutting a tenoning kerf at the center, guiding the spokes by the central kerf and cutting the miters simultaneously by opposed symmetrical knives, and then severing the tenon to form the finished spokes, as specified.

1,640,378. DISK WHEEL. FRED C. SCHOENTHAL, Buffalo, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed Aug. 23, 1919. Serial No. 319,396. 13 Claims. (Cl. 301—63.)



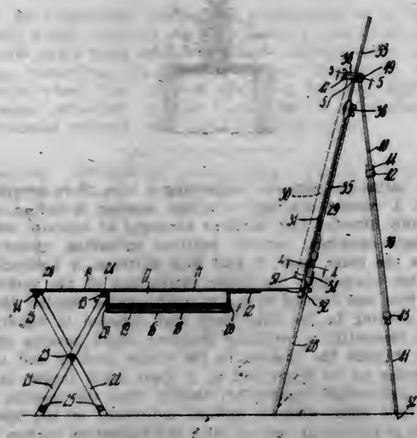
1. In a disk wheel, a hub, a disk having a felloe portion, an auxiliary disk fixed to said first mentioned disk having a seating portion, a seating plate adapted to receive said seating portion of said auxiliary disk, means for fixing said seating plate to said hub, and other means for fixing said disk to said seating portion.

1,640,379. HUMIDIFIER. JOHN SCHULZ, Chicago, Ill. Filed May 24, 1923. Serial No. 641,029. 8 Claims. (Cl. 237—78.)



2. In the device of the character described, the combination with an open supporting frame; of a screen supported at the top of said frame; a second screen supported in said frame below said first named screen; a cup supported by said last named screen; a wick of absorbent material extending over said last named screen and projecting into said cup; and a receptacle closed at the top and open at the bottom supported by said frame above said wick, said receptacle having the bottom thereof extending through said first named screen and projecting into said cup, with the opening thereof disposed below the upper edge of said cup.

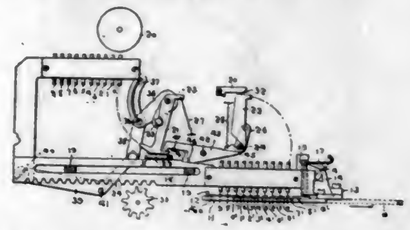
1,640,380. COLLAPSIBLE CHAIR AND EASEL. WILLIAM J. STEWARD, Jamaica Plain, Mass. Filed Oct. 26, 1925. Serial No. 64,800. 5 Claims. (Cl. 45—129.)



1. A collapsible chair and easel having, in combination, a seat, a back rest for a drawing or the like embodying therein a member pivotally attached to said seat and a member slidably mounted upon said pivoted member, means attached to said slidable member to support a drawing, means to clamp said slidable member to said pivoted member at different heights relatively to said seat, a leg adjustably secured to said back rest and supporting said seat at the front thereof, a plurality of X legs supporting said seat at the rear thereof, and means

attached to said slidable member of said back rest to hold the latter at different angles relatively to said seat, said last-named means being adapted to swing both longitudinally of and laterally of said seat.

1,640,381. CALCULATING MACHINE. CORNELIS HENDRICUS STUIVENBERG, Amsterdam, Netherlands, assignor, by mesne assignments, to Naamlooze Vennootschap Kamatec, Amsterdam, Netherlands. Filed Feb. 8, 1923, Serial No. 617,814, and in the Netherlands Feb. 8, 1922. 9 Claims. (Cl. 101—93.)



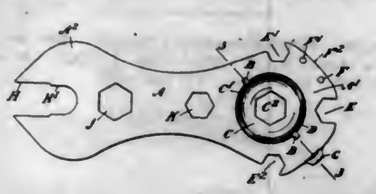
1. In a tabulating machine adapted to take data from perforated cards, movable frames, sets of type supported by said frames, a plate movable relatively to said frames and consisting of a support for a perforated card, and means adapted to enter a perforation in a card supported on the plate during movement of the latter whereby to couple the frames with the plate for simultaneous movement.

1,640,382. BOTTLE-CAP REMOVER. JOHN BOOTH SUMNER, Fort William, Ontario, Canada. Filed Oct. 23, 1924, Serial No. 745,436. Renewed Feb. 5, 1927. 1 Claim. (Cl. 65—47.)



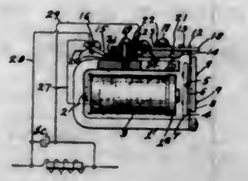
A bottle cap remover comprising a base plate provided with a central opening, a bridge member including oppositely directed foot portions arranged at opposite sides of said openings, vertical portions extending upwardly from the inner ends of said foot portions, a horizontal portion connecting the upper extremities of the vertical portions and formed with a central opening smaller than the opening in the base plate and disposed in registration therewith, a vertically disposed shank passing slidably through the opening in the bridge member and terminating at its lower end in a spear point larger than said last named opening but smaller than the opening in the base plate whereby upward movement of the spear point is limited by contact with the horizontal portion of the bridge member, said spear point being of such length as to project but slightly below the base plate when disposed in raised position between the vertical portions of the bridge member, a handle formed at the upper end of said shank and a spring confined between the handle and the foot portions of the bridge member and encircling the vertical portions of the bridge member so as to be thereby held in concentric relation with the shank, said spring serving to normally hold the shank in elevated position with the spear point engaging the horizontal portion of the bridge member.

1,640,383. SPANNER. ARTHUR EDWARD THOMAS, London, England. Filed Nov. 13, 1924, Serial No. 749,703, and in Great Britain Nov. 15, 1923. 3 Claims. (Cl. 81—90.)



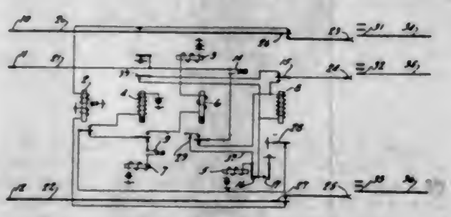
1. In a spanner for the free-wheel of a cycle or the like, the combination of a plane body portion, an annular ring or flange on one face of said body adapted to enter a sleeve to position the face of the body portion against the end face of said sleeve, and a pair of teeth projecting from the same face of said body and adapted to enter recesses in the end of said sleeve.

1,640,384. FIELD-MAGNET MECHANISM FOR TELAUTOGRAPH RECEIVERS. ARLEIGH NEIL VAN NOSTRAND, Flushing, N. Y., assignor to Telautograph Corporation, New York, N. Y., a Corporation of Virginia. Filed June 30, 1926. Serial No. 119,627. 8 Claims. (Cl. 178—18.)



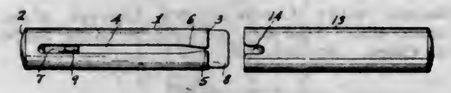
1. In a telautograph receiver having a field magnet including a winding and a magnetic circuit, and having a movable pen-moving coil located in the field of the field magnet, the combination with the field magnet, of a shaker buzzer arranged to vibrate the magnet field of said magnet, said shaker buzzer having an electro-magnetic circuit including a vibratory armature and a winding smaller than those of the said field magnet, said shaker buzzer being provided with means for slowing down its period of vibration to substantially the natural period of charge and discharge of said field magnet.

1,640,385. SELECTOR SWITCH. EDWIN O. WALKER, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed May 11, 1923, Serial No. 638,152. Renewed Jan. 20, 1926. 16 Claims. (Cl. 179—18.)



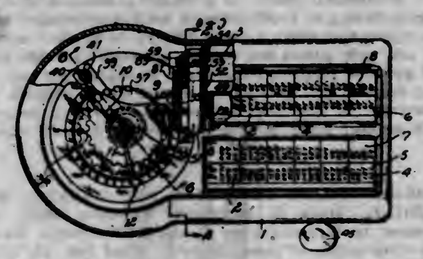
1. In an automatic switch, a stepping magnet, a plurality of operating circuits for said magnet, a locking circuit for said magnet, means for closing one of said operating circuits to cause the initial energization of said magnet, means responsive to a partial energization of said magnet for closing said locking circuit, means responsive to the complete energization of said magnet for opening said locking circuit to deenergize said magnet, and means effective only after said locking circuit has been opened for completing a second operation circuit for said magnet to continue the stepping action of the magnet.

1,640,386. LIP-STICK CONTAINER. GLENN H. WAYNE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 27, 1926. Serial No. 84,010. 2 Claims. (Cl. 206—56.)



1. In a lipstick, the combination of an inner casing having a slot extending substantially the length of the casing and opening from the casing through a narrow throat, a cosmetic holder in the casing having an open end stamped from light metal with a smooth rounded bead or nib on one side forming a longitudinal channel or groove extending inwardly from the open end of the holder and arranged to project through and slide in the slot, and a cover or cap having a slot arranged to receive the head when the cover is in closed position on the casing.

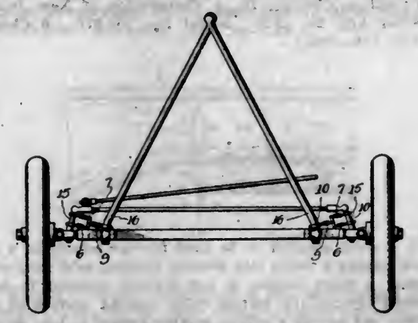
1,640,387. AUTOMATICALLY-CONTROLLED SHUTTER FOR MEASURING MACHINES. JOHN L. WHEELER and GREENE CABLTON HOSCH, St. Louis, Mo., assignors to The Measuregraph Company, a Corporation of Delaware. Filed Mar. 30, 1922. Serial No. 547,954. 16 Claims. (Cl. 33—133.)



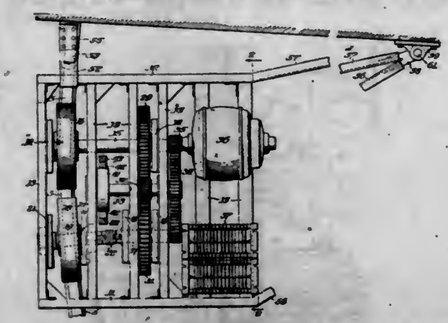
1. In a measuring and computing machine having an indicating member bearing computed numbers corresponding to different measurements and mounted so as to present the numbers at the reading point of the machine, a measuring roller which actuates the indicating member, a marker for marking the articles measured and a zero setting device, a shutter to cover the reading point of the computed numbers, means connecting the marking means with the shutter to open the same, and means actuated automatically in the resetting operation for effecting the closing of the shutter.

1,640,388. STEERING GEAR. BYRON WILLIAMS, Chicago, Ill. Filed Jan. 14, 1926. Serial No. 81,235. 1 Claim. (Cl. 280—94.)

In combination with a motor vehicle chasis having two steering arms, two devices each acting on one of said steering arms to resist an outward movement of said steering arms from said chassis, each of said devices comprising an evener bar, two springs attached one near each end of said evener bar and extending in the same direction therefrom, means for attaching said springs to one of said steering arms, a third spring attached to said evener bar intermediate said first two springs but extending from said evener bar in the opposite direction from said first two springs, and means for securing said third spring to the chassis.

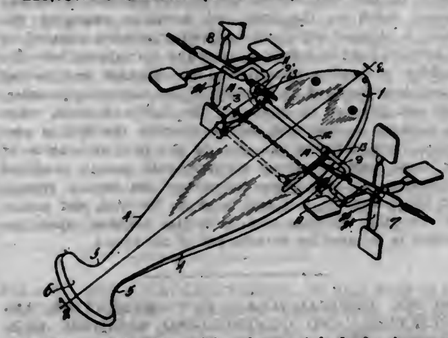


1,640,389. TURNTABLE TRACTOR. ROBERT W. YOUNG, Wilmette, Ill. Filed Sept. 8, 1924. Serial No. 736,418. 3 Claims. (104—88.)



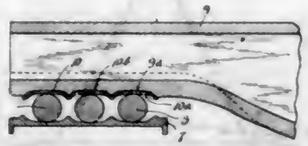
1. In a turntable tractor, the combination of a truck frame, a pair of wheel axles journaled in said frame, one of said axles being sectional with a universal joint coupling connecting the sections thereof, supporting and driving wheels fast on said axles and disposed tandem, a motor mounted on said frame, and a transmission mechanism between said motor and said axles.

1,640,390. SWIMMING APPLIANCE. VICTOR V. BACON, Spokane, Wash. Filed June 12, 1926. Serial No. 115,637. 5 Claims. (Cl. 9—18.)



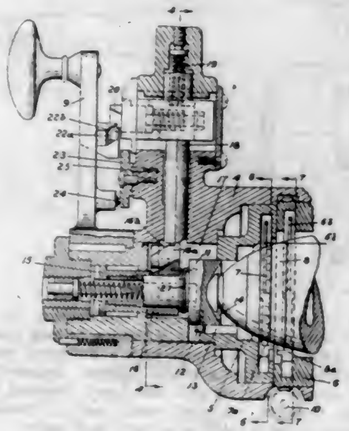
1. The combination with a buoyant body having a narrow trail portion and an enlarged upturned seat portion forming an extension thereof, of a pair of paddle wheels, and manually operated, mechanical propulsion mechanism adjustably supported on said body for said wheels.

1,640,391. SHIM FOR CAR TRUCKS. FRANKLIN L. BARBER, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 24, 1926. Serial No. 104,376. 6 Claims. (Cl. 105—186.)



1. A shim adapted to be used for the bolster of a car truck having a roller side bearing therein, said shim comprising a plate having a top surface adapted to bear directly against the bottom roller bearing surface of the bolster and having a bottom surface formed to bear directly against the top surface of the roller bearing.

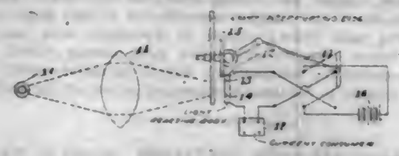
1,640,392. FUSE-SETTING MACHINE. GEORGE W. BEATTY, Decatur, Ill. Filed Mar. 29, 1926. Serial No. 98,286. 12 Claims. (Cl. 86—23.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A fuse setting machine embodying an adjusting member formed with a slot and a groove, a crank for driving the same, a spring pressed bolt normally positioned in the slot of the adjusting member, a spring pressed latch in the bolt and normally engaging the crank, a plunger within the adjusting member adapted to be retracted when struck by a round introduced into the machine, a member mounted on the plunger and having a cam arm disposed in the slot of the adjusting member, said arm adapted to disengage the bolt and latch when the plunger is retracted, means whereby the bolt is prevented from entering the slot on the first revolution of the crank and adjusting member, said means rendered inoperative as the crank commences its second revolution to permit the bolt and latch to function and means for restoring the cam arm to initial position when the plunger is released by withdrawal of the round.

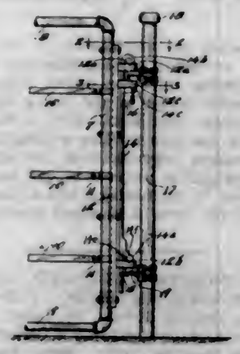
1,640,393. OPTICAL MEANS FOR GENERATING, AMPLIFYING, AND CONTROLLING ELECTRIC CURRENTS. WILLIAM W. COBLENTZ, Washington, D. C. Filed Sept. 18, 1923. Serial No. 663,411. 17 Claims. (Cl. 250—1.)

1. Means for generating electric currents or electromotive forces optically comprising a light reactive body having spots of maximum positive actinoelectromotive force or maximum negative thermal electromotive force



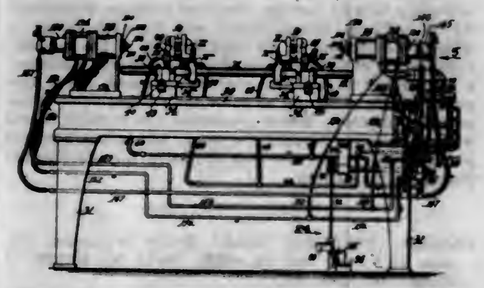
or both, and optical means for selectively exposing said spots to secure photo-electric currents in either direction as desired.

1,640,394. GATE LATCH. EDWIN CROWLEY, Minneapolis, Minn. Filed Mar. 20, 1925. Serial No. 16,996. 12 Claims. (Cl. 292—162.)



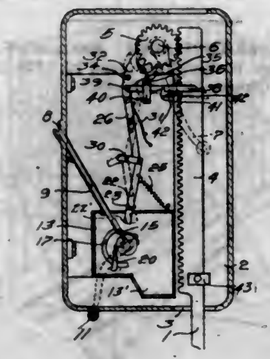
1. A latching means for a swinging member, such as a gate, having in combination, a stationary member having upper and lower keepers thereon, a member carried by said gate guided for vertical movement thereon having portions adapted, respectively, to engage and seat in said keepers, said gate having spaced means adapted, respectively, to pass and be disposed above said keepers, said member being movable and guided in said means.

1,640,395. SHAFT CENTERING AND MARKING MACHINE. MARK H. DAMERELL, Worcester, Mass., assignor to Wyman-Gordon Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 17, 1925. Serial No. 9,884. 18 Claims. (Cl. 33—191.)



1. A shaft centering and marking machine comprising shaft centering and holding devices, a pair of marking heads, a marking device movable in each head, means to advance said marking device against an end of a shaft positioned by said holding devices and means to hammer said marking device into said shaft.

1,640,396. VENDING MACHINE. HERBERT W. DART, Colbert, Wash., assignor of one-half to William H. Ziegler, jr., Colbert, Wash.; Mila S. Dart executrix of said Herbert W. Dart, deceased. Filed Oct. 11, 1924. Serial No. 743,066. 7 Claims. (Cl. 194—66.)



1. The combination with a rotary shaft having a coin-pocket and means for delivering a coin thereto, of a pivoted lever in the path of movement of the coin, a rack wheel, a pivoted pawl for co-action with the rack wheel and an opposed pivoted detent on said pawl, a pivoted link pivotally connecting said lever and pawl, means for locking said pawl in inoperative position after actuation by said lever, a rack actuated by said rack wheel, and means on the rack for releasing said locking means.

1,640,397. CARD-INDEX TRAY. GEORGE H. DAWSON, Cambridge, Mass., assignor, by mesne assignments, to Remington Rand, Inc., Tonawanda, N. Y., a Corporation of Delaware. Filed Dec. 5, 1921. Serial No. 520,184. 15 Claims. (Cl. 129—16.)



1. A card-supporting tray comprising a member having side channels, guideways adjacent said channels, a stationary bar mounted in one channel and an adjustable bar mounted in the other channel, and mechanism connecting said adjustable bar to said member for shifting said adjustable bar to locking or unlocking position.

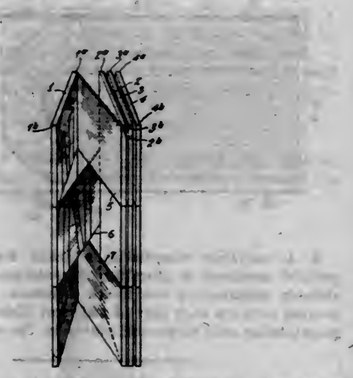
2. In a card-supporting tray having guideways for slidably receiving cards, a support for the lowermost card comprising a plate member having a flange forming the front end of said tray, and a flange upon which the lowermost card is adapted to be supported.

1,640,398. PAPER FASTENER. DUDLEY M. DIGGS, Schenectady, N. Y., assignor of one-half to Henry E. Butler, Schenectady, N. Y. Filed Nov. 12, 1925. Serial No. 68,539. 2 Claims. (Cl. 24—153.)



2. A paper fastener comprising a flat head having advertising indicia on its outer surface, and a pin formed integral with the head and extending across the back of the head at an angle of about 45 degrees to the line of the indicia, the end of the pin extending well beyond the confines of the head.

1,640,399. MECHANICAL TOY BOOK. HERMAN DRUCK, Brooklyn, N. Y. Filed Feb. 8, 1927. Serial No. 166,627. 3 Claims. (Cl. 273—155.)

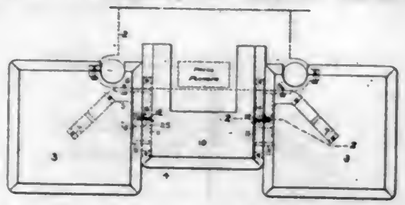


1. In a device of the character described, a plurality of plates positioned face to face and between each two of which are interposed at least two hinge strips, one end of one hinge strip being pivotally secured to one edge of one adjacent plate and the other end of said hinge strip being secured to the opposite edge of the contiguous plate, and one end of the other hinge strip being secured to the other edge of the first mentioned plate, and the other end of the latter hinge strip being secured to the opposite edge of the second mentioned plate, and corelative picture elements delineated on corelative surfaces of the strips and plates with each complete picture conjointly carried by a plate and at least one of its associated strips, whereby the picture elements on the plates and strips are mutually cooperative to form three different complete pictures for each of the end plates and four different complete pictures for each of the intermediate plates.

1,640,400. DETACHABLE FEEDING TABLE FOR MACHINES. WALTER C. FELLOWS, Philadelphia, Pa., assignor to C. R. Carver Company, a Corporation of Pennsylvania. Filed June 18, 1926. Serial No. 116,816. 9 Claims. (Cl. 271—61.)

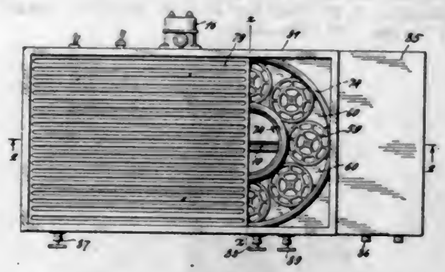
1. The combination with a machine, of a feed table comprising brackets spaced apart, a detachable table board supported on both of the brackets, means for definitely

positioning the table board upon the brackets, and separate locking devices secured to each of the brackets and adapted to engage the opposite side portions of the table



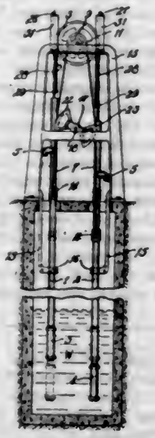
board and clamp it down firmly upon the brackets and thereby prevent its rising and disengagement from the means for positioning it upon the brackets.

1,640,401. WASHING AND STERILIZING DEVICE. WILLIAM C. FLINTHAM and ELMER H. BRIDENBAUGH, Denver, Colo.; said Bridenbaugh assignor to said Flintham. Filed May 3, 1926. Serial No. 106,343. 5 Claims. (Cl. 198—181.)



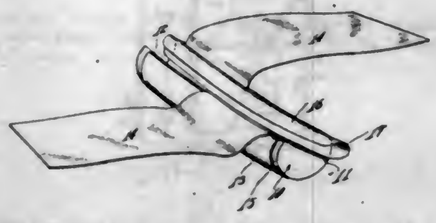
1. A conveyor comprising a track formed from two parallel members, a plurality of perforated circular disks slidably mounted on said track members, a spacing plate located between each pair of adjacent disks and means for maintaining said disks and plates in the same plane.

1,640,402. DUPLEX PUMP. KARL F. GERHARD, Hatton, Wash. Filed Jan. 23, 1926. Serial No. 83,281. 4 Claims. (Cl. 103—200.)



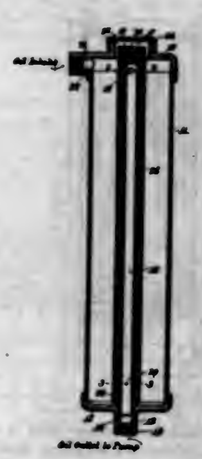
4. In a duplex pumping mechanism the combination with a pair of oppositely reciprocating pump rods and a pair of complementary pump tubes, an oscillatable shaft having a large pulley and a pair of smaller pulleys thereon, a pair of chains connected at their ends to said pump rods and suspended over said smaller pulleys and a chain connected at its ends with said rods and suspended over the larger pulley, means for guiding the pump rods, fixed guides for the pump tubes, and an oscillatable guide for co-action with the chains of the pump tubes.

1,640,403. INNER-TUBE BOOT. BENJAMIN V. GILMORE, Gauley Bridge, W. Va. Filed Sept. 22, 1926. Serial No. 137,059. 6 Claims. (Cl. 152—24.)



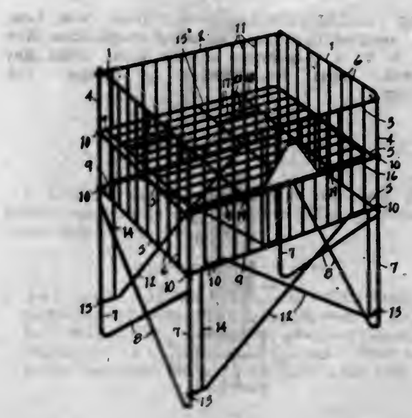
6. The combination with a rim, a casing therein having beads, and an inner tube within the casing, of a split boot embracing the inner tube and provided with straps extending in crossed relation beneath the beads of the tire casing and anchored between said beads and the rim for retaining the boot against opening movement at the split therein.

1,640,404. PRIMING AND VACUUM TANK. SINIUS M. HANSEN, Lynn, Mass., assignor, by mesne assignments, to Victor Shoe Machinery Company, Lynn, Mass., a Corporation of Massachusetts. Filed May 8, 1924. Serial No. 711,911. 5 Claims. (Cl. 103—203.)



1. A tank having an inlet near the top thereof and an outlet in the bottom; and a pipe extending upwardly in the tank from said outlet closed at its upper end and having lateral openings in the wall thereof near the top and also near the bottom, said wall being otherwise imperforate.

1,640,405. DISPLAY RECEPTACLE. CHARLES T. HATCH, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich. Filed Feb. 21, 1927. Serial No. 169,881. 5 Claims. (Cl. 211—14.)



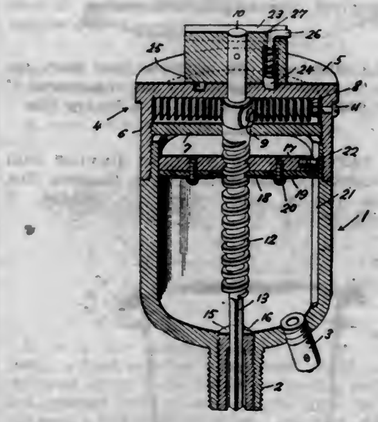
1. In a collapsible receptacle, the combination of end members including corner uprights, front and rear members including vertically spaced horizontal members provided with eyes engaging said end member uprights permitting collapsing, a bottom provided with transverse members projecting at their ends, the front ends of said transverse members being formed into downturned hooks adapted to be engaged with horizontal members of the front, the rear ends terminating in eyes, and links on the rear member engaging said eyes whereby the bottom may be supported with the links in upright position or in a depending position with the hooks engaged with different front longitudinal members or the hooks may be disengaged and the bottom suspended in vertical position from said links permitting collapsing of the receptacle.

1,640,406. STANDING-VALVE PULLER. ROB C. HAWKINS, Long Beach, Calif. Filed Oct. 23, 1926. Serial No. 143,716. 7 Claims. (Cl. 103—180.)



1. In a pump comprising a standing valve and a plunger, a post rising from said standing valve, a sleeve yieldably mounted on said post and means on said plunger adapted to engage said sleeve, whereby the standing valve may be pulled.

1,640,407. AUTOMATIC LUBRICATING CUP. GEORGE F. HERBST, Underhill, Wis. Filed May 28, 1926. Serial No. 112,315. 4 Claims. (Cl. 184—45.)



1. In a lubricating device of the class described, a lubricant containing cup having a discharge neck at its bottom, a regulating plug threaded into said neck, a rotary shaft in said cup connected at its lower end to said plug for operating the latter, and spring means for operating said shaft.

1,640,408. STANDING VALVE. JOHN W. HOUSE, Corsicana, Tex. Filed May 20, 1926. Serial No. 110,518. 6 Claims. (Cl. 103—228.)



1. A valve of the character specified comprising a body, similar heads at opposite ends of the body, having their inner and outer faces oppositely inclined, and wings projecting radially from the body beyond the sides of the head and having the projecting corners cut away.

1,640,409. PIE-PLATE ATTACHMENT. WILLIAM HOUSTON, Haverhill, Mass. Filed Apr. 19, 1927. Serial No. 184,874. 2 Claims. (Cl. 53—6.)

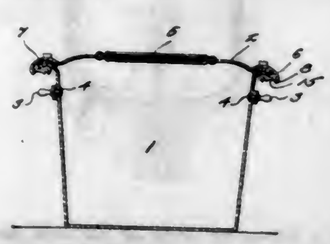
1. A pie plate attachment comprising a continuous flat metal ring formed to be removably fitted to the edge of the plate rim and to extend above the surface thereof and a transversely fluted metal strip enclosed within and

secured to one edge portion of the inner surface of the ring and having its ends meeting, to permit the opposite edge portion of the ring to form a retaining flange



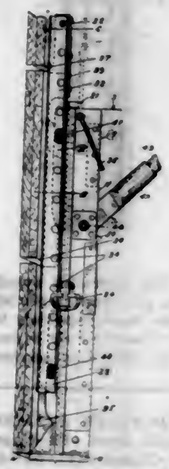
adapted to be passed onto the plate rim from above the same and to be supported thereon by the engagement of the adjacent edge of the fluted strip with its top side.

1,640,410. FASTENING OR SEALING DEVICE FOR BURIAL CASKETS. IRA IRVING INMAN, Hartford City, Ind. Filed Apr. 28, 1926. Serial No. 105,246. 2 Claims. (Cl. 27—6.)



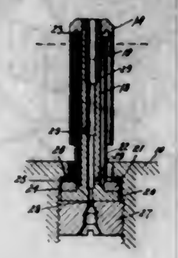
1. The combination with conforming rims on the adjacent marginal edges of a body and a cover of a burial casket including a packing between the rims, a bolt passing through the conforming rims and the packing and provided with means to engage the under face of the rim of the body to draw the two rims together, means for holding the tightening means in fastened position, said bolt including opposite shoulders, and means carried by the bolt consisting of eccentrically mounted cams adapted to engage with said shoulders, when said means engage with the under face of one of the rims to limit disconnection of such means from the bolt, when the fastening means is in a position at right angles to the bolt, a position such as used to prevent detachment of such means.

1,640,411. JACK. FRED J. JACKSON, Minneapolis, Minn. Filed Jan. 25, 1926. Serial No. 83,753. 4 Claims. (Cl. 254—133.)



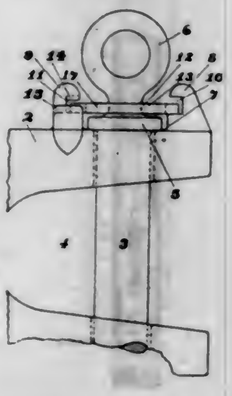
1. A jack, for raising grain car doors having separable vertically movable sections, comprising a rack, means for raising the rack, section engaging devices, and means for associating the section engaging devices with the rack whereby the upward movement of the latter will successively engage the devices to space the sections from each other before raising the entire door.

1,640,412. CARBURETOR. JOHN JUHASZ, New York, N. Y., assignor to Juhasz Carbureter Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,743. 3 Claims. (Cl. 261—121.)



2. A carburetor nozzle comprising a suction-controlled tube provided with a bore having a stepped cross-section, a fuel connection leading to the lower end of said tube, said tube being provided with openings at different levels between said fuel connection at its upper end, and means for supplying air to the said openings and at the same time preventing leakage of fuel therethrough, said openings being normally sealed by the fuel at low speeds and admitting air into said tube in succession at high speeds.

1,640,413. COUPLING-PIN RETAINER. BENJAMIN F. KURTZ, Bellevue, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 1, 1926. Serial No. 99,083. 10 Claims. (Cl. 213—188.)



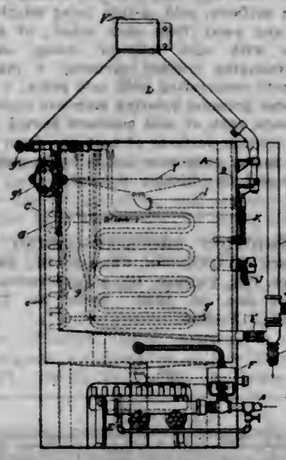
1. In a car, a coupler mounted thereon, a coupling pin movably mounted in said coupler, and movable means for maintaining said pin in said coupler, said means being caused to operate transversely of the axis of said pin by certain movements of said car.

1,640,414. FLEXIBLE HAND STAMP. FRED L. LAKE, Dallas, Tex. Filed May 7, 1926. Serial No. 107,498. 2 Claims. (Cl. 101—406.)



1. A hand stamp comprising a base and stem of flexible rubber, said stem having a stiffening element entirely embedded in the stem.

1,640,415. APPARATUS FOR PURIFYING USED MINERAL LUBRICATING OIL. ROBERT E. LANGSTON, Fort Wayne, Ind., assignor to Wayne Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Sept. 27, 1921. Serial No. 503,533. 2 Claims. (Cl. 196—16.)



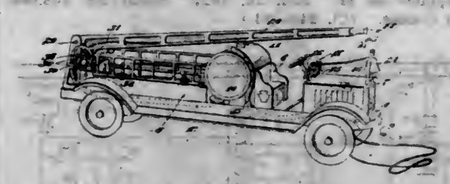
1. An apparatus for purifying lubricating oil contaminated with volatile fluids and other foreign matter; consisting of a tank adapted to hold said contaminated oil while under treatment, a heating jacket for said tank, means for heating the contents of said jacket to a temperature substantially above 212° Fahrenheit, coils of metal tubing within said jacket and extending from said jacket into said tank and opening thereinto, and means for feeding water into said coils for generating steam.

1,640,416. PILE TRUSS. DONALD J. MACDONALD, Cambridge, Mass. Filed June 25, 1926. Serial No. 118,589. 3 Claims. (Cl. 128—98.)



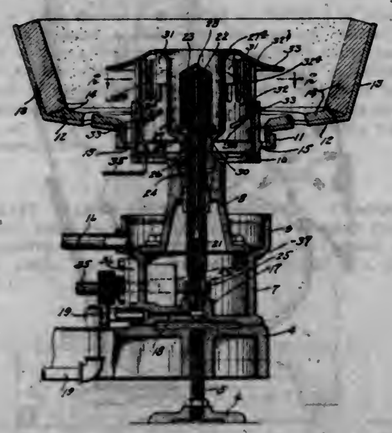
1. A truss comprising a supporting member normally adapted to bear against the rectum, and a harness for retaining the same on the body of a wearer and including a crotch strap, the said supporting member having an opening therethrough to loosely receive the crotch strap to movably retain said member thereon, another opening communicating with the first opening, and said member adapted to be moved from its normal position when desired to register said opening with the rectum for the purpose defined.

1,640,417. PUMPING-ENGINE TRUCK. ISIDORE MARKS, Dorchester, Mass., assignor to Keystone Mfg. Co., Boston, Mass., a Corporation of Massachusetts. Filed May 8, 1926. Serial No. 107,625. 8 Claims. (Cl. 46—48.)



1. In a toy pumping engine four-wheeled truck, a frame, a hood mounted on the front end of the frame, an air pump on the frame within the hood, a combined water and pressure tank mounted on the frame at the rear of the hood, a cab between the hood and tank, a hose for delivering water from the tank and having a discharge nozzle, a hose extending from the pump to the tank, a tower for the water hose pivotally mounted at the rear end of the frame, manually operable means cooperating with the tower for raising and lowering the same, a pump operating crank of the motor starting type located at the front of the frame, and means connecting the crank with the pump, all of the aforesaid parts being in miniature and constructed and combined as a toy.

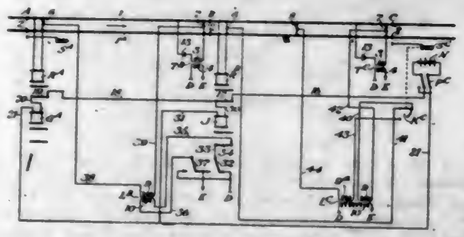
1,640,418. OIL BURNER. EARL MARR, Minneapolis, Minn., assignor to Marr Oil Heat Machine Corporation, Minneapolis, Minn., a Corporation. Filed Oct. 26, 1925. Serial No. 64,741. 4 Claims. (Cl. 158—77.)



1. In a centrifugal oil burner, the combination with an upright non-rotary oil delivery pipe provided with a distributing head having a downturned oil delivery conduit offset from the axis thereof so as to deliver the oil radially outward of said oil delivery pipe, a rotary sleeve journaled around said oil delivery pipe, an open deep atomizing cup secured to said sleeve for rotation therewith, and an inverted cup-shaped cap enclosing said distributing head and secured at its lower portion to the bottom of said cup for rotation therewith around said

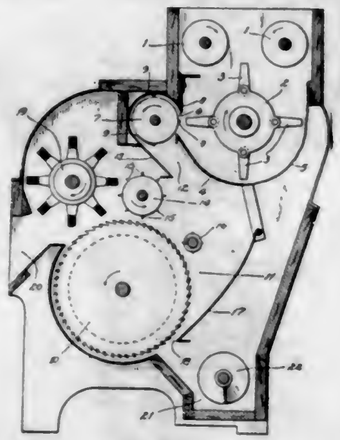
cup, said cap being open at its lower portion for the discharge of oil to the bottom of said cup, the upper end of said sleeve being extended upward within said cup and terminated close to the top of said cap.

1,640,419. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Mar. 1, 1924, Serial No. 696,344, Patent No. 1,629,832, dated May 24, 1927. Divided and this application filed Jan. 26, 1927. Serial No. 163,690. 6 Claims. (Cl. 246—34.)



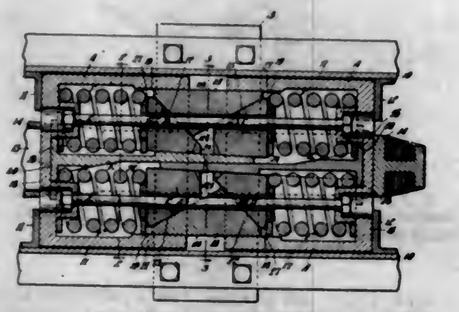
6. In combination, a forward and a rear section of railway track, traffic governing means for the rear section including a relay, a circuit for said relay controlled in accordance with traffic conditions in advance of the forward section, a second relay connected in parallel with the first relay, and means controlled by the second relay for supplying train governing current to the rails of the rear section.

1,640,420. COTTON EXTRACTING AND CLEANING MACHINE. JOHN E. MITCHELL, St. Louis, Mo. Filed Jan. 4, 1926. Serial No. 79,084. 13 Claims. (Cl. 19—36.)



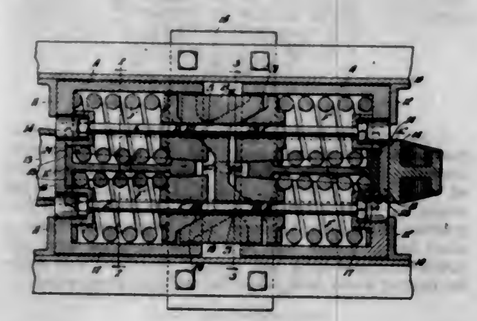
1. In a cotton cleaning machine affording a working chamber having a free passage for hulls from an inlet at the top to an outlet at the bottom, a saw cylinder operating in said chamber and past which the outlet from said chamber extends, and a pair of kicker rolls located in said chamber in unobstructed relation to each other to co-operate with said saw cylinder in knocking back hulls in cotton carried around by the latter, the one being located above the other, and the lower kicker roll being positioned at a greater distance from the surface of the saw cylinder than the upper.

1,640,421. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Nov. 27, 1925. Serial No. 71,795. 11 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with front and rear follower casing having interior friction surfaces, said casings being relatively movable toward and away from each other; of a friction post movable with each follower casing, said posts having inter-engaging friction surfaces; a plurality of friction elements cooperating with said posts; a plurality of lateral, wedge pressure creating members engaging said friction elements, each of said members having frictional contact with friction surfaces of both the front and rear casings; and spring resistance means interposed between each follower and the friction elements.

1,640,422. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a Corporation of Delaware. Filed Dec. 26, 1925. Serial No. 77,787. 2 Claims. (Cl. 213—36.)



1. In a friction shock absorbing mechanism, the combination with front and rear follower casings; of a friction post movable with each casing, each post having friction surfaces on the opposite sides thereof converging inwardly of the mechanism; a wedge member disposed between said casings and embraced thereby, said member having front and rear sets of opposed interior wedge faces; front and rear pairs of friction shoes, the shoes of each pair cooperating with one of said posts and being disposed at opposite sides of the latter and having friction surfaces co-operating with the friction surfaces of said post, each shoe also having a wedge face co-operating with one of the faces of said wedge member;

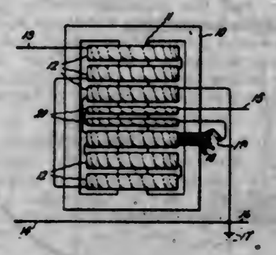
and twin arranged springs in each casing disposed on opposite sides of the corresponding post and resisting relative movement of said casing and the corresponding friction shoes.

1,640,423. ILLUMINATING DEVICE. JAMES A. O'NEIL, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 16, 1924. Serial No. 706,830. 1 Claim. (Cl. 240—103.)



A lighting unit comprising a globe, a source of light, a reticular trough reflector, said light source being located along the axis of the globe, said reflector being located between the light source and the globe, the axis of the reflector extending transverse a plane at right angles to the axis of the globe and crossing the axis of the globe.

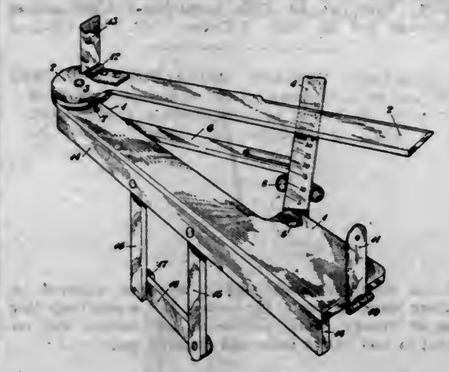
1,640,424. AUTOTRANSFORMER. KONSTANTIN K. PALUEFF, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 29, 1926. Serial No. 84,729. 2 Claims. (Cl. 171—119.)



1. An auto transformer comprising a core, a main winding and a protective winding on said core, said main winding having a plurality of taps, and a tap switch connected between said protective winding and said taps, whereby a line conductor may be connected through said protective winding to any selected tap.

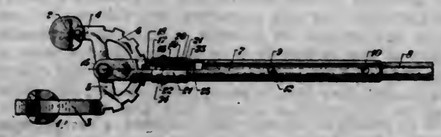
1,640,425. MEASURING INSTRUMENT. HARRY S. PERCIVAL, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,720. 4 Claims. (Cl. 88—2.4.)

1. An instrument of the class described comprising a fixed arm, a calibrated scale pivoted to and fixable with relation to said fixed arm, a movable arm pivoted to one end of said fixed arm and slidable over said scale, sighting means on the other end of said fixed arm, and a



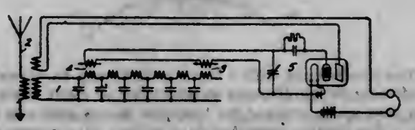
mirror mounted on said movable arm at the pivotal end thereof in a plane perpendicular to the upper and lower surfaces and to one long edge of said arm.

1,640,426. CABLE BENDER. VERNON B. PIKE, Cheltenham, Pa. Filed Aug. 24, 1923. Serial No. 659,195. 7 Claims. (Cl. 81—15.)



1. A cable bender comprising a plurality of arms of different lengths, a cable gripping shoe on each of said arms, a yoke joining said arms in fixed co-relation, a lever handle adjustable as to length and pivotally attached to the middle portion of said yoke, and means for securing said handle with respect to the axis of said yoke at any one of a plurality of angles within an arc of approximately 180°.

1,640,427. RADIO RECEIVING SYSTEM. CHESTER W. RICE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 21, 1922. Serial No. 602,427. 6 Claims. (Cl. 250—20.)



1. The combination in a radio receiving system of an artificial transmission line having an effective length equal to several wave lengths of the signals to be received, means for impressing received signaling impulses upon said artificial line and a receiving set having an input circuit coupled to said artificial line at two different points along its length at least a wave length apart.

1,640,428. ELECTRODE FOR ELECTRIC-DISCHARGE DEVICES. FRANZ SKAUPY, MARCELLO PIRANI, FRITZ BAHR, and WERNER FEHSE, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed Oct. 30, 1923, Serial No. 671,795, and in Germany Dec. 22, 1922. 3 Claims. (Cl. 176—136.)



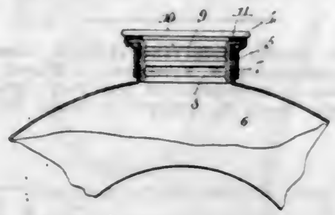
3. An electrode comprising a mass of sintered refractory metal having a flat surface and a relatively thin stem of wrought metal oblique to said surface and imbedded in and united with said sintered mass.

1,640,429. COMB. MINNIE L. SPEER, Pittsburgh, Pa. Filed Mar. 8, 1927. Serial No. 173,642. 1 Claim. (Cl. 132—21.)



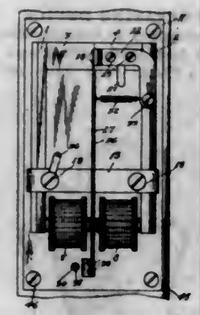
In an article of the character described, a flexible outer shield and a flexible comb formed integrally therewith positioned inwardly of said shield and along the lower edge thereof, said shield being curved in the sense of its height, for the purpose set forth.

1,640,430. BOTTLE OR BAG GASKET. STANLEY J. STANLEY, New York, N. Y. Filed June 12, 1925. Serial No. 36,663. 1 Claim. (Cl. 150—8.)



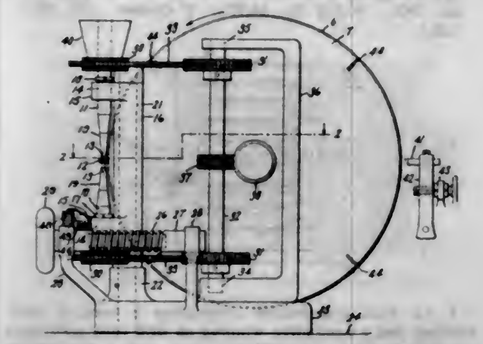
The combination with a bottle neck having an outwardly projecting flange disposed substantially at right angles to the neck and a stopper for insertion in the neck and having a flat portion overlying said flange; of a gasket comprising a flat ring of pliant material of substantially the same breadth as said flange and adapted to lie upon the latter and to be compressed by said flat portion, a channel portion to receive the outer edge of said bottle neck, and a skirt extending beneath said flange; said gasket having its channel and skirt portions of slightly less diameter than said bottle flange and neck respectively, whereby to snugly embrace the latter upon its top, bottom and outer edges.

1,640,431. RELAY. MICHAEL B. STAZAK, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1922. Serial No. 601,014. 10 Claims. (Cl. 200—91.)



1. In a relay of the class described including a mounting plate, a pair of permanent magnets mounted upon said mounting plate and parallel to each other, the ends of said permanent magnets of like polarity being disposed opposite each other, a pair of electromagnet coils secured to and between one pair of ends of said permanent magnets, an armature operatively associated with and between the ends of the cores of said electromagnets, a spring contact member normally in engagement with said armature for closing a circuit between said armature and said contact member, said armature adapted to vibrate when current impulses of high frequency flow through said electromagnets, whereupon said spring member vibrates to open the circuit periodically so long as said armature is vibrating, and a yoke member for maintaining said magnets on said mounting plate and also for retaining said coils in operative relation with said armature.

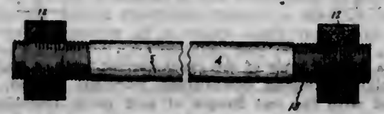
1,640,432. METHOD AND MEANS FOR MANUFACTURING GEAR WHEELS. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 27, 1925. Serial No. 25,991. 6 Claims. (Cl. 90—3.)



1. The method of producing finished gear teeth on a gear wheel blank in one operation, which comprises removing surplus material from the blank to form gear teeth thereon by rotating the blank about its axis of rotation in frictional contact with a smooth rapidly moving gear tooth generating thread which corresponds in shape and in pitch with the shape and circular pitch of the desired gear teeth, the blank being gradually moved toward the generating thread until the desired tooth depth is obtained, the removal of material being thereby effected by friction assisted by the heat developed thereby and all of the gear teeth being formed substantially simultaneously, and then permitting the formed gear wheel to continue to revolve in slight contact with the generating thread to finish and polish the teeth while said gear wheel is cooling.

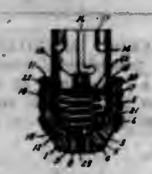
5. In a gear tooth forming machine, the combination with a disk of relatively large diameter, of a rigid supporting bearing means for the disk providing a fixed axis about which the disk revolves, a gear tooth generating means on the periphery of the disk, means adjacent the periphery of the disk for releasably gripping and holding a pinion blank and rotating the same in tangential relation with the periphery of the disk, said means being movable toward and away from the disk, and means forming a driving connection between the disk and the last-named means which provides a speed reduction from the disk to said means.

1,640,433. INSULATING ELEMENT. JOHN J. WELDON, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 20, 1926. Serial No. 123,774. 4 Claims. (Cl. 154—2.6.)



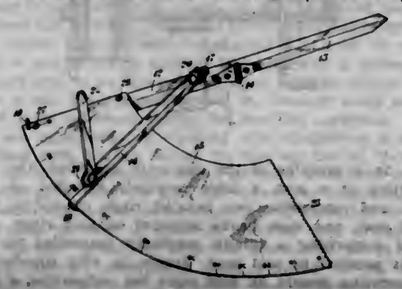
1. An element comprising a bundle of hard twisted textile material cords which extend side by side from end to end of the element and are in mutual contact, and a phenolic condensation product which holds the cords under compression.

1,640,434. SOCKET ADAPTER. FREDERICK H. WESTON, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed July 5, 1923. Serial No. 649,681. 4 Claims. (Cl. 173—344.)



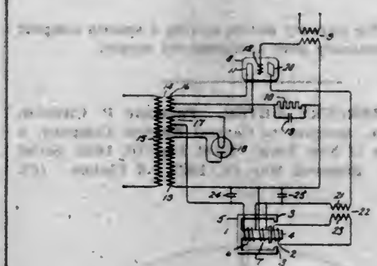
1. A socket adapter comprising an insulating base, a threaded shell contact embracing said base and provided with a flange at one end, a metal tube located within and attached to said flange, lamp holding means provided in said tube, an external center contact mounted on said base, and a spring-pressed contact located within said tube and electrically connected with said center contact.

1,640,435. SIGHTING INSTRUMENT FOR MEASURING ANGLES. FRANK C. ARMSTRONG, Little Neck, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,742. 1 Claim. (Cl. 33—64.)



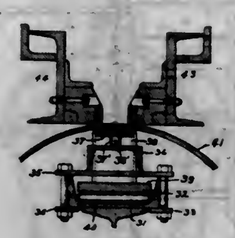
An instrument of the class described comprising a calibrated scale, a fixed sighting arm composed of two sections, the first of said sections being pivoted to said scale at one point, and the second of said sections being hinged to the first, means for attaching said first section to said scale at a second point, and a movable sighting arm pivoted to said first section and slidable over said scale.

1,640,436. AMPLIFYING SYSTEM. FREDERICK C. BARTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 14, 1925. Serial No. 69,200. 4 Claims. (Cl. 179—171.)



1. The combination of a sound reproducing device comprising a plurality of field circuits and an operating circuit, an amplifier provided with a grid for controlling the transmission of current between its cathode and anode to cause voltage impulses to be applied to said operating circuit, and current supply means connected between said anode and cathode through one of said field circuits and to another of said field circuits independently of said amplifier.

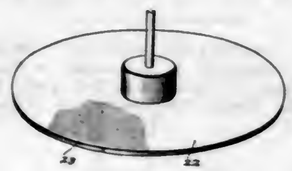
1,640,437. ELECTRIC WELDING. VERNI J. CHAPMAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1925. Serial No. 9,403. 9 Claims. (Cl. 219—8.)



6. An electric arc welding machine comprising magnetizable holding members extending along the line of the seam to be welded, means adapted to clamp the work against said holding members, and means for magnetizing said holding members to produce a magnetic field directed across and extending along the line of the weld.

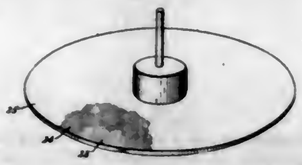
8. An electric welding apparatus comprising a flexible backing member adapted to contact with the parts to be welded, and means comprising a distensible hose extending along the line of the weld for forcing said backing member against said parts.

1,640,438. MERCURY METER. FREDERIC P. CHURCH, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 3, 1923. Serial No. 649,385. 3 Claims. (Cl. 171—265.)



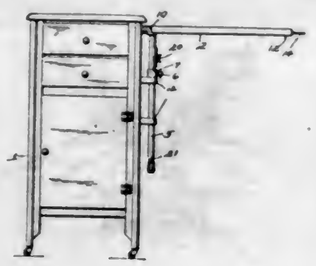
1. A rotor for mercury meters having a smooth compact surface of chemically pure amalgamated copper.

1,640,439. MERCURY METER. FREDERIC P. CHURCH, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 16, 1925, Serial No. 2,947. Renewed May 14, 1927. 3 Claims. (Cl. 171—265.)
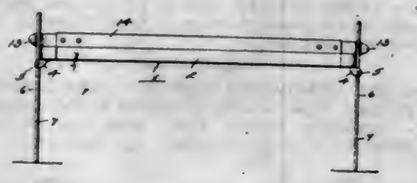


2. A rotor for mercury meters comprising a disc of copper having a first coating of cobalt and a second and outer coating of substantially chemically pure copper.

1,640,440. COMBINATION TABLE AND TRAY. ISIAH CONRAD, Columbus, Ohio, assignor to F. O. Schoedinger, Columbus, Ohio. Filed Aug. 8, 1925. Serial No. 49,098. 2 Claims. (Cl. 115—82.)



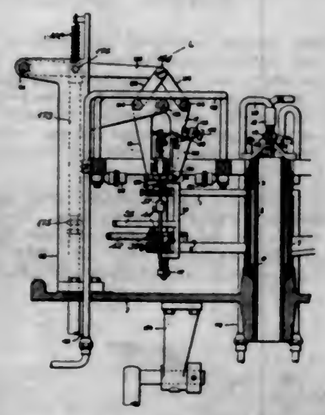
1. An adjustable tray structure for bed side tables comprising a shaft mounted in connection with a support for turning movement about a vertical axis, a substantially rectangular frame pivoted to the upper end of said shaft for turning movement about a horizontal axis, connecting means for maintaining said frame in its various positions of adjustment relative to said shaft, a tray member slidably received by said rectangular frame, a bracket fixed to one end of said tray and arranged to engage with said frame so as to maintain the tray when inactively positioned in vertical suspended relationship with respect to said frame, and a second bracket secured to the opposite end of said tray and engaging with the walls of said frame to maintain said tray when actively positioned in a horizontal plane and in projecting relationship with respect to said frame.

1,640,441. PORTABLE AND COLLAPSIBLE TABLE OR TRAY. ISIAH CONRAD, Columbus, Ohio, assignor to F. O. Schoedinger, Columbus, Ohio. Filed Aug. 8, 1925. Serial No. 49,097. 1 Claim. (Cl. 45—11.)



In a folding table of the character set forth, a supporting plate including downturned marginal flanges, lugs formed with the end flanges of said plate, foldable end frames for said plate pivoted to said lugs whereby said frames are capable of being moved from inactive positions lying substantially in the plane of said plate to active positions occupying planes substantially at right angles to that of said plate, each of said frames being formed to include transversely spaced longitudinally extending side bars, a connecting upper bar and a loop shaped leg connection between the lower ends of the side bars, an offset arm provided upon one of said side bars, a spring means engaging with the arm of each of said frames for retaining the latter locked in their active vertical positions.

1,640,442. STEM-MAKING MACHINE. HENDRIK DE JONG, Eindhoven, Netherlands, assignor to General Electric Company, a Corporation of New York. Filed July 9, 1924, Serial No. 724,953, and in the Netherlands July 19, 1923. 13 Claims. (Cl. 49—2.)



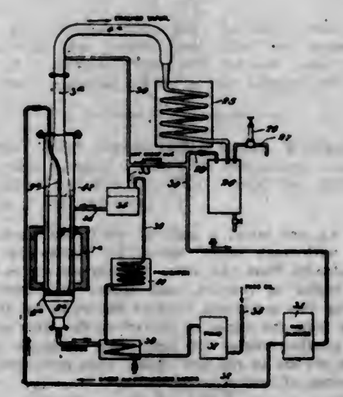
1. In a machine of the character described, the combination of a post, a table rotatably mounted on said post and comprising two parallel rings concentric with said post, and stem heads mounted on said rings, each head comprising a spindle rotatably journalled in said rings parallel to said post, fingers on said spindle and cooperating fingers on said table for supporting a stem tube and an exhaust tube with their ends juxtaposed, and means for holding leading-in wires within said stem tube.

1,640,443. ELECTRICAL DISCHARGE DEVICE. PHILIP K. DEVERS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1926. Serial No. 157,030. 3 Claims. (Cl. 176—123.)



1. An electric discharge device comprising an envelope, cooperating spaced electrodes therein, a starting circuit therefor, a quantity of normally liquid vaporizable conducting material in said envelope, and a receptacle within said envelope located and shaped to contain a quantity of said vaporizable material in position to close said starting circuit.

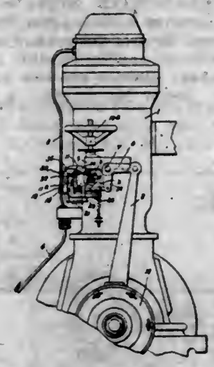
1,640,444. PROCESS AND APPARATUS FOR CRACKING HYDROCARBON OILS. WARREN F. FARAGHER and WILLIAM ARTHUR GRUSE, Pittsburgh, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Jan. 15, 1921. Serial No. 437,479. 4 Claims. (Cl. 196—68.)



1. The method of cracking oils, which comprises subjecting a body of oil in a still to the action of heated surfaces and thereby heating the oil to a cracking temperature under pressure and introducing a current or currents of gas, acting on the "air-lift" principle, in upwardly directed jets in an upwardly directed passage within the body of oil, the gaseous current or currents being made up of gases produced during the cracking operation.

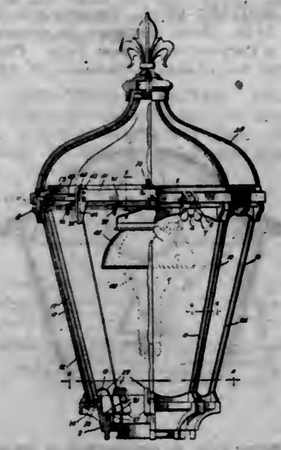
3. An apparatus for cracking oils, comprising a still provided with heating means for heating the oil therein to a cracking temperature under pressure, means for withdrawing gases from the still, and means for reintroducing a gaseous current or currents comprising a portion of the same into the still in upwardly directed jets, acting on the "air-lift" principle, near the lower end of an upwardly directed circulation pipe arranged in the still and adapted for coacting with the gaseous current or currents for effecting circulation of the oil over the heating surfaces of the still.

1,640,445. INTERNAL-COMBUSTION ENGINE. JOHANN GERSTMAIR, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed June 23, 1924, Serial No. 721,756, and in Germany July 7, 1923. 7 Claims. (Cl. 123—140.)



1. The combination with an internal combustion engine, having a pump for supplying fuel to it and actuating means for the pump, of means which at normal speeds is inactive and comes into action when the speed of the engine decreases below a certain minimum low value for increasing the amount of fuel supplied by the pump to the engine, whereby the amount of fuel supplied to the engine cannot be diminished to an extent such that the engine will stop.

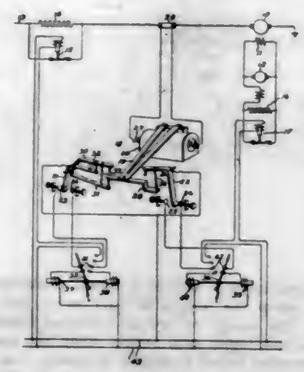
1,640,446. LANTERN. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,483. 3 Claims. (Cl. 240—25.)



1. A lantern having a top frame and a bottom frame and a series of ribs interposed between the top and the bottom frames, said elements forming a series of panel frames, a glass panel for each frame, a non-metallic gasket imbedded in each rib for protecting the glass

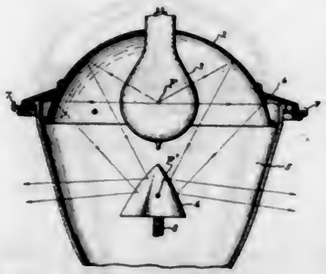
from the metal, each of said ribs serving as a frame element for two adjacent panels, the gasket on each rib protruding between the two adjacent panels to prevent the panels from coming into contact.

1,640,447. THERMAL-RESPONSIVE SWITCH MECHANISM AND PROTECTIVE SYSTEM EMPLOYING THE SAME. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Original application filed Dec. 16, 1924, Serial No. 756,343. Divided and this application filed Mar. 4, 1926. Serial No. 92,303. 6 Claims. (Cl. 171—312.)



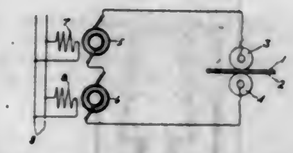
1. The combination with a plurality of electric switches, each operable between a plurality of positions and having electro-responsive means for operating the same to each position, of a thermal responsive movable element, and control switch mechanism connected to be actuated by said element for controlling said means to separately operate each of said electric switches to each position responsively to a different predetermined temperature of said element.

1,640,448. LIGHTING UNIT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,424. 3 Claims. (Cl. 240—103.)



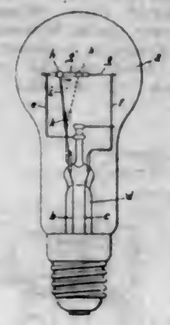
3. In a lighting unit, in combination, a main ellipsoidal reflector, a source of light located at one focal region of the reflector and a convex reflector covering the conjugate focal region of the main reflector, the convex surface of the convex reflector being toward the main reflector and also being asymmetrical in configuration whereby a zone of light is produced about the axis of the unit having asymmetric distribution.

1,640,449. RESISTANCE LINE WELDING. EDWARD M. HEWLETT, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 22, 1924. Serial No. 751,600. 5 Claims. (Cl. 219—4.)



1. The method of resistance line welding which comprises continuously transmitting currents of different frequencies through the weld metal for periodically varying the value of the resultant current transmitted through said metal in a manner to cause it to be alternately heated to its welding temperature and cooled to a temperature at which it hardens.

1,640,450. ARC LIGHT. ALOIS IHLN, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Dec. 24, 1923, Serial No. 682,371, and in Germany May 5, 1923. 3 Claims. (Cl. 176—1.)



1. In an arc lamp, a pair of electrodes normally in contact with each other, means for separating one of said electrodes from the other whereby an arc is started in the region of contact, said means also serving for continuing the movement of said electrode to draw the arc away from the region of contact on the other electrode toward another region of said other electrode and to maintain the arc in the new region, thus preventing rapid deterioration of said point of contact.

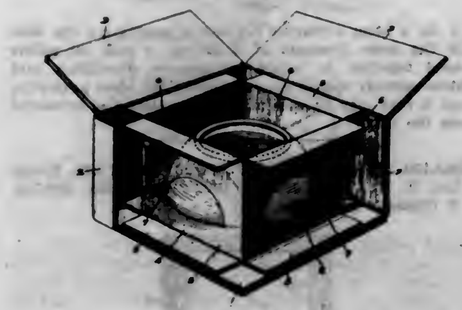
1,640,451. ELASTIC-FLUID TURBINE. OSCAR JUNGGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 15, 1926. Serial No. 109,419. 4 Claims. (Cl. 253—77.)



1. The combination with a rotor member having a rim provided on one side with an axially-projecting shoulder, and means providing an upwardly-facing groove

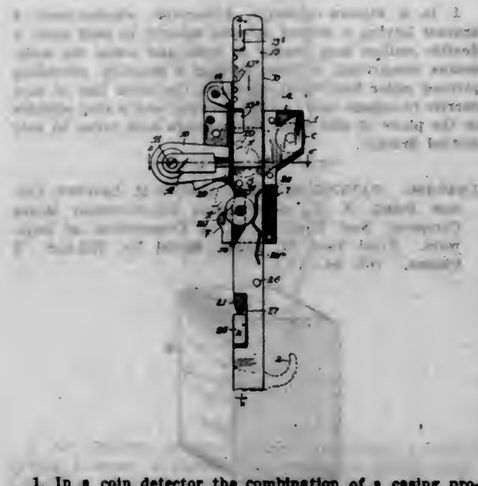
spaced from the shoulder, of a bucket structure having a base provided with a shoulder which locks with the shoulder on the rotor, and two tongues which project from opposite sides of the base and extend axially and radially inward, the end of one of said tongues engaging in said upwardly-facing groove and the other tongue overlying the side of the rim.

1,640,452. PACKING CASE. HARRY N. KNOWLTON, St. Paul, Minn., assignor to General Electric Company, a Corporation of New York. Filed Oct. 30, 1923. Serial No. 671,744. 3 Claims. (Cl. 206—65.)



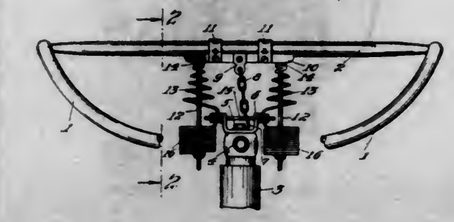
1. A packing case comprising an inner case member and an outer case member, said inner case member consisting of a polygonal tube with its side walls provided with article engaging apertures and integral end flanges.

1,640,453. COIN DETECTOR. MORRIS F. KRAUS, Chicago, Ill., assignor to Michael Perciabosco and James Rosinia. Filed Feb. 29, 1924. Serial No. 695,909. 4 Claims. (Cl. 194—97.)



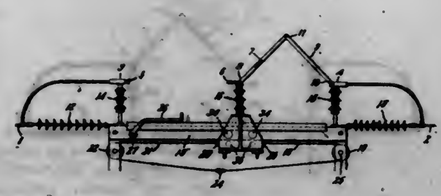
1. In a coin detector the combination of a casing provided with a coin passage, a bar passing through said casing and adapted to be depressed to operate the machine, a locking member mounted on said casing and yieldably held in position to engage a notch in said bar, to prevent the depression of said bar, a coin detecting stud carried by said locking member and having an end extending laterally within said coin passage, means for retarding a coin opposite the end of said stud, whereby the genuineness of the coin is detected by the position of the stud in contact therewith, and the consequent shifting of said locking member to permit the functioning of said bar, and means actuated by said bar for ejecting a coin.

1,640,454. ATTACHMENT FOR HANDLEBARS. ERNST KARL KÜHN, Delhi, Ill. Filed Feb. 19, 1926. Serial No. 89,379. 2 Claims. (Cl. 208—119.)



1. In combination, a steering post, a pair of handle bars connected to the steering post and capable of vertical rotatable movement with respect to the steering post, a cross bar connected to the handle bars, means secured to the cross bar to limit in one direction the vertical movement of the handle bars, a pair of threaded rods associated with said cross bar, a third rod rigidly carried by the steering post and disposed at right angles to said threaded rods, coil springs connecting said threaded rods and the third rod, and spring coils connecting said threaded rods and said third rod, said spring coils being arranged upon the opposite side of said third rod with relation to said coil springs.

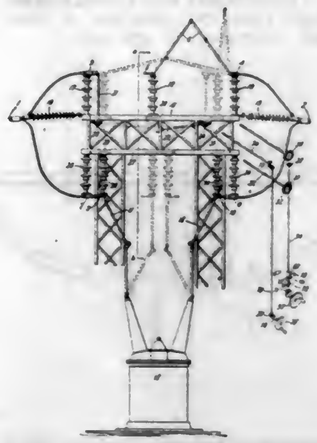
1,640,455. HIGH-TENSION SWITCH. FRANK P. LAWLER, San Francisco, Calif., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1924, Serial No. 725,048. Renewed June 25, 1927. 5 Claims. (Cl. 200—48.)



1. A circuit control mechanism wherein line terminals are arranged to be interconnected through a fixed contact and a movable contact adapted to engage said fixed contact in its closed position and wherein a trackway and a carriage movable along said trackway are provided for moving said movable contact to and fro be-

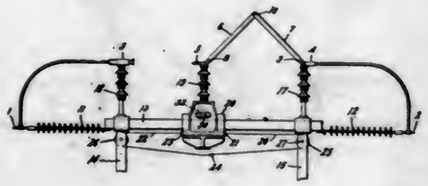
tween its open and closed positions, characterised by the fact that said carriage comprises means suspended from and extending over said trackway to afford a support for said movable contact.

1,640,456. HIGH-TENSION SWITCH. FRANK P. LAWLER, San Francisco, Calif., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1924. Serial No. 725,049. 11 Claims. (Cl. 200—48.)



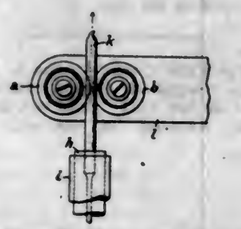
1. In a mechanism for controlling a circuit through a power line, the combination of a trackway comprising a pair of guide members, a plurality of insulators, switch line terminals located at opposite ends of said trackway and supported by said insulators, a grounding switch rotatable between said members to ground one of said terminals, and means comprising a carriage movable along said trackway for interconnecting said terminals when said grounding switch is open.

1,640,457. HIGH-TENSION SWITCH. FRANK P. LAWLER, San Francisco, Calif., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1924, Serial No. 725,050. Renewed June 25, 1927. 5 Claims. (Cl. 200—41.)



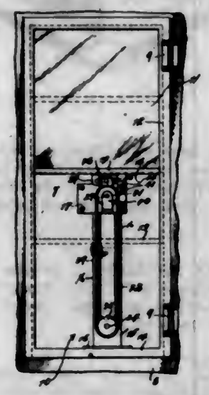
1. A circuit control mechanism wherein a line terminal is connected to a fixed contact and wherein a movable contact operable to open and closed positions is arranged to engage said fixed contact in its closed position, comprising an angle member, and a carriage having a wheel arranged to roll along the corner of said angle member for supporting said movable contact.

1,640,458. APPARATUS FOR UNFITTING TUBING. WILLY LEDIG and HEINRICH ASMUSSEN, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed May 3, 1924, Serial No. 710,926, and in Germany June 7, 1923. 5 Claims. (Cl. 176—2.)



1. In a stem extractor for use in separating the tube and the stem elements of a fitting, a pair of rollers geared together to rotate in opposite directions, said rollers suitably spaced apart whereby the stem projecting from a tube may be gripped by the rollers and extracted from the tube.

1,640,459. WINDOW REGULATOR. NIXON LEE, Brooklyn, N. Y. Filed Jan. 3, 1922. Serial No. 526,701. 3 Claims. (Cl. 268—128.)



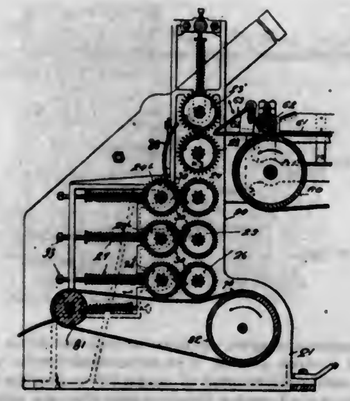
1. In a window-regulator, a movable window-sash, a bracket having a slotted opening secured to said sash, a flexible endless loop carrier to raise and lower the sash, means comprising a block having a laterally extending pivoted roller both mounted above the pitch line of said carrier to engage said bracket opening, and a stop slidable in the plane of said block to maintain said roller in said slotted bracket.

1,640,460. PAVING BLOCK. AUGUST H. LEIPERT, College Point, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 27, 1924. Serial No. 722,648. 5 Claims. (Cl. 94—11.)



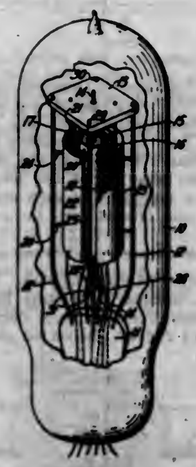
1. A paving block comprising a band of rubber wound in substantially spiral form under tension.

1,640,461. FLAX-CLEANING MACHINE. GEORGE A. LOWAY, New York, N. Y., assignor to Fabricord Incorporated, trustee, New York, N. Y., a Corporation of New York. Filed Oct. 10, 1925. Serial No. 61,631. 6 Claims. (Cl. 19—32.)



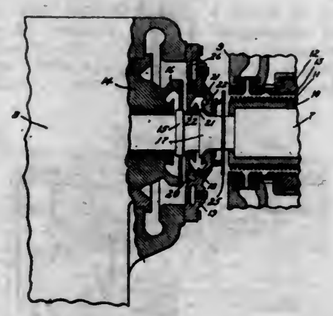
1. In a machine for cleaning flax and similar fibrous plants, the combination of means for feeding the material, a gate through which the material is fed, means for breaking or bending the material and then folding it against said gate, means for advancing the folded material intermittently in unison with the unfolded material to thereby fold more and more of the material for repeated breaking and subsequent folding.

1,640,462. ELECTRON-DISCHARGE DEVICE. ROBERT C. MATHES, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1924. Serial No. 743,903. 7 Claims. (Cl. 250—275.)



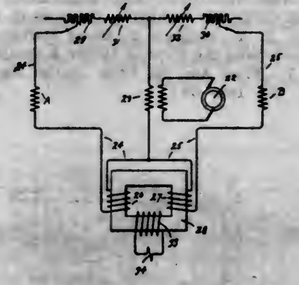
1. An electron discharge device comprising a vessel having a press, a plurality of concentric hollow semi-cylindrical electrodes supported from said press, and shielding means disposed between the ends of two of said electrodes.

1,640,463. PROTECTIVE MEANS FOR TURBINE BEARINGS. EDWARD H. MCFARLAND, Power, W. Va., assignor to General Electric Company, a Corporation of New York. Filed July 12, 1923. Serial No. 651,019. 6 Claims. (Cl. 308—77.)



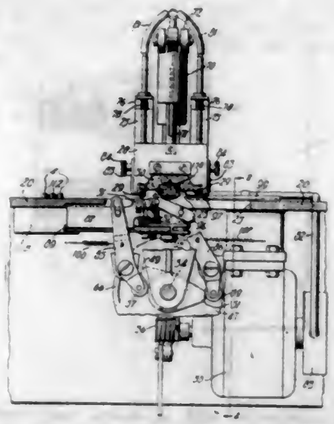
3. The combination with an elastic fluid turbine having a casing and a shaft extending therefrom, of a bearing for the shaft, a pillow block for the bearing axially separated from the casing by an air space, means providing a wall between the pillow block and the casing, said wall being mounted out of contact with the casing, and means for cooling said wall.

1,640,464. ELECTRIC MICROMETER. ALFRED V. MERSHON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 31, 1923. Serial No. 654,942. 2 Claims. (Cl. 177—351.)



1. Apparatus for measuring the amplitude and frequency of a rapidly vibrating body comprising a pair of differentially connected electric circuits, a source of alternating current for simultaneously energising both of said circuits, a coil in one circuit positioned with respect to the vibrating body so as to have its reactance varied by such vibrations, a coil in the other circuit provided with means for manually adjusting its reactance, adjusting impedances in both circuits, a transformer having primary coils connected in opposition and a secondary coil, said primary coils being included in said differentially connected circuits, and an oscillograph recording instrument connected to said secondary coil.

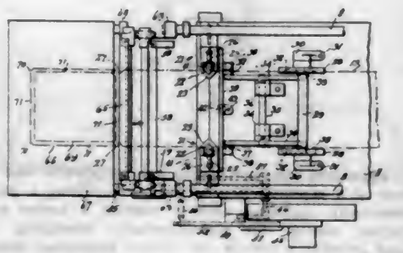
1,640,465. BANDING MACHINE. OTTO MULLER, Richmond Hill, N. Y., assignor of one-half to John G. Kneber, Richmond Hill, N. Y. Filed Jan. 22, 1925. Serial No. 3,924. 14 Claims. (Cl. 131—61.)



1. In a banding machine, means for placing a band and an article to be banded in juxtaposition, a block of soft resilient material and means for pressing said block of resilient material against the middle portion of said band, the adjacent surface of said block being wide enough to extend partially along the sides of said article thereby partially wrapping said band about said article.

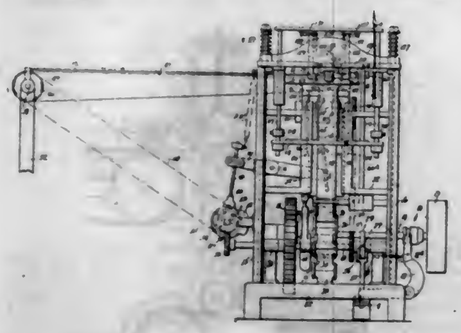
7. In a banding machine, means to partially wrap a band about an article, a movable reservoir, and a roller carried by said reservoir, the path of movement of said roller being such as to cause it to engage an end of said band.

1,640,466. WEB NOTCHING AND BLANKING MECHANISM FOR OUTSIDE COVERS. CHARLES H. OHLSSON, New York, N. Y., assignor to David Hefter and Ray Hefter, comprising the Firm of Hefter & Company, New York, N. Y. Filed Apr. 29, 1926. Serial No. 105,429. 2 Claims. (Cl. 164—50.)



1. In a machine adapted to have a web fed therethrough, a die adapted to cut notches along the edges of said web, operating means for the said notching die, a blank cutting mechanism, and blank cutting mechanism operating means releasably associated with the notching die operating means.

1,640,467. GLUING MACHINE. CHARLES H. OHLSSON, New York, N. Y., assignor to David Hefter and Ray Hefter, comprising the Firm of Hefter & Company, New York, N. Y. Filed Apr. 29, 1926. Serial No. 105,430. 5 Claims. (Cl. 93—54.)



1. A machine adapted to paste a cover to a box, comprising a movable carrier, a plate on said carrier, guideways on said plate adapted to hold a cover between them, automatic box advancing means, paste applying means in the path of travel of said box and means for automatically pasting said cover to the box.

1,640,468. PLASTER-BOARD-FASTENING MEANS. JOHN S. RAYNOR, Philadelphia, Pa. Original application filed May 12, 1926, Serial No. 108,478. Divided and this application filed Aug. 24, 1926. Serial No. 131,239. 4 Claims. (Cl. 72—46.)



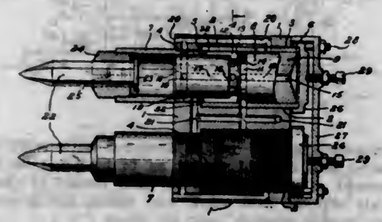
1. The herein described combination of a support; a sheet of stiff material lying against said support and having apertures therethrough at each side of the support; a clip including a body to span the space between the two apertures; a U shaped leg at one end of said body; an L shaped leg at the other end of said body, said legs projecting in opposite directions to each other and passing through separate ones of said holes for coaction with the support.

1,640,469. LEADING-IN CONDUCTOR. VICTOR L. RONCI, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1923. Serial No. 636,078. 1 Claim. (Cl. 176—126.)
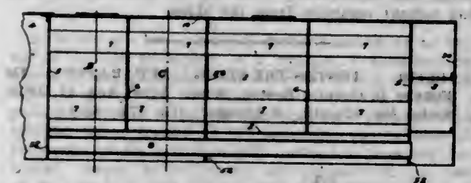


The method of making a leading in conductor comprising a copper wire passing through a copper disc which consists in joining the wire to the disc by an alloy of copper and silver the melting point of which is substantially the same as that of pure silver, the proportions of copper and silver being such that the addition thereto of copper from said wire and disc during the soldering operation will raise the melting temperature of the solder above that of silver.

1,640,470. PNEUMATIC TOOL. CHARLES SAULIA, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,727. 3 Claims. (Cl. 121—15.)



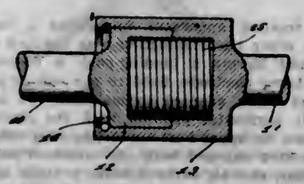
1. In a pneumatic tool, a frame element having a plurality of parallel passages from face to face, a hammer reciprocating in each passage independently of the others, a separate tool arranged to be struck by each hammer, a cap closing each passage at the end opposite the tool, a member carried by the element and extending over all the caps, and individual means acting between each cap and said member for taking up the thrust on the caps endwise of the passages.

1,640,471. TANK. EARL B. STALEY, Seattle, Wash. Filed June 2, 1926. Serial No. 113,317. 7 Claims. (Cl. 220—71.)



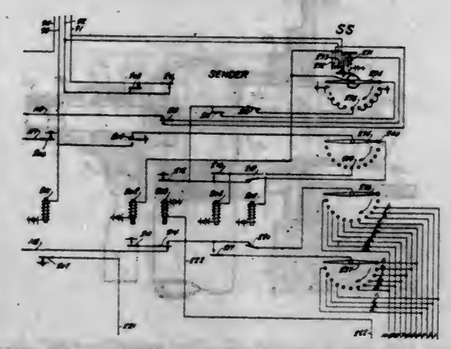
1. A tank body having end and transverse partition plates extending well below the tank bottom to form bolsters, and a stiffening beam extending lengthwise of and beneath the tank body towards each side thereof and through the intermediate bolsters, said beams being integrally secured to all of said bolsters to form a structural reinforcement for the tank.

1,640,472. FRICTION CLUTCH. WILLIAM CARLETON STARKEY, Indianapolis, Ind., assignor to L. G. S. Devices Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 12, 1925. Serial No. 74,957. 7 Claims. (Cl. 192—41.)



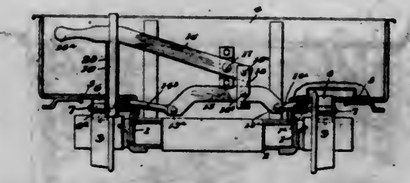
1. In combination, two relatively rotatable parts, an axial circular recess in one of said parts, a helical spring located in said recess and operatively engaged with the other of said parts so that said spring will expand and clutch said two parts together when they tend to rotate relatively in a direction to unwind said spring, the wire from which said spring is wound being strained transversely of itself and longitudinally of the spring so that adjacent turns of said spring will be forced together.

1,640,473. IMPULSE SENDER. RUDOLPH F. STEHLIK, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 9, 1924, Serial No. 718,683. Renewed Dec. 29, 1926. 19 Claims. (Cl. 179—18.)



1. In an impulse sender, contacts for transmitting impulses, a counting switch for counting the impulses as they are transmitted, a stop relay controlled by said counting switch to terminate a series of impulses, two stop wipers for said counting switch for controlling said stop relay, two normal positions for said counting switch, means for starting said switch from either of the two normal positions, and means for connecting up one or the other of said wipers selectively, depending upon which normal position the switch is started from.

1,640,474. BRAKE FOR MINE CARS AND OTHER VEHICLES. AUDLEY HART STOW, Charleston, W. Va., assignor to Edith S. White, Caldwell, N. J. Filed Jan. 24, 1923. Serial No. 614,651. 8 Claims. (Cl. 188—204.)

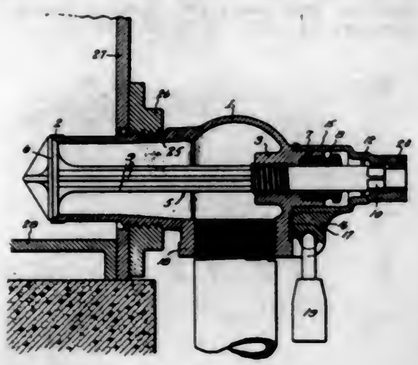


1. In a car structure, a body having walls and a bottom, an approximately horisontal hand lever, together with an equaliser member including unequal lever arms.

1,640,475. FROSTPROOF DRAIN VALVE. AUSTIN L WERTZ, Lakewood, Ohio, assignor of one-half to Mortimer C. Rosenfeld, Cleveland, Ohio. Filed Dec. 28, 1925. Serial No. 77,067. 1 Claim. (Cl. 251—6.)

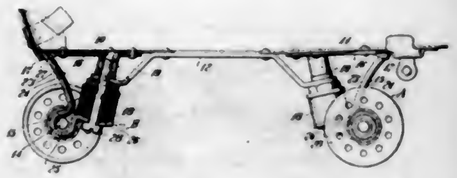
A valve of the character set forth comprising a relatively long casing having a through passageway that opens at its outer end through a side of the casing, the inner end of the casing being formed to provide a valve seat while its outer end is provided with a boss that

is in substantially axial alignment with the valve seat, the boss having a bore the inner portion of which is threaded while the outer portion is enlarged to provide a packing gland cavity, a compression member operating within said cavity, a valve stem extending axially through the casing and through the bore of said boss and having threads for cooperation with the threads of said bore, the outer end of said stem being designed for the application of an operating device, a valve body carried by the inner end of the stem for cooperation with



the valve seat, a shroud removably fitted over the outer end of the aforesaid boss and enclosing the protruding end of the valve stem, said shroud being reversible and being designed, when in reversed position, to be applied to the outer end of the valve stem for rotating it, the shroud and casing having parts adapted to be brought into register for the application of a lock, the casing incorporating means remote from its inner end for attaching it to the wall of a container so that the valve seat will be spaced a material distance inwardly of said wall, as and for the purpose specified.

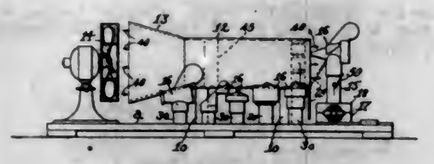
1,640,476. ROLLER SKATE. HENRY F. WHITCOMB, Jr., Milwaukee, Wis., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 6, 1926. Serial No. 146,642. 6 Claims. (Cl. 208—179.)



1. A roller skate roller axle carrier consisting of a sheet metal element, one end of which has a curved configuration in cross section with the lateral edges of the element converging to provide a rounded stud for engagement with a socket member of the skate.

1,640,477. TESTING APPARATUS FOR VENTILATORS. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 1, 1924. Serial No. 741,092. 3 Claims. (Cl. 73—51.)

1. In a ventilator testing apparatus, in combination, a portable base, an air tunnel mounted on said base, means mounted on said base and co-operating with said tunnel to pass a current of air therethrough, an air stack co-operating with the outlet end of said tunnel, means for mounting said air stack on the base, said air stack being adapted to have a ventilator to be tested detach-

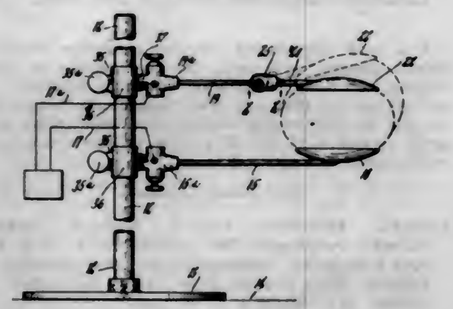


ably mounted thereon and so arranged with relation to the outlet end of said tunnel as to be acted upon by the current of air passing from said tunnel to thereby draw air through said stack, and means for measuring the air drawn through said air stack.

1,640,478. METHOD OF DEGREASING SKINS. CHARLES A. BROWN, Salem, and GUSTAVUS J. ESSELEN, Jr., Swampscott, Mass., assignors to Manufacturing Improvement Corporation, Boston, Mass., a Corporation of Massachusetts. Filed July 25, 1924. Serial No. 728,117. 3 Claims. (Cl. 87—6.)

1. The method of degreasing sheep skins prior to tanning, which consists in uniformly penetrating the skins and dissolving the contained greases with an aqueous emulsion of an inflammable hydrocarbon grease solvent insoluble in water and sufficiently free from high boiling fractions to avoid leaving objectionable odors in the skins, and subsequently removing the liquid grease bearing solvent emulsion from the skins.

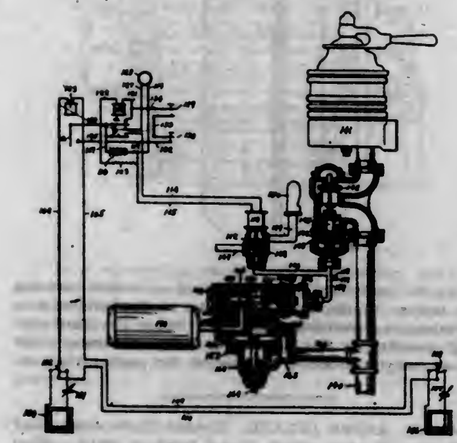
1,640,479. TESTES-TREATING APPARATUS. DE FOREST B. CATLIN, Boston, Mass. Filed Aug. 11, 1926. Serial No. 128,612. 5 Claims. (Cl. 174—89.)



1. Testes-treating apparatus comprising a supporting standard, a lower heat-conducting arm engaged with the standard, and having a binding-post, a dished testes-supporting lower electrode, fixed to one end of said arm, the standard being adapted to maintain the arm in a substantially horizontal position with the electrode under the testes, an upper heat-conducting arm composed of an inner section engaged with the standard and having a binding-post, and an outer section, a hinge connecting the sections, and a dished upper electrode, fixed to the outer section and adapted to bear on testes supported by the lower electrode, the hinge being arranged to permit

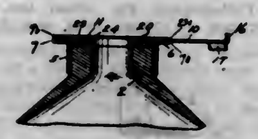
a swinging movement of the upper electrode from the lower electrode, to compensate for an increase in the diameter of the testes, the heat-conducting arms being insulated from each other.

1,640,480. AIR-BRAKE-CONTROL DEVICE. THOMAS E. CLARK and CHARLES B. STONE, Detroit, Mich., assignors to Continuous Train Control Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 24, 1925. Serial No. 39,214. 7 Claims. (Cl. 303—18.)



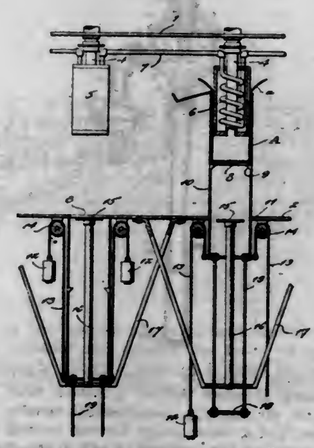
2. In an air brake control device adapted to be connected to the train-pipe of a vehicle, a cylinder connected to the train-pipe and a piston in said cylinder, a valve connected to the piston and normally closing a passage adapted to relieve the train-pipe pressure, said cylinder being formed to provide equal air pressure in both sides of the piston, a slide valve and passages controlled thereby to relieve the air pressure on one side of the piston to that the pressure on the other side may move the piston to cause the valve connecter thereto to open a passage to relieve the train-pipe pressure, and an electro-pneumatic valve to control said slide valve.

1,640,481. CLOSURE FOR TUBES OR THE LIKE. FREDERIC C. COLLINS, Akron, Ohio. Filed Aug. 5, 1926. Serial No. 127,244. 13 Claims. (Cl. 221—60.)



1. A container having a screw-threaded nozzle thereon, an apertured cap in screw threaded engagement therewith, an apertured gasket lying over the nozzle, a slidable cut-off on the gasket, and an apertured top over the cap, the gasket being compressed against the slide by screwing the cap upon the nozzle.

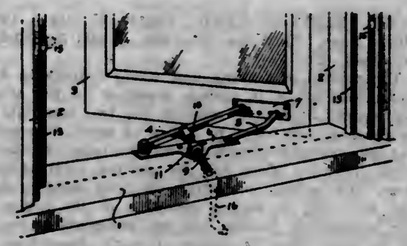
1,640,482. ATTACHMENT FOR FILLING MACHINES. HENRY M. CRUMBAUGH and HOWARD M. WILSON, Sr., Columbus, Ohio. Filed Dec. 11, 1925. Serial No. 74,811. 6 Claims. (Cl. 226—19.)



1. In combination with the discharge pipe of a pressure filling apparatus, a package receiving form on the pipe, yieldable means for holding the package on the form, and means for heating the form.

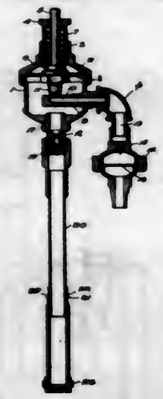
6. In combination with the discharge pipe of a pressure filling apparatus, a package receiving form on said pipe, a vertically movable casing for enclosing the package, projections in the casing, a bottom resting on the projections, a post passing through the bottom of the casing, a support thereon for the bottom, weighted means for holding the casing in its raised position, a pedal connected with the bottom of the casing for enabling it to be lowered, a latch for holding the casing in its lowered position and means for heating the form.

1,640,483. CASEMENT-WINDOW MOUNTING. EARLE W. CUMMINGS, Santa Barbara, Calif. Filed Aug. 23, 1926. Serial No. 130,895. 4 Claims. (Cl. 268—120.)



1. A mounting for a swinging window of the character described comprising a pair of spaced levers at each of opposite aligned points of the sash adjacent the edge of same, each pair of levers being pivoted to the sash at one end of the levers and to the window frame at the opposite end and with similar pivotal points of both pairs of levers in alignment, and means operative on one of the levers for positively forcing same to swing, for swinging the sash.

1,640,484. VAPORIZING APPARATUS. GEORGE W. D'ARCY, Boston, Mass. Filed Mar. 31, 1923. Serial No. 629,208. 5 Claims. (Cl. 299—86.)



1. Vaporizing apparatus comprising a controller having a mixing chamber therein, a water inlet, a valve therefor, an air inlet, a compression member for the water valve, and a vapor gauge for and leading from the mixing chamber of the controller; and a vaporizing head connected thereto.

1,640,485. BLAST-FURNACE METHOD. FRANK W. DAVIS, Milford, Del., assignor to Samuel G. Allen, trustee. Filed Oct. 4, 1924. Serial No. 741,604. 3 Claims. (Cl. 75—14.)

1. In the smelting of iron in the blast furnace, the increase of the high temperature heat in the smelting zone by the introduction of an additional supporter of combustion with the blast, and the introduction of a reducing material to the shaft at the lower end thereof.

1,640,486. REFINING LEAD. PHILIP W. DAVIS, Cambridge, Mass. Filed Jan. 11, 1926. Serial No. 80,671. 2 Claims. (Cl. 75—15.)

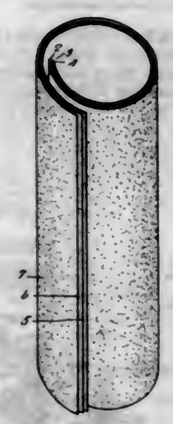
1. The method of refining lead which consists in exposing lead alloys in molten condition to the action of litharge by causing the two materials to be exposed to each other in bodies of small dimensions and at temperatures between the melting point of litharge carrying the alloy metal and the melting point of pure litharge (approximately 883° C.).

1,640,487. REFINING LEAD. PHILIP W. DAVIS, Cambridge, Mass. Filed Jan. 11, 1926. Serial No. 80,672. 3 Claims. (Cl. 75—15.)

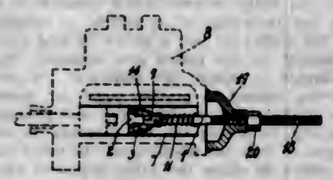
1. The method of refining lead which consists in first exposing lead alloys in molten condition to the action of pulverulent litharge by causing the two materials to be exposed to each other in bodies of small dimensions and at temperatures between the melting point of litharge carrying the alloy metal and the melting point of pure litharge, and second, subjecting the lead alloy product of the first step in molten condition to the action of molten litharge by causing the two materials to be exposed to each other in bodies of small dimensions at temperatures above the melting point of pure litharge.

1,640,488. DRY CELL AND LINING FOR SAME. CYRIL P. DEIBEL and WALTER G. WAITT, Lakewood, Ohio, assignors to General Dry Batteries, Incorporated, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 19, 1926. Serial No. 149,299. 9 Claims. (Cl. 136—131.)

1. A dry cell of the character described comprising a cup, a lining for said cup comprising a plurality of sheets of paper disposed within said cup with their ends overlapping, the outer sides of said sheets of paper being coated with paste, whereby a layer of paste is provided between the cup and the outer sheet of paper and between the individual sheets of paper, a washer covering the bottom of the cup, a quantity of depolarizing mix containing an electrode compressed within the lined cup, said quantity of mix and lining being permeated with an electrolytic solution, and means for sealing the cup.



1,640,489. LINER PULLER. ROBERT W. DONOWHO and HARVEY M. BALLWEBER, Home Gardens, Calif. Filed June 14, 1926. Serial No. 115,847. 4 Claims. (Cl. 29—88.2.)



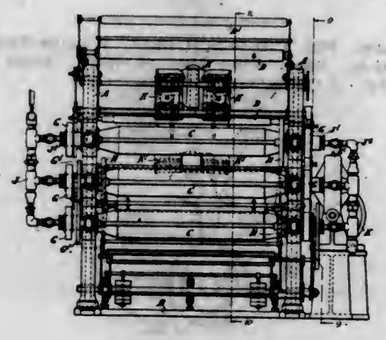
1. A liner puller comprising a post, a plurality of shoe segments slidably mounted on said post, and cam means on said post adapted to be engaged by the segments to expand said segments and a slip slidably mounted on each of said shoe segments, said slips being adapted to engage the liner.

1,640,490. FINGER ATTACHMENT. MATHEW DOVIDAITIS, Philadelphia, Pa. Filed Dec. 28, 1926. Serial No. 157,563. 3 Claims. (Cl. 294—25.)



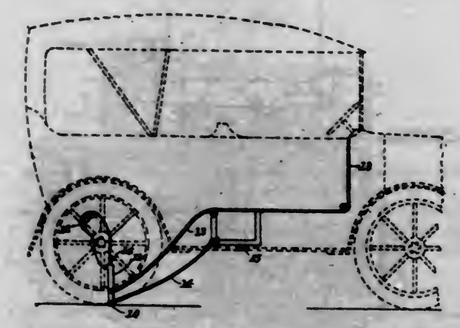
1. A finger attachment comprising a metal sleeve having a beveled outer end and adapted to be placed upon a user's finger, and a pick secured to the longer side of the sleeve with its prong projecting substantially at right angles to the wall of the sleeve on which it is mounted.

1,640,491. CALENDERING OR IRONING MACHINE. BERTRAM JOSEPH DYKES, Gleadless, near Sheffield, England. Filed Dec. 5, 1923, Serial No. 678,716, and in Great Britain Dec. 12, 1922. 2 Claims. (Cl. 26—39.)



1. In a calendering machine, in combination, pairs of superimposed calendering cylinders, housings, bearings on said housings for said cylinders, expandible gauges arranged one above the other, adjustable carriages carrying the uppermost gauge, and positively driven guide rollers on the carriage for the purpose substantially as herein described.

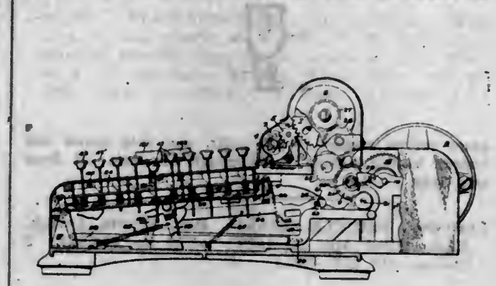
1,640,492. EMERGENCY BRAKE. HARRY EVERETT, Casper, Wyo. Filed Nov. 7, 1922, Serial No. 599,545. Renewed Jan. 21, 1927. 4 Claims. (Cl. 188—5.)



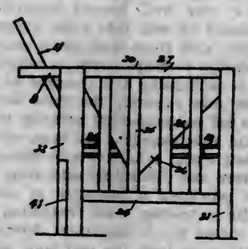
1. In a device of the character described, a contact member approximately the length of the distance between the wheels of a vehicle and pivoted upon the axle of a vehicle, a counterbalance on the other side of the axle partially counterbalancing the weight of the contact member, manually movable means governing the position of the member, and other means preventing the movement of the contact member to a position directly beneath the axle.

1,640,493. CALCULATING MACHINE. CARL M. F. FRIDEN, Oakland, Calif. Filed Oct. 25, 1926. Serial No. 143,858. 20 Claims. (Cl. 235—82.)

1. In a calculating machine, numeral wheels, a reversible rotary actuator therefor, means for introducing one factor of the calculation into the actuator, keys for introducing the second factor into the machine, a motor for rotating the actuator and means operated by the depression of a key for causing the motor to rotate the actuator in the desired direction and means correlated with the actuator for causing the motor to rotate the actuator for the duration required to effect the calculation represented by the value of the depressed key.



1,640,494. ADJUSTABLE CHAIR. PHILIP BERNARD FRIEDMAN, Winnipeg, Manitoba, Canada. Filed Oct. 20, 1924, Serial No. 744,819, and in Canada June 17, 1924. 3 Claims. (Cl. 155—45.)



2. A chair equipped with side frames having front and rear supporting posts and side arms extending between the supporting posts of each side frame, table leaves having edge portions thereof hinged to the lower edge portions of said side arms and adapted to normally lie flat against the side frames in depending relation to the side arms, a pair of auxiliary side gates having front and rear supporting posts, the rear supporting post of each side gate being hinged to the front supporting post of one of said side frames by means permitting the side gate to swing rearwardly to lie flat against the side frame or to swing forwardly into a position of alignment with the side frame, each of said side gates being equipped with a hook engageable with an eyelet carried by one of said table leaves to support the latter in horizontal position when the side gate is disposed in a predetermined angular position with reference to the side frame.

1,640,495. OIL CUP. FREDERICK M. FURBER, Revere, Mass.; Samuel R. Cutler administrator of said Frederick M. Furber, deceased. Filed Nov. 28, 1923. Serial No. 677,390. 2 Claims. (Cl. 184—94.)

1. An oil cup comprising a cup-shaped body having a hemispherical end, a shank secured to said end, and a tongue projecting from said shank and fitting in a slot

formed in said end of the body, said shank having faces at opposite sides of said tongue fitting snugly against the



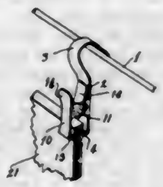
outer curved surface of the body, and said shank and tongue having a hole therethrough to drain oil from said body.

1,640,496. VEHICLE SIGNAL. EARL GONDER, Detroit, Mich. Filed Apr. 17, 1922. Serial No. 553,874. 2 Claims. (Cl. 177—329.)



2. The vehicle signal casing comprising curved side walls, having a rear wall formed integral thereof; a front wall mounted on said side walls adapted for overlapping the same, said front wall being provided with a plurality of openings formed therein; a plurality of partitions mounted in said casing and arranged to form a yoke, the tree of said yoke engaging the inner surface of said side walls at its end and projecting inwardly therefrom, and the arms of said yoke engaging the inner surface of said side wall at their ends; a horizontally disposed partition positioned between and connecting said arms intermediate their ends for providing a plurality of compartments; and a vertically extending wall separating all of said compartments except the compartment determined by the free ends of said arms from the rear wall, said rear wall having an opening formed therein in registration with said compartment.

1,640,497. MAGAZINE CLIP. WILLIAM HALKET and WALLACE L. VAN VALKENBURG, Holyoke, Mass. Filed Mar. 26, 1925. Serial No. 18,399½. 2 Claims. (Cl. 24—84.)



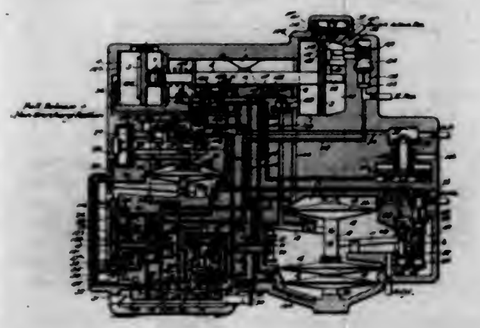
1. An article holding clip comprising in combination, an upper and lower plate member, each having integral upturned jaw portions, which engage, each member having integral oppositely extending ears with openings therein, which register with each other, a spring located between the plate members and having extensions on its opposite edges which extensions are located in the registering openings of the ears of the said members to pivotally connect the members together, the ears of the upper member being substantially longer than these of the lower member and the pivot openings in the ears of the upper member being located a greater distance from its plate than are the pivot openings of the lower member, whereby when the upper member is operated the jaws will be widely separated.

1,640,498. PEN AND PENCIL CLIP. WILLIAM HALKET, Holyoke, Mass. Filed Mar. 26, 1925. Serial No. 18,647. 3 Claims. (Cl. 24—11.)



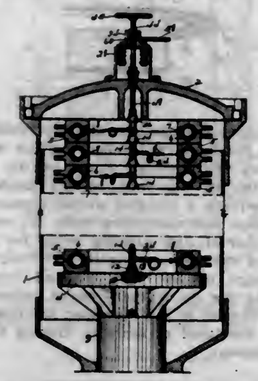
1. An article holding clip consisting of a gripping bar having an article holding element on one end thereof and a button back which is integral with the gripping bar at the other end thereof and means on the back of the button back to engage the article being gripped by the holding element.

1,640,499. AIR-BRAKE APPARATUS. MAURICE E. HAMILTON, La Fayette, and RAYMOND R. HOPKINS, West La Fayette, Ind., assignors to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 7, 1926. Serial No. 139,989. 43 Claims. (Cl. 303—27.)



1. A control valve for air brake apparatus comprising a service valve subject to brake pipe, brake cylinder and emergency reservoir pressures and operating upon a reduction of brake pipe pressure to place a source of braking pressure in communication with the brake cylinder for a service application of the brakes, the brake cylinder pressure assisting the brake pipe pressure in moving the service valve to lap position, a slide valve, and means operating upon an emergency reduction of brake pipe pressure to move the slide valve to emergency position and to connect an emergency reservoir to the slide valve chamber, said slide valve in emergency position opening an emergency port to admit the emergency reservoir air to the brake cylinder for an emergency application of the brakes.

1,640,500. VULCANIZING APPARATUS. RAYMOND HANSEN, Cudahy, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 28, 1924, Serial No. 716,426. Renewed Feb. 16, 1927. 13 Claims. (Cl. 18—17.)



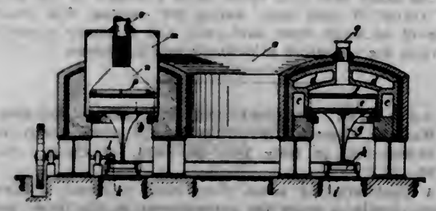
1. The combination with a vulcanizing press of a sectional manifold comprising a series of loosely assembled sections and means, associated with one of the press members, adapted to force the sections into fluid tight relation, said means being operable independently of the action of the press members.

1,640,501. COAT LINING. DAVID H. HODES, New York, N. Y. Filed Apr. 22, 1924. Serial No. 708,220. 6 Claims. (Cl. 2—97.)



4. An outer garment comprising, in combination with the outer fabric ply thereof, a lining consisting of a coarsely woven foraminous fabric foundation permanently secured within the garment and to the outer fabric ply thereof, the said lining foundation being foraminous and freely pervious to air and having a nap surface.

1,640,502. DISTILLATION AND COKING OF CARBONACEOUS MATERIALS. LUDWIG HONIGMANN, Bichlerhof, Bad Tolz, and FRIEDRICH BARTLING, Munich, Germany. Filed Jan. 7, 1927, Serial No. 159,700, and in Germany Nov. 26, 1925. 4 Claims. (Cl. 202—8.)



1. In the process of distilling and coking solid carbonaceous material on annular revolving hearths, the steps which comprise maintaining a layer of such material on the hearth in a thickness less than one centimeter and subjecting the material to a coking heat until coked.

1,640,503. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 30, 1922. Serial No. 597,748. 13 Claims. (Cl. 250—27.5.)



1. In an electron discharge device, an electrode comprising a frame member, a wire helix, and a pair of wires alternately passing over the turns of said helix and being fastened to each other behind said frame member.

1,640,504. GROUND ANCHOR. MARK ISAACS, Minneapolis, Minn. Filed Feb. 19, 1926, Serial No. 89,492, and in Canada Dec. 18, 1925. 5 Claims. (Cl. 189—92.)

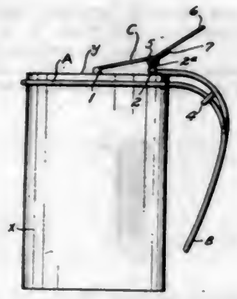


1. A ground anchor comprising a pipe adapted to be driven into the ground, a rod extending lengthwise through the pipe, a head secured to the lower end of the rod and designed to pass through the pipe, said head being substantially rectangular and having vertical slots in the sides thereof, pendent fingers crossing the slots of the head and fitted at their upper ends with inturned angularly slotted lugs, pins passing through the slots of the fingers and into the head and slidably attaching the fingers to the head, said fingers being lengthwise bowed and having their lower ends pointed whereby in the down driving of the rod the fingers will straighten out in the soil at the end of the pipe bending at the bases of the lugs and will take a radial position overlying the corners of the head.

1,640,505. CAN-PUNCTURING DEVICE. JOSEPH A. KRAUS, St. Louis, Mo. Filed Mar. 25, 1926. Serial No. 97,296. 3 Claims. (Cl. 220—51.)

1. A puncturing device for sealed cans, comprising a ring-shaped member and a handle formed from a piece of wire, one terminal portion of which is bent so as to form a horizontally-disposed trunnion and the other terminal portion of which is bent so as to form a depending portion at one end of said ring-shaped member that is arranged in opposed relation to one side piece of said handle, a link that embraces said depending portion and

handle side pieces and which is adapted to be adjusted to expand or contract said ring-shaped member, and a puncturing member rockably mounted on said trunnion



portion and provided with prongs or sharp-pointed projections for forming an air hole and a pouring hole in the can head.

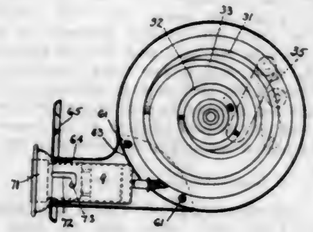
1,640,506. ANTISPASMODIC. FRIEDRICH LEUCHS, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Filed Dec. 16, 1925, Serial No. 75,872, and in Germany Mar. 24, 1925. 2 Claims. (Cl. 260—106.)

2. The herein described para-methyl-benzyl-urethane having most probably the formula



which crystallizes from water in needles melting at 122–123° C. soluble in alcohol and hot water, soluble with difficulty in ether and cold water, and being a valuable antispasmodic.

1,640,507. COMBINED TROUBLE LIGHT AND CIGAR LIGHTER. HOWARD C. LIEBING, Cleveland, Ohio, assignor, by mesne assignments, to The Cuno Engineering Corporation, Meriden, Conn., a Corporation of Connecticut. Filed Nov. 20, 1924. Serial No. 751,033. 14 Claims. (Cl. 200—153.)



1. In an article of the character described, the combination of a reel, a flexible cable carried by said reel, a spring for recoiling said reel, a switch separate from said reel, means associated with said switch for moving the same into and out of contact in accordance with the direction of motion of such reel, and means for rendering said recoiling spring inactive.

1,640,508. STOPPER OR CLOSURE FOR CONTAINERS. FREDERICK LOBL, Middleboro, Mass. Filed July 9, 1926. Serial No. 121,418. 6 Claims. (Cl. 150—8.)



1. In a stopper for containers comprising a circular cover-plate, a hollow threaded body-portion with an outwardly flaring, easily flexed flange at its upper edge, the outer peripheral edge only of said flange contacting with the cover-plate, a yielding washer-element encircling the body portion and contacting with the under surface of the flange thereof, and securing means for permanently clamping all of the elements together at their outer edges with the flange of the body portion constituting a flexible backing for the washer-element, whereby a tightening of the stopper in the container deforms the flexible flange and a continual pressure is exerted thereby upon the washer element.

1,640,509. FUEL-PUMPING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. EDWARD L. LOWE, Palo Alto, Calif., assignor to J. W. Clune Co., Los Angeles, Calif., a Corporation of California. Filed Nov. 30, 1926. Serial No. 151,637. 7 Claims. (Cl. 103—38.)

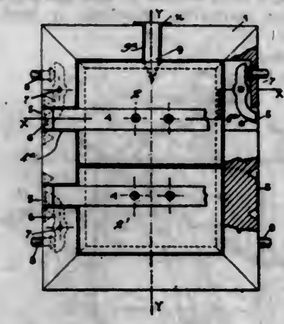


1. In an apparatus of the character stated, a plunger housing, a plunger operable therein, a cam, a cam shaft therefor, a rocker arm arranged in said housing and having a roller at one end and means above said roller contacting with the bottom of said plunger, and a finger at its other end, said roller being arranged in the path of travel of said cam, means for moving said finger toward or away from said cam, and manually operable devices for operating said finger moving means.

1,640,510. PHOTO-PRINTING PRESS. GIUSEPPE MARCONI, Genoa, Italy. Filed Feb. 21, 1925, Serial No. 10,808, and in Italy Dec. 20, 1924. 1 Claim. (Cl. 95—77.)

A photo-printing press, comprising a frame, a glass pane therein, a cover for arrangement in the frame and on the said pane and comprising a pair of hingedly connected members, one of said members being provided with

a cross sectional V-shaped elastic stop, projecting from the free side thereof, said frame being provided in one side with a slot to receive said stop and so arranged that



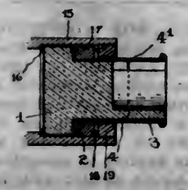
the sides of said slot may be frictionally engaged by said stop, and detachable means to press said cover against said pane.

1,640,511. LUBRICATING-OIL CAN. GEORGE MERZ, Fergus Falls, Minn. Filed Feb. 15, 1927. Serial No. 168,400. 4 Claims. (Cl. 221—52.)



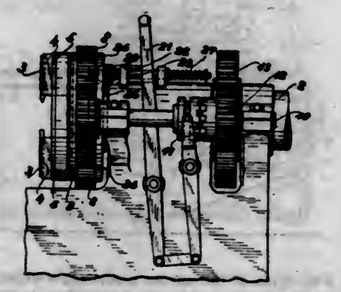
1. An oil can including a can proper, a nozzle pipe connected therewith and serving as a handle, a spring actuated valve within the nozzle, a handle grip pivoted to the nozzle pipe for shifting the valve from its seat against the action of a spring, and having an end portion disposed approximately parallel with the nozzle pipe, and means for pumping air into the upper end of the oil can.

1,640,512. LOCOMOTIVE-LUBRICATOR SIGHT. WILLIAM FRANCIS MITCHELL, Passaic, N. J. Filed July 14, 1925. Serial No. 43,441. 3 Claims. (Cl. 240—2.)



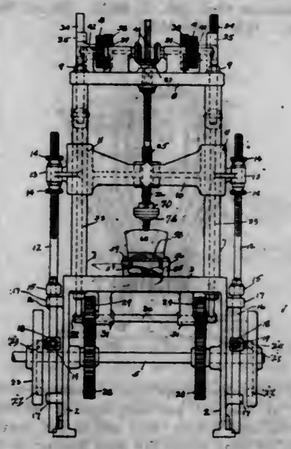
1. In a locomotive lubricator the combination of a casing, a window mounted in said casing, a U-shaped extension at right angles to the plane of said window and integral therewith, a separable two part sleeve supported by said extension, and an illuminating device supported by said two part sleeve.

1,640,513. CUTTING AND WORK-TREATING MACHINE. WILHELM MÖBUS, Dusseldorf, Germany. Filed Feb. 14, 1925, Serial No. 9,239, and in Germany Feb. 15, 1924. 12 Claims. (Cl. 164—60.)



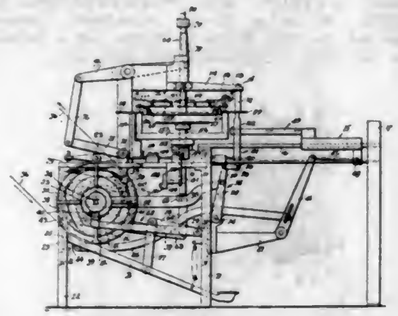
1. In a cutting tool, the combination with a cutting head and tools radially operated thereby, of gearing for advancing the tools, coupling means in operative connection with the said gearing, and adapted to cause the engagement and disengagement thereof with the tools, and means for withdrawing the tools connected to the cutting head, and adapted for operation by said coupling means.

1,640,514. PRESS FOR FORMING PLASTIC MATERIALS. FERDINAND C. H. MÜLLER, Findlay, Ohio, assignor to The Findlay Electric Porcelain Company, Findlay, Ohio, a Corporation of Ohio. Filed May 1, 1924. Serial No. 710,232. 7 Claims. (Cl. 25—3.)



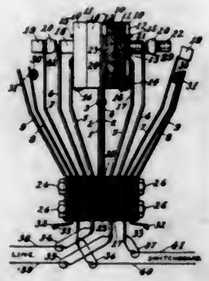
1. In a die pressing machine, the combination of a base having a mold table, vertical guideways with a platform at the top, a reciprocable cross-head mounted in said guideways, a die carrying spindle slidably mounted through said platform and passing through said cross-head and having threaded engagement therewith, a main driving shaft in said base, positive driving connections between said main shaft and said cross-head for reciprocating the latter, and other positive driving means connecting said main shaft and said spindle for rotating the latter.

1,640,515. MACHINE FOR FOLDING COVER EDGES. CHARLES H. OHLSSON, New York, N. Y., assignor to David Hefter and Ray Hefter, New York, N. Y., composing the Firm of Hefter & Company. Filed Mar. 15, 1926. Serial No. 94,652. 24 Claims. (Cl. 154—41.)



2. In a machine of the nature described, a slide, a blank holder associated with said slide adapted to hold a blank with projecting flaps thereon, means for operating the slide and holder in a forward direction, a carrier, comprising a lower table plunger adapted to be moved into a plane even with the lower surface of the blank, an upper table plunger adapted to be lowered to a plane even with the upper surface of the blank to grip the blank between said plunger tables when the blank holder is in forward position, means for moving the blank between the upper and lower table plungers to a position for folding some of the said flaps and means for returning the holder to normal position.

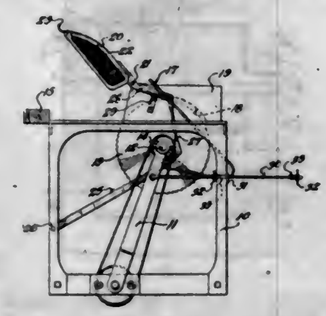
1,640,516. ELECTRICAL PROTECTIVE APPARATUS. FREDERICK R. PARKER, Chicago, Ill. Original application filed June 1, 1915, Serial No. 31,487. Divided and this application filed Feb. 3, 1922. Serial No. 533,739. 21 Claims. (Cl. 200—115.)



1. A heat-cartridge comprising a resistance heater and a plurality of thermal portions one of which is under control of the said heater, and means for preventing the free passage of heat from the said heater to another of the said thermal portions.

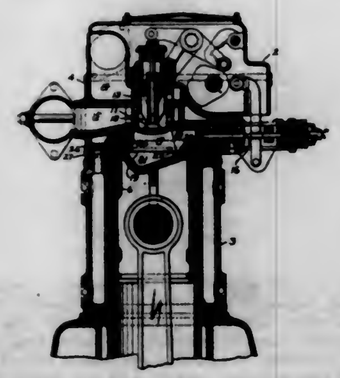
1,640,517. SAW GUARD. GEORGE J. PROCKNOW, Oshkosh, Wis., assignor to Paine Lumber Company, Ltd., Oshkosh, Wis., a Corporation of Wisconsin. Filed Apr. 17, 1924. Serial No. 707,148. 1 Claim. (Cl. 143—159.)

The combination with a saw table and a swinging saw frame having a saw rotatably mounted thereon, a stationary saw guard mounted on said table and enclosing the saw in its retracted position, a movable saw guard pivotally mounted at the forward end of said stationary saw guard and therewith forming an enclosure for the swinging saw, a lever secured to said movable saw guard and extending rearwardly therefrom, a lever pivotally



mounted at the forward portion of said table and extending rearwardly and upwardly therefrom, and a link connecting the free ends of said levers, said last-named lever being adapted to be depressed by said saw frame on its rearward movement to lift said movable saw guard away from the work.

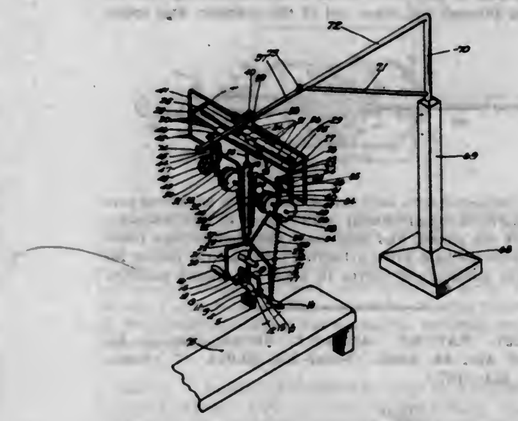
1,640,518. INTERNAL-COMBUSTION ENGINE. CARL G. A. ROSÉN, San Francisco, Calif. Filed Feb. 14, 1924. Serial No. 692,750. 6 Claims. (Cl. 123—33.)



1. In an internal combustion engine, a cylinder, and a piston reciprocating therein and having at the head end thereof a conoidal depression whose axis forms an acute angle with the axis of the cylinder and whose base opening is symmetrically disposed about the axis of the cylinder.

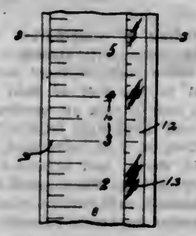
1,640,519. DEVICE FOR ADJUSTING THE SPINE. LEON SCHAEFFER, Sulphur, Okla. Filed Nov. 3, 1925. Serial No. 66,459. 2 Claims. (Cl. 128—69.)

1. In combination with an instrument, as described, of a substantial supporting platform and bracing arms thereover, supporting a carriage rail, an operable carriage thereon, a plurality of weights and weight-supporting members adjustably working in connection with said carriage, a two-way handle member with intermediate bent connecting rods, said instrument, as described, adjustably securely connecting said intermediate rods, an axial rod connecting said weight members by bifurcated arms with said two-way handle member, means for adjustably lowering and raising said weights, weight members, axial rod, bifurcated arms, handle member, and said instrument as



described; and means for adjustably removing the whole from a position over the patient's body to its normal position.

1,640,520. WEIGHT-REGISTERING GAUGE FOR WEIGHING SCALES. MORRIS SCHERR, Baltimore, Md. Filed May 15, 1926. Serial No. 109,316. 3 Claims. (Cl. 265—39.)



1. In combination with a weighing scale and its mechanism, of a weight registering member comprising a body having depicted thereon graduation marks and characters, and a reflecting member carried by said body and having corresponding marks and characters thereon.

1,640,521. BOX CONNECTER. FRANK T. WHEELER, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Dec. 5, 1921. Serial No. 519,808. 3 Claims. (Cl. 247—1.)



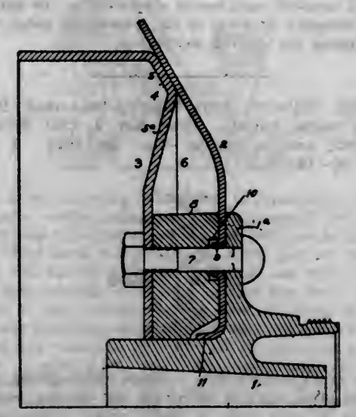
1. An electric box connecter comprising a U-shaped sheet-metal member having positioning lugs formed by cutting the opposite ends of said member and bending portions outwardly and leaving flangeless portions projecting endwise beyond the lugs, and a relatively narrow cover hinged to one edge of said member and adapted to detachably engage the other edge and having laterally extending lugs adapted to be engaged by a cooperating switch box cover.

1,640,522. HANDLE FOR HAND BAGS AND THE LIKE. MORRIS WHITE, New York, and DANIEL I. REITER, Brooklyn, N. Y.; said Reiter assignor to said White. Filed Nov. 24, 1926. Serial No. 150,579. 5 Claims. (Cl. 150—33.)



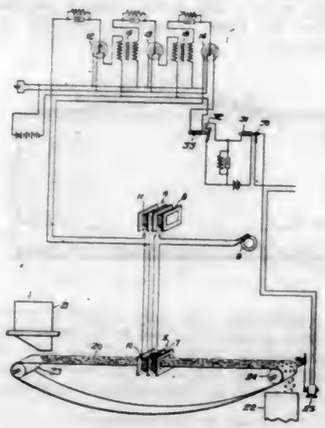
1. In combination, two strap members, means on one of said strap members for loosely receiving the other of said strap members, gripping means on said other strap member for tightly engaging said first mentioned strap member, and means for disengaging said gripping means.

1,640,523. VEHICLE WHEEL. JOHN R. WINTER, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a Corporation of Michigan. Filed June 7, 1921. Serial No. 475,797. 2 Claims. (Cl. 301—6.)



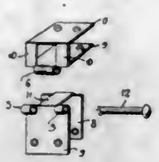
1. In a disk wheel, the combination of a hub having a flange, a disk on the hub having a dished portion, a brake drum on the hub comprising a dished peripheral portion and a main reversely dished portion inwardly thereof, the brake drum being arranged with the inner portion thereof spaced a substantial distance from the inner portion of the disk, the main dished portion of the brake drum being oppositely dished to and disposed opposite the dished portion of the disk in spaced relation therewith, and the dished peripheral portion of the brake drum extending at an inclination parallel with and in supporting contact with a section of the dished portion of the disk to permit slight relative movement between the contacting portions of the disk and brake drum, a spacing and reinforcing member between the inner portions of the disk and the brake drum, and means for clamping the spacing member, and the inner portions of the disk and the brake drum together to the hub flange.

1,640,524. MEANS FOR DETECTING METAL PARTICLES IN NONMETALLIC MATERIAL. ROY WILBERT AUGUSTINE, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1921. Serial No. 447,606. 8 Claims. (Cl. 192—125.)



1. In a mechanism for detecting metal particles in non-metallic material, an induction balance, a conveyor for the material adapted to pass through the direct magnetic field of the induction balance, driving mechanism for said conveyor, and means controlled by the unbalance of the induction field due to the presence of metal therein for stopping the driving mechanism.

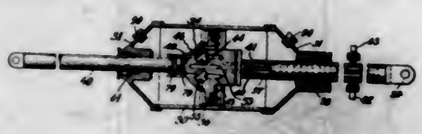
1,640,525. HINGE. JOHN EDMUND BELLIVEAU, Halifax, Nova Scotia, Canada. Filed Nov. 4, 1921, Serial No. 512,902, and in Canada Sept. 23, 1921. 1 Claim. (Cl. 16—167.)



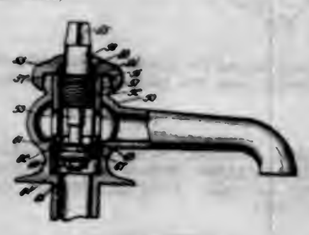
In a hinge construction, a hinge blank having a back and two sides integral therewith, an opening positioned centrally of said back, a pintle socket projecting outwardly of said back and integral with one of the sides in combination with a second blank having a back and two sides, and pintle sockets integral with one of the sides extending outwardly of said back and on each side thereof.

1,640,526. POWER ACTUATOR. CALEB S. BRAGG, Palm Beach, Fla., and VICTOR W. KLIESRATH, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a Corporation of New York. Filed Nov. 6, 1924. Serial No. 748,293. 12 Claims. (Cl. 121—41.)

11. In a power actuator, the combination with a cylinder closed at its ends, a double acting piston therein, and means for producing differential pressures on opposite faces of the piston, of reversing valve mechanism comprising a pair of valve seats located in the piston, each provided with passages communicating with the cylinder on opposite sides of the piston, a piston rod extending through one end of the cylinder and provided with separate inlet and outlet passages, one of which communicates with each of said valve seats, a rotary valve engaging each of said valve seats, a valve actuating part extending through the other end of the cylinder, and operatively connected with said valves, said valve actuating part being movable longitudinally with respect to and independently of the piston, and oppositely disposed springs interposed between said valve actuating part and the piston for normally holding the valves in a predetermined position.

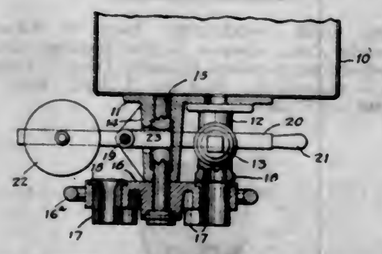


1,640,527. FAUCET. ALBERT C. BROWN, Chicago, Ill. Filed Apr. 18, 1925. Serial No. 24,024. 7 Claims. (Cl. 251—167.)



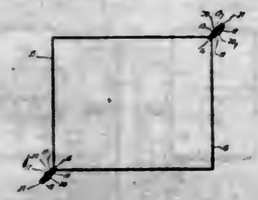
6. A faucet including in combination with the body thereof, a removable valve unit structure comprising, a sleeve within the valve body, a sheet metal valve seat frictionally secured to one end of said sleeve, a diaphragm within said body having an opening therethrough, a beveled seat on said diaphragm adjacent to said opening, a tapered portion on said valve seat, a cap for engagement with said sleeve, and arranged to move said sleeve longitudinally to force the tapered portion of said valve seat firmly against said beveled diaphragm seat, a valve washer and means for actuating said washer carried by said sleeve.

1,640,528. REGULATING DISCHARGE FROM CONTAINERS. BRUNO BAUHN, Bethlehem, Pa., assignor to G. Polysius, Dessau, Germany, a Firm. Filed Apr. 5, 1927. Serial No. 181,102. 4 Claims. (Cl. 83—44.)



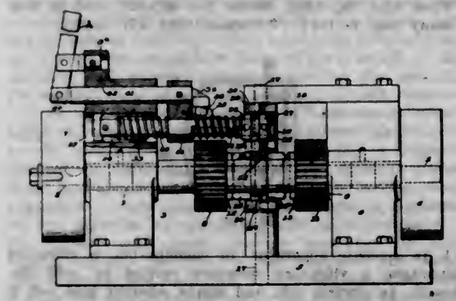
1. An apparatus of the character described including a container having a discharge passage, a pivot pin substantially parallel to said passage, a disk rotatably mounted on said pin and having an annular row of nozzles of different diameters, said disk being axially movable and having means for yieldingly pressing it in one direction to hold a nozzle firmly against the end of said passage.

1,640,529. ELEVATOR LEG. LOUIS BURMEISTER, Milwaukee, Wis. Filed Mar. 22, 1926. Serial No. 96,397. 3 Claims. (Cl. 137—75.)



1. In an elevator, a conduit made up of complementary sections having abutting portions engaging in face to face relation without interlocking, one of said abutting portions having an outwardly directed projection and a spring clip cooperable with said abutting portions and having a seat receiving the outwardly directed projection of the abutting portion for releasably securing the sections in assembly.

1,640,530. SPRING-OPERATED CLUTCH-SHIFTING MECHANISM. PAUL C. BURTON, La Grange, Ill., assignor to The National Automatic Tool Company, Richmond, Ind., a Corporation of Indiana. Filed June 20, 1924. Serial No. 721,226. 13 Claims. (Cl. 192—82.)



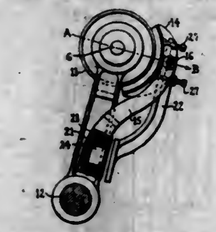
1. A clutch-shifting mechanism combining a non-translatable clutch-member; a shiftable clutch-member adapted to be engaged therewith; a clutch-shifter having a portion engaging said shiftable clutch-member, means including a single element movable in opposite direction for placing said clutch-shifter under oppositely directed spring pressure; an abutment member carried by said element and adapted to engage said clutch-shifter to hold it against movement in either direction until a predetermined pressure has been applied thereto, means for moving said abutment member to permit said clutch-shifter to move under said pressure to engage said clutch members; and means including said abutment-member for positively locking said clutch-shifter in its adjusted position.

1,640,531. CLEANING COMPOSITION AND SPOT REMOVER. LOUIS N. COHN, Rock Island, Ill., assignor to Gleam Manufacturing Co., Davenport, Iowa, a Corporation of Iowa. Filed Oct. 14, 1925. Serial No. 62,466. 1 Claim. (Cl. 87—5.)

A cleaning composition in the form of a paste the constituent ingredients of which consist of 10 gallons of water, 5¼ pounds of chipped soap, 2½ pounds of sal soda, 10 ounces of turpentine, 3 ounces of oil of wintergreen and one cup of table salt.

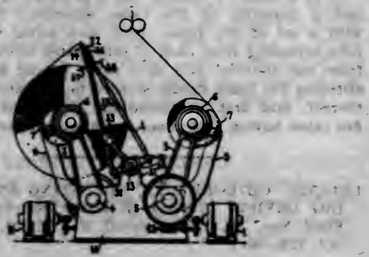
1,640,532. WEB-FEEDING MECHANISM. JOHN S. COLDWELL, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 26, 1924. Serial No. 752,818. 6 Claims. (Cl. 242—75.)

6. In a web feeding mechanism for material drawn from a web roll into a receiving machine, in combination, a brake drum fixed to said roll, a brake shoe for engaging said drum, said drum being held in engagement with said shoe under the action of the weight of said web roll and said shoe being adapted in a position normal to said drum to impose a given dragging effect on said web roll for tensioning of the material drawn therefrom, and being



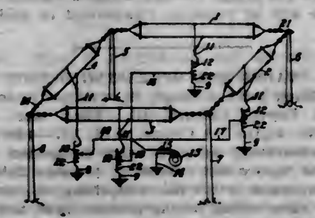
movable to a position wherein the friction surface thereof is eccentric to the friction surface of said drum to provide an augmented dragging effect on said web roll for quick stopping thereof upon quick stopping of said receiving machine, and electromagnetic means associated with said brake shoe for moving the same from its normal position to its last mentioned position.

1,640,533. WEB-SUPPLYING SYSTEM. JOHN S. COLDWELL, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 6, 1924. Serial No. 754,241. 8 Claims. (Cl. 242—58.)



4. In a web renewing mechanism, in combination, a pair of spindles, either being adapted to support an active web roll and the other a reserve web roll, the latter having a folded back portion on the outer end of the web thereof, and having adhesive applied to one face of such folded back portion, means for holding the outer end of the web of said reserve roll, said means being movable in opposite directions between said rolls and being adapted to press the adhesive face of said reserve roll against the web of said active roll, and means associated with said former means for severing the web of said active roll upon sealing of the web of the reserve roll thereto.

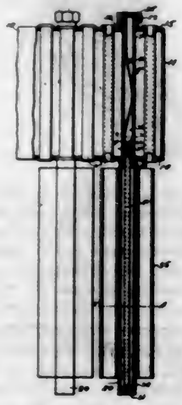
1,640,534. WIRELESS ANTENNA SYSTEM. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1920. Serial No. 430,630. 4 Claims. (Cl. 250—33.)



1. In a wireless signaling system, a plurality of non-parallel adjacently disposed antennæ grouped about a central point, a ground-lead to the mid-point of each

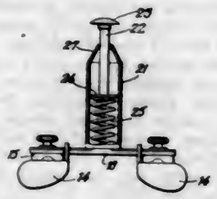
antenna, a tuning coil included in each ground lead and connections whereby each tuning coil may function as a power-transformer.

1,640,535. STEAM BOILER. LUCIUS D. COPELAND, Los Angeles, Calif. Filed July 5, 1923. Serial No. 649,430. 7 Claims. (Cl. 122—42.)



1. In a boiler, a shell having a plurality of water tubes and a plurality of fire tubes extending therethrough, with a set of fire tubes about each water tube, a drop tube extending from each of said water tubes and spaced from one another, said drop tubes having members constituting fire tubes fixedly secured to the exterior surfaces thereof, said first mentioned fire tubes and said second fire tubes having their axes arranged parallel.

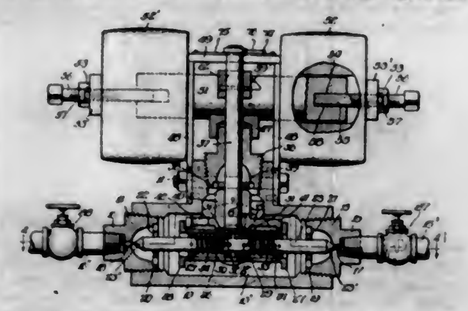
1,640,536. CHIROPRACTIC ADJUSTING AND MASSAGING DEVICE. TANOUS H. DAVID, Sacramento, Calif. Filed Nov. 30, 1925. Serial No. 72,331. 4 Claims. (Cl. 128—60.)



1. A chiropractic treatment device comprising a pair of spaced pad members, covers therefor held in yieldable relation with the pads, a bridge connecting said covers, means in said bridge whereby relative adjustment of said pads is obtained and a spring supported plunger associated with the bridge through which a blow directed to the device will be yieldably transmitted to said pads.

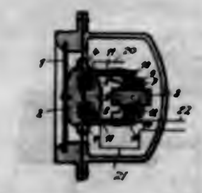
1,640,537. VALVE AND OPERATING DEVICE THEREFOR. MARK DEAN, Chicago, Ill., assignor of one-half to Michael Farrell, Chicago, Ill. Filed Mar. 4, 1926. Serial No. 92,189. 8 Claims. (Cl. 137—139.)

3. An electrically actuated valve mechanism for controlling the supply and exhaust of pressure fluid to and from a diaphragm or the like, comprising, in combination, a tubular valve casing having pressure inlet and exhaust ducts at its opposite ends respectively, a slidably mounted valve rod in said casing the ends whereof are adapted to open and close said ducts, a sleeve slidably mounted on said valve rod, oppositely acting spring thrust connections in the train of mechanical action between said sleeve and



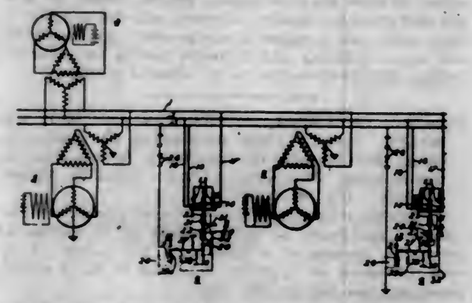
said rod, a double-acting magnet, and means actuated by the armature of said magnet for moving said sleeve endwise in either direction.

1,640,538. SOUND APPARATUS. ALARD DU BOIS-REYMOND, Plon, near Kiel, Prussia, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Mar. 24, 1921, Serial No. 455,321, and in Germany Aug. 6, 1917. 7 Claims. (Cl. 177—386.)



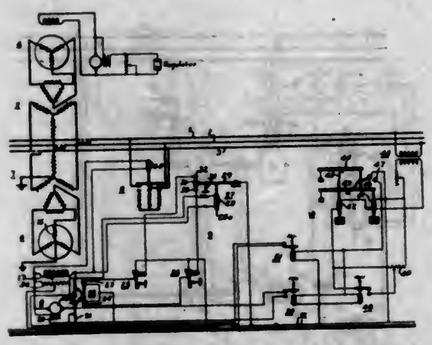
1. In acoustic apparatus, in combination, a vibratory diaphragm, a vibratory structure carried by said diaphragm, an electric coil, and means whereby said coil is carried by said vibratory structure but is acoustically insulated therefrom.

1,640,539. TRANSMISSION SYSTEM. ROBERT D. EVANS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 26, 1923. Serial No. 634,750. 3 Claims. (Cl. 172—237.)



1. The combination with a three-phase transmission line, of a generator for supplying energy thereto, a normally inactive three-phase reactor device, a switching device for connecting said reactor device across said line, and means for effecting the actuation of said switching device in the event of abnormally high or abnormally low voltage of the line.

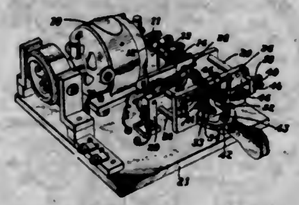
1,640,540. TRANSMISSION SYSTEM. ROBERT D. EVANS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 28, 1923. Serial No. 665,369. 11 Claims. (Cl. 172—237.)



1. In a transmission system, the combination with a supply circuit, of regulating means adapted to maintain a substantially constant voltage throughout the length of said supply circuit, said means comprising a synchronous dynamo-electric machine connected thereto and a regulator, a reactive device, means controlled in accordance with the amount of wattless current exchanged with said supply circuit for connecting said reactive device to said machine, and means similarly controlled for extending the normal range of effective operation of said regulator.

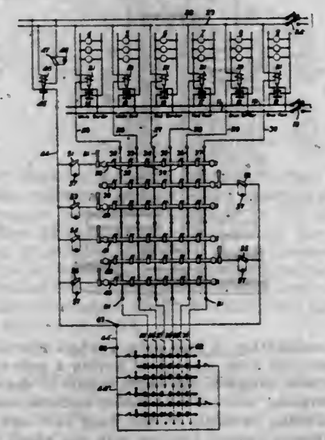
2. In a transmission system, the combination with a supply circuit, a synchronous dynamo-electric machine connected thereto, an exciter therefor, and a regulator adapted to maintain a substantially constant voltage upon said supply circuit, of an inductive device, means controlled in accordance with the degree of excitation of said machine for connecting said inductive device to the machine, and means similarly controlled for maintaining effective operation of said regulator and permitting relatively low excitation of said machine while maintaining the exciter voltage above the residual value thereof.

1,640,541. TELEGRAPH TRANSMITTER. WILLIAM G. FLUHARTY, Rockville Center, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Aug. 1, 1924. Serial No. 729,599. 4 Claims. (Cl. 178—82.)



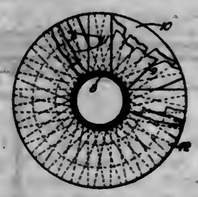
1. A transmitter comprising a single set of transmitting contacts operative to transmit either dots or dashes, a shaft carrying an actuating cam for said transmitting contacts, a continuously operating motor having a constantly engaged friction clutch operatively connected to said shaft, and means for controlling the operation of said shaft including a pair of stop members adapted to arrest said cam in different relative positions with respect to said transmitting contacts to thereby cause the transmission of uniformly spaced impulses of uniform length or to arrest said cam in a position to transmit prolonged impulses of variable length and a single manually actuated lever controlling the operation of both stop members.

1,640,542. CIRCUIT-CONTROLLING APPARATUS. BERT F. FULLER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 27, 1922. Serial No. 577,830. 23 Claims. (Cl. 171—97.)



1. In an electrical system, a main feed circuit, a plurality of load circuits, means for controlling the load circuits, including a group of conductors connected thereto and a second group of conductors crossing the first group, means for selectively connecting the conductors of the second group to the feed circuit, and adjustable means on the conductors of the second group for selectively conductively engaging the conductors of the first group.

1,640,543. BUSHING AND METHOD OF FORMING THE SAME. BENJAMIN J. GUDOE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 28, 1919. Serial No. 341,006. 9 Claims. (Cl. 18—56.)

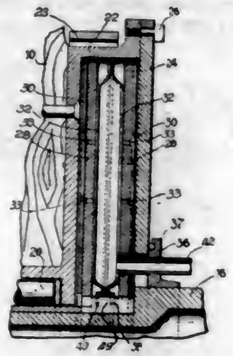


1. The method of forming flanged tubular objects that comprises forming a tubular body of moldable material with outwardly projecting portions, disposing moldable material against the projecting portions and molding the material thus assembled to compact and harden it into a tubular structure provided with a flange formed by the projecting portions of the tubular body and the material disposed against them.

1,640,544. SOAPY EMULSION OF BITUMEN SUITABLE FOR PAVING AND METHOD OF MAKING THE SAME. WILLIAM T. HEADLEY, Philadelphia, Pa. Filed Aug. 5, 1926. Serial No. 127,489. 3 Claims. (Cl. 134—1.)

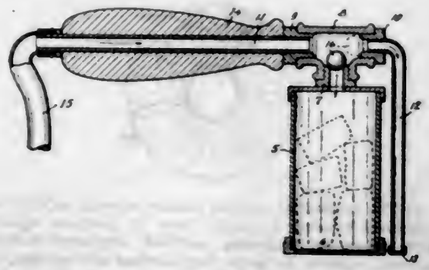
2. An aqueous bituminous emulsion, suitable for paving purposes and capable of withstanding exposures to temperatures below zero F. without breaking, containing a soapy emulsifying agent which has been subjected to a heating of from 400° to 600° F. at any stage of its preparation.

1,640,545. BRAKE. HERMAN C. HEATON, Berwyn, Ill. Filed Apr. 8, 1921. Serial No. 459,570. 7 Claims. (Cl. 188—152.)



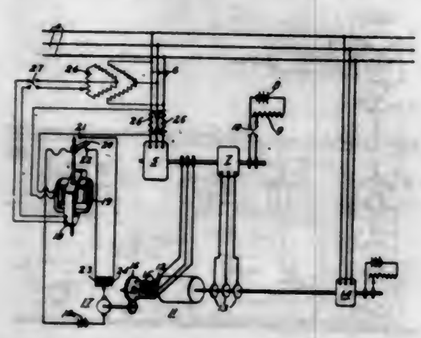
1. In combination, a fixed axle, a wheel rotatably journaled upon said axle, said wheel having a pair of spaced brake surfaces rotatable therewith, a pair of spaced brake shoes interposed between said brake surfaces, said brake shoes extending inwardly to the fixed axle and secured directly thereto against rotation with the wheel, the connection between said shoes and the fixed axle being removed from the sides of the shoes and disposed adjacent the axis of the wheel, said connection permitting sliding of said shoes with respect to the fixed axle, a resilient diaphragm between said brake shoes and means for forcing liquid into said diaphragm to expand same and force said shoes apart in opposite directions and into frictional engagement with the rotatable brake surface on the wheel for the purpose of braking rotation of the wheel.

1,640,546. SPRAY-FORMING DEVICE. JOHN ISENHART, EDWIN A. ISENHART, and WILLIAM E. JOHNSON, Wenatchee, Wash. Filed Feb. 19, 1924. Serial No. 693,766. 1 Claim. (Cl. 299—84.)



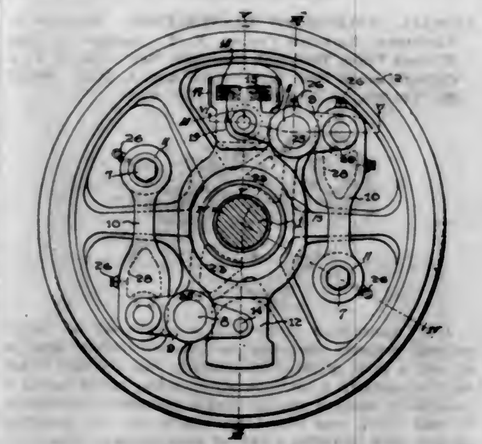
In a spray forming device of the class described a soap container, having perforations formed in one end, a T fitting having one branch connected with the other end of said soap container, a clear water supply pipe connected with another branch of said T fitting, means forming a handle on said water supply pipe, a clear water spray tube connected with a third branch of said T fitting, reducing means forming valve seats at the points of connection of said T fitting with said soap container and said clear water spray tube respectively, and a ball valve loosely disposed and freely movable within said T fitting for selectively seating upon either of said valve seats to control the flow of water to said soap container or to said clear water spray tube, said valve being adapted to roll from one seat to the other when it is not subjected to water pressure and to be held seated when it is subjected to water pressure.

1,640,547. VARIABLE-SPEED INDUCTION-MOTOR SET. CHARLES W. KINCAID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 15, 1922. Serial No. 543,819. 8 Claims. (Cl. 172—274.)



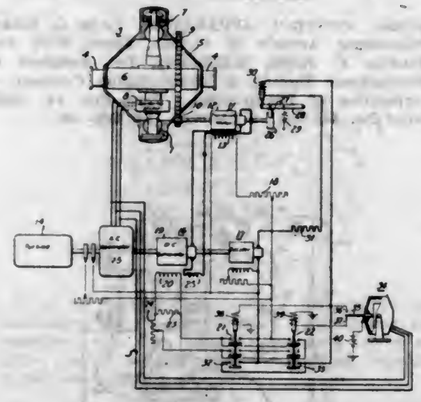
1. A variable-speed induction-motor set, comprising an induction motor having a wound secondary member, a synchronous machine mechanically connected thereto, frequency-converting means interconnecting said secondary member and said synchronous machine, means for variably exciting said synchronous machine in a direction producing under-synchronous operation, means for increasing the excitation in the opposite direction sufficiently to produce synchronous operation, means for still further increasing the excitation in said opposite direction for producing over-synchronous operation, automatic regulating means of a type requiring reversal of connections when the set passes through synchronism, and means mechanically interlocked with said several exciting means for effecting said reversal at the proper point in the adjustment of said exciting means.

1,640,548. LINK-DRIVE MECHANISM. CHARLES N. F. KNAPP, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1924. Serial No. 739,242. 11 Claims. (Cl. 105—131.)



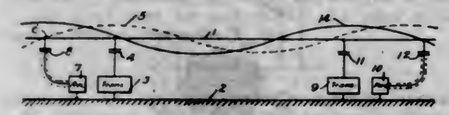
1. In a railway vehicle drive, the combination with a pair of drive wheels, of a drive quill having its axis in parallel relation to the axis of said wheels, a pair of crank arms pivotally mounted on one of said wheels, a resilient link connecting said arms and a plurality of coupling rods pivotally mounted on said arms and secured for universal movement on said quill.

1,640,549. GYROSCOPIC STABILIZER SYSTEM. BENJAMIN G. LAMME, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 15, 1922. Serial No. 561,181. 3 Claims. (Cl. 74—78.)



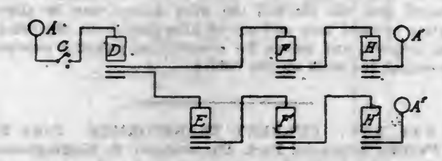
1. In a control system for a gyroscopic ship stabilizer, the combination including a gyroscope flywheel, a spinning motor therefor, a prime mover having a falling speed-torque characteristic, generating means coupled thereto and connected to said spinning motor, the spinning motor being inherently capable of operating regeneratively and operating normally at a speed which varies substantially in accordance with the speed of the prime mover, a direct-current precession motor having a commutator-type armature and a field-magnet, a direct-current generator coupled to said prime mover and connected to said precession-motor armature, a brake mechanically connected to said precession motor, means adapted to be automatically responsive to the rolling motion of the ship in one direction for releasing the brake and energizing the generator field magnet at the incipience of such motion and for de-energizing the generator field magnet and applying the brake at the end of such motion, means adapted to be automatically responsive to the rolling motion of the ship in the opposite direction for releasing the brake and energizing the generator field magnet in the opposite direction at the incipience of such opposite motion and for deneregizing the generator field magnet and applying the brake at the end of such opposite motion, and means for causing the field magnet of said precession motor to be independently energized.

1,640,550. CARRIER-CURRENT SIGNALING SYSTEM. DONALD G. LITTLE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 2, 1924. Serial No. 703,668. 4 Claims. (Cl. 178—44.)



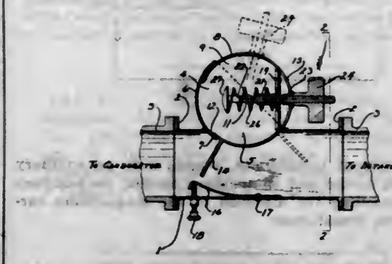
2. In a high-frequency signaling system, a line, two signal-sending devices for impressing high-frequency energy upon said line at a distance apart greater than a half-wave-length and a receiving device adjacent each signal-sending device, each signal-receiving device being at a quarter-wave-length from the adjacent signal-sending device.

1,640,551. AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed June 30, 1920, Serial No. 392,943. Renewed June 25, 1926. 19 Claims. (Cl. 179—18.)



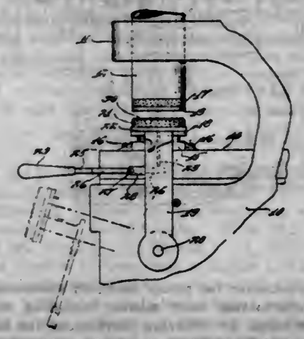
1. In a telephone system, a subscriber's line, a series of switches comprising group selectors, hundreds selectors, and connectors directively controllable by the subscriber on said line for connecting with a second line, a second series of switches comprising group selectors, thousands selectors, hundreds selectors, and connectors similarly controlled for connecting with a third line, and automatic telephone numbers assigned to said lines all having the same number of digits.

1,640,552. INTERNAL-COMBUSTION ENGINE. VERNER AUGUST NELSON, Oakland, Calif. Filed May 10, 1926. Serial No. 108,026. 6 Claims. (Cl. 137—152.)



6. A control for the intake of an internal combustion engine comprising a rotary valve having an element extending into the intake to be operated by the draft passing therethrough, a second valve associated with a port opening of the first valve, and an adjusting element for the second valve arranged to yieldingly oppose operation of the first valve by the draft.

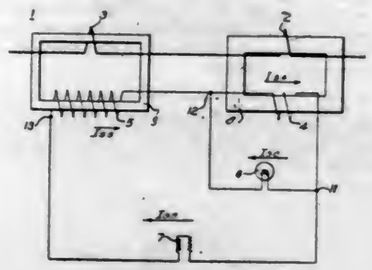
1,640,553. ATTACHMENT FOR STEEL DIE AND PLATE PRESSES. ELIOT O'HARA, Waltham, Mass., assignor to O'Hara Waltham Company, Waltham, Mass., a Corporation of Massachusetts. Filed Apr. 16, 1926. Serial No. 102,510. 6 Claims. (Cl. 101—41.)



1. In a machine of the character described, a die having thereon the design to be printed, a reciprocable carrier therefor, a vertically movable printing member, a

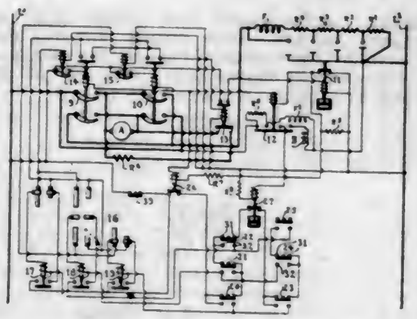
surface adapted to take up the design from the inked die, a movable work holder, means for moving the die into and out of alinement with the printing member, and means for moving the work holder into and out of alinement with the printing member, said operating means for the die holder and for the work holder being so controlled that the die and the work holder may be alternately brought into and out of alinement with the printing member, and means for causing the printing member to engage the work on the holder.

1,640,554. CURRENT TRANSFORMER. JOHN F. PETERS, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 1, 1925. Serial No. 59,770. 7 Claims. (Cl. 171—95.)



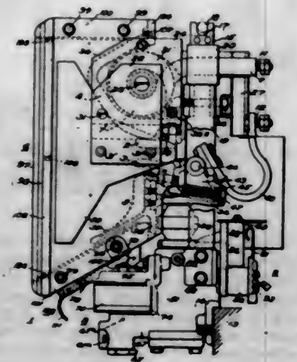
1. In a current transformer, a main unit, an auxiliary unit, a main burden and an auxiliary burden, the auxiliary burden controlling the direction of the magnetising currents for the transformer.

1,640,555. ELEVATOR CONTROLLER. HARRISON P. REED, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 29, 1921. Serial No. 511,354. 6 Claims. (Cl. 172—152.)



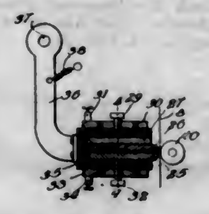
1. In a controller for motor operated elevators and the like, the combination with means, including voluntarily operable switches, for effecting starting of the motor and automatic stopping following a predetermined range of operation thereof, of associated means for rendering all of said switches ineffective to influence the action of the motor during the interval between starting and stopping thereof, and means for maintaining certain of said switches similarly ineffective for a predetermined period after stopping of the motor while maintaining other of said switches effective during such predetermined period.

1,640,556. CONTROL APPARATUS. LYNN G. RILEY, Wilkinsburg, ANDREW H. CANDEE, Forest Hills, and MAURICE F. JONES, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1921. Serial No. 444,708. 3 Claims. (Cl. 200—82.)



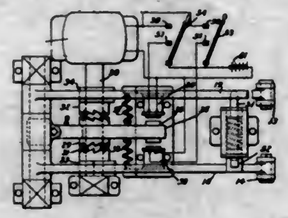
1. The combination with a switching device comprising a stationary arc horn and a stationary valve member, said horn and said valve member having surfaces which are substantially parallel, of an arcing box having surfaces substantially parallel to the parallel surfaces of said horn and said valve member for mounting said box upon said horn and said valve member, the said surfaces of said box slidingly engaging the corresponding surfaces of said horn and said valve member, and means for latching said box into position.

1,640,557. METHOD OF AND MEANS FOR TRANSMITTING, RECORDING, AND REPRODUCING SOUND. JOSEPH TYKOCINSKI-TYKOCINER, Urbana, Ill. Filed Feb. 1, 1923. Serial No. 616,450. 20 Claims. (Cl. 179—100.1.)



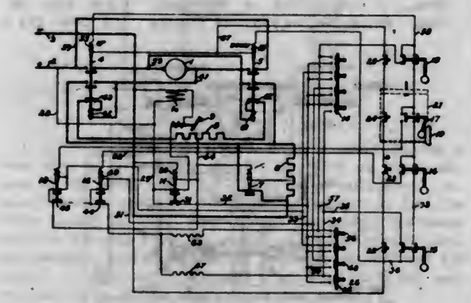
1. In combination, a plurality of elements physically in contact with each other and separated by a gap of molecular dimension, and means for creating a discharge of high actinic value between said elements.

1,640,558. OPERATING DEVICE AND DISCONNECTING SWITCH. CHRISTIAN AALBORG, Pittsburgh, and FREDERICK C. WILHARM, Homewood, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1923. Serial No. 611,267. Renewed Jan. 25, 1927. 8 Claims. (Cl. 175—375.)



1. In an electrical apparatus, a plurality of circuit interrupters at different levels, a disconnecting switch associated with each circuit interrupter, and a power device adapted to operate either said circuit interrupters or said disconnecting switches.

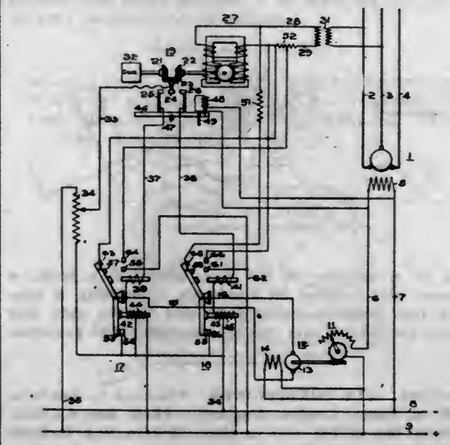
1,640,559. CONTROL SYSTEM. EDGAR M. BOUTON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 12, 1921. Serial No. 460,844. 4 Claims. (Cl. 172—152.)



1. The combination with an elevator and a hoisting motor, of reversing contactors therefor, controlling means comprising a plurality of push-button switches and selector switches, a brake for the motor, a relay responsive to the operation of one of said reversing contactors in response to the operation of one of said push button switches for controlling said brake, and a switch actuated by the brake relay for rendering all the other of said push buttons ineffective.

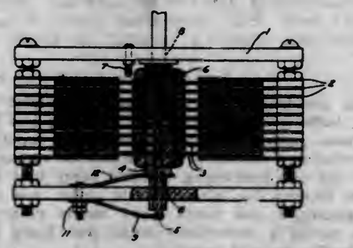
1,640,560. VOLTAGE-REGULATOR SYSTEM. WILLIAM M. BRADSHAW, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 23, 1925. Serial No. 39,046. 6 Claims. (Cl. 171—119.)

1. In a regulator system, a dynamo-electric machine, means for varying the excitation of said dynamo-electric machine comprising a differential device, a contact member actuated thereby, a pair of contact members cooperating therewith, a clock mechanism for actuating one side of said differential device, electro-responsive means energized in accordance with the voltage of said dynamo-electric machine for actuating the other side of said



differential device, and means energized in accordance with the excitation of said machine for actuating said pair of contact members to prevent hunting action.

1,640,561. VARIABLE CONDENSER. EDGAR W. BREISCH, Edgewood Park, and LAWRENCE R. GOLLADAY, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 24, 1925. Serial No. 45,728. 4 Claims. (Cl. 175—41.5.)

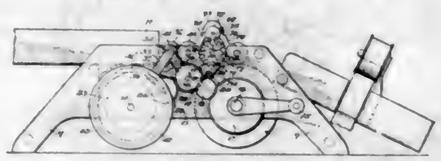


1. An electrical instrument having a rotating electrical part mounted for limited rotative movement, a hollow shaft supporting said rotating part, a stationary frame member including a bearing for said hollow shaft, a flexible connecting conductor disposed within said shaft, the inner end of said flexible conductor being conductively connected to the shaft and turning therewith, the outer end of said flexible conductor being held against turning, and a terminal, conductor mounted on said frame member and secured to said outer end of the flexible conductor.

1,640,562. CONDENSATION-PRODUCT VARNISH. ARTHUR L. BROWN, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 29, 1924. Serial No. 702,807. 12 Claims. (Cl. 134—26.)

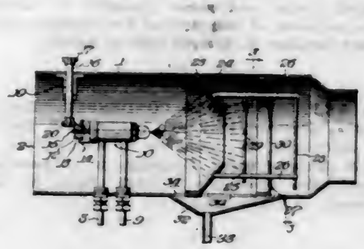
3. The process of preparing a liquid coating composition that comprises heating a mixture of China wood oil and cresol with a material containing an active methylene group for a time sufficient to initially condense said mixture, heating at a higher temperature for dehydrating the same, heating the resulting composition with a drier soluble therein and then adding a thinner.

1,640,563. MACHINE FOR COUNTING SHEETS. CHARLES L. BURDICK, Wood Green, London, England. Filed July 14, 1923, Serial No. 651,469, and in Great Britain July 29, 1922. 9 Claims. (Cl. 235—132.)



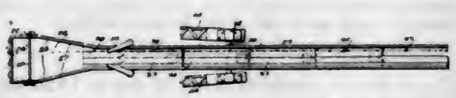
7. In a machine of the class described, a shaft, a Geneva gear mounted on said shaft, a plurality of tripping lugs pivotally mounted on said Geneva gear, and means for holding said lugs in operative radial positions.

1,640,564. AIR CONDITIONER. CHARLES L. BURDICK, Wood Green, London, England. Filed May 4, 1925, Serial No. 27,709, and in Great Britain May 7, 1924. 4 Claims. (Cl. 261—116.)



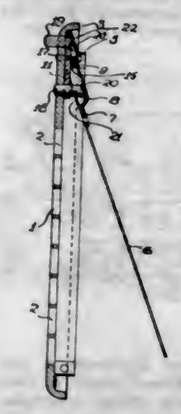
1. In combination, a casing having an inlet and an outlet, baffle means mounted in the casing and forming a tortuous passage between the inlet and outlet, means for projecting a current of air through the casing to said outlet and for discharging a liquid spray into said air current between the inlet and said outlet, said air current projecting and liquid spray means comprising a nozzle having a controllable outlet and liquid and air lines leading to said nozzle.

1,640,565. PLACER MACHINE. ARTHUR CRISFIELD DENNIS, Piedmont, Calif. Filed Aug. 18, 1926. Serial No. 129,997. 8 Claims. (Cl. 262—2.)



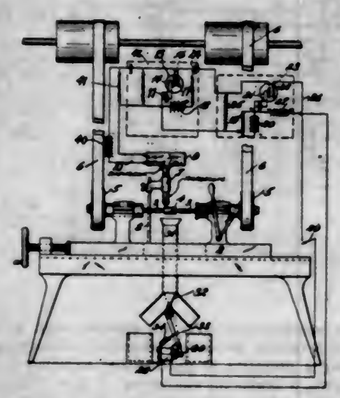
1. In a placer machine, a bucket-sluice structure comprising a bucket having a sluice contiguous thereto, said sluice having mineral savings devices therein, and mechanism for tilting said structure into and causing said bucket to scoop a charge of the deposit and then tilting said structure into a position to discharge the contents of said bucket through said sluice and over said mineral savings devices.

1,640,566. HEATING OR VENTILATING REGISTER. CHARLES ENGLERT, Rochester, N. Y. Filed Aug. 3, 1926. Serial No. 126,885. 6 Claims. (Cl. 98—106.)



1. A heating or ventilating register comprising a face plate, a shutter pivoted on the rear face of said face plate and having portions on opposite sides of its pivot, and two independently mounted operators on the face plate arranged to cooperate each with one of said portions on opposite sides of the pivot to shift the shutter in opposite directions.

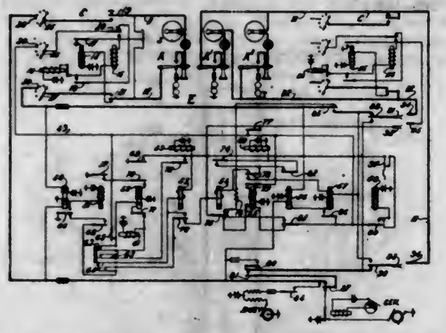
1,640,567. MACHINE FOR DETECTING FLAWS. FLOYD FIRESTONE, Ann Arbor, Mich., assignor to The Regents of The University of Michigan, Ann Arbor, Mich., a Corporation of Michigan. Filed July 20, 1925. Serial No. 44,955. 11 Claims. (Cl. 209—211.)



1. A machine of the kind described comprising an optical system, a light-sensitive cell operatively related to said system to be affected thereby, means for bringing the surface of an article within the field of action of said system in successive small areas, and an electromagnetic device operatively electrically related to said light-sensitive cell to be controlled thereby.

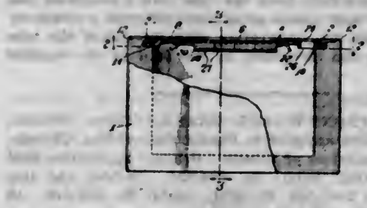
1,640,568. AUTOMATIC TELEPHONE SYSTEM. ROY F. GOULD, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed Aug. 28, 1925. Serial No. 53,030. 11 Claims. (Cl. 179—17.)

1. In a telephone system, an automatic switch for extending a connection to a line, after being first operated and released, said switch including a pair of line wipers, a source of signaling current, said source being normally associated with one of said wipers, and means responsive



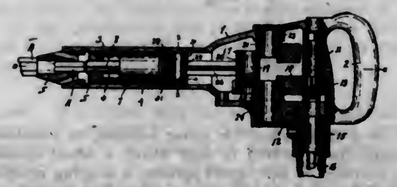
to a preliminary operation of said wipers corresponding to a particular digit for transferring said source into association with the other wiper.

1,640,569. SAVINGS BANK. HENRY J. HALVERSON and WILLIAM HAROLD YOUNGSTROM, Chicago, Ill., assignors to New Business Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1925. Serial No. 965. 5 Claims. (Cl. 232—4.)



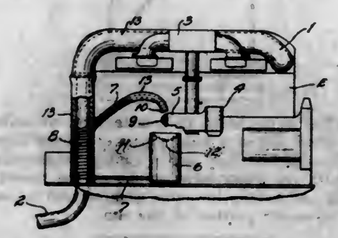
1. A savings bank having a body, a cover having a coin slot, a latch plate slidably mounted on the under side of the cover and long enough to simultaneously engage the body at diametrically opposite points to hold the cover locked in place, and springs connecting the cover and the latching plate for urging the latter toward locking position, said springs being arranged parallel and adjacent to each other beneath the coin slots for preventing issue of the contents of the bank.

1,640,570. POWER HAMMER. GEORGE E. HIBBER, Cincinnati, Ohio, assignor to The Concrete Surfacing Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 20, 1925. Serial No. 16,962. 6 Claims. (Cl. 125—32.)



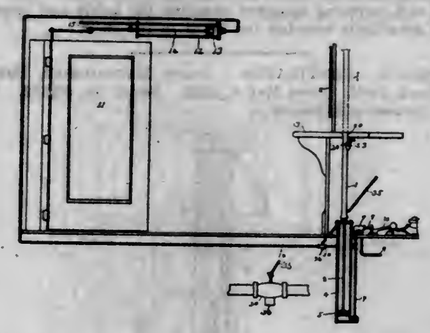
1. In a power hammer, the combination of a body, a cylinder slidable therein, a crank-shaft mounted in said body, a connecting rod extending therefrom to the cylinder to move the cylinder inwardly and outwardly, a piston-hammer in said cylinder, a pin connecting the cylinder to the connecting rod, said pin and cylinder being formed with air passages which aline while the cylinder is making the middle portion of its inward stroke and are out of alinement during the remainder of the time to cause the piston hammer to be cushioned during the outward movement of the cylinder.

1,640,571. FUEL ECONOMIZER FOR INTERNAL-COMBUSTION ENGINES. HENRY H. HUMPHREY, St. Louis, Mo. Filed May 3, 1926. Serial No. 106,396. 1 Claim. (Cl. 123—25.)



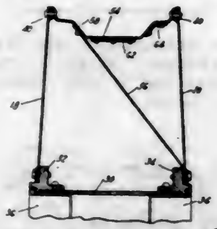
In a device of the character described for internal combustion engines having intake and exhaust manifolds, a carburetor for admitting fuel to said intake manifold, a container for water subjacent the carburetor, a conduit leading from said container to a point adjacent the air inlet of the carburetor and having its outlet above the container, means for vaporizing the water passing from the container to the outlet of the conduit, said vapor being sucked into the carburetor by the action of the engine to augment the fuel action, and means for breaking up any unvaporized globules discharging from the conduit outlet.

1,640,572. BURGLAR-CATCHING AND CASHIER-PROTECTIVE APPARATUS. JOHN J. KENNEDY and THOMAS W. STENE, Los Angeles, Calif. Filed June 30, 1924. Serial No. 723,411. 2 Claims. (Cl. 268—2.)



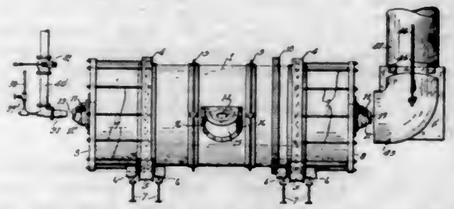
1. In an apparatus of the class described wherein a building is equipped with automatically operated means for fastening the doors and windows thereof and a burglar alarm sounded so that a burglar may be captured, the combination of a counter, a bullet proof shield slidably associated with said counter, a projection on the upper portion of said shield, said counter being equipped with a countersunk portion for receiving said projection when said shield is in lowered position so that said shield may be concealed, a motor for elevating said shield, and means for operating said motor, said means comprising an inclined rectangular frame and means for holding said frame in inclined position whereby said motor may be caused instantly to function by reason of the sudden elevation of the operator's foot.

1,640,573. REENFORCED WHEEL. ISAAC M. LADDON, WILLIAM A. RINO, and FRED W. HERMAN, Dayton, Ohio, assignors to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1927. Serial No. 181,352. 2 Claims. (Cl. 301—63.)



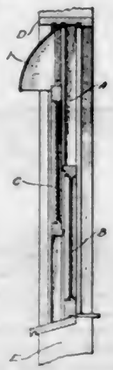
2. A wheel comprising, in combination, an outer rim having a drop center, a hub, a pair of spaced disks connecting the rim and hub, and a conical reenforcing disk secured with the inner edge of one of the spaced disks to the hub and having its outer edge secured to one side of the drop-center portion of the rim.

1,640,574. SMELTING FURNACE. TANNIS LEWIN, St. Louis, Mo., assignor of one-half to William Lewin, St. Louis, Mo. Filed July 6, 1925. Serial No. 41,839. 5 Claims. (Cl. 263—33.)



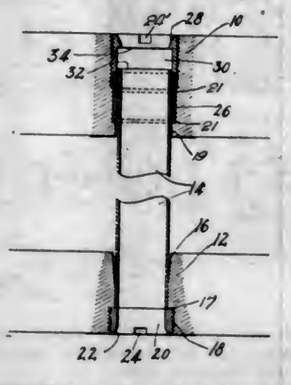
1. In a smelting furnace, an elongated cylindrical shell, closure-heads disposed on the ends of the shell, rings fixed circumferentially about the shell adjacent the ends thereof, and fastening members engaging the heads and rings for detachably securing the heads to the shell.

1,640,575. VENTILATOR. ANTON MATTHIESSEN, Oakland, Calif. Filed May 6, 1925. Serial No. 28,332. 3 Claims. (Cl. 98—98.)



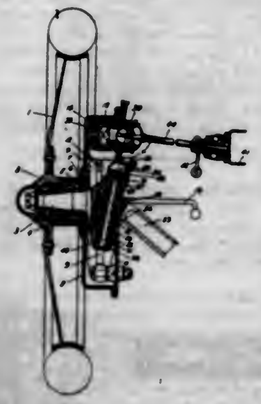
1. A device of the type described comprising a sectional canopy adapted to extend outside of a window, a sectional screen carried by said canopy, beads carried by the canopy sections and being receivable in the grooves of a window, said screen sections having reversed beads on their opposite ends insertable vertically over the beads on the ends of the canopy sections.

1,640,576. CONDENSER-TUBE NIPPLE AND MOUNTING. WILLIAM S. MONROE, Chicago, Ill., assignor to Sargent & Lundy, Chicago, Ill., a Corporation of Illinois. Filed May 11, 1925. Serial No. 29,323. 2 Claims. (Cl. 285—48.)



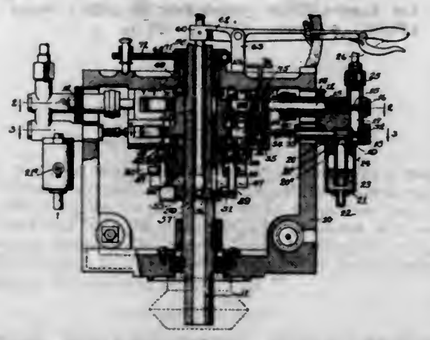
1. In combination, a tube, a sheet associated therewith having an aperture in which an end of the tube is movably fitted, and a ferrule fitted in the said aperture forming an annular pocket intermediate its orifice and the end of the tube for permitting endwise movement of the tube, the orifice of the said ferrule being in alignment with the bore of the tube and being flared outwardly so as to conduct a fluid from the tube with a minimum loss of head, the said ferrule being provided with a relatively sharp shoulder for co-operating with the end of the tube in governing the turbulence of the fluid in the annular pocket.

1,640,577. FRONT-WHEEL BRAKE. HENRI PERROT, Paris, France, assignor to Bendix Corporation, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 25, 1922, Serial No. 584,324. Divided and this application filed Jan. 29, 1924. Serial No. 689,219. 10 Claims. (Cl. 188—194.)



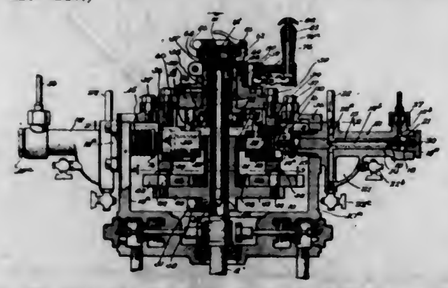
1. In a front wheel for motor vehicles, in combination, a brake drum secured to said wheel, a wheel spindle, a disc provided on said wheel spindle, a steering spindle rotatably mounted on said disc, another disc secured to the said first disc, two brake segments pivotally secured to said second disc at one extremity, a hollow boss on said second disc, two slits provided on said boss, the movable extremities of said brake segments entering said slits, a brake cam in said hollow boss supported by the latter and cooperating with the inner faces of said movable extremities of the brake segments, means for operating said cam, and means connected to said first disc for turning the wheel.

1,640,578. GOVERNING MECHANISM FOR OIL ENGINES. FRANK W. SEVERIN, Chicago, Ill., assignor to Venn-Severin Machine Co., Chicago, Ill., a Corporation of Illinois. Filed July 9, 1921. Serial No. 483,628. 9 Claims. (Cl. 123—140.)



1. In governing mechanism for oil engines, the combination of a pump for feeding oil to the cylinder, a spring closed suction valve for controlling the volume of oil forced into the cylinder, mechanism for operating the pump, mechanism comprising a positively driven cam for opening the valve, a controller-cam coaxial with the cam for opening the valve, and a governor connected to operate the controller cam, to control the periods during which the valve remains open during the pumping strokes.

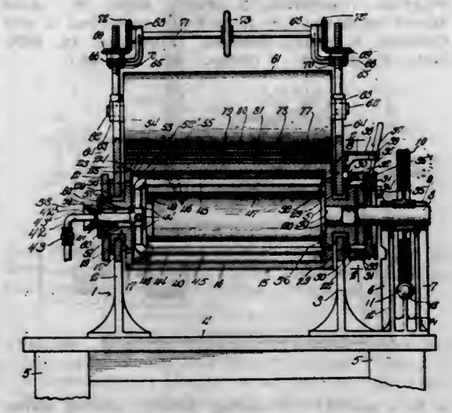
1,640,579. FUEL-FEED MECHANISM FOR OIL ENGINES. FRANK W. SEVERIN, Chicago, Ill. Filed July 27, 1925. Serial No. 46,379. 16 Claims. (Cl. 123—140.)



1. In fuel feed mechanism for oil engines, the combination of a reciprocatory pump for feeding fuel oil to the engine cylinder comprising a piston and a cylinder, a cam for operating the piston to pump the oil, a valve in the cylinder, for rendering the piston effective to deliver oil and operated by the piston, and means for adjusting the cam to vary the pumping stroke of the piston to vary the charges delivered to the engine.

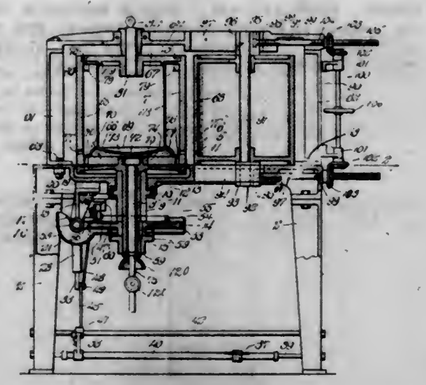
1,640,580. MACHINE FOR HEATING AND BENDING METALLIC PRINTING PLATES, SUCH AS ELECTROTYPE AND STEREOTYPE PLATES. CHRISTIAN N. SMITH, Elgin, Ill., assignor of one-half to William P. Topping, Elgin, Ill.; Alice Minnie Smith and Lily Irene Smith executrices of said Christian N. Smith, deceased. Filed May 5, 1924. Serial No. 711,297. 10 Claims. (Cl. 153—40.)

1. In a machine for heating and bending metallic printing plates, the combination of a plurality of parallel rolls including a horizontal rotative hollow heating and bending roll adapted to be interchanged with other similar rolls of different sizes, driving shaft and gear mechanism for rotating such interchangeable hollow heating and bending rolls of different sizes successively, means for heating said hollow heating and bending rolls during the rotation thereof, stationary supporting means adapted to support said rolls in position to rotate upon horizontal



axes, and connecting means adapted to detachably connect said driving shaft with each of a plurality of such interchangeable hollow heating and bending rolls successively and acting to permit the removal of any heating and bending roll so detachably connected with said driving shaft independently of and without removing said driving shaft from its support.

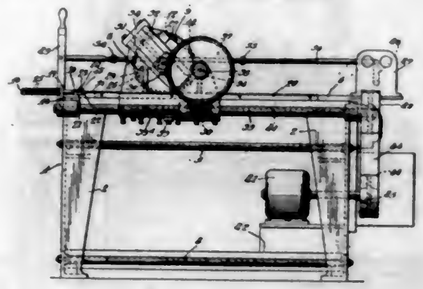
1,640,581. MACHINE FOR HEATING AND BENDING METALLIC PRINTING PLATES, SUCH AS ELECTROTYPE AND STEREOTYPE PLATES. CHRISTIAN N. SMITH, Elgin, Ill., assignor of one-half to William P. Topping, Elgin, Ill.; Alice Minnie Smith and Lily Irene Smith, executrices of said Christian N. Smith, deceased. Filed May 5, 1924. Serial No. 711,298. 11 Claims. (Cl. 153—40.)



1. In a machine for heating and bending metallic printing plates, the combination of a hollow heating and bending roll adapted to rotate upon a vertical axis, rotative supporting and driving mechanism in supporting engagement with said roll, supporting bearings for said driving mechanism, means for connecting said roll with the supporting and driving mechanism, a burner located inside of and adapted to rotate with the roll, and a

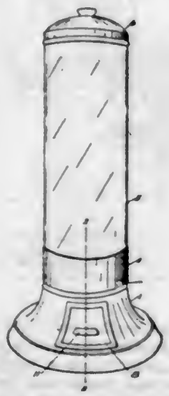
fuel-supply conduit extending upward through the axial center of said rotative supporting and driving mechanism and adapted to communicate with said rotative burner for supplying fuel to said burner.

1,640,582. MACHINE FOR BENDING PRINTING PLATES. CHRISTIAN N. SMITH, Elgin, Ill.; Alice Minnie Smith and Lily Irene Smith executrices of said Christain N. Smith, deceased. Filed Apr. 12, 1926. Serial No. 101,404. 6 Claims. (Cl. 153—40.)



1. In a machine for bending metallic printing plates, the combination of a bed, a carriage movably mounted and adapted to travel over the bed, a plate-bending roll rotatively mounted on and movable with said carriage, a flexible metallic backing sheet having one end attached to the periphery of said bending roll, said sheet being adapted to extend between the bed and the bottom surface of the bending roll and acting to admit a metallic printing plate between said flexible sheet and the bending roll, a stationary sheet-holding member connected with the opposite end of said flexible metallic backing sheet and acting to hold said flexible sheet taut, a spur gear fixed to said bending roll, a toothed rack supported independently of the carriage and in toothed engagement with said spur gear, a spur gear rotatively supported on the carriage and in toothed engagement with a spur gear on said bending roll, and means for rotating said last-mentioned spur gear.

1,640,583. DISPLAY CASE. HERMAN STEINRUCK, Erie, Pa., assignor to Sterling Aluminum Company, Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 17, 1925. Serial No. 56,856. 6 Claims. (Cl. 221—146.)



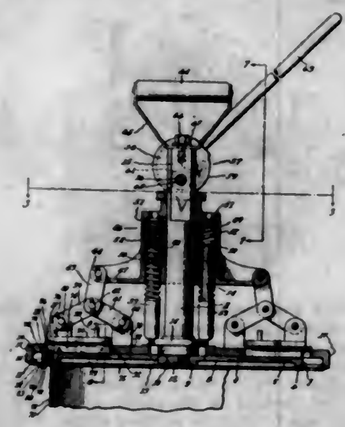
1. In a display case, the combination of a base formed of sheet metal of annular form flared toward the bottom and creased to form an internal shoulder and extending above the shoulder in cylindrical form; a door in the flared part of the base; a bottom forming a closure of the bottom end of the flared portion of the base; and a transparent cylindrical shell telescoping the cylindrical portion of the base and supported on the shoulder.

1,640,584. COMBINED ASH TRAY AND CIGARETTE AND CIGAR EXTINGUISHER. JOHN F. THIESSEN, Los Angeles, Calif. Filed July 19, 1926. Serial No. 123,403. 4 Claims. (Cl. 131—51.)



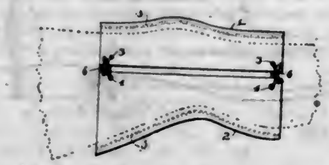
1. In a device of the class described, in combination, a horizontal bar, sets of curved legs extending from each end of said bar for supporting the same, a lighted cigarette or cigar extinguisher on said bar, an ash tray positioned below said bar and between said legs, and loop and hook means associated with said bar and said tray whereby said tray may be detachably supported by said bar.

1,640,585. METAL-CONTAINER SEALING-CLOSURE-FASTENING APPARATUS. FRANK C. THORNTON, East Cleveland, Ohio. Filed July 19, 1926. Serial No. 123,560. 5 Claims. (Cl. 113—18.)



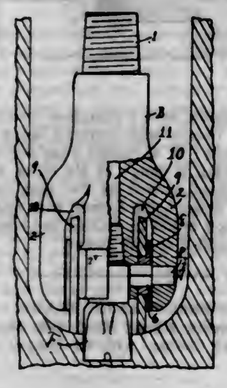
1. In a machine for applying a sheet metal closure to a container having a projecting bead at the top, the combination of a head adapted to rest upon said closure within said rim, a set of radially movable bending members mounted upon said head and having depending hook-shaped flanges at their outer ends adapted to be contracted and bend the edge of the closure under said rim, a post standing on the head, a lever pivoted on the post, and operating connections between the lever and said members, adapted to contract said members inwardly and simultaneously press downwardly on the closure when pressure is applied to the lever.

1,640,586. BODY SUPPORT. MAT TUSUP, Campbell, Calif. Filed Nov. 13, 1926. Serial No. 148,214. 1 Claim. (Cl. 128—91.)



A device of the character described, comprising a pair of complementary elements molded to the general conformation of the portion of the body which they are to embrace and made of plastic fire clay hardened with reinforcing means bedded therein, the said elements having orifices formed in their opposing edges, and lacing means engaging the opposing orifices.

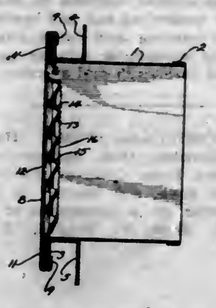
1,640,587. EARTH-BORING TOOL. THOMAS C. WHISLER, Redondo Beach, Calif. Filed May 28, 1925. Serial No. 33,363. 5 Claims. (Cl. 255—71.)



3. In an earth boring tool, in combination, a hollowed out and internally screw-threaded body member, a pair of side members positioned in spaced relation with said body member, a fixed element connecting each of said side members to said body member, a cutting element on each of said fixed elements, and adapted for rotation thereon, and an additional cutting device screw-threaded into said body member and positioned between said rotary cutting elements and adapted to prevent said fixed elements from emerging from the tool when it is operated.

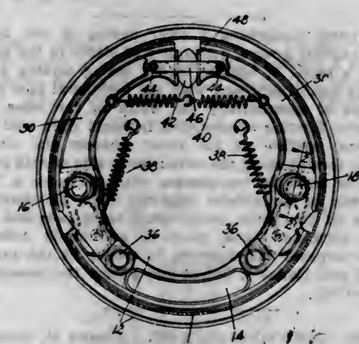
1,640,588. LOUVER VENTILATOR. RALPH C. YAGER and GEORGE L. YAGER, Oakland, Calif., assignors to Yager Sheet Metal Company, Oakland, Calif., a Copartnership. Filed June 19, 1926. Serial No. 117,021. 1 Claim. (Cl. 98—121.)

A device of the type described, comprising a casing, a cover secured to said casing, said cover having a portion thereof spaced inwardly from the plane of said cover, said portion having a plurality of parallel cuts therein for forming sections, said sections being bent on a line midway between the cuts, so that portions of said sections project in front of the inwardly spaced portion of the cover and portions of the sections project inwardly



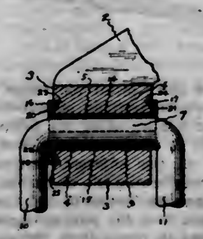
from the inwardly spaced portions of the cover, the outer extremities of said sections lying flush with the plane of the cover and being strengthened by reinforcing ribs.

1,640,589. BRAKE. WILLIAM J. ANDRES, South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill., a Corporation of Illinois. Filed July 25, 1925. Serial No. 46,041. 19 Claims. (Cl. 188—78.)



1. A brake for a vehicle comprising, in combination, a retarding device, anchoring means engaging the retarding device, and a pair of oppositely-effective servo devices, one of which is arranged to operate the retarding device when the vehicle is moving forward and the other of which is arranged to operate the retarding device when the vehicle is moving backward.

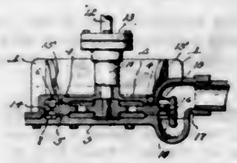
1,640,590. BRAKE HANGER. JOSEPH W. BETTENDORF, Bettendorf, Iowa. Filed July 26, 1926. Serial No. 124,808. 10 Claims. (Cl. 188—209.)



1. In brake mechanism, in combination, a brake hanger support having a bearing portion provided with a bearing aperture, said bearing portion being provided with a slot

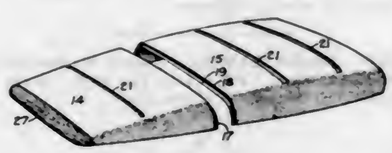
extending outwardly of said bearing portion from said aperture, a brake hanger end disposed in said aperture, a longitudinally split cylindrical bushing comprising a plurality of bushing sections disposed in said aperture between said brake hanger end and said bearing portion and substantially surrounding said brake hanger end, and means to prevent appreciable rotative and longitudinal movement of said bushing in said aperture.

1,640,591. CENTRIFUGAL PUMP. HERMAN A. F. BOARNEMAN, Columbus, Ohio, assignor of one-half to Westco-Chippewa Pump Company, Davenport, Iowa, a Corporation of Iowa, and one-half to Decatur Pump Company, Decatur, Ill., a Corporation of Illinois. Filed Oct. 19, 1923. Serial No. 660,568. 2 Claims. (Cl. 103—96.)



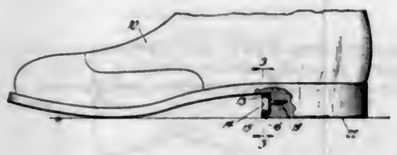
1. A pump comprising a rotor having in one lateral face an annular groove, a plurality of blades in the groove forming a series of buckets, and a casing making a substantially liquid tight seal with the peripheral face of the rotor and of substantially the width of the rotor, said casing also forming a substantially liquid tight seal with the lateral surface of the rotor wherein the annular groove is formed along the radial inner side of said groove to thereby refine in conjunction with the rotor a liquid passageway of no greater diameter than the maximum diameter of the rotor, said casing being provided with suitable inlet and outlet portions and liquid deflecting means interposed therebetween to closely fit the exposed edges of said blades to deflect liquid from the passageway to the outlet.

1,640,592. TOP CONSTRUCTION. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Dec. 13, 1924. Serial No. 755,726. 3 Claims. (Cl. 296—137.)



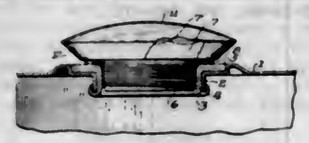
1. A continuous sheet metal top frame composed of a plurality of transverse sections permanently secured together along their joining edges, the joining edge of each section being bent to form in conjunction with the corresponding edge of the adjacent section a transverse trough-shaped strengthening rib, and trough-shaped transverse strengthening ribs formed in and from the metal of each section remote from the joining edges thereof, all of said ribs increasing in depth from the sides of said top to the center thereof to impart to said top structure relatively equal transverse strength against bending throughout the full width thereof.

1,640,593. ANTIFRICTION DEVICE FOR SHOE HEELS. SAMUEL BUCHSBAUM, Chicago, Ill. Filed Sept. 19, 1921. Serial No. 501,555. 4 Claims. (Cl. 36—34.)



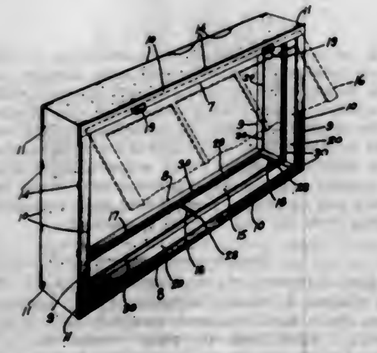
1. The combination with a shoe having a heel, of anti-friction means adjacent said heel at the forward end thereof, and adjacent the inner edge of said heel, said anti-friction means being substantially flush with the bottom face of said heel.

1,640,594. CONTAINER AND SEALING MEANS THEREFOR. FRANCIS R. BURGESS, Chicago, Ill., assignor to American Flange & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1927. Serial No. 172,377. 3 Claims. (Cl. 220—39.)



3. The combination with a container formed with a hole through a wall thereof and carrying screw threads surrounding said hole; of a closure plug screwed into said threads and having a flange at its outer portion which tapers; and a hood carried by the plug and embracing said flange, said flange being formed with angular portions adjacent said hood to aid in tearing the hood when a dislodging tool is applied to said flange.

1,640,595. FIREPROOF SASH FRAME. OTTO W. L. BUSS, Minneapolis, Minn. Filed Nov. 16, 1925. Serial No. 69,389. 10 Claims. (Cl. 72—09.)

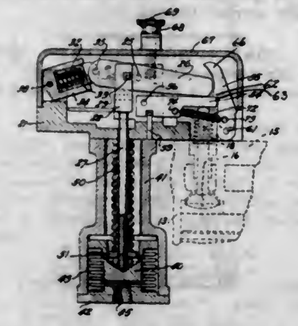


1. A sash frame including a skeleton metal frame adapted to be partially embedded in masonry, the opposed sides of said metal frame providing facings for the sash frame, and longitudinal recesses in said facings adapted to receive a sash.

1,640,596. TREATMENT OF FABRICS, PAPER, AND OTHER MATERIALS. ROBERT H. CHATHAM, Manchester, England, assignor to Celanese Corporation of America, a Corporation of Delaware. Filed July 18, 1921. Serial No. 485,650. 11 Claims. (Cl. 91—70.)

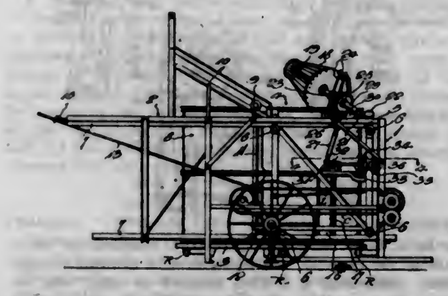
2. Process for treating paper, textile and other materials, comprising applying thereto a solution containing a precipitable organic substitution derivative of cellulose, and thereafter precipitating the cellulosic derivative thereon by water.

1,640,597. COMPRESSOR CONTROL. NIELS A. CHRISTENSEN, Cleveland, Ohio. Filed Sept. 17, 1926. Serial No. 136,158. 9 Claims. (Cl. 230—24.)



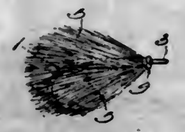
1. In a compressor control, the combination with a compressor and the system supplied thereby, said compressor having a valve controlling passage to atmosphere, of mechanism for controlling the operation of said valve while the compressor is running, comprising a pair of latches lockingly engageable with each other to hold said valve open, a hammer member for moving said latches to locked position to hold said valve open under conditions of maximum pressure in said system to prevent said compressor from functioning and for releasing said latches under conditions of minimum pressure in said system to permit said compressor to function, means, responsive to pressure changes in said system, for moving said hammer member including a member having lost motion connection with said hammer member, and a single spring associated with said hammer member to impart a quick throw thereto upon the occurrence of maximum or minimum pressure conditions in said system.

1,640,598. SHOCKER. CHRISTIAN CHRISTIANSEN, Sioux Falls, S. Dak., assignor to New Way Harvester Company, Sioux Falls, S. Dak. Filed Oct. 13, 1922. Serial No. 594,319. 13 Claims. (Cl. 561—402.)



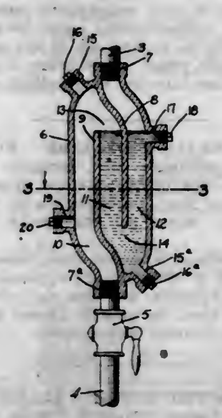
4. In a grain shocker, the combination of a frame structure having upstanding side frames, a rearwardly movable receiver mounted between said side frames and having a front section and a rearwardly and upwardly swinging rear section, a pair of guides on the rear ends of said side frames at the upper portions thereof, and a pair of rods received slidably in said guides, said rods declining forwardly and being pivoted at their front ends to the front section of the receiver, said rods forming guides for said rear receiver section during swinging of the latter.

1,640,599. PROCESS OF MANUFACTURING FISH LURES. RAY H. CONN, Winamac, Ind. Filed Apr. 2, 1925. Serial No. 20,269. 4 Claims. (Cl. 43—48.)



1. A process of forming a fish lure having a mass of filaments all extending longitudinally of the lure, consisting in securing a multiplicity of flexible filaments to a strand in transverse relation to the latter with the filaments projecting in opposite directions only from the strand, wrapping the strand and filaments around a body and holding the strand against twisting while performing the wrapping operation, and securing the free end of the strand to the body.

1,640,600. GAUGE TRAP. RALPH H. CROSBY, Minneapolis, Minn., assignor to American Plumbing & Heating Company, Minneapolis, Minn., a Corporation of Minnesota. Filed June 20, 1924. Serial No. 721,268. 5 Claims. (Cl. 73—31.)

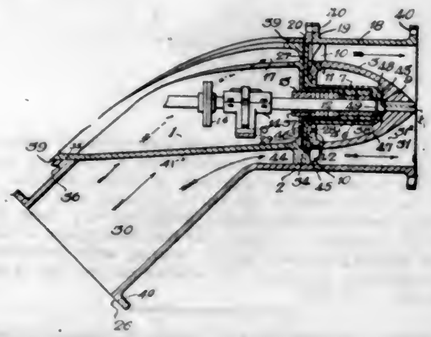


1. A gauge trap comprising a casing having similar attaching means at either end whereby either end may be attached to the same connection, overlapping walls dividing the interior of said casing into communicating upwardly and downwardly extending passages, thus forming reverse traps, said casing having a test gauge opening in communication with said passage on a level with the upper edge of a wall whereby when said trap is used as a gauge trap, an additional test gauge may be attached to the trap.

1,640,601. AXIAL-FLOW PUMP OR TURBINE. EUGENE F. DELERY, New Orleans, La. Filed June 8, 1923. Serial No. 644,256. 2 Claims. (Cl. 103—89.)

1. In combination, in a pump of the type described, a casing having an elbow portion, a central directing body in the casing, the directing body tapering from a wedge

shape form, where it intersects the suction elbow to a cylindrical form, a shaft extending through the directing body and into the casing, a hollow rotatable discharge impeller cone attached at its forward end to the shaft, impeller blades on the other end of the cone, a bearing for the shaft, placed within the hollow impeller cone at a point between the discharge edge of the impeller blades and the point at which the cone is attached to the shaft, means providing communication between the discharge side of the impeller and the interior of the impeller cone, said shaft being formed with an annular groove, and communicating means between the annular groove and the suction side of the impeller.

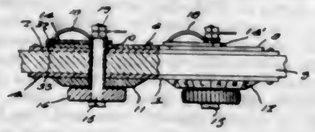


2. In combination, in a pump of the type described, a hollow rotatable cone, impeller blades on the cone, means for communication between the pump discharge chamber and the interior of the hollow cone whereby pressure within the cone is made substantially equal to the discharge pressure, communicating means between the pressure chamber and the suction side of the impeller, a central directing body wedge shaped where it intersects the suction elbow and tapering to a cylindrical form next the impeller.

1,640,602. HYDRATION OF LIME. HIPPOLYT DITTLINGER, New Braunfels, Tex., assignor, by mesne assignments, to The Dittlinger Crow Process Company, New Braunfels, Tex., a Corporation of Texas. Filed Nov. 5, 1923. Serial No. 672,799. 3 Claims. (Cl. 23—189.)

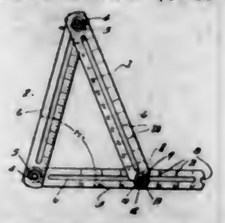
1. A dry powdered hydrated lime formed by slaking quick-lime with a solution of a plasticity-increasing reagent which hydrated lime has no greater apparent specific gravity than the product formed by slaking the same quick-lime without said reagent.

1,640,603. ELECTRIC BURGLAR ALARM FOR MOTOR VEHICLES. LAURENCE HADDOW, Colmor, N. Mex. Filed Dec. 12, 1925. Serial No. 75,065. 1 Claim. (Cl. 200—43.)



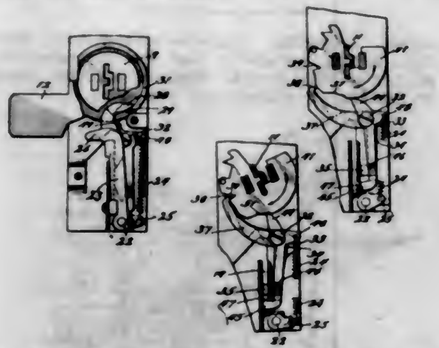
A switch comprising a pair of plates adapted to be secured on opposite sides of an automobile dashboard, a contact plate supported on one of the aforementioned plates, a sleeve of non-conductive material extending through the dashboard and through the first mentioned pair of plates, and also through the contact plate, a strip of non-conductive material secured on the inner end of the sleeve and adapted to cover a portion of the contact plate, said contact plate being provided with a series of spaced annular depressions in the outer face thereof, a projection formed on the bottom face of the insulated strip adapted for cooperation with said depression for holding the strip in any adjusted position, a dial member secured on the outer end of the sleeve and adapted for rotation therewith, a rotatable spindle extending longitudinally through the sleeve, a spring contact finger carried by the inner end of the spindle and normally adapted to rest on the insulated strip, and a knob on the outer end of the spindle for actuating the same whereby the spring contact finger may be moved out of engagement with the insulated strip and into engagement with the contact plate, and a pointer element carried by the knob and cooperating with the dial for indicating the positions of the spindle and the spring contact finger carried, thereby.

1,640,604. COMBINATION SQUARE. ROBERT W. HAUBER, Bremerton, Wash. Filed Sept. 17, 1923. Serial No. 663,299. 1 Claim. (Cl. 33—105.)



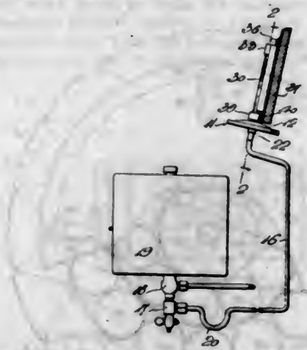
A device of the character described comprising three rule sections having ends pivotally connected whereby the sections may be folded one upon the other or moved to different positions of adjustment between such folded relation and co-extensive relation; each of said sections being provided with a longitudinally extending slot and the outer ends of the outer sections being provided with notches, a clamping device applicable to the slots of said sections and adjustable therealong and adapted to receive the notched ends of the outer sections thereagainst; said clamping device comprising a tightening nut whereby the end of said sections may be held.

1,640,605. COIN-CONTROLLED LOCK. HARVEY L. JOHNSON, Chicago, Ill., assignor to American Locker Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 15, 1923, Serial No. 657,480. Renewed July 14, 1927. 12 Claims. (Cl. 194—92.)



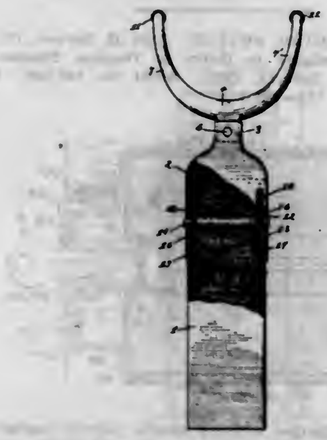
1. In a coin controlled lock, the combination of a rotatable key cylinder, a coin receiver, a cylinder locking member comprising a portion adapted to enter said receiver and a portion adapted to lockingly engage said cylinder, and means for yieldingly urging said member into locking position, the presence of a coin in said receiver being adapted to render said member inoperative.

1,640,606. LIQUID-LEVEL GAUGE. BAYAN P. JOYCE, Davenport, Iowa. Filed Nov. 5, 1925. Serial No. 67,140. 7 Claims. (Cl. 73—110.)



1. In a gauge, a casing having a short upstanding collar, a gauge glass whose lower end only is fluid-tightly and securely mounted in said collar, said gauge glass communicating with the interior of said casing, and a support having a clamp surrounding and holding said collar to thereby support both the casing and the gauge glass.

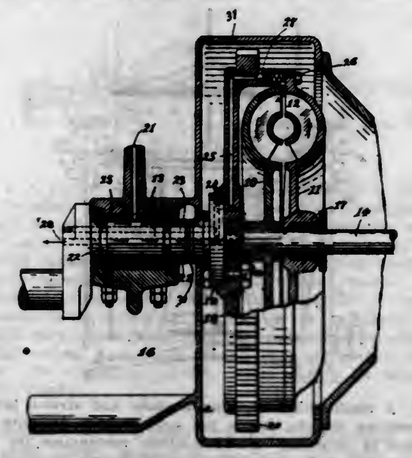
1,640,607. DENTAL-FLOSS HOLDER. CLYDE KITLEY, Berkeley, Calif. Filed June 7, 1926. Serial No. 114,180. 6 Claims. (Cl. 132—92.)



1. A dental floss holder comprising a handle arranged to receive a spool of dental floss; a pair of prongs secured to the end of the handle, one of said prongs having a longitudinal passage extending therethrough to guide a strand of the floss from the spool to the end of said prong, and the other prong having means formed thereon for engaging the end of said strand; and means mounted within the handle for tightening the strand across the ends of the prongs whereby said strand may be inserted between the teeth of a user.

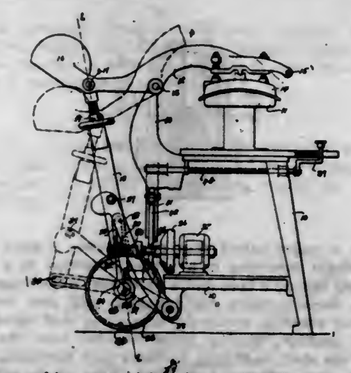
1,640,608. HYDRAULIC POWER TRANSMITTER. GUSTAV A. KLIMEK, East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 6, 1925. Serial No. 7,210. 11 Claims. (Cl. 60—54.)

1. A hydraulic power transmitter having rotary driving and driven members provided with fluid passages, a fluid chamber including said passages, a shaft connected to one of said members, a bearing for said shaft, and connections between said bearing and the interior of said chamber for conducting oil from one to the other, said oil serving as the operating fluid for said transmitter, and for lubricating said bearing.



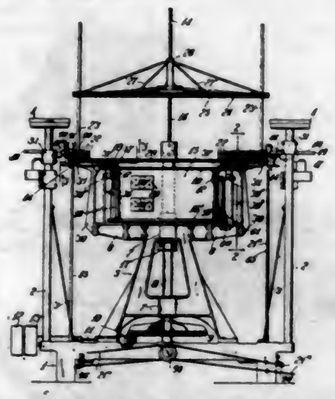
6. In combination an internal combustion engine having a lubricating system, a hydraulic power transmitter coupled to said engine, and means for conducting oil from said lubricating system to the interior of said transmitter to serve as the drive fluid of the latter.

1,640,609. POWER PRESS. JAMES C. LEDBETTER, Brooklyn, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,593. 6 Claims. (Cl. 192—138.)



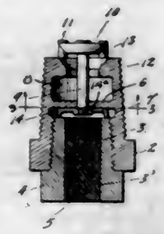
8. A machine comprising in combination, cooperating pressing members, a pivotal press lever carrying a pressing head on one end thereof adapted to be manually closed, a swing link pivotally suspended on the other end thereof, a thrust link having a lost motion connection with the lower end of the swing link, motor means supporting the thrust link and adapted to push upwardly thereon, an overbalancing means operating on the press lever to open the press when the operator removes his hand from said lever, a manually operable control handle by which the operator sets the motor means in operation with one hand while he holds the press closed with the other hand, and means which breaks the swing link and thrust link away from straight line only when the motor means is not functioning and when the overbalancing means is functioning.

1,640,610. REED-WEAVING MACHINE. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1925. Serial No. 50,230. 25 Claims. (Cl. 139—14.)



1. A machine for weaving a stake and strand fabric embodying therein, means for supporting a plurality of stakes in arcuately spaced relation, mechanism for rotating said stake supporting means, devices actuated in the rotative movement of said means for projecting alternate stakes out of their normal plane, means for laying a filler strand over and under said stakes, and means actuated by said rotative stake supporting means for successively projecting the same stake out of its normal plane so that a plurality of successive courses of filler strand is laid on the same side of said stake.

1,640,611. FUSIBLE BOILER-CHECK PLUG. JAMES A. MASCHO, Dallas, Tex. Filed Apr. 30, 1925. Serial No. 26,842. 5 Claims. (Cl. 122—504.1.)

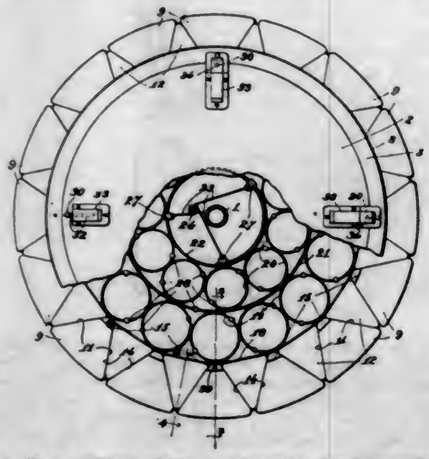


1. In a boiler safety fuse plug device, a shell screw-threaded for inserting in a vertical position in a boiler, said shell having a bore and a valve seat at the upper end of said bore, a valve for engaging said seat normally supported above it, means for supporting said valve in its normal position, a plug screw-threaded into the lower end of the shell, said plug having a bore extending therethrough, and a fusible core in the bore of the plug, the plug carrying means for supporting the valve in its normal position after the core has melted.

1,640,612. PROCESS FOR THE RECOVERY OF PULP FROM PRINTED WASTE PAPER. ERNEST THEODORE MCGREGOR, Vancouver, British Columbia, Canada. Filed June 21, 1926. Serial No. 117,570. 7 Claims. (Cl. 92—3.)

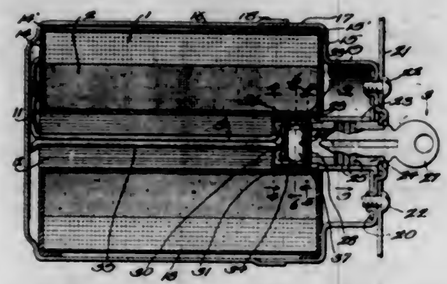
1. In a process for the recovery of pulp from printed waste papers by treating the said papers in a trisodium phosphate, (Na_3PO_4) solution, the said solution being kept cool, then pulping, beating, unknotting and washing in clear, fresh, cold water whereby the pulp is freed of all impurities.

1,640,613. RESILIENT WHEEL. LAWRENCE PAXTON MILLER, Philadelphia, Pa. Filed Feb. 21, 1927. Serial No. 169,846. 18 Claims. (Cl. 152—29.)



1. In a resilient wheel, a deformable tread comprising a series of oppositely disposed alternately arranged movable wedge blocks, and means for exerting yielding pressure normally tending to force said blocks outwardly, substantially as described.

1,640,614. ELECTRIC SWITCH. JOHN H. NELSON, Chicago, Ill., assignor to Harry A. Douglas, Bronson, Mich. Filed Feb. 18, 1927. Serial No. 169,348. 8 Claims. (Cl. 175—361.)

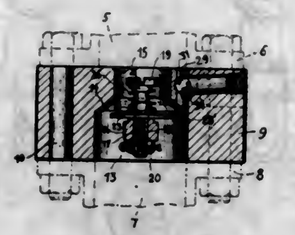


1. The combination with an electric current conducting winding tubular in form; spaced apart electric current conducting contacts placed abreast on opposite sides of the bore of said winding; a connector in the zone of said contacts and comprising two electrically connected contacts in telescoping relation and a spring pressing these contacts outwardly from each other, said connector being adapted to turn with respect to and into engagement with the aforesaid contacts and out of connection therewith; and a locking structure in controlling relation to said connector.

1,640,615. LIMIT GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. GUSTAVE NIEDEREHE and WILLIAM E. LAWRENCE, Brooklyn, N. Y. Filed Apr. 17, 1924. Serial No. 707,132. 2 Claims. (Cl. 137—152.)

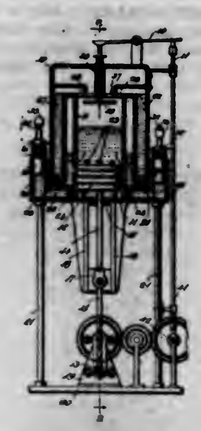
1. A device automatically regulating the volume of the gas mixture supplied to the motor of an automobile, said device being adapted to be interposed between the carburetor and the intake manifold of the engine and consisting of a body having a passageway tapering inwardly

in its upper part to end in a reduced channel, a screw adjustably supported centrally of said passageway, a spring pressed disk-shaped valve slidably mounted on said screw so as to choke the cross-sectional area of the inwardly tapered region, a vertically disposed by-pass communicating with the passageway below and above the tapering portion of the same and provided in its wall



with a valve seat, a slightly upwardly inclined straight channel, positioned lengthwise of the automobile with its highest closed end to the rear, and branching off the by-pass above the tapering portion, and closed at its outer end, and a gravity influenced rolling valve within the side channel adapted to normally rest in its seat to close the by-pass.

1,640,616. FLUID ENGINE. ALBA R. D. REESE, Bisbee, Ariz. Filed Dec. 24, 1925, Serial No. 77,548. Renewed Jan. 27, 1927. 5 Claims. (Cl. 60—52.)



1. A fluid engine comprising a master cylinder and a master piston therein, a crank shaft and connecting means between the same and the master piston, a fluid reservoir surrounding the master cylinder, a plurality of force pumps in valved communication with said fluid reservoir and said master cylinder, means independent of said crank shaft for operating said pumps to inject fluid into the master cylinder to operate the master piston, and fluid exhaust means from said cylinder to said fluid reservoir, including valve means synchronized with the crank shaft.

4. In a fluid engine, a cylinder having main exhaust portage in its head and an inwardly opening valve therefor, said cylinder also having additional exhaust ports through its wall adjacent said head, and spring-pressed valve means for said additional ports, said spring-pressed valve means being carried by said first named valve and slidably engaging said cylinder wall.

1,640,617. DRY BATTERY. EDWIN J. REICH, Brooklyn, N. Y., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y., a Corporation of New York. Filed May 22, 1923. Serial No. 640,690. 4 Claims. (Cl. 136—135.)



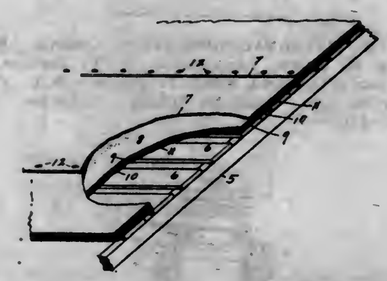
1. A battery having a metal casing pierced to receive a terminal, a binding post having a shank adapted to pass through the aperture in the casing, insulating washers on the shank and facing respectively the outside and inside casing wall, said shank being spread to rivet the parts together and being of non-circular contour, the aperture in one of the washers through which the shank passes being shaped to the contour of the latter, together with means for holding said washer against angular displacement, said means consisting of a rivet held member, the insulating washer being notched to straddle said member.

1,640,618. PNEUMATIC CUSHION, MATTRESS, AND THE LIKE. ROBERT W. SAMPSON, New York, N. Y., assignor to Sampson Martin Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1925, Serial No. 25,181. Renewed Dec. 30, 1926. 7 Claims. (Cl. 155—179.)



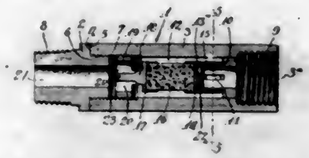
1. A pneumatic cushion, embodying a hollow, inflatable marginal supporting rim, and a hollow, inflatable seat portion having its bottom supported by the rim above the plane of the bottom of said rim.

1,640,619. ROOFING. CHARLES W. SCOGGIN, Indianapolis, Ind., assignor of one-half to Niels Nissen, Indianapolis, Ind. Filed July 9, 1926. Serial No. 121,457. 3 Claims. (Cl. 108—9.)



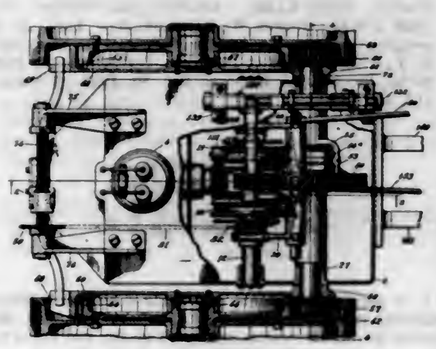
1. In a roof, an outer water-proofed layer of prepared roofing, a support to which it is nailed having depressions horizontally across the roof forming shoulders with sharp corners and a cushion between the first two comprising corrugated straw-board having air spaces in the corrugations.

1,640,620. GOVERNOR FOR PRESSURE-FLUID-OPERATED TOOLS. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Aug. 29, 1925. Serial No. 53,241. 5 Claims. (Cl. 137—153.)



4. A governor of the character described having, in combination, a casing and a longitudinally resilient cork mounted therein and carrying a valve to control the flow of fluid through the casing.

1,640,621. TRACTOR. WILLIAM F. SMITH, Brooklyn, N. Y., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Filed Dec. 7, 1921. Serial No. 520,703. 17 Claims. (Cl. 180—41.)



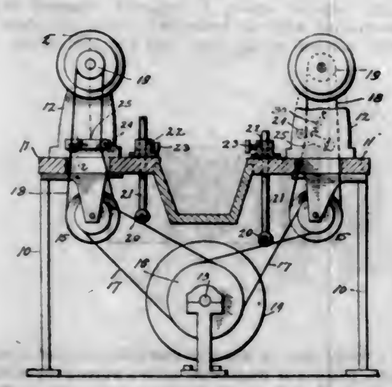
2. In a tractor, two wheels, forward and backward driving means therefor, mechanism controlled by the forward driving means for raising one wheel, and mechanism controlled by the backward driving means for raising the other wheel.

1,640,622. INTERNAL-COMBUSTION ENGINE. WILLIAM F. SMITH, Poughkeepsie, N. Y., assignor of one-half to Herman A. Schatz, Poughkeepsie, N. Y. Filed May 23, 1924. Serial No. 715,338. 12 Claims. (Cl. 123—171.)



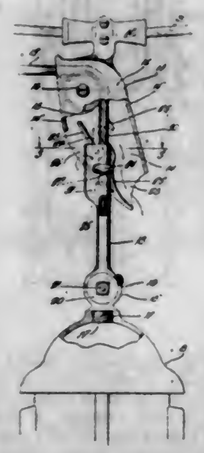
1. In a gasoline engine, a cylinder having cooling fins, a cylinder head having cooling fins and in contact with said cylinder, and screws for holding said head on said cylinder the longitudinal axes of which are at substantially right angles to the vertical axis of said cylinder.

1,640,623. BELT TIGHTENER. SAMUEL F. STEIN, Williamsport, Pa. Filed Jan. 5, 1918. Serial No. 210,453. 4 Claims. (Cl. 74—21.)



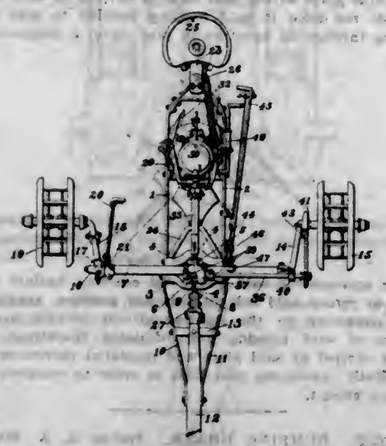
2. The combination of a sewing machine table, a sewing machine mounted thereon, a main driving shaft below the table, a transmitter belted to said driving shaft, and means for transmitting power from the transmitter to the sewing machine, a belt tightener extending from below the table and reaching above the table through the table top.

1,640,624. SAFETY PULLEY. ALWIN G. STEINMAYER, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1926. Serial No. 88,467. 2 Claims. (Cl. 240—63.)



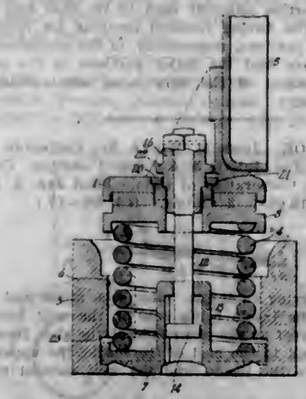
1. In a device of the class described, a housing having openings therein, guides formed on the inside walls of the housing and cooperating with the openings to form an entrance and an exit, a pulley mounted in the housing, a flexible member trained thereover, a fixture carrying member secured to one end of the flexible member, an annular enlargement on the fixture carrying member adapted to, when drawn up by the flexible member, engage the guides, and a lateral projection on the fixture carrying member for aligning the fixture in a predetermined relation with the housing.

1,640,625. LISTER PLOW AND PLANTER. CARL G. STRANDLUND, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 19, 1920. Serial No. 397,202. 11 Claims. (Cl. 111—68.)



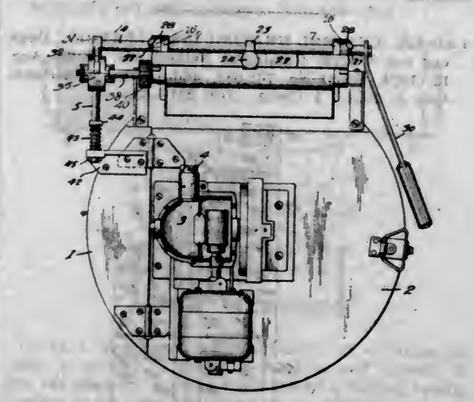
1. The combination of the main frame, the seeder having positively actuated seed-delivering mechanism, the furrow opening plow, the seeder and the plow being mounted for vertical adjustment relatively to the main frame, the transverely positioned wheel-carrying frame arranged to rock around a longitudinal axis relatively to the main frame, the power transmitter for the seeder positioned in the vertical plane of the said axis and having its power-receiving end at the central part of the traverse wheel frame, and power devices extending from said transmitter to one of the wheels and arranged to be operated uniformly irrespective of the positions, vertically, of said wheels relative to the seeder.

1,640,626. BOGIE FOR RAILWAY CARS AND THE LIKE. CARL ALFRED SVENSSON, Falun, Sweden. Filed Apr. 26, 1927, Serial No. 186,665, and in Sweden May 3, 1926. 1 Claim. (Cl. 105—194.)



In bogies for railway cars and the like, the combination of a spring, a spring holder, a washer placed in a recess in the said spring holder, a bolt serving to compress the said spring, a nut screwed on to the said bolt, said nut having a flange bearing on the said washer, and a bottom washer supporting the spring and fitting with its edge in the beam, substantially as and for the purpose set forth.

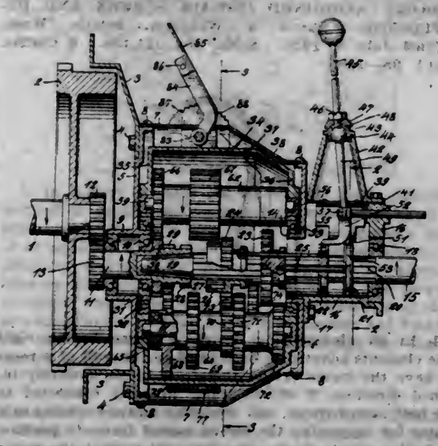
1,640,627. WRINGER. LOUIS SWENINGSON, Cleveland, Ohio. Filed Apr. 24, 1925. Serial No. 25,482. 13 Claims. (Cl. 68—32.)



1. A wringer comprising a pair of supports, a roll journaled between said supports, a rod journaled in said supports, a pair of brackets carried by said rod, a roll journaled between said brackets, means for rotating said rod to move the last mentioned roll toward the first mentioned roll, spring means connected with said brackets and rod for providing a resilient support for said last mentioned roll, and means for rotating said rolls.

2. A wringer comprising a pair of supports, a roll journaled between said supports, a rod journaled in said supports, a pair of brackets carried by said rod, a roll journaled between said brackets, means for rotating said rod to move the last mentioned roll toward the first mentioned roll, and means rendered operative by movement of said rod for rotating said rolls.

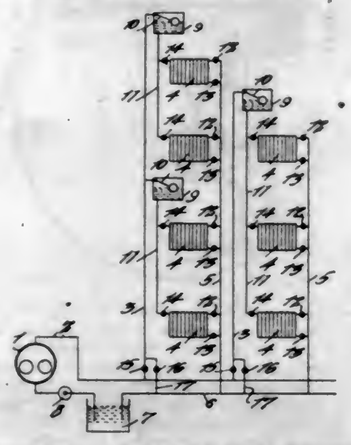
1,640,628. TRANSMISSION-GEAR SET. IRA OTIS THORLEY, Denver, Colo. Filed Dec. 13, 1926. Serial No. 154,400. 14 Claims. (Cl. 74—34.)



1. A transmission gear set having aligned, relatively rotatable driving and driven shafts, a drum mounted for rotation about the common axis of said shafts, a countershaft carried by said drum, said countershaft being spaced from and parallel with the axis of rotation, a plurality of gears nonrotatably secured to the countershaft, a gear secured to the driving shaft and operatively connected with one of the gears on the countershaft, two gears slidably connected with the driven shaft, means for selectively

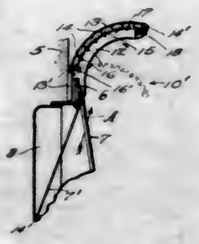
moving said gears into mesh with a cooperating gear on the countershaft and means for locking the drum against rotation.

1,640,629. CENTRAL HEATING INSTALLATION. DERK VAN DER WOUDE, Groningen, Netherlands. Filed Aug. 12, 1924. Serial No. 731,688, and in the Netherlands June 3, 1924. 1 Claim. (Cl. 237—63.)



A central water heating installation comprising radiators, an open reservoir placed below certain of said radiators, a radiator return pipe opening into said reservoir, a water pump, a pipe leading from the open reservoir to the suction side of said pump, chambers elevated with respect to the radiators which they serve, pipes leading from the pressure side of the pump to said chambers, pipes leading from each chamber to the corresponding radiators below, means for heating the water fed by the pump to the radiators, and means to maintain a substantially constant level in each chamber.

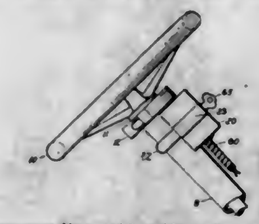
1,640,630. COMBINED HOT-AIR SCREEN AND DEFLECTOR. FRANK A. WALLOCH, Seattle, Wash. Filed July 8, 1926. Serial No. 121,158. 6 Claims. (Cl. 98—108.)



1. In an air-screening device, a frame having rigid side elements adapted to be secured to the wall of a room to have the frame extend therefrom in an upwardly inclined direction, a second frame hingedly connected to the first named frame, and releasable means engaging said frame for supporting the second named frame in position to hold a sheet of screening material against the under side of the first named frame.

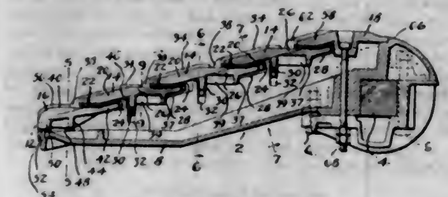
1,640,631. AUTOMOBILE LOCK. ROBERT G. WEISSEL, Oakland, Calif. Filed Dec. 22, 1924. Serial No. 757,347. 1 Claim. (Cl. 70—127.)

An automobile steering wheel lock comprising a collar attached to the steering wheel, a housing adjacent said collar attached to the steering wheel column, a locking bolt extending through said housing and adapted to be manually pushed to locking position with said collar, a spring operated latch cooperating with said bolt to hold it in locked position, means for releasing said latch, a transverse plate within said housing carried by said bolt, a guide rod fixed in said housing parallel to said bolt passing through an aperture in said plate, a compression



spring surrounding said guide rod reacting against said plate to return said bolt to unlocked position, separated clips connected to the ignition circuit located in the bottom of said housing and insulated therefrom and means carried by said plate and insulated therefrom for electrically connecting said clips in order to complete the ignition circuit.

1,640,632. DUMPING GRATE. SIGURD J. A. WIEBE, East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 5, 1925. Serial No. 6,957. 9 Claims. (Cl. 110—33.)



1. A dump grate of the class described having, in combination, a frame having longitudinal side walls vertically arranged, and grate bars mounted at their ends on the top longitudinal edges of said side walls and arranged in overlapping relation, each of said bars having a depending portion adjacent each of its ends and each of the side walls having recessed portions for receiving said depending portions, respectively, of the corresponding ends of the bars, and the major portions of the refuse supporting surfaces of the bars being substantially in the same plane.

1,640,633. SHOE. JOHN M. WILKE, Sr., Covington, Ky., assignor to The Julian & Kokenge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 2, 1923. Serial No. 610,088. 2 Claims. (Cl. 36—17.)

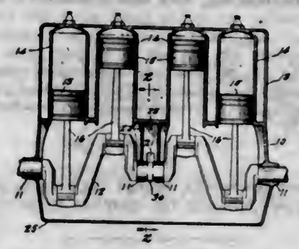


1. A shoe having an insole, outer sole, upper and welt, the body of the insole being free of the welt and the sewing rib thereof at the inner side of the shoe from the break of the ball to the heel of the insole, the upper and welt secured to the insole, and the welt secured to the outer sole.

1,640,634. INTERNAL-COMBUSTION ENGINE. KARL M. WISE, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Mar. 18, 1927. Serial No. 176,535. 12 Claims. (Cl. 123—192.)

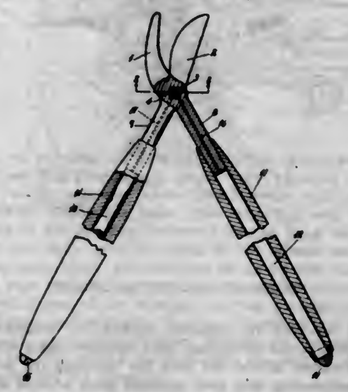
1. In combination with an internal combustion engine and its supporting means, a vibratory mass supported by

said engine having a natural period of vibration approximately equal to the natural period of vibration of said



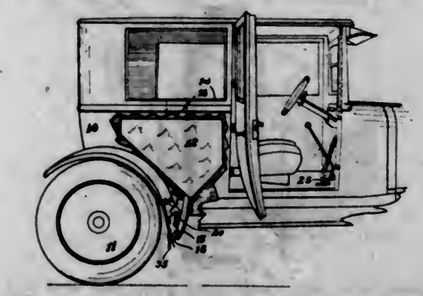
supporting means, or a harmonic thereof, and means for imparting vibratory impulses to said mass in direct proportion to the speed of said engine.

1,640,635. PRUNING SHEARS. HENRY W. ATKINS, Oakland, Calif. Filed Oct. 27, 1924. Serial No. 746,120. 4 Claims. (Cl. 47—57.)



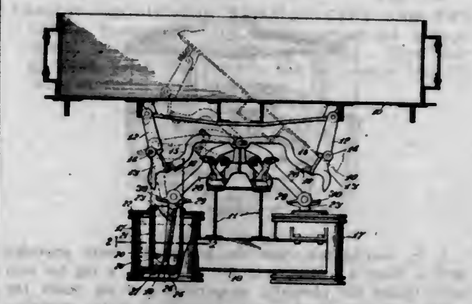
1. Pruning shears comprising a hook and a knife, a pin extending through said hook and knife to pivot them together, shanks extending from said hook and said knife, hollow handles secured to said shanks, said shanks having ducts formed therein, extending from said hollow handles to said pivot pin.

1,640,636. SAND DISTRIBUTOR. THOMAS EDWARD BARTON, Toronto, Ontario, Canada. Filed Feb. 2, 1927. Serial No. 165,415. 2 Claims. (Cl. 291—28.)



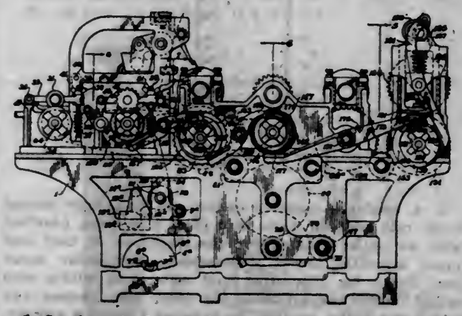
1. In a sand distributor of the class described the combination with the body of an automobile, of a sandbox disposed between the inner and outer wall partitions of the body in the vicinity of the road driving wheels, and a fill opening having external communication with respect to the wall.

1,640,637. DUMP CAR. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Feb. 7, 1924. Serial No. 691,188. 5 Claims. (Cl. 105—27.)



1. In a dump car, the combination of a tilting car body, a cylinder, a piston movable in said cylinder to tilt the car body, a plunger bar having a rocking bearing surface at its lower end seated on the piston, means connected with the upper end of said bar for rocking it on the piston into position to operatively engage the car body when the said piston moves upwardly, and means for normally maintaining said bar and piston in operative connection with each other.

1,640,638. MEANS AND METHOD FOR MAKING PAPER BOXES AND THE LIKE. SAMUEL BERGSTEIN and ARTHUR C. E. LINDNER, Middletown, Ohio, assignors to The Interstate Folding Box Company, Middletown, Ohio. Filed Nov. 11, 1925. Serial No. 68,458. 11 Claims. (Cl. 93—36.)



1. In the art of paper box making the herein described method of production consisting in causing a sheet of paper to be moved in a given plane in causing a strip of an adhesive element to move in a plane parallel to the plane of movement of the sheet, in causing adhesion between said element and sheet incident to the forward movement thereof, in cutting a box blank from said sheet according to the position of the tape thereon and forming the box by effecting adhesive joints through the instrumentality of said element.

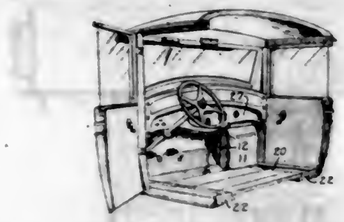
1,640,639. MANUFACTURE OF BORNEOL ESTERS. HENRI BLUM, Mulhouse, France, assignor to Société Alsacienne de Produits Chimiques, Paris, France. Filed Mar. 18, 1925, Serial No. 16,581, and in France Mar. 28, 1924. 2 Claims. (Cl. 260—99.)

2. As new articles of manufacture, the borneol esters obtained by condensing pinene with an acid of the type

COOH—R—CO—R',

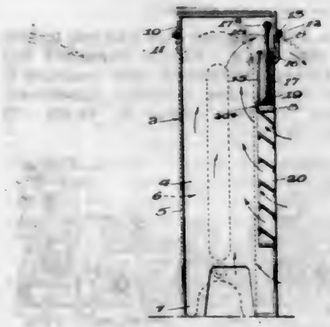
wherein R and R' represent aromatic nuclei, said borneol esters being easily saponifiable by aqueous soda solution.

1,640,640. BODY CONSTRUCTION. JOSEPH H. BOURDON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed June 21, 1926. Serial No. 117,413. 5 Claims. (Cl. 96—65.)



5. In combination with an automobile body provided with a floor, a folding seat for said body, a leg for said seat, means for pivotally supporting said leg below the surface of said floor, a slot in said floor for receiving said leg when said leg is in folded position, and a plate movable by said leg closing said slot when said leg is in upright position.

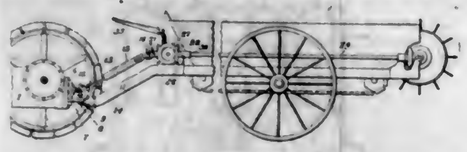
1,640,641. AIR-CLEANSING HUMIDIFIER. WALTER JUDD BRIDGES, Two Rivers, Wis. Filed May 22, 1926. Serial No. 111,075. 3 Claims. (Cl. 257—138.)



2. A combined radiator casing and humidifier having front, rear and end walls, said front wall being provided with an outlet opening for the discharge of heat and vapor saturated air, a substantially rectangular water pan, means for supporting said water pan within said casing in flat contact with the front wall thereof and below said outlet opening, an inverted U-shaped supporting rod removably positioned in said pan, means whereby the legs of said inverted U-shaped supporting rod will be held against swinging movement and in close proximity to the front wall of said pan, said inverted U-shaped rod having its bight portion located above the upper edge of said pan and above the plane of said opening, an absorbent screen supported upon the bight portion of said U-shaped supporting rod and depending into said pan, the width of said screen being co-extensive with the width of said opening, and said inverted U-shaped supporting rod serving to hold said screen against the front walls of said pan.

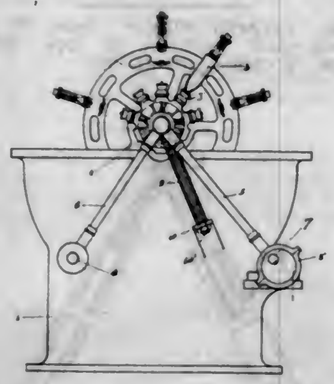
1,640,642. TRACTOR HITCH. THEOPHILUS BROWN, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 19, 1920, Serial No. 367,133. Renewed July 18, 1923. 8 Claims. (Cl. 180—14.)

1. In combination with a tractor, an agricultural machine having operative mechanism, a shaft on the tractor rotatable by power from the motor thereof to actuate the tractor wheels and extending to the rear of the tractor, a housing on the rear of the tractor, a pinion on the rear of said shaft within the housing, a gear journaled in the housing and meshing with said pinion and having its



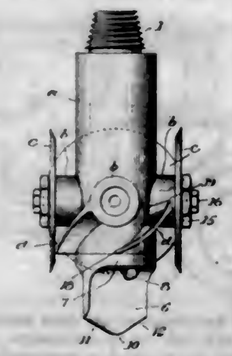
hub extended rearwardly through the housing, and means connecting said hub with the operative mechanism of said machine.

1,640,643. BOTTLE-WASHING MACHINE. JOSEPH BRUSSON, Liege, Belgium. Filed July 17, 1924. Serial No. 726,626. 1 Claim. (Cl. 141—7.)



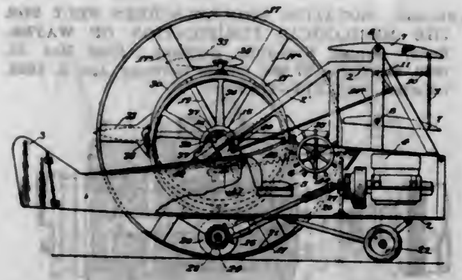
In a machine for washing bottles, in combination, a tank, projections extending from opposite sides thereof, a disc arranged within the tank for carrying the bottles, a shaft supporting said disc, opposed pairs of rods arranged on both sides of the tank and adapted to impart an oscillatory movement to the shaft as well as the disc, and expansion springs arranged between one set of said rods and the projections for absorbing shocks produced by the oscillation of the bottle carrying disc.

1,640,644. DRILLING TOOL. STEVE BULLUM, Fellows, Calif. Filed Dec. 15, 1922. Serial No. 607,164. 3 Claims. (Cl. 255—61.)



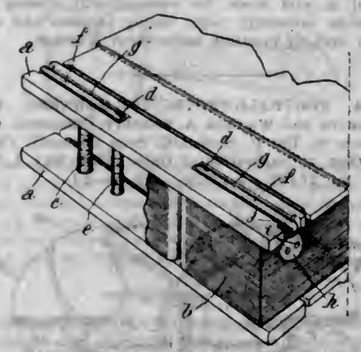
1. In a rotary drill, an annular body formed at one end with a screw-threaded shank, the other end of said body being adapted to receive a diamond point bit, and said diamond point bit; said diamond point bit being formed with circulation openings permitting communication with the opening in said body and exterior of the diamond point bit, there being a disc bit spaced from the curved periphery of the annular body above the diamond point bit with the axis of the disc bit intersecting at a substantially right angle the axis of the body, and a spiral vane associated with the body and confined in the space included between said disc bit and the periphery of the body.

1,640,645. AEROPLANE. JONATHAN E. CALDWELL, Santa Monica, Calif. Filed Feb. 8, 1923, Serial No. 617,746. Renewed Dec. 29, 1926. 4 Claims. (Cl. 244—13.)



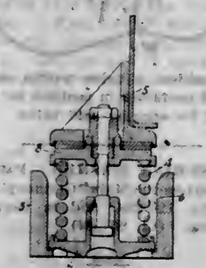
1. In an aeroplane, a fuselage, suitable frame work for supporting the fuselage, a main axle mounted in the frame work across and above the fuselage and near its longitudinal center, the main axle extending well beyond the sides of the fuselage, wheels mounted upon the outer ends of the main axle, the rims of the wheels extending some distance below the fuselage so as to rest upon the ground and support the fuselage, an engine mounted in the forward end of the fuselage, driving pinions mounted in the frame and engaging the inner faces of the rims of the wheels, and transmission mechanism between the pinions and the engine so that when the engine operates the wheels will be operated.

1,640,646. LOOSE-LEAF BINDER. HENRI EUGÈNE DÉSIRÉ COGERY and CLAUDE FRANCOIS BENOIT GEORGES BERTRAND, Paris, France. Filed Aug. 28, 1926, Serial No. 132,154, and in Belgium Aug. 31, 1925. 8 Claims. (Cl. 129—8.)



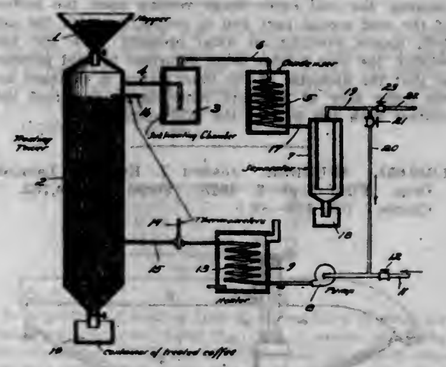
1. A loose leaf binder comprising a first cover member, a second cover member, a pin connected to said first cover member and extending into the second cover member, a pin pivotally connected to the first mentioned pin and overlying the second cover member, the second cover member having a tongue at the edge thereof and located adjacent the free end of the pivoted pin, and a locking element embodying resilient means connected to the free end of the said pivoted pin, the said locking element being adapted to detachably engage the said tongue.

1,640,647. BOGIE FOR RAILWAY CARS AND THE LIKE. THEODOR COLLIN, Falun, and LARS GUSTAF HARRY HELMSTEIN, Gottenborg, Sweden. Filed July 13, 1926, Serial No. 122,217, and in Sweden July 16, 1925. 1 Claim. (Cl. 105—194.)



In a bogie supporting device, the combination of beams having vertically extending, through-going holes, supporting springs for the bogie placed in the said holes, shoulders provided at the lower part of the said holes, said shoulders extending along a portion of the circumference of the holes, washers carried by the said shoulders and serving to support the said springs, and projections extending from the edges of the said washers and fitting in recesses in the shoulders in the hole of the beam, substantially as and for the purpose set forth.

1,640,648. METHOD OF TREATING COFFEE. ROY CROSS, Kansas City, Mo. Filed Nov. 2, 1925. Serial No. 66,192. 5 Claims. (Cl. 99—11.)

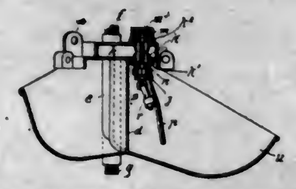


1. A process for the treatment of coffee which comprises the steps of soaking coffee with an alkaline substance, passing a heated inert gas through a body of said alkaline treated coffee, separating the caffeine in a circulating stage and the water and volatile oils in a separating stage, and recycling the uncondensed material through the coffee undergoing treatment.

1,640,649. WATERING APPARATUS FOR CATTLE. KARL DICKOW, Gorlitz, Germany. Filed May 4, 1925, Serial No. 27,950, and in Germany May 23, 1924. 3 Claims. (Cl. 119—75.)

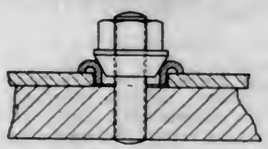
1. An apparatus for watering cattle, comprising a container, a conduit for supplying water to said container, a tubular valve casing passed through said conduit and through opposite walls thereof and communicating with said container, said casing being formed at one end with a collar bearing on the outer face of the adjacent

wall and at its opposite end with screw-threads, a cap-screw screwing on the threaded end of said casing and bearing on the adjacent wall of said conduit for clamping



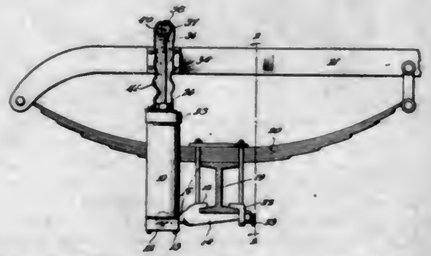
said casing in position, a valve within said casing, and means within said container in position for being operated by the cattle and for opening said valve.

1,640,650. PRESS-RING WASHER. PAUL GEORG EHRHARDT, Frankfort-on-the-Main, Germany. Filed July 2, 1926, Serial No. 120,224, and in Germany May 11, 1925. 11 Claims. (Cl. 85—1.)



1. The combination with a first part, and a second part connected to the first part, of a bolt passing through an opening of the said second part, this opening having a greater diameter than the diameter of the said bolt, a ring formed washer, having a J-shaped cross section, the inner flange of which has a greater length than the outer flange, the said inner flange entering into the annular space between the bolt and the wall of the said opening, the said outer flange resting upon the surface of the said second part and in connection with the said bolt, means exerting an axial pressure upon the said washer, the said washer being deformed by said pressure so that the diameter of the inner flange is enlarged and the outer face of the said inner flange is forced into contact with the wall of the said opening.

1,640,651. SNUBBER. JOSEPH I. EVEREST, Langlois, Oreg. Filed Sept. 5, 1925. Serial No. 54,763. 5 Claims. (Cl. 188—88.)

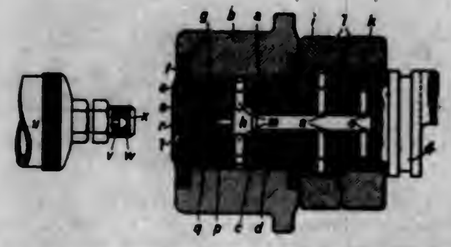


1. A snubber including a fluid cylinder, means for anchoring said cylinder, a plunger head reciprocable in the cylinder, a plunger rod extending from the plunger head through an end of the cylinder, means for anchoring said rod, the plunger head being provided with a fluid passage, and a valve freely mounted on the plunger rod and resting in closed position on the plunger head overlying the passage therethrough, said valve being provided with a restricted passage to register with the passage of the head and with a central fluid passage accommodating the plunger rod and appreciably greater than the rod in diameter.

1,640,652. PROCESS FOR THE MANUFACTURE OF PURE BARIUM CARBONATE. FERDINAND FALCO, Haspe, Germany. Filed Sept. 8, 1926, Serial No. 134,337, and in Germany Nov. 27, 1925. 3 Claims. (Cl. 23—66.)

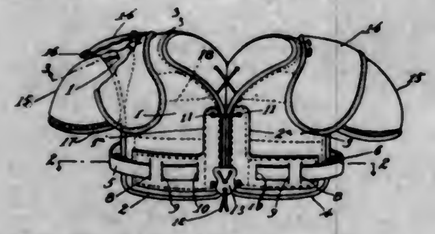
1. A process for the manufacture of barium carbonate free of sulphur compounds consisting in adding to the barium carbonate produced by precipitating a solution of barium sulphide with carbon dioxide, volatile organic reducing agents, passing at the same time some carbon dioxide into the mass and heating the mass after previous drying to some higher temperature, whereupon the foreign impurities originating as products of decomposition from the reducing agents are separated out.

1,640,653. ROTATING ENDLESS-SCREEN BELT FOR THE MECHANICAL PURIFICATION OF WATER. EUGEN GRIGER, Karlsruhe, Germany. Filed Mar. 25, 1926, Serial No. 97,394, and in Germany Apr. 2, 1925. 7 Claims. (Cl. 210—175.)



1. In a rotating endless screen belt for the mechanical purification of water, being composed of a number of screen sections, in combination with a number of frames holding said screen sections, two endless chains carrying said frames on both sides, bolts connecting together the links of said chains, guiding rollers carried by the ends of said bolts, each of said ends forming a bearing pin, a bush closed at its outer end and mounted upon said bearing pin, one of said rollers being loosely mounted upon said bush, means for preventing said roller moving outwardly and inwardly, an axial bore in said pin, transverse passages in said pin and said bush connecting said axial bore with the spaces between the contact faces of said bush and said roller, a headed screw passing through the closed end of said bush and engaging with the outer end of said axial bore, an axial bore in said screw communicating with that in said pin, and means contained in said screw for automatically closing said bore therein outwardly under spring pressure and automatically opening inwardly under outer pressure.

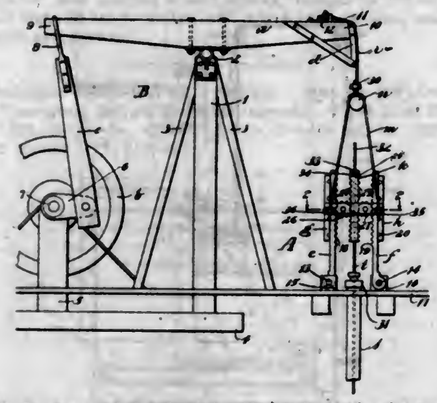
1,640,654. FOOTBALL PROTECTIVE HARNESS. HUGO GOLDSMITH and WILLIAM A. SONNETT, Cincinnati, Ohio, assignors to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 2, 1925. Serial No. 27,592. 1 Claim. (Cl. 2—2.)



In combination with an athlete's protective vest provided with means for adjusting the vest along a front opening therein, auxiliary adjustments for the sides of

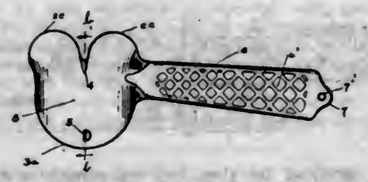
the vest comprising elastic straps secured at the back of the vest, at least one strap for each side, said straps adapted to pass under a wearer's arms, with slots on both sides in the lower front part of the vest, and at least one strap on each side inserted within the slots and interlaced therein so that sufficient widthwise surfaces of interlaced portions of the straps will lie in frictional engagement to retain the straps in adjusted position, said straps so arranged that the pulling of the straps through the slots will adjust the vest to the size of the wearer's chest.

1,640,655. MECHANICAL MOVEMENT. CLIFFORD C. HARTMAN and HENRY A. WEICHER, Los Angeles, Calif. Filed May 11, 1925. Serial No. 29,488. 2 Claims. (Cl. 74—14.)



2. In means of the character disclosed, a pair of spaced fixed rack members, guides slidable upon said fixed rack members, a pair of pinions in mesh with the teeth of the fixed rack members, and a pinion frame joined with the guides and enclosing the fixed rack members and the pinions; there being a movable rack member between the pinions.

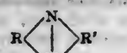
1,640,656. FRUIT PEELER. DAVID HELLER and ALEXANDER C. PARLINI, New York, N. Y. Filed May 21, 1927. Serial No. 193,161. 2 Claims. (Cl. 30—9.)



2. In a peeling device, formed of one piece of material, having a suitable handle, terminating in a curved portion having adjacent to one end of the surface a lip formed at one end at right angles and on the center line of such portion and curved lobes to deflect the removed portion, freeing and facilitating the action of the peeling instrument.

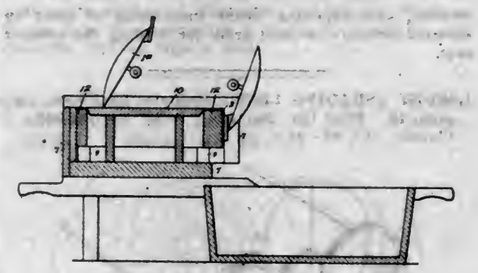
1,640,657. DYEING. WILHELM HERZBERG, Berlin-Wilmersdorf, and HEINRICH OHLENDORF, Berlin-Friedenau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Oct. 4, 1926, Serial No. 139,549, and in Germany June 9, 1925. 36 Claims. (Cl. 8—5.)

1. Process of producing dyeings consisting in treating the fibre in succession with an alkaline solution of a hydroxy-para-diazine derivative and a diazo compound, the hydroxy-para-diazine derivative being a substitution product of the para-diazine corresponding to the general formula:



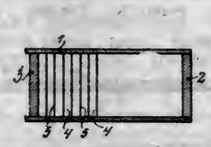
R and R' being radicles of the group including benzene and naphthalene.

1,640,658. MEANS FOR APPLYING MORTAR TO HOLLOW BRICKS. KARL ERIK WILHELM JAGDMANN, Stockholm, Sweden. Original application filed June 25, 1920, Serial No. 391,738, and in Sweden Aug. 2, 1918. Divided and this application filed June 30, 1921. Serial No. 481,703. 9 Claims. (Cl. 72—136.)



4. An apparatus to be used in applying mortar to hollow bricks by means of a trowel adapted to be moved across the surface to be covered with mortar before laying a brick, comprising a support for the brick and guides carried by said support for directing the movement of the trowel across said surface.

1,640,659. PROCESS OF MANUFACTURING FLOOR SLABS AND THE LIKE OF CORK AND SIMILAR MATERIALS. JOSEF EMANUEL JENSEN, Frederiksberg, near Copenhagen, Denmark. Filed Sept. 7, 1926, Serial No. 133,962, and in Great Britain Sept. 16, 1925. 2 Claims. (Cl. 18—48.)

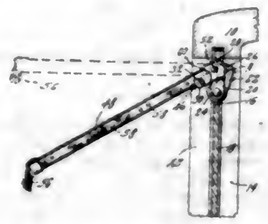


1. A process of making thin slabs or plates of granular fibrous material, comprising the steps of loosely arranging heat-conducting partitions vertically and in spaced relation in a mould; filling the spaces between the partitions with the material to be moulded; subjecting the mould to a single compression to force said partitions to move laterally toward one another therein and hereby compress the material between them; clamping the partitions and the interposed slabs or plates thus formed in compressed relation to produce a single unit; withdrawing such unit from the mold; and then subjecting it to baking heat.

1,640,660. AWNING STRUCTURE. ERNEST S. JOHNSON, Webster City, Iowa. Filed Oct. 4, 1926. Serial No. 139,301. 16 Claims. (Cl. 156—15.)

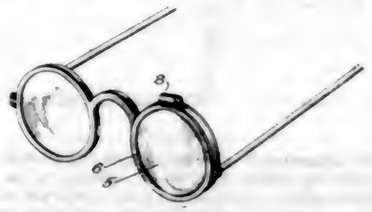
1. An awning structure comprising a pair of fittings adapted to fit against the casing of a window, side arms carried by said fittings, a tie rod connection between said fittings, means for adjusting the tie rod connection for spacing said fittings and arms different distances

apart and placing the fittings under pressure for frictionally engaging the window casing, a flexible element carried by said arms and spanning the distance there-



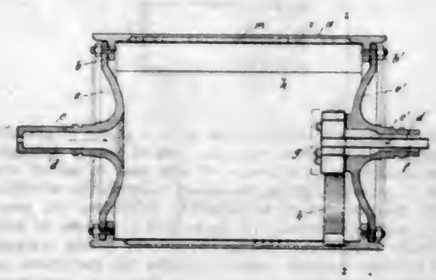
between, said adjusting means functioning to exert an outward pressure on said arms for holding the element taut.

1,640,661. SHADING LENS. MICHAEL LA ROCCO, Chicago, Ill. Filed Oct. 29, 1926. Serial No. 144,996. 3 Claims. (Cl. 88—41.)



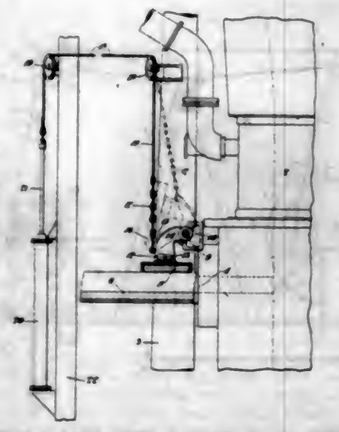
3. A shading lens comprising a transparently-colored disk, a ring in register with the same and in spaced relation, and an arched member connecting the disk and the ring at a common marginal site, said member having tension to maintain the disk and the ring in closely spaced relation.

1,640,662. DRYING CYLINDER FOR PAPER MACHINES AND TEXTILE-GOODS-DRYING MACHINES. EWALD LÖTSCHEN, Munich, Germany. Filed Dec. 24, 1926. Serial No. 156,955. 1 Claim. (Cl. 34—4.)



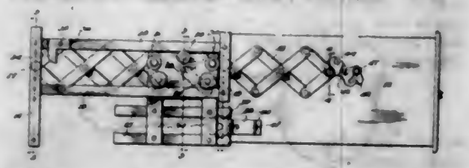
A drying cylinder for paper machines and drying machines for textile goods, comprising in combination with the cylinder proper, two annular flanges inwardly projecting from the inner surface of said cylinder near the ends of the same, a perforated sheet-metal strip inserted into said cylinder between said two annular flanges the joint edges of said sheet-metal strip being soldered to form a drum, a number of spacing blocks between the outer surface of said perforated drum and the inner surface of said cylinder for holding said perforated drum at a uniform short distance from the inner surface of said cylinder, a hollow journal in one end of said cylinder the inner end of said journal forming a disk fixed on the corresponding annular flange of the cylinder a hollow journal in the other end of said cylinder the inner end of said journal forming a disk fixed on the corresponding annular flange of the cylinder, a scooper on the inner end of said second mentioned journal, a discharging pipe extending from said scooper through said hollow journal, and a scooping tube extending from said scooper to the inner wall of said cylinder for collecting the water from condensation.

1,640,663. SPLASHER PLATE FOR BLAST FURNACES. JAMES LESTER MAUTHE, Elyria, Ohio. Filed Feb. 9, 1927. Serial No. 166,898. 8 Claims. (Cl. 266—38.)



1. The combination with a blast furnace having the usual tapping hole and runner trough, of a splasher plate pivotally supported on said furnace for vertical movement and adapted to be raised and lowered into and out of position over said trough adjacent the tapping hole, and power means for raising and lowering said splasher plate.

1,640,664. EXTENSION-DRAWER SUPPORT. CHARLES S. MOORE, Grand Rapids, Mich. Filed Jan. 21, 1925. Serial No. 3,855. 6 Claims. (Cl. 45—77.)



1. A device of the class described comprising a fixed track for a horizontally slidable part, a carrier mounted to travel on the track, a supplemental track movable with the carrier, a lazy tongs connected at opposite ends to the fixed track and slidable part, respectively, and intermediate its ends to the carrier, and an auxiliary support on the said slidable part and mounted on said supplemental track.

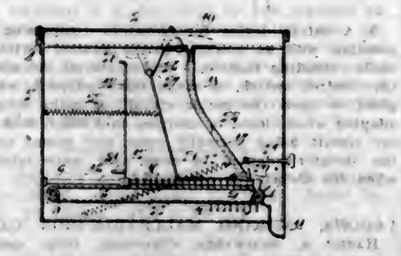
1,640,665. FLAPPING-SHOE-ORNAMENT HOLDER. FAUSTO A. MUSCENTE, Providence, R. I. Filed Nov. 13, 1926. Serial No. 148,209. 3 Claims. (Cl. 2—245.)

1. In an article of the character described, a strip of fabric of predetermined length, an integral tab formed upon one end of the fabric strip and turned downwardly with respect thereto in such a manner as to enable said tab to flap or swing up and down, said strip of fabric adapted for disposition between the foot of a shoe wearer and the instep portion of the shoe while said tab is adapted for disposition upon the outer side of the shoe instep portion, an ornament arranged upon the outer side of the



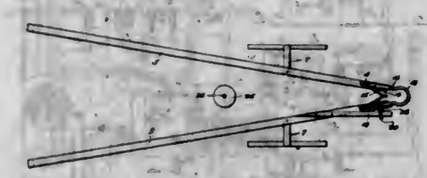
said tab and securing means between said ornament and said tab, said securing means passing through the tab and said strip of fabric at the connecting point between said fabric and said tab.

1,640,666. NEWSPAPER VENDER. JOHN D. O'FLYNN, Vancouver, British Columbia, Canada. Filed July 17, 1925. Serial No. 44,276, and in Canada May 9, 1925. 1 Claim. (Cl. 211—8.)



A device for vending newspapers comprising a casing having a shallow depressed pocket across the front of the bottom into which the lower edges of the papers are delivered, said pocket being open at the front to expose said lower edges of the paper only, a pair of spaced endless chains passing over idler pulleys and over sprockets, a driving shaft on which said sprockets are mounted and by which said chains may be moved, a series of L-shaped angled strips, the horizontal component of each of which is provided with anchoring hooks for connecting the same to the respective chains, said strips adapted to receive the papers in vertical file, a follower plate secured to and between the chains and movable with the same, guide rods paralleling the chains on which said follower plate is slidably mounted, all being arranged substantially as shown and described.

1,640,667. AIRCRAFT COLLECTING DEVICE. FRED M. OSBORN, Los Angeles, Calif. Filed Nov. 9, 1926. Serial No. 147,369. 1 Claim. (Cl. 258—1.)

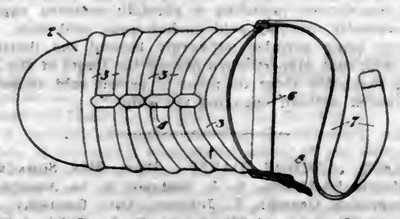


An apparatus of the class described including a supporting structure comprising a pair of horizontal coextensive plates and angularly disposed bars; an engaging member resting on the bars and including a pair of hinged bars projecting inwardly of the member, and spring means associated with said pair of hinged bars to hold the extremities in abutment, and spring clips on the supporting structure projecting upwardly therefrom and having depending projections engaging in depressions formed in the engaging member.

1,640,668. PROCESS FOR THE REGENERATION OF METAL CATALYSTS CONTAMINATED BY SULPHUR. EUGÈNE ALBERT PRUDHOMME, Neuilly-sur-Seine, France, assignor to Société Internationale des Procédés Prudhomme, Paris, France. Original application filed Jan. 20, 1925, Serial No. 3,655, and in France May 19, 1924. Divided and this application filed May 8, 1926. Serial No. 107,833. 6 Claims. (Cl. 23—238.)

1. A process of regenerating sulphur-contaminated catalysts which consists in eliminating the sulphur therefrom in the form of sulphuretted hydrogen by combining said catalysts with an organic acid.

1,640,669. FOOT PROTECTOR. CLINTON E. SANKEY, Ellwood City, Pa. Filed May 18, 1927. Serial No. 192,360. 1 Claim. (Cl. 36—72.)



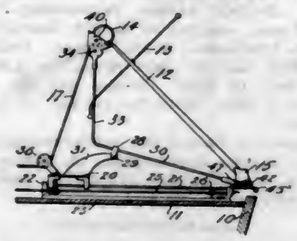
A toe and foot protector comprising a metal body portion generally convex in cross-section and shaped to fit over the toe and instep portion of a shoe encased foot of the wearer, said body portion being of greater width than the wearer's shoe so that its side edges will be free to engage the ground, said body portion being provided with a plurality of transverse stiffening and reenforcing ribs and at least one longitudinal stiffening and reenforcing rib, and means for securing said protector to the foot of the wearer.

1,640,670. SHAFT CONSTRUCTION. CHARLES D. R. SCHAEFFER, Fort Dodge, Iowa. Filed Dec. 16, 1925. Serial No. 75,779. 1 Claim. (Cl. 64—96.)



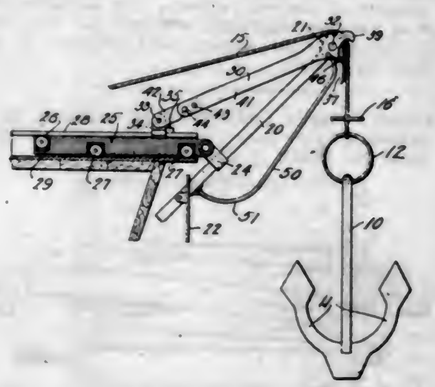
In a device of the class described, a pair of shafts arranged in alignment and spaced from each other, said shafts having at their adjacent ends annular discs, a plurality of spring steel rods having their ends mounted non-slidably in said discs, collars mounted on said discs for holding said rods in place, said discs having aligned sockets, a shaft section having its ends arranged in said sockets and having flanges adjacent to said discs, said shaft section being of such length as to permit limited rotary movement of said first shafts with relation to each other, whereby said rods are twisted for slightly shortening the distance between the first shafts, and being of such length as to then bind at its ends and prevent further relative rotary movement of the first shafts.

1,640,671. DAVIT. BROR MAX SCHAUMAN, Atlantic Highlands, N. J., assignor to an Association comprising Grandin V. Johnson, Otto Gautschy, and Harry W. Johnson, Highlands, N. J.; William Koch, Long Branch, N. J.; and Bror Max Schauman, Atlantic Highlands, N. J., one-fifth to each member. Filed Aug. 3, 1922, Serial No. 579,369. Renewed Nov. 17, 1926. 13 Claims. (Cl. 114—210.)



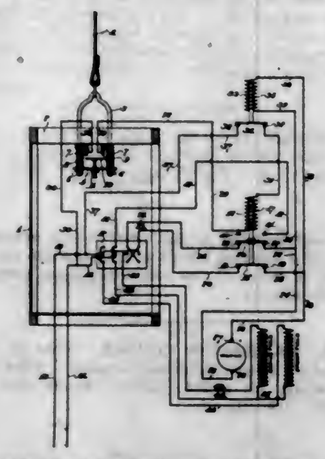
1. A ship's davit contrivance for facilitating the hoisting and lowering of an anchor without injury to the ship, said contrivance including a pivotally-mounted support for normally carrying said anchor upon said ship, said support being movable outwardly beyond the limits of said ship, said support when beyond the limits of the ship being swingable about its pivot to permit said anchor to be lowered without engaging the ship.

1,640,672. ANCHOR DAVIT. BROR MAX SCHAUMAN, Atlantic Highlands, N. J., assignor to an Association comprising Grandin V. Johnson, Otto Gautschy, and Harry W. Johnson, Highlands, N. J.; William Koch, Long Branch, N. J.; and Bror Max Schauman, Atlantic Highlands, N. J., one-fifth to each member. Filed Aug. 3, 1922, Serial No. 579,370. Renewed Nov. 17, 1926. 15 Claims. (Cl. 114—210.)



1. An anchor davit mounted on a vessel for raising and lowering an anchor by means of a cable, said davit comprising a carriage movable inwardly and outwardly upon said vessel, a support for said anchor, said support being pivoted near its lower end on said carriage and foldable upon said carriage, an anchor resting upon the support when said support is in folded position, the center of gravity of said anchor when resting upon the support and with the carriage in outward position being outside of the vessel so that release of said cable permits the anchor to rotate the upper end of the support outwardly so that the anchor may be lowered clear of the vessel and means for limiting the outward movement of the support.

1,640,673. SAFETY DEVICE FOR ELEVATORS. MORRIS SCHEINFELD, Philadelphia, Pa., assignor of one-half to Jacob Friedman, Philadelphia, Pa. Filed Sept. 4, 1926. Serial No. 133,648. 11 Claims. (Cl. 187—29.)

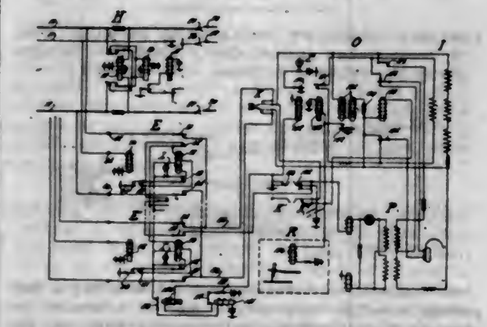


5. A safety device for elevators comprising in combination with an elevator car, a control switch, power leads extending thereto, a motor circuit extending from the control switch, a main relay adapted when energized to open the motor circuit, a main relay circuit adapted when closed to energize said relay, said main relay circuit being normally open, and means carried by the elevator adapted to close said main relay circuit when the elevator is overloaded.

1,640,674. MAKING MALLEABLE-IRON CASTINGS. HARRY A. SCHWARTZ, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 30, 1924. Serial No. 746,870. 5 Claims. (Cl. 75—45.)

1. The process of making malleable iron castings containing an inappreciable percentage of silicon, which comprises adding a small amount of zirconium as a graphitization accelerator, casting the metal without precipitating a substantial proportion of the carbon, annealing the casting and thereby precipitating the carbon in the form of small particles.

1,640,675. SERVICE-OBSERVING EQUIPMENT FOR TELEPHONE SYSTEMS. MICHAEL SCHWARTZ, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill., a Corporation of Delaware. Filed July 10, 1922, Serial No. 574,038. Renewed June 6, 1927. 20 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of trunk lines, each of said plurality terminating in an automatic switch,

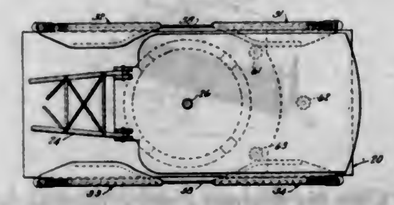
operator's equipment, subscriber controlled means for seizing any trunk line of said plurality and for operating the associated automatic switch, means responsive to such seizure for connecting said seized trunk line to said equipment, and a registering device associated with said equipment operated in synchronism with said associated automatic switch.

1,640,676. SHAMPOO SHIELD. JULIA EPPERS SHAEFFER, Philadelphia, Pa. Filed Apr. 7, 1925. Serial No. 21,388. 2 Claims. (Cl. 2—174.)



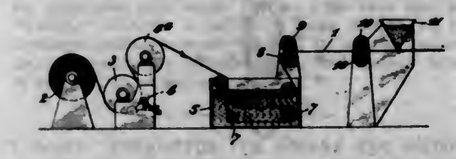
2. A shampoo shield comprising a flexible body adapted to fit the forehead of a user with its end portions extending rearwardly over and protecting the ears, ear-engaging straps carried by the respective end portions of said body on the inner face thereof, each strap being secured to the body at spaced points in a line inclined rearwardly and downwardly, and means for connecting the ends of said body.

1,640,677. SAFETY APPLIANCE. WILLIAM E. SMILEY, Brooklyn, N. Y. Filed Sept. 25, 1926. Serial No. 137,724. 17 Claims. (Cl. 212—70.)



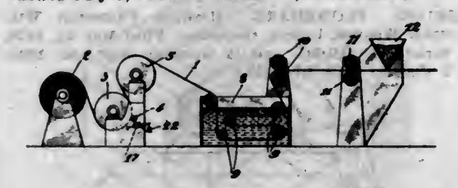
1. In combination with a crane having a platform and a rotatable cab thereon, a fender arm pivotally mounted at the side of the platform for excluding persons from the area of danger between the cab and platform edges.

1,640,678. APPARATUS FOR PRINTING DESIGNS. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois, a Corporation of Illinois, and Aksel K. Bodholdt, Evanston, Ill. Filed Feb. 9, 1921, Serial No. 443,513. Renewed July 9, 1923. 9 Claims. (Cl. 91—16.)



1. In apparatus of the character specified, means for applying a protective coating to one face of a waterproofed web of absorbent material, and means for impressing designs upon the opposite face before the protective coating is applied.

1,640,679. METHOD OF PRINTING DESIGNS. ALEXANDER S. SPEER, Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois, a Corporation of Illinois, and Aksel K. Bodholdt, Evanston, Ill. Filed Feb. 9, 1921, Serial No. 443,514. Renewed July 9, 1923. 7 Claims. (Cl. 91—67.9.)

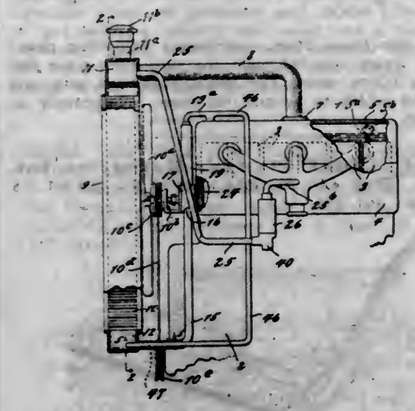


1. A method of forming designs upon one face of materials having a base or body of waterproofed absorbent material and a protective coating on the other face, in such manner that the design is visible only on the face of the material on which it is imprinted, which consists in impressing the design on the base or body before it has been waterproofed, waterproofing the material and passing it between compression rollers, and applying the protective coating on the opposite face from the designs.

1,640,680. METHOD OF PERPETUATING HUMAN REMAINS AND ARTICLE MADE THEREBY. ALBERT VANDERLAAN, Larchmont, N. Y. Filed Dec. 10, 1924. Serial No. 754,975. 7 Claims. (Cl. 25—157.)

6. A method of commemorating the deceased, which consists of integrally intermixing ashes of the deceased to be commemorated with a clay of permanent character, fashioning the mixture into a memorial article of permanent arbitrary form, and giving permanence thereto by baking.

1,640,681. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. MARSHALL H. WARD, Brooklyn, N. Y., and EDWARD L. AURAND, Teaneck, N. J., assignors to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 22, 1924. Serial No. 701,162. 14 Claims. (Cl. 123—174.)



1. A cooling system of the character described comprising a combustion engine having a cooling space and a fuel-suction inlet, a condenser, a passage connecting the cooling space with the condenser and discharging into the latter, a return passage from the condenser to the cooling space, a suction connection between the condenser and said fuel suction inlet, and pressure controlled means responsive to pressure in said suction

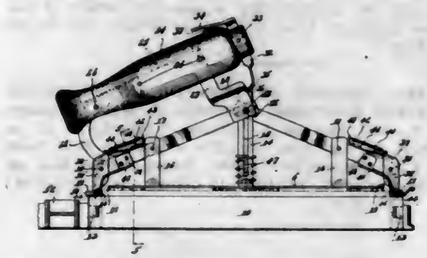
connection to regulate the suction exerted by the said suction connection to thereby maintain a determined pressure in the cooling system regardless of variations of pressure in said fuel suction inlet.

1,640,682. PLOWSHARE. HINRICH FRIEDRICH WILHELM WEGNER, Lubeck, Germany. Filed May 21, 1926. Serial No. 110,607, and in Germany Sept. 30, 1925. 2 Claims. (Cl. 97—125.)



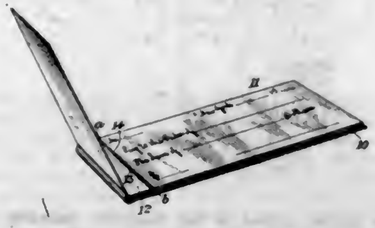
1. A plowshare comprising a body member having a lower portion of reduced thickness extending from heel to point thereof, one side of said portion being provided with a longitudinal groove extending from the point of said portion and terminating adjacent to the heel thereof, and a cutting member having a grooved portion slidably mounted on said reduced portion of the body member in the direction of the line of draft, said cutting member being provided with a rib engaging the groove in the reduced portion of the body member.

1,640,683. TYPE-FRAME LIFTER. ALBERT WILSON, Chicago, Ill. Filed June 14, 1926. Serial No. 115,719. 20 Claims. (Cl. 101—404.)



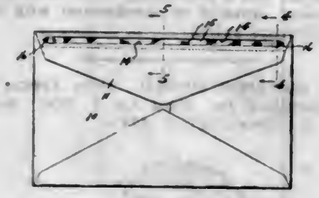
2. A type frame lifter comprising a supporting piece; rocking levers mounted upon the supporting piece and carrying lifting shoes; and means associated with said levers by which to operate the same, substantially as described.

1,640,684. INDENTURE. PHILIP ZALKIND, New York, N. Y. Filed Apr. 23, 1918. Serial No. 230,201. 8 Claims. (Cl. 281—38.)



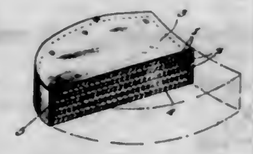
1. An indenture comprising a sheet of separable parts having between them a series of angular scores in pairs extending obliquely from a line on which the parts are separable, the said scores on corresponding sides of the line being parallel to each other and there being a perforation between the said pairs of scores in the line on which the parts of the indenture are separable.

1,640,685. ENVELOPE. SILVIO M. AITELLI, Newark, N. J. Filed Dec. 22, 1926. Serial No. 156,489. 2 Claims. (Cl. 229—86.)



1. The combination with the body of a mail cover of an opening means, comprising the provision in said body of a slot having spaced longitudinal edges, a fabric tearing strip of greater width than said slot and exceeding the same in length, said strip being adhesively secured to the inner side of said body to normally close said slot, and an end of said strip being longitudinally incised coincident to the sides of the slot to form a gripping tongue, said tongue being exteriorly projected through the adjacent end of said slot, the longitudinal edges of said slot providing guides against which the strip may be bodily disrupted and a portion thereof removed to open up said slot.

1,640,686. SHOE HEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1925. Serial No. 10,434. 2 Claims. (Cl. 36—35.)



1. A shoe heel comprising a body of vulcanized rubber, and spaced plies of veneer embedded therein prior to vulcanizing, the rubber of the body extending entirely about and between the plies of veneer.

1,640,687. COMBINED MEDICINAL PENCIL AND INHALER. WILLIAM C. BELMONTE, New York, N. Y. Filed July 18, 1924. Serial No. 726,690. 2 Claims. (Cl. 128—200.)



1. A holder for sticks of medicinal and other preparations, comprising a base having an interior recess, a shoulder in the recess, an anchor member having a loop

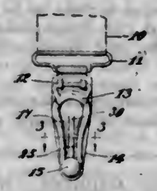
embedded in the stick, resilient projections from the loop seating under the shoulder, a casing detachably secured to the base, and means for providing for a circulation of air through the holder.

1,640,688. EXHAUST-STEAM INJECTOR FOR LOCOMOTIVES AND THE LIKE. EMANUEL BLAUHORN, Vienna, Austria. Filed Apr. 24, 1925, Serial No. 25,704, and in Austria May 20, 1924. 4 Claims. (Cl. 103—265.)



2. An injector of the character described comprising a live steam cone and an exhaust steam cone, a combining cone and a delivery cone, and separable casing parts respectively containing the exhaust steam cone and the combining cone.

1,640,689. HOSE-SUPPORTER CLASP. JENNIE M. BODENSIEK, New York, N. Y. Filed Aug. 8, 1925. Serial No. 48,919. 6 Claims. (Cl. 24—245.)



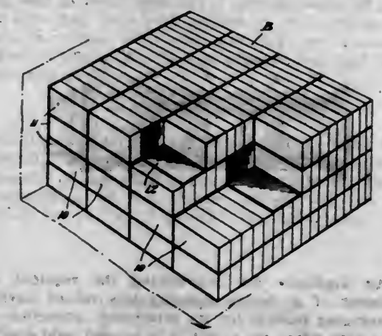
3. A clasp comprising a base having an outstanding rib and a headed part, a yoke movably associated with the base and having a wedge slot receivable about said rib and headed part, and yieldable means carried by said yoke and movable relatively to the yoke and positioned for engagement with the sides of the rib.

1,640,690. TREATMENT OF INTERNAL-COMBUSTION-MOTOR CYLINDERS FOR CARBON DEPOSIT. JOHN F. CANNING, Richmond Hill, N. Y. Filed June 16, 1923. Serial No. 645,916. 2 Claims. (Cl. 44—9.)

1. A petroleum fuel additioned by a relatively small quantity of a carbon removing agent, consisting of coal tar distillates, from which the tar acids have been substantially removed, a relatively large portion of said distillates boiling between 130–225° C., and an oxidizing agent comprising a nitrated cyclic hydrocarbon soluble in said distillates and said fuel.

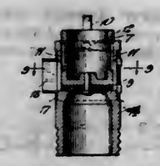
1,640,691. SEPARATOR FOR BRICKS AND METHOD OF PILING THE SAME. EDGAR C. CLARK, Pittsburgh, Pa. Filed Jan. 20, 1926. Serial No. 82,626. 3 Claims. (Cl. 206—46.)

1. A spacer for use in stacking bricks comprising a strip of sheet material bent longitudinally to form an upstanding portion adapted to be interposed between two horizontal rows of bricks arranged in parallel vertical planes, and a portion extending at substantially a right



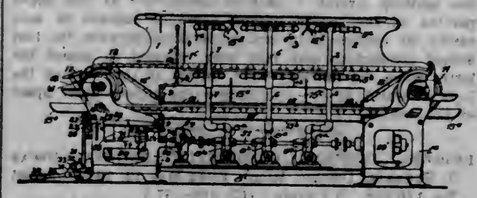
angle to said upstanding portion to be positioned between two superposed rows, said strip being of sufficient length to face a plurality of bricks.

1,640,692. FAUCET. GEORGE W. COOKE, Jamaica, N. Y., assignor to George W. Cooke Co., Inc., a Corporation of New York. Filed Sept. 17, 1925. Serial No. 56,824. 2 Claims. (Cl. 251—135.)



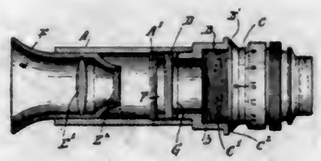
1. A faucet comprising a tubular body including an inlet portion and an enlarged cylindrical valve chamber joining the inlet portion with a shoulder constituting a valve seat and having a circumferential series of openings in front of the valve seat, a spout sleeve angularly adjustable about the perforated part of the valve chamber and having a laterally open spout, and a cylindrical valve plug fitting within the valve chamber throughout and beyond the perforated portion and axially slidable therein to open and close the faucet.

1,640,693. MACHINE FOR WASHING DISHES AND OTHER ARTICLES. ELBERT L. COUCH, Mamaroneck, N. Y., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Filed Aug. 1, 1921, Serial No. 488,919. Renewed Dec. 9, 1926. 27 Claims. (Cl. 141—9.)



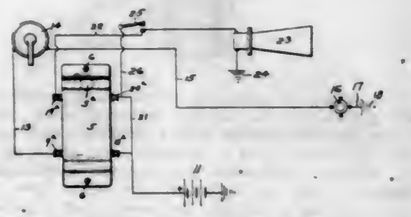
1. In a washing machine, a conveyor for carrying the articles being washed through the machine, means for driving the conveyor, a shelf for receiving the washed articles from the conveyor and movable relatively thereto, and means controlled by the movement of said shelf for rendering said driving means inoperative.

1,640,694. CAMERA-LENS-FOCUSING APPLIANCE. LUCIUS F. DEMING, Philadelphia, Pa. Filed Aug. 28, 1925. Serial No. 53,009. 6 Claims. (Cl. 88—1.)



1. An appliance for determining the required focal adjustment of a camera focusing lens mount having a seat engaging portion for its detachable connection to a camera with which the mount is to be used, said appliance comprising a chambered body provided at one end with a seat for the seat engaging portion of the mount and at the opposite end with an inspection opening, and means within said body providing an image receiving surface at a fixed distance from said seat on which the image of an object to be photographed may be seen through said inspection opening when a focusing lens mount seated in the appliance is focused on said object.

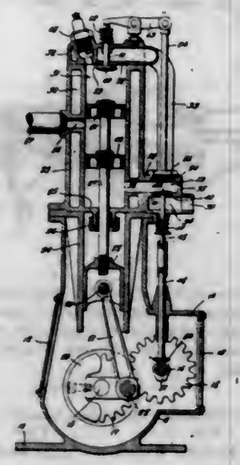
1,640,695. AUTOMATIC SAFETY SWITCH. BERNARD B. DOLLY, Superior, Ariz. Filed June 22, 1926. Serial No. 117,756. 1 Claim. (Cl. 177—311.)



The combination with a motor vehicle and its ignition circuit, of a switch, comprising a body rigdly affixed to the motor vehicle to be bodily inverted therewith in the event of an upset of said vehicle, said body having a cavity therein containing a movable conductive body, spaced conductors the ends of which are exposed in said cavity adjacent the lower end thereof and which conductors are connected with the ignition circuit of the motor vehicle, said conductive body normally completing the ignition circuit, a pair of conductors at the upper portion of the cavity having portions exposed in said cavity, an electric horn and connections between the last named conductors and said horn adapted to sound the latter when the movable body travels to that end of the body occupied by the last named conductors upon upset of the vehicle.

1,640,696. INTERNAL-COMBUSTION ENGINE. OSCAR J. ECKLAND, Owosso, Mich. Filed May 19, 1926. Serial No. 110,228. 3 Claims. (Cl. 123—57.)

1. In an internal combustion engine, a crank case, a crank shaft journaled therethrough and having a crank portion, a cam shaft journaled through the crank case and operatively connected with the crank shaft for being driven thereby, a cylinder block mounted upon the crank case and having a cylinder therein, a cylinder head at the upper end of the block, a cross head guide extending down into the crank case, a piston slidable axially of the cylinder and cross head guide and carrying a cross head slidably mounted along the guide, a connecting rod connected with the cross head and with the crank portion of the crank shaft, a pair of spaced pistons carried by the piston rod and one constituting a power piston and the other a charge compressing piston, valve means for



permitting an explosive mixture to be introduced within the cylinder beneath the compression piston, transfer means for conducting said compressed charge into the cylinder head, valve means for permitting the compressed charge to enter the upper end of the cylinder and the side of the cylinder being provided with an exhaust port controlled by movement of the power piston.

1,640,697. LASTING MACHINE. WILLIAM F. FLICKINGER, Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 1, 1922. Serial No. 598,411. 8 Claims. (Cl. 12—2.)

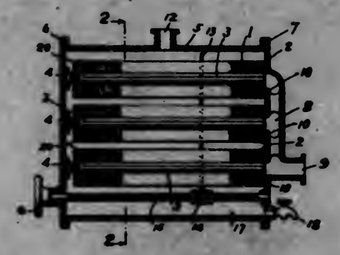


1. A shoe bottom rest comprising a supporting portion and a plate having its edge toothed to engage the shoe bottom, said plate being pivoted between its ends to the supporting portion and freely movable by the shoe on its pivot, the edge of said plate providing a second axis about which the shoe may be tipped.

1,640,698. EDGE FILTER. ERIK AUGUST FORSBERG, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 4, 1924, Serial No. 735,768, and in Great Britain Sept. 18, 1923. 5 Claims. (Cl. 210—184.)

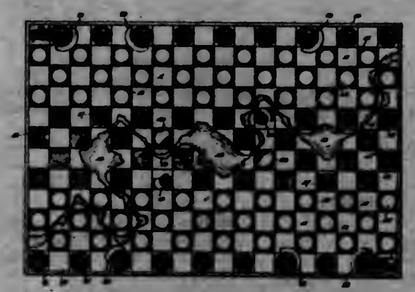
1. An edge filter comprising a casing having two opposite end walls one of which is removable, a filter unit comprising a column of thin elements, a longitudinally

extending member engaging said elements and provided with a plurality of flow channels extending therethrough,



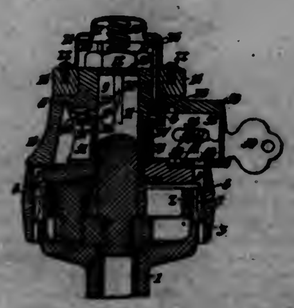
end plates at opposite ends of the columns, and means, operable in the placement of the removable end wall, to press the unit against the opposite end wall.

1,640,699. GOLF-GAME APPARATUS. WILLIAM GASTON, New York, N. Y. Filed July 26, 1926. Serial No. 125,041. 2 Claims. (Cl. 273—131.)



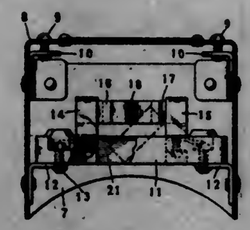
1. In a game device, a board having delineated thereon the following, to wit: two series of rows of spaces to accommodate pieces for the playing of the game, and a playing field between said rows of spaces, and divided into corresponding spaces alining obliquely with the first mentioned spaces, certain spaces in said playing field having hazards indicated adjacent thereto, said hazards including sand traps, bunkers, ponds and out of bounds.

1,640,700. VEHICLE SIGNALING DEVICE. CLARENCE A. GODSHALK, Ardmore, Pa., assignor to A. H. Fox Gun Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 3, 1923. Serial No. 678,182. 6 Claims. (Cl. 200—59.)



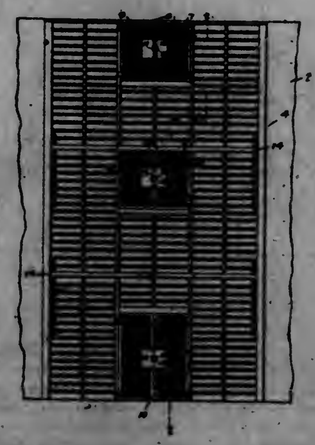
1. An electric device including the combination with a pair of relatively immovable annular terminals; of means arranged to electrically connect said terminals, including an annular push ring overlying said terminals; a member having a circular series of sockets in registry with said push ring; a manually operative plunger overlying said socketed member; a circular series of plunger rods extending from said plunger in said sockets, in cooperative relation with said push ring; and a spring arranged to normally hold said plunger rods and ring in inoperative position.

1,640,701. ELECTRIC SAFETY DEVICE. CHARLES E. HANNI, Unionville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Oct. 19, 1925. Serial No. 63,274. 7 Claims. (Cl. 200—142.)



1. A thermostatic element comprising a flat zig-zag bent center strip and flat contact blades having substantially the same carrying capacity as the center strip, soldered to the ends of the said center strip and adapted to fit into ordinary fuse clips, the contact blade on one end being soldered on the side of said strip opposite to the blade on the other end, the amount of solder being only sufficient to hold the parts together.

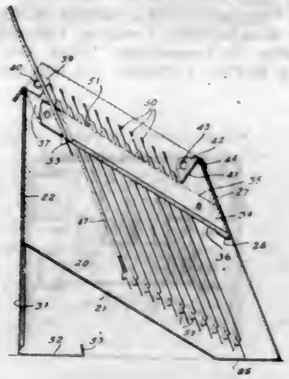
1,640,702. PORCH FIRE ESCAPE. HARRIETTE ENSLEY HODGSON, New York, N. Y. Filed May 6, 1926. Serial No. 107,000. 1 Claim. (Cl. 227—5.)



A fire-escape comprising a series of enclosures on the outside of a building having internal passageways permitting persons to pass downward from one enclosure to another, and trap-doors for said passageways with latches adapted to be readily opened from above but not from below, the fire-escape also having external ladder means,

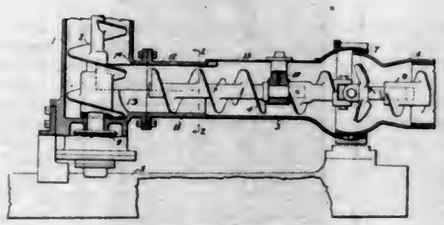
and openings in its sides enabling persons to gain said external means, with closures for said openings and latches for said closures adapted to be readily opened from the inside but not from the outside.

1,640,703. TABULAR CALCULATOR. ALFRED W. HOFFMAN, New York, N. Y. Filed Sept. 22, 1925. Serial No. 57,906. 2 Claims. (Cl. 45—2.)



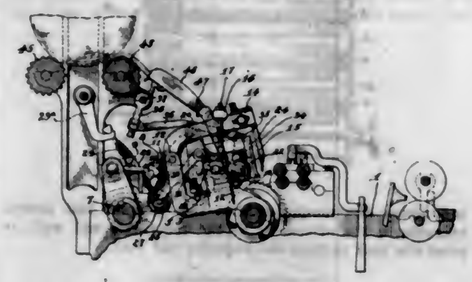
1. In a calculator, a support, an inclined plate carried thereby, said plate having a series of spaced slots formed therein, a plurality of metal blanks slidably disposed through said slots, and coacting means on said plate and blanks, for retaining said blanks in elevated or retracted position relative to said plate.

1,640,704. CONVEYER FOR STOKERS. ANDREW M. HUNT, New York, N. Y., assignor to Standard Stoker Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed May 25, 1923. Serial No. 641,339. 17 Claims. (Cl. 198—213.)



1. In a stoker the combination with an upwardly extending elevating conduit, of a laterally extending feed conduit therefor comprising a lower surface raised at its discharge end and upper surface lowered at its discharge end so as to restrict said conduit vertically at said end, a feed screw of substantially constant diameter extending along said conduit and having its discharge end rotatably supported on the said raised end of said lower surface and within said vertically restricted portion of said conduit, and means for supporting the other end of said feed screw spaced from the walls of said conduit so that said conduit and feed screw have substantially parallel axes.

1,640,705. COMBING MACHINE. JAMES JOLLY, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Nov. 14, 1925. Serial No. 68,969. 23 Claims. (Cl. 19—120.)

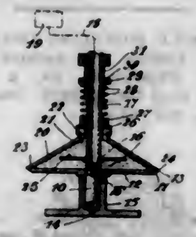


1. In a comber, the combination of an oscillating bearing frame, means for oscillating said frame, a nipper frame pivoted on said bearing frame, a top comb carried on said frame and normally supported in fixed relation thereto, and nipper knife levers adapted to rock the nipper frame with relation to said bearing frame.

1,640,706. TREATING OF LEATHER. MORRIS CHARLES LAMB, Bermondsey, London, England, assignor to Rohm & Haas Company, Inc., Philadelphia, Pa. Original application filed June 9, 1925, Serial No. 36,052, and in Great Britain Apr. 27, 1925. Divided and this application filed Mar. 6, 1926. Serial No. 92,940. 2 Claims. (Cl. 149—6.)

1. A process for treating leather for the purpose of lubricating its fibres, which consists in treating the leather with a non-acid emulsion of hydrogenated naphthalene in association with an oily substance.

1,640,707. MACHINE FOR SEPARATING SOLIDS FROM LIQUIDS OR LIQUIDS FROM LIQUIDS. WILLIAM C. LAUGHLIN, Glendale, Calif., assignor to Laughlin Filter Corporation, New York, N. Y., a Corporation of Delaware. Filed Sept. 29, 1923. Serial No. 665,622. 20 Claims. (Cl. 233—20.)



1. In a machine for separating solids from liquids or liquids from liquids, the combination of rotary plates facing each other having their peripheral surfaces smooth and unobstructed both radially and circumferentially, and contacting smoothly and circumferentially, one of said plates having a flat interior surface and the other of said plates having an inclined interior surface in respect to the axis of rotation, means for uninterruptedly feeding to the space between the plates, material to be separated and discharging certain of the material between the plates substantially at or near the axis of rotation thereof, a plate rotatable with the rotary plates and rotating at the same speed thereof and arranged parallel with the flat surface of the flat plate, and a spring centrally disposed in

respect to one of the plates for causing the smooth peripheral portion of one plate to exert a uniform pressure upon the smooth peripheral portion of the other plate around the peripheral circumference thereof.

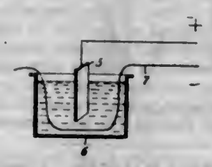
1,640,708. METHOD OF PRODUCING ZINC CARBONATE. NAPOLEON ARTHUR LAURY, Rockville Center, N. Y. Filed Dec. 23, 1925. Serial No. 77,285. 4 Claims. (Cl. 23—61.)

1. A method for the precipitation of an insoluble zinc compound which consists in cooling an aqueous solution of ammonium sulphate containing zinc in solution and treating the solution with carbon dioxide.

1,640,709. MEDICINAL AGENT ADAPTED FOR GLANDULAR THERAPY. GUSTAVE P. METZ, Brooklyn, N. Y. Filed Aug. 28, 1925. Serial No. 53,078. 3 Claims. (Cl. 167—7.)

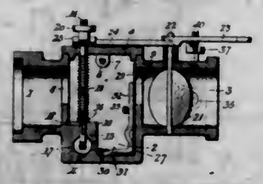
3. A medicinal agent comprising a water-soluble insulin powder, wholly free from germs or bacterial products and in a state capable of being absorbable in the tissues of the human body, said substance being incorporated in a vehicle substantially free from water and wholly free from germs or bacterial products, but acting as a retardant to delay for an extended period of time the absorption of the insulin substance by the blood stream, the said medicinal agent being adapted, upon intramuscular or subcutaneous injection, to exercise a functional effect in the human body via the nerves prior to directly effective chemically active contact with the blood stream.

1,640,710. ELECTRON EMITTING CATHODE AND PROCESS OF PREPARING THE SAME. HENRY MILLER, Newark, N. J., assignor to Hazeltine Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Mar. 1, 1926. Serial No. 91,455. 9 Claims. (Cl. 250—27.5.)



1. The process of manufacturing an electron emitting cathode which comprises electrically depositing a compound of a metal of the alkali-earth group on a conductor from a colloidal solution, and subsequently subjecting the coating to heat.

1,640,711. CARBURETOR. JOHN J. A. MILLER, Denver, Colo. Filed May 21, 1926. Serial No. 110,617. 2 Claims. (Cl. 261—105.)

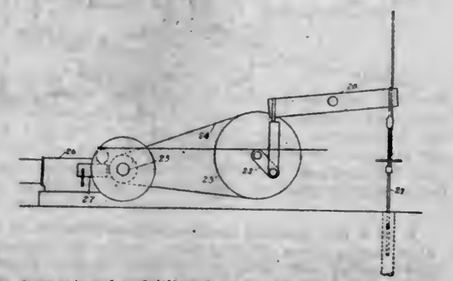


1. The combination with a carburetor having a mixing chamber provided with air inlet and outlet openings, of a fuel valve and means for operating the same to admit fuel to said chamber, said openings being above the level of the fuel inlet, a removable plate in said chamber having an opening and adapted to register with the outlet opening and a wire screen over the opening in said plate, a fuel absorbing wick adapted to extend partially over said screened opening, whereby air drawn through said openings mingles with the fuel in said wick to form an explosive mixture, and means for adjusting said wick with respect to the screened opening.

1,640,712. ACCELERATION OF GELATINIZATION OF CELLULOSE NITRATE. ROBERT C. MORAN, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 19, 1924. Serial No. 721,004. 21 Claims. (Cl. 52—20.)

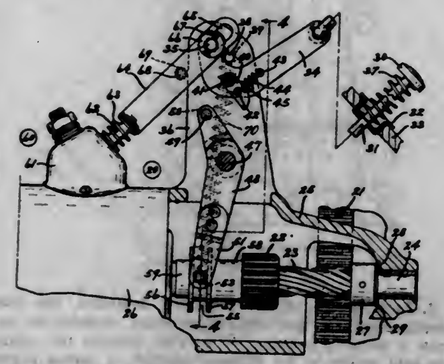
1. The process of accelerating the gelatinization of cellulose nitrate with a liquid nitric ester which comprises mixing said substances in the presence of an aliphatic alcohol that has a greater solubility in said liquid nitric ester than has glycerol, the quantity of said alcohol being sufficiently small so as to produce substantially no effect upon the sensitiveness of the mixture as an explosive.

1,640,713. GOVERNOR. FRANK B. MORRISON, Marion, Ohio, assignor to The Power Manufacturing Company, Marion, Ohio, a Corporation of Ohio. Filed Mar. 18, 1926. Serial No. 95,661. 1 Claim. (Cl. 255—1.)



In apparatus for drilling bores in the earth the combination of a vertically swinging walking beam, a tool hung from the walking beam at one end and an internal combustion engine operatively engaging the beam at its other end, said engine being provided with a fuel control and with a centrifugal governor controlling such fuel control, and means for opposing the centrifugal swing of the governor, such means presenting to the governor when in the course of its swing an abrupt increase of resistance.

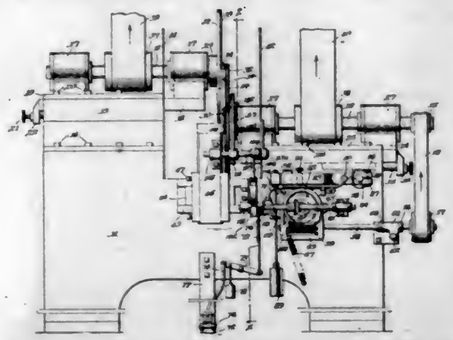
1,640,714. ENGINE-STARTING APPARATUS. JOE W. MORRISON, Washington, D. C., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 13, 1924. Serial No. 755,649. 6 Claims. (Cl. 74—7.)



1. Engine starting apparatus comprising, in combination, a motor; means for connecting the motor with the engine including a pinion adapted to mesh with a gear

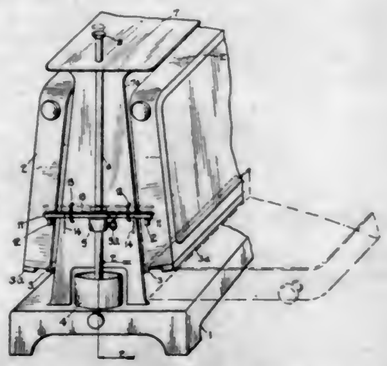
connected with the engine, and devices whereby the pinion will be automatically demeshed from the engine gear when the engine starts and whereby operation of the motor will move the pinion into complete engagement with the engine gear after the pinion has been brought into contact or partial engagement with the engine gear; a spring normally set to urge the pinion away from the gear a pinion shifting device; a motor switch and means for operating the pinion shifting device to move the pinion toward the gear and to set the spring for urging the pinion into contact with the gear, and for closing the motor switch.

1,640,715. FACE-GRINDING MACHINE. ALLEN W. MORTON, Baltimore, Md. Filed Nov. 28, 1925. Serial No. 72,006. 8 Claims. (Cl. 51—134.)



1. In a face grinding machine, the combination of two discs having plane grinding faces; means for supporting and rotating said discs in the same angular direction about offset parallel axes, with portions of said discs opposed to and parallel with each other; and a work carrier arranged to support a work piece for rotation about an axis parallel with the axes of said discs and to guide the same in a path between said discs which is oblique to the line connecting the axes of said discs and which approximately bisects said line.

1,640,716. TIMING DEVICE. JENTJE MULDER, Detroit, Mich. Filed Sept. 14, 1925. Serial No. 56,175. 7 Claims. (Cl. 161—16.)

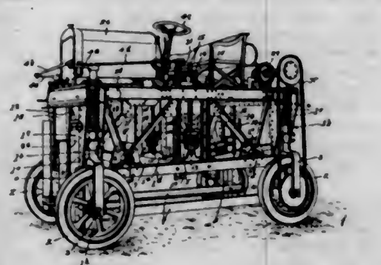


1. In a device of the charactéd described, the combination with a toast holder pivotally movable to and from a working position, of a latch member for retaining said holder in its working position, a spring urging said latch member to its release position, and a dashpot retarding said spring in its action upon said latch member.

1,640,717. MANUFACTURE OF LARGE-GRAINED DEXTROSE. WILLIAM B. NEWKIRK, Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del., a Corporation of Delaware. Original application filed Sept. 10, 1924, Serial No. 736,945. Divided and this application filed Oct. 23, 1924. Serial No. 745,375. 7 Claims. (Cl. 127—60.)

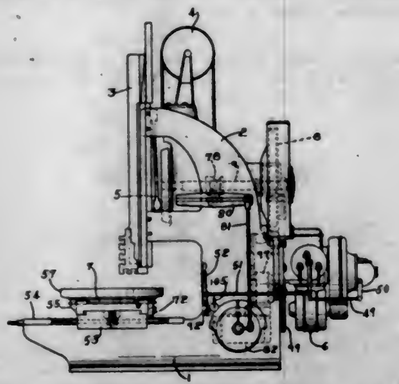
1. Method of making large grained crystalline dextrose from a starch converted solution which consists in maintaining a relatively large quantity of dextrose crystals uniformly dispersed through a solution and gradually cooling the solution to maintain a supersaturation so slight that most of the dextrose crystallizing out of the solution goes to build up the size of the crystals originally introduced.

1,640,718. LUMBER CARRIER. ERNEST A. OETZEN, Everett, Wash., assignor to Sumner Iron Works, Everett, Wash., a Corporation of Washington. Filed Apr. 3, 1926. Serial No. 99,588. 11 Claims. (Cl. 212—141.)



1. A lumber carrier of the character described, comprising a load straddling frame, vertically slidable load engaging elements carried by the corners of said frame, fulcrumed levers engaged at one end to said load carrying elements respectively, vertically movable, centrally located power transmitting element with which the other ends of said levers are connected, a motor and connections therefor to said power transmitting element, including a yielding element for the purpose described.

1,640,719. SLOTTING MACHINE. ALBERT W. PARKES, Dundas, Ontario, Canada, assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 16, 1924. Serial No. 686,559. 10 Claims. (Cl. 90—44.)



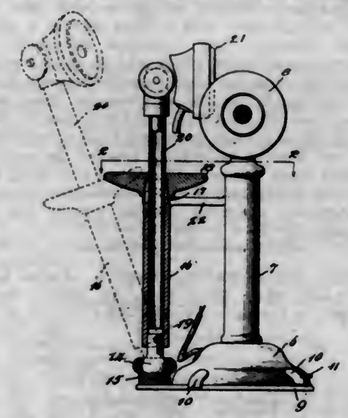
1. In a slotter, the combination of a base, a work support and a tool slide on the base, power operated means for reciprocating the tool slide, mechanism for intermittently feeding the work support synchronously with the said reciprocation, a clutch for disengaging the feeding

means, power operated means including a pair of bevel gears and a clutch therebetween for continuously traversing the work support in either direction, and interlocking means preventing the simultaneous engagement of the clutches.

1,640,720. PROCESS OF PURIFYING HYDROCARBONS. LEON W. PARSONS, Cambridge, Mass., and STEWART P. COLEMAN, Corpus Christi, Tex., assignors to Standard Development Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 10, 1922. Serial No. 599,966. 7 Claims. (Cl. 196—35.)

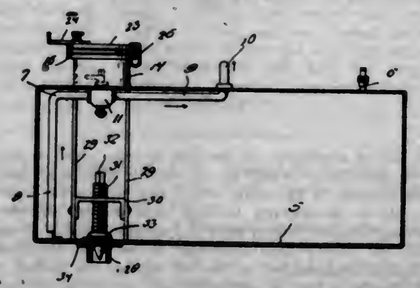
6. The improvement in the art of purifying hydrocarbons, which comprises adding a mineral oxid having oxidising properties to the hydrocarbon stock and heating to a temperature at all times short of vaporization, then introducing the hydrocarbon stock into a still containing a charge of caustic soda, and distilling the hydrocarbons.

1,640,721. TELEPHONE APPARATUS. WALTER EDWARD PERRY, Sacramento, Calif. Filed Oct. 18, 1924. Serial No. 744,354. 4 Claims. (Cl. 179—150.)



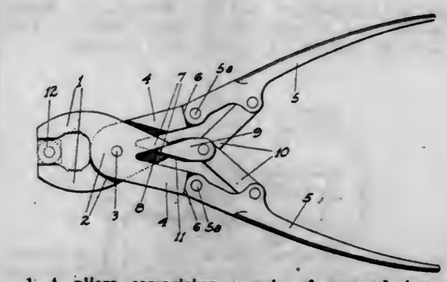
1. An attachment for a telephone, comprising an extensibly adjustable arm for supporting the telephone receiver, said arm being supported in connection with the telephone and being movable relative thereto, and clamp means on said arm for securing the latter in adjusted position, said clamp means being engageable, upon movement of said arm, with the telephone switch lever to actuate same.

1,640,722. MOTOR-VEHICLE FUEL TANK. JAMES T. ROATEN and ROY BEDFORD, Sheridan, Wyo. Filed Mar. 29, 1927. Serial No. 179,369. 4 Claims. (Cl. 158—46.)



1. In a closure for a gasoline tank filler opening, wherein the tank is provided with a drain opening in opposed relation to the filler opening, a neck constructed for engagement within the filler opening, a locking cap associated with the neck, depending legs carried by the neck and extending downwardly to the bottom of the tank at opposite sides of the drain opening, a strip extending transversely between the legs directly over the drain opening and provided with a threaded opening, and a valve pin threaded through the threaded opening in the cross strip for engagement at its lower end in the drain opening, said valve being accessible only from the interior of the tank.

1,640,723. PLIERS. JOHN W. RYAN, French Camp, Calif. Filed Dec. 1, 1926. Serial No. 151,899. 7 Claims. (Cl. 294—38.)

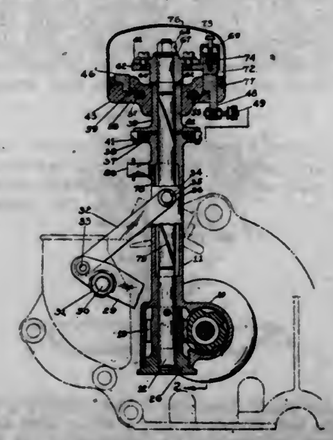


1. A pliers comprising a pair of opposed jaw and handle members pivoted together intermediate their ends and arranged to cause a contracting movement of the handles to normally impart a closing movement to the jaws, and means between the handle members and jaws for increasing the force tending to close the jaws when the handles are contracted.

1,640,724. N-DIHYDRO-DIANTHRAQUINONE-AZINE COMPOUNDS AND PROCESS OF MAKING SAME. JOHN H. SACHS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Jan. 23, 1925. Serial No. 4,164. 6 Claims. (Cl. 260—31.)

1. The process of producing an N-dihydro-dianthraquinone-azine compound which comprises heating a water suspension of the leuco derivative of said azine compound in the presence of an oxygen-containing gas at a temperature of about 100° C. until the leuco derivative is oxidized.

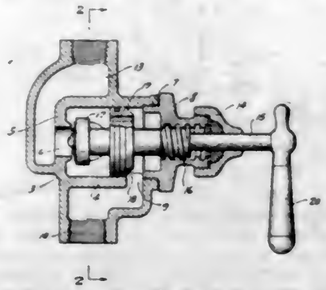
1,640,725. IGNITION TIMER. GUSTAV SCHADEE, New York, N. Y. Filed Nov. 28, 1925. Serial No. 71,884. 8 Claims. (Cl. 200—24.)



2. In an ignition timer, a timer shaft, an insulating base, a plurality of closed distributor rings spaced in

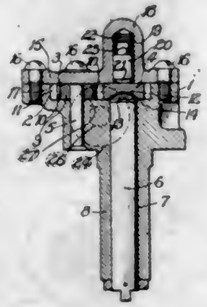
the said base, a set of stationary contacts connected with each ring with each contact extending transversely of the base and terminating in a contact face in an outer surface of the base, one of the contacts in each set being extended in the opposite direction through the said base to form a terminal, a distributor head adjustably mounted on the timer shaft, and a group of brushes carried by the distributor head and adapted to engage the contact face of the base, the number of the said brushes corresponding with the number of fixed contacts connected to each ring and the spacing of the brushes being such that they bear simultaneously on all the contacts connected with any one ring.

1,640,726. DIVERSION VALVE. WILLIAM F. SCHULTHEISS, Los Angeles, Calif. Filed Sept. 7, 1926. Serial No. 133,954. 5 Claims. (Cl. 251—22.)



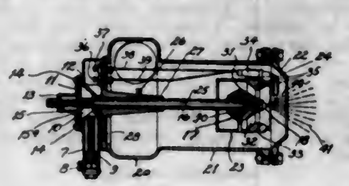
1. A valve structure of the character described comprising a casing having a first outlet chamber and a second outlet chamber separated by an intermediate inlet chamber defined by a wall forming a plunger barrel having a valve port at one end communicating with the first outlet chamber, said inlet chamber communicating at the other end with the second outlet chamber, a stem extending into said inlet chamber and being provided with a valve for said valve port, a plunger on said stem separating said inlet chamber and the second outlet chamber, there being a passage for placing said inlet chamber in communication with the second outlet chamber controlled by travel of said plunger whereby when said valve is seated to close the first outlet chamber, said inlet chamber will be in communication with the second outlet chamber and when said valve is moved to its opposite extreme position to open the first outlet chamber, said inlet chamber will be closed from the second outlet chamber.

1,640,727. GEAR PUMP. LEWIS L. SCOTT, St. Louis, Mo., assignor to Electrol, Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 16, 1923. Serial No. 675,149. 11 Claims. (Cl. 103—126.)



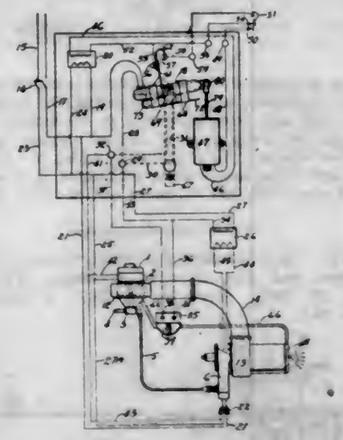
1. A gear pump comprising a casing having a chamber affording a seat, a driving and a driven gear housed in said casing, the driving gear having one of its sides forming a sealing engagement with said seat, means for maintaining said driving gear in such engagement, and a pump shaft having a bearing in said casing and a loose connection at one end with said driving gear.

1,640,728. DOMESTIC OIL BURNER. LEWIS L. SCOTT, St. Louis, Mo., assignor to Electrol, Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 24, 1925. Serial No. 51,979. 1 Claim. (Cl. 158—73.)



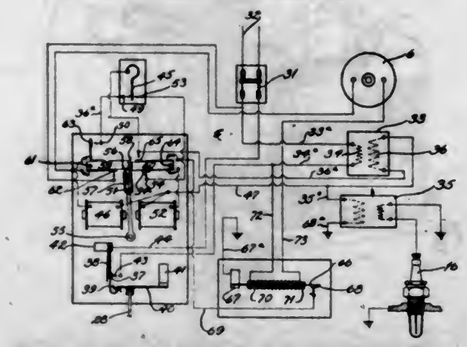
A burner for an oil burning device of the class described comprising an air directing duct, a fuel spray nozzle mounted centrally within the same near one end thereof and provided with a head having a portion of enlarged diameter, and a hollow cylindrical casting mounted concentrically within and in spaced relation to said air directing duct and surrounding said head, said casting having at its end adjacent the spray nozzle an annular inwardly-extending projection having its inner wall tapered to provide, with said head, a converging outlet for air directed toward the zone of the spray issuing from said spray nozzle, said casting also being provided at the end having said inwardly-extending projection with circumferential apertures directed toward the zone of said spray.

1,640,729. OIL-BURNING SYSTEM. LEWIS L. SCOTT, St. Louis, Mo. Filed Sept. 21, 1925. Serial No. 57,706. 2 Claims. (Cl. 158—73.)



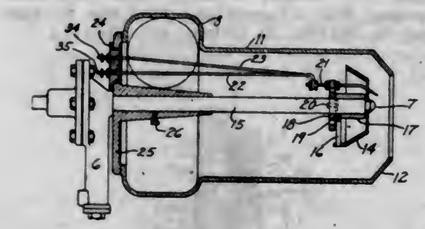
1. In an automatic oil burning system, which is adapted to burn an oil which is not readily sprayed at normal temperatures, a spraying device and means for causing the oil to be sprayed through said device, an electric heating element located near the spraying device so as to heat the oil in said spraying device and maintain a spraying temperature on the oil during the period that the system is not in operation and an automatic switch for cutting in an additional electric heating unit which is adapted to supply an extra amount of heat to the oil during the period that the system is in operation.

1,640,730. OIL BURNER. LEWIS L. SCOTT, St. Louis, Mo., assignor to Electrol, Inc. of Missouri, St. Louis, Mo., a Corporation of Missouri. Original application filed Feb. 23, 1922, Serial No. 538,559. Divided and this application filed Feb. 3, 1926. Serial No. 85,661. 8 Claims. (Cl. 158—28.)



1. In an oil burning system, a spray nozzle for spraying oil, means for furnishing air to promote combustion, an electrically-controlled device for supplying fuel to the burner, an electrically-controlled device for igniting the fuel, an electrically-heated thermostat for controlling the time of operation of the ignition device.

1,640,731. OIL BURNER. LEWIS L. SCOTT, St. Louis, Mo. Filed Apr. 3, 1926. Serial No. 99,539. 2 Claims. (Cl. 158—76.)



1. In an oil burning device of the class described, in combination with a spray nozzle and means for supplying fuel thereto, means for igniting the fuel, means for furnishing air to the fuel spray to promote combustion, a mixing cone for causing the air to be mixed with the fuel spray, a disc located back of the fuel nozzle in the path of the air going to the fuel spray, an air receiver which receives air from an air supply means and which causes said air to rapidly rotate, said air receiver having a projecting casting in which is enclosed said fuel nozzle, ignition means, mixing cone and disc, said fuel nozzle, ignition means, mixing cone and disc being located eccentric from the air receiver casting.

1,640,732. WEED PULLER. GEORGE R. SIMPSON, Portland, Oreg. Filed July 12, 1926. Serial No. 121,877. 2 Claims. (Cl. 55—148.)

1. In combination in a new and improved weed puller of a cylindrical handle member terminating on its lower end in a metallic jaw, said jaw carrying a pivotal pin, and terminating on its upper end with an elbow, and a horizontal hand engaging member secured to the oppositely disposed end of the elbow, a second jaw in engaging relationship with the first and journaled about the journal pin, and a foot lever formed on one side of the second jaw and at substantially right angles thereto and a weed disengaging member maintained in slidable relationship with the main handle and having a foot formed upon the lower end thereof, and spring means adapted to maintain the said member in normally raised position.

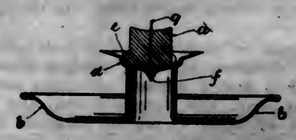


1,640,733. PITCHER FOR STERILIZED WATER. MARY LEE SLOCUMB, Shelby, Miss. Filed Jan. 13, 1927. Serial No. 160,936. 2 Claims. (Cl. 65—31.)



1. A pitcher of the character described comprising a body, a lid closing the body, the body having a spout below the lid and integrally connected to the body and a relatively short shield approximately concentric to the spout but spaced therefrom and integrally connected to the body, and a cover fitting over the spout but not touching the same and engaging with the shield.

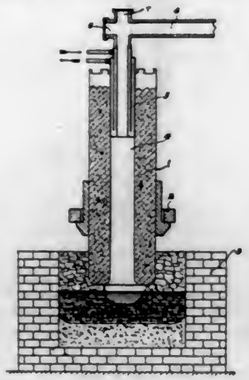
1,640,734. CANDLE HOLDER AND CANDLE. ROBERT WILLIAM SMITH, Filey, England. Filed Jan. 7, 1927, Serial No. 159,661, and in Great Britain Jan. 13, 1926. 2 Claims. (Cl. 67—23.)



1. The combination of a candle holder having a candle receiving socket, three equally spaced lugs projecting inwardly above said socket, a candle having three equally

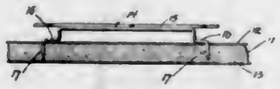
spaced outwardly projecting lugs adapted to pass between and be turned beneath said holder lugs, and wick receiving means in the bottom wall of the socket to receive and maintain the candle wick in upright position.

1,640,735. PROCESS OF MAKING CHANNELED CONTINUOUS ELECTRODES. CARL WILHELM SÖDERBERG, Christiania, Norway, assignor to Det Norske Aktieselskab for Elektrokemisk Industrie, Christiania, Norway. Filed May 10, 1924, Serial No. 712,423, and in Norway May 16, 1923. 7 Claims. (Cl. 204—64.)



1. The process of making continuous self-baking channeled electrodes for electric furnaces comprising the introduction of a body in the unbaked part of the electrode protecting the surrounding raw electrode mass against the heat from the channel and thus preventing the baking of said raw electrode mass.

1,640,736. PLASTER BOARD. JOSEPH STRAND, Los Angeles, Calif. Filed June 18, 1925. Serial No. 37,926. 4 Claims. (Cl. 72—124.)

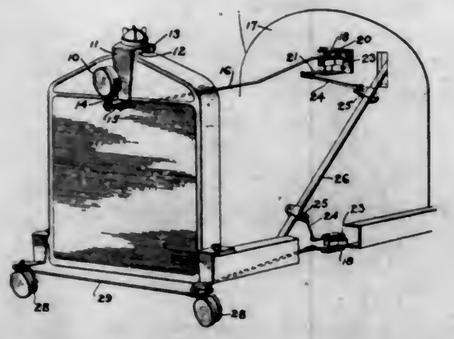


4. As an article of manufacture, wall board for building purposes, comprising means forming the body of the board of suitable or requisite thickness, and staple-like wire devices inserted through said board and formed and clinched to hold them rigidly therein preventing said devices from pushing in or pulling out with the head of each staple-like device spaced a distance from the face of the board which is to receive the plaster or other coating.

1,640,737. NITRATION PROCESS AND NITRATING MIXTURE THEREFOR. GUY B. TAYLOR, Wilmington, Del., and ALBERT S. RICHARDSON, Cincinnati, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 15, 1922. Serial No. 575,328. 13 Claims. (Cl. 260—142.)

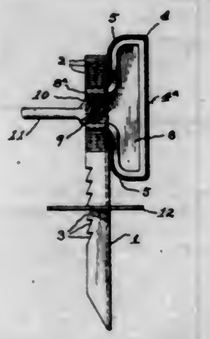
1. The process of producing an organic nitro compound which comprises absorbing nitrogen peroxide in sulphuric acid to form a mixture containing substantial proportions of nitric acid, sulphuric acid, and nitrososulphuric acid, subjecting an organic compound to be nitrated to the action of said mixture until reaction with the nitric acid of the mixture is substantially complete, and then separating from the spent acid the nitro-compound formed.

1,640,738. DIRIGIBLE HEADLIGHT. THOMAS F. TAYLOR, San Francisco, Calif. Filed Oct. 21, 1925. Serial No. 63,807. 6 Claims. (Cl. 240—62.)



1. The combination with a vehicle steering mechanism and a swiveled lamp, of an operating connection between the lamp and steering mechanism, comprising a pair of crank arms pivoted upon the frame of the vehicle and having a projecting portion near their pivoted ends, a spring acting against the projecting portion for maintaining the crank arms in central position, a loose connection between the steering mechanism and one of said crank arms, and a rigid connection between the other crank and the lamp.

1,640,739. ROAD FORM. HERAULT A. TRESTER, Milwaukee, Wis., assignor to Metal Forms Corporation, Milwaukee, Wis., a Corporation. Filed May 20, 1920. Serial No. 382,808. 21 Claims. (Cl. 25—118.)

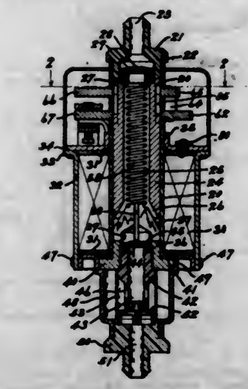


1. A form of the character described, including a stake, a hanger detachably applied to the stake, a lever controlled manually operable clamp member permanently carried by one of the members for obtaining a quickly detachable connection between the hanger and stake, and a rail carried by the hanger.

1,640,740. DRY POWDERED CLEANING COMPOSITION. JOSEPH TRUMAN, Hanover, N. H. Filed Nov. 20, 1922. Serial No. 602,233. 1 Claim. (Cl. 87—5.)

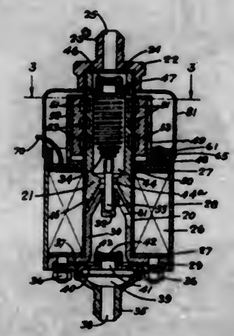
A cleaning composition consisting of a dry powdered mixture of soap 5.2%, soda ash 23.9%, silica 66.6%, and a moisture content of 4.3%.

1,640,741. PUMP. HUGH WALLACE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 9, 1924. Serial No. 712,165. 7 Claims. (Cl. 172—126.)



1. An electromagnetic motor comprising, in combination, a guide; a reciprocative member in the guide; an electromagnet coil for operating the reciprocative member; a second electromagnet including a winding and a plurality of pole pieces providing a divided magnetic circuit; a movable armature associated with the second electromagnet and adapted to be moved from one to the other of said pole pieces; a circuit interrupter in circuit with the reciprocative member operating coil, and operable by the movement of the said armature to control the energization of the said coil; and means provided on the said member to vary the magnetic circuit from one to the other of said pole pieces whereby to operate the interrupter operating armature.

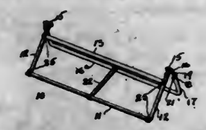
1,640,742. PUMP. HUGH WALLACE and JOHN H. HUNT, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 21, 1924. Serial No. 714,821. 7 Claims. (Cl. 172—126.)



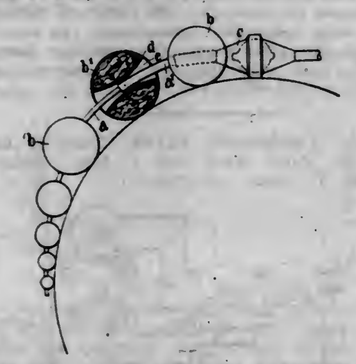
1. An electromagnetic motor comprising in combination a cylinder; a magnetic reciprocative member within said cylinder; a magnet winding for operating said member; means for controlling the energization of the magnet winding; and an armature exterior of the cylinder and operable by the magnetic drag of the moving reciprocative member to effect the operation of the magnet winding controlling means.

1,640,743. EMERGENCY BED. ANDREW F. YUHASZ, Cleveland, Ohio. Filed June 28, 1924. Serial No. 722,987. 2 Claims. (Cl. 5—71.)

1. A detachable headrest construction for emergency beds comprising a headrest frame having a resilient top bar and a supporting portion pivotally attached to said frame and adapted to fold flat thereagainst when collapsed, said support comprising two rods pivotally mounted in said frame and a tubular member having its ends bent to receive said rods, and means for adjustably securing said rods in said tubular ends.

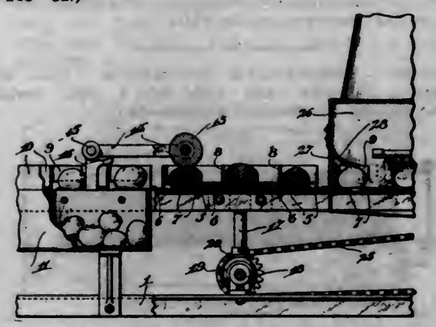


1,640,744. MEANS FOR PROTECTING CABLES FROM KINKING AT THE POINT WHERE THEY EMERGE FROM JUNCTION BOXES OR CASINGS. GEORG ZAPF, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Filed Feb. 5, 1926, Serial No. 86,303, and in Germany Apr. 17, 1925. 4 Claims. (Cl. 173—322.)



1. Means for protecting cables against kinking, where they emerge from a junction box during the laying of the cable when they run over leading sheaves and paying drums, comprising in combination with a cable a series of spherical bodies strung on the cable and capable of coming in direct contact with the leading sheaves and paying drums, the diameters of which spherical bodies decrease the further they are from the junction box, as set forth.

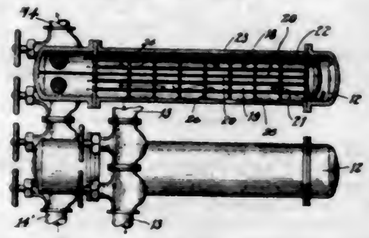
1,640,745. MACHINE FOR PREPARING FRUITS FOR CANNING. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Dec. 31, 1925. Serial No. 78,560. 5 Claims. (Cl. 146—81.)



1. A machine for preparing fruits for canning including an endless conveyor provided with spaced seats for the fruit; a rotary cutting disk adapted to sever the

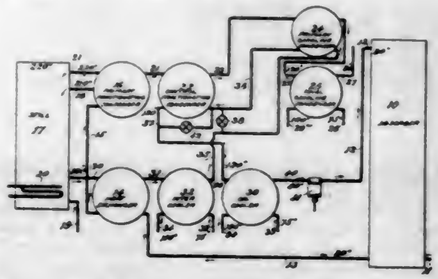
butts; means for holding the fruit against displacement, and means for imparting motion to the conveyor and the cutting disk.

1,640,746. HEAT EXCHANGER. CARL F. BRAUN, San Francisco, Calif. Filed Mar. 14, 1922. Serial No. 543,585. 4 Claims. (Cl. 257—239.)



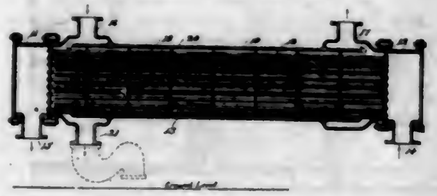
1. In a heat exchanger, a shell, a longitudinally extending tube nest unit comprising a plurality of parallel tubes, means for separating the tubes into groups extending along longitudinal passageways, and means for creating a tight joint between the separating means and the shell, while permitting the tube nest unit to be removably secured within said shell.

1,640,747. ABSORPTION PLANT. CARL F. BRAUN, Pasadena, Calif. Filed Feb. 7, 1923. Serial No. 617,494. 11 Claims. (Cl. 196—8.)



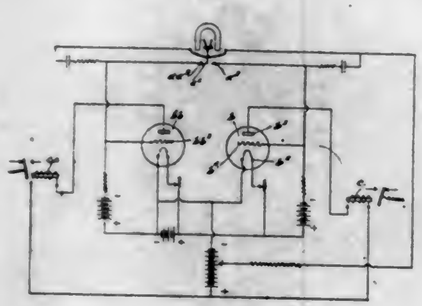
10. A method of absorption in which gasoline is recovered from natural gases, which consists in saturating a denuded menstruum in an absorber, thereafter carrying the saturated menstruum to a still where its vapors are given off at a relatively high temperature, and then condensing said vapors using water as a final cooling agent and employing the absorbing menstruum as an intermediate cooling agent between the still and the final vapor cooling water condenser at a temperature below the scaling temperature of the water.

1,640,748. PROGRESSIVE CONDENSER. CARL F. BRAUN, Pasadena, Calif. Filed Feb. 7, 1923. Serial No. 617,492. 4 Claims. (Cl. 196—94.)



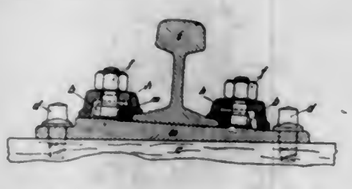
1. A method of condensation which consists in passing vapors longitudinally over and around cooling and dephlegmating surfaces of substantially equal surface areas.

1,640,749. ELECTRIC-TRANSLATING DEVICE. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed Apr. 6, 1923. Serial No. 630,294. 2 Claims. (Cl. 178—88.)



1. In a thermionic repeater, vacuum tubes, a receiver adapted to move in one direction in response to impulses of one polarity and in the opposite direction in response to impulses of opposite polarity, contacting devices operated by the movement of said receiver in either direction, each of said contacting devices being in circuit with the grid of a vacuum tube, and separate controlling devices in the plate circuits of said vacuum tubes whereby a current impulse of one polarity will be repeated by one of said controlling devices when the receiver moves in one direction and a current impulse of opposite polarity will be translated by the other translating device when the receiver is moved in the opposite direction, each of said translating devices being controlled by change of potential in the grids of the respective tubes.

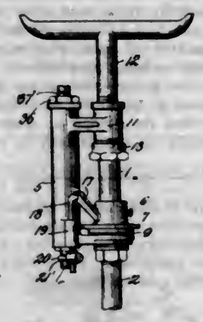
1,640,750. RAIL FASTENING. THEODOR BUCHHOLZ, Berlin-Zehlendorf-West, Germany. Filed Jan. 15, 1926. Serial No. 81,562, and in Germany Apr. 24, 1925. 20 Claims. (Cl. 238—304.)



1. A rail fastening, comprising a rail seat in combination with rib-like members, clips capable of bridging the said members, bolts for holding down the said clips and a recess in each rib-like member, into which the bolts can be inserted from the side, the bolts lying between the clip and the base of the rail, whereby they are held in position in the said recesses, as set forth.

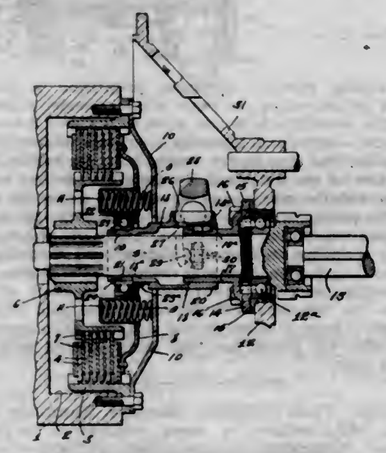
1,640,751. SPRINKLER. GUADALUPE BURLNA, Santa Barbara, Calif. Filed Mar. 6, 1926. Serial No. 92,669. 10 Claims. (Cl. 299—66.)

1. A sprinkling device comprising a stand pipe, a ratchet secured thereto, a cylindrical chamber mounted on said stand pipe to rotate relatively thereto, a water sprinkling member connected with said chamber to move therewith, and having communication with said stand pipe, means to control the passage of water from said standpipe to said chamber, a piston operable by water pressure within said chamber, means associated with said piston and engaging said ratchet continuously to rotate said chamber relatively to said stand pipe with



an intermittent motion, and means to exhaust the water from said chamber after each intermittent motion thereof.

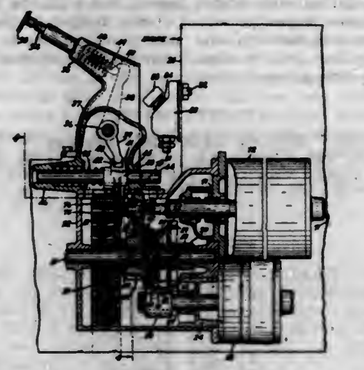
1,640,752. CLUTCH CONSTRUCTION. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Nov. 7, 1923. Serial No. 673,247. 6 Claims. (Cl. 192—110.)
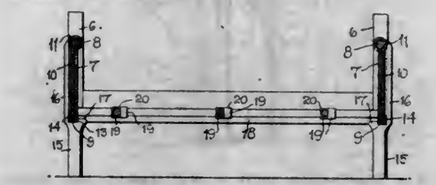


1. The combination of a clutch including a shaft, a member shiftable axially of the shaft and means for shifting said member and a transmission gear case having a bearing for the rear end of the shaft and a bearing cap mounted on the case and including a tubular portion encircling the shaft, the shifting means comprising a sleeve slidable axially on the shaft and on the tubular portion of the cap, the sleeve inclosing the tubular portion of the cap.

1,640,753. ENGINE-STARTING APPARATUS. WILLIAM A. CHRYST, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 18, 1925. Serial No. 24,065. 12 Claims. (Cl. 290—37.)

1. Engine starting apparatus comprising, in combination, an electric motor, a gear driven by the motor, means for moving the motor gear into mesh with a gear connected with the engine to be started and for causing the motor to operate, and means including a member rotatable independently of said first means and the motor for imparting rotation to the motor gear as it is advanced into mesh with the engine gear.

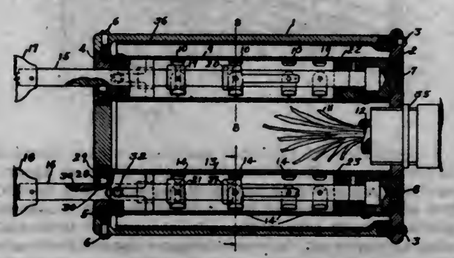


1,640,754. BEDSTEAD. MARK H. COVEY, Blue Mountain, Miss. Filed Nov. 27, 1926. Serial No. 151,229. 1 Claim. (Cl. 5—183.)



An extensible bedstead comprising two bedstead sections each having a longitudinal rail, supporting legs therefor and end walls, the end walls of one bedstead section being provided upon their upper edges with inwardly turned tubular guides, the end walls of the other bedstead section slidingly contacting with the inner faces of the end walls of the first named section and being provided with beads on their upper edges engaged in the respective guides, the lower edges of the walls of the latter bedstead section being provided with outwardly projecting longitudinally extending channels to receive the lower edges of the walls of the first bedstead section, and additional supporting legs fixed to the walls of the first named section and having guide seats to receive the guide channels of the lower edges of the walls of the second named bedstead section.

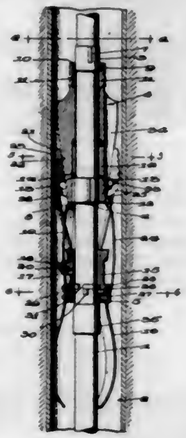
1,640,755. ELECTRIC SWITCH. ROBERT C. DEALE, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 25, 1923. Serial No. 659,339. 2 Claims. (Cl. 200—5.)



1. In a portable switch, the combination with a casing, a plurality of contact fingers located in said casing, and two plug members located in openings formed in said

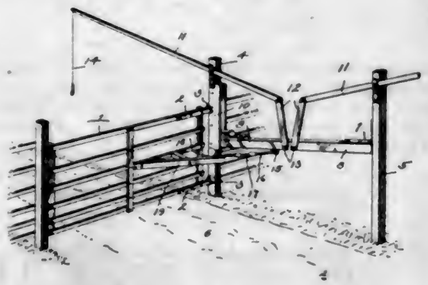
casing, of two contact rods projecting through said plug members into said casing, contact segments on said rods for engaging said contact fingers, and a pin on each of said rods projecting into a T-slot formed in the associated plug member, said slots permitting each rod to assume one position when lowered and to assume one of two positions when raised.

1,640,756. TUBING CATCHER. STEPHEN V. DILLON, Tulsa, Okla. Filed Jan. 19, 1927. Serial No. 162,043. 20 Claims. (Cl. 103—219.)



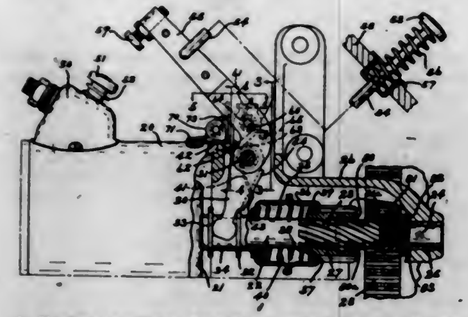
1. The combination with a well casing and tubing therein, of a tubing catcher including a slidable wedge block, a slip assembly, and friction means between the slip assembly and casing, said friction means supporting the slip assembly in the casing at all times, and the wedge block forcing the slip assembly down the casing as the tubing descends, said wedge block functioning to expand the slips of the slip assembly into locking engagement with the casing.

1,640,757. GATE. CHARLES M. EDWARDS, Washington Court House, Ohio, assignor of one-half to Melvin A. Harsh, Columbus, Ohio. Filed Aug. 15, 1924. Serial No. 732,164. 1 Claim. (Cl. 39—59.)



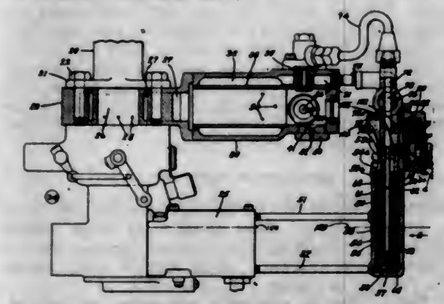
A mechanism of the class described, a gate mounted for swinging movement in a horizontal plane, an operating beam for said gate arranged perpendicularly to said gate when the latter occupies a closed position, a support upon which said gate is pivotally mounted for horizontal swinging movement, a second support spaced from said first named support and on which said beam is pivotally mounted for vertically swinging movement, a guide carried by said first named support for the reception of the free swinging end of said beam and serving to guide and limit the oscillatory travel of said beam in a vertical plane, pivoted operating devices carried by said supports and connected with said beam, a rigid offset structure extending horizontally from said gate contiguous to its inner or hinged end, and a flexible connection between the extreme outer portion of said offset structure and said beam, said connection being proportioned to pass beneath said beam when the latter assumes an elevated position, whereby the weight of the beam is utilized to retain the gate locked in either its opened or closed positions, said connection providing an adjustment to vary its effective length.

1,640,758. ENGINE-STARTING APPARATUS. GEORGE W. ELSEY, Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Sept. 25, 1924. Serial No. 739,954. 10 Claims. (Cl. 74—7.)



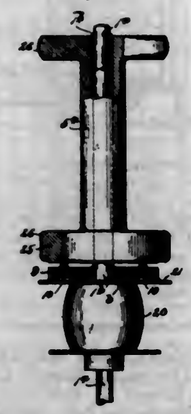
1. Engine starting apparatus comprising a motor; means for connecting the motor with the engine including a pinion movable axially into mesh with a gear connected with the engine, and including provisions whereby after the pinion has been partly meshed with the engine gear, operation of the motor will complete the meshing of the pinion with the gear; manually operable means for causing the pinion to be moved into mesh with the engine gear and for causing the motor to rotate the pinion, said means including an operating element and a spring for transmitting motion from said element to the pinion; and cushioning means for retarding the movement of the pinion into full mesh with the engine gear, said cushioning means being constructed and arranged to be operative only after the pinion has been partly meshed with the engine gear.

1,640,759. FUEL BURNER. GEORGE F. EMBSHOFF, Dayton, Ohio, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 24, 1923. Serial No. 641,253. 7 Claims. (Cl. 123—122.)



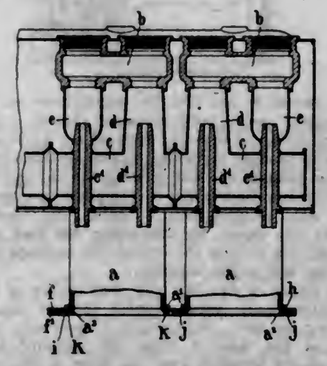
1. Apparatus for heating the intake of an internal-combustion engine comprising, in combination, a fuel burner having a combustion chamber communicating with the engine intake, and a fuel nozzle extending within the combustion chamber; a carburetor including a metering well, a fuel nozzle extending from the well, and a valve frame attached to the well and providing a secondary mixing chamber, receiving said fuel nozzle and having a passage for connecting the secondary mixing chamber with the burner fuel nozzle, and another passage for connecting the burner combustion chamber with atmosphere; and a device responsive to engine suction for controlling the admission of air directly to said passages.

1,640,760. FRICTION CONNECTION FOR SPINDLES AND BOBBINS OR SPOOLS. ELIAS J. EMERY, Lynn, Mass. Filed Nov. 1, 1922. Serial No. 598,412. 12 Claims. (Cl. 242—156.)



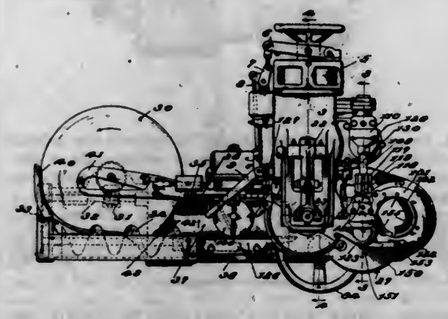
1. A friction device comprising a perforate tension disk adapted to be interposed between surfaces of a spindle and of a bobbin or spool respectively for the purpose of acting as a brake against relative rotation between said surfaces, and having one or more resiliently supported plugs adapted to engage with one of said surfaces and to be displaced against its resilient support by pressure in the direction of the axis of the spindle.

1,640,761. CYLINDER BLOCK FOR INTERNAL-COMBUSTION ENGINES. JENÖ FEJÉS, Budapest, Hungary. Filed June 17, 1926. Serial No. 116,693. 3 Claims. (Cl. 123—173.)



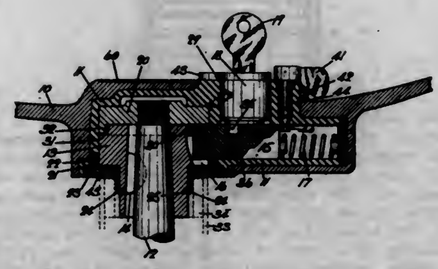
1. A cylinder block of pressed steel for internal combustion engines comprising in combination a cylinder, a cylinder head, induction piping, a bed plate, a recess in the bed plate for the reception of the cylinder and means for securing the cylinder to the bed plate, said means comprising an external shoulder near the lower end of the cylinder, a flange forming integral part with the bed plate and constituted by an inward projection and a downward projection whereby an annular recess is formed between the latter projection and the remainder of the bed plate, the inner surface of the downward projection being tapered, whereby after the cylinder end has been inserted into the recess formed in the bed plate with the shoulder resting on the top of the bed plate and the cylinder end has been pressed out against the tapered surface the cylinder is locked in position, and an outer metal weld along the edges of the downward projection and end of the cylinder, for the purposes set forth.

1,640,762. MACHINE FOR CLOSING FILLED CANS. HENRY A. FINK, Oak Park, Ill., and GEORGE FLOOK, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 17, 1925. Serial No. 63,103. 48 Claims. (Cl. 113—14.)



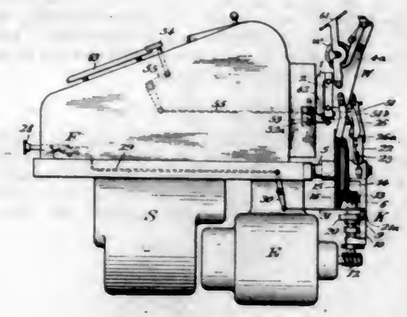
1. A filled can closing machine comprising a seaming head operating in a fixed position, mechanism for moving a filled can horizontally in a direction beneath the head, then in a curved path, upwardly toward the head, and finally in a vertical path into cooperative engagement with the head.

1,640,763. LOCKING STEERING WHEEL. HARVEY D. GEYER and ALVA W. SCOTT, Dayton, Ohio, assignors to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed May 22, 1923. Serial No. 640,783. 11 Claims. (Cl. 70—129.)



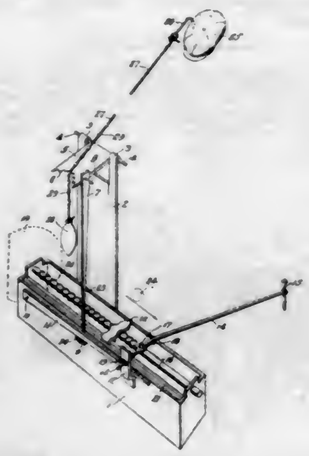
1. In a vehicle having a steering shaft, in combination, a steering wheel rotatably mounted upon said shaft, locking means for locking the wheel non-rotatably upon said shaft, a key lock for moving said locking means, a safety means independent of said key lock to positively hold said locking means in locked position, and means for automatically moving said safety means into safety position when the wheel is locked upon the shaft.

1,640,764. CARRIAGE-MOVING MECHANISM FOR TYPEWRITERS AND ADDING MACHINES. FERDINAND GLEIM, Schaffhausen, Switzerland, assignor to the Firm Wales Adding Machine Company, Schaffhausen, Switzerland. Filed Mar. 19, 1927, Serial No. 176,694, and in Germany Apr. 20, 1925. 4 Claims. (Cl. 197—65.)



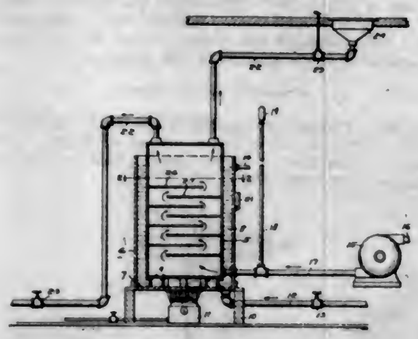
1. Carriage moving mechanism for typewriters, adding machines and the like, comprising in combination, a continuously rotating electric-motor and driving connections between said motor and the carriage including a clutch, a bipartite cord and a spring interposed in said two parts of the cord and adapted to tension said cord drive and to cushion shocks in the starting movement of the carriage.

1,640,765. GOLF PRACTICING AND TRAINING DEVICE. WILLIAM J. GOLDSWORTHY, San Francisco, Calif. Filed Mar. 22, 1926. Serial No. 96,543. 5 Claims. (Cl. 273—35.)



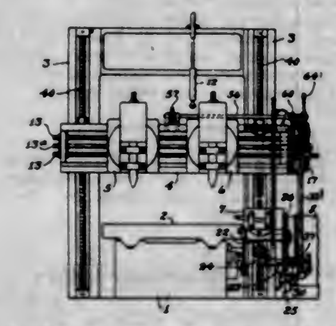
5. In a golf practicing and training device in combination, an elongated blow receiving means secured by one end, a spindle freely revolving in a support, an offset from the spindle in separable connection with the elongated blow receiving means, a worm on the spindle, a traveler actuated by the form and a distance scale for the traveler.

1,640,766. HEATING SYSTEM. LEWIS GRAFFLIN, Ocean View, Va., assignor, by direct and mesne assignments, to Two-Season Process, Incorporated, Norfolk, Va., a Corporation of Virginia. Filed Jan. 17, 1927. Serial No. 161,611. 5 Claims. (Cl. 126—110.)



1. In a hot air heating system, an air pressure storage tank, a water jacket surrounding the storage tank, means for applying heat to the exterior of the water jacket, means to withdraw heated air from the air pressure storage tank, and means for supplying air under pressure to the tank and maintaining the pressure substantially constant during the discharge of the air through the withdrawing means.

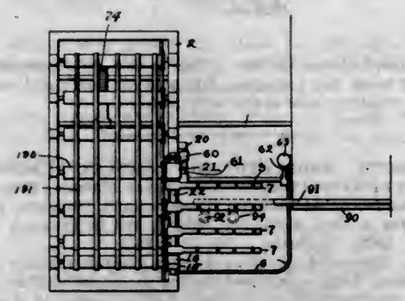
1,640,767. TOOL-OPERATING MECHANISM. GEORGE E. GREENLEAF, Plainfield, HAROLD L. BLOOD, North Plainfield, and Roswell H. Rausch, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed June 7, 1923. Serial No. 643,945. 9 Claims. (Cl. 90—49.)



1. In a planer or the like, the combination of a base, a reciprocating work table mounted thereon, two uprights respectively at opposite sides of the table, a cross rail mounted to slide vertically on the uprights over the table, a tool support movably mounted on the rail, means for intermittently feeding the tool support synchronously with the table reciprocation, a motor, and mechanism operated by the motor for traversing the tool support continuously, for moving the rail on the uprights and for clamping the rail to the uprights.

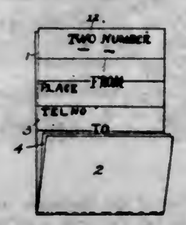
5. In a planer or the like, the combination of a base, a reciprocating work table mounted thereon, means for reciprocating the table, two uprights respectively at opposite sides of the table, a cross rail mounted to slide vertically on the uprights over the table, a tool support movably mounted on the rail, a screw operatively connected to the support, two coaxial gears on the rail rearwardly of the screw, means adapted to operatively connect either gear with the screw, mechanism for intermittently rotating one gear from the table reciprocating means, a motor on the rail operatively connected with the other gear, the said one gear being adapted to intermittently feed the tool support synchronously with the table reciprocation and the said other gear being adapted to traverse the tool support continuously, and mechanism operated from the motor operated gear for moving the rail on the uprights.

1,640,768. CARRY OFF. CHARLES J. GUTBERLET, Philadelphia, Pa. Filed Dec. 31, 1923. Serial No. 683,832. 8 Claims. (Cl. 271—83.)



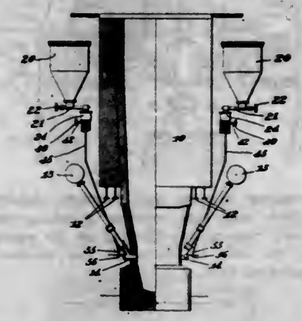
1. In a carry off for plate presses, the combination with a horizontally moving carriage and a moving bed having a step by step movement on which bed printed material is deposited by a fly, of a fly receiving the printed material from the carriage and depositing it upon the bed the sticks of which fly are provided with suction devices actively operating when the fly is turning and released when it is positioned above the bed.

1,640,769. TELEPHONE-RECORD TICKET PACK. CHARLES J. GUTBERLET, Philadelphia, Pa. Filed Dec. 17, 1925. Serial No. 76,046. 1 Claim. (Cl. 129—16.7.)



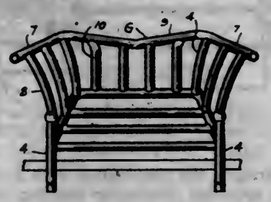
A ticket pack consisting of a pair of tickets of substantially the same shape and size, each folded at substantially the same distance from the top into a body portion and a flap, the flap of each ticket folding over a portion only of the body of each ticket and covering and hiding the face of the lower portion of said body, the lower portion of each of these tickets where the said face would be covered by the flap, containing appropriately designated spaces for confidential information, each of said pair of tickets containing different printed matter from the other, and the said tickets being packed in pairs, each pair consisting of one ticket of each kind, both folding the same way, and the flaps lying in the same direction one inside the other with the body and flap of one enclosing the body and flap of the other, the inner ticket having on the upper part of its face an appropriately designated space for the telephone number of the sender and upon the part covered by the flaps an approximately designated space for the number of the receiving telephone, and covering and concealing all matter on the face of the enclosing ticket and all matter on the enclosed ticket above the turned up flaps being concealed thereby, said bodies of said tickets being pinned together.

1,640,770. FEEDING APPARATUS FOR PULVERIZED MATERIAL. EDWARD H. HAMILTON and LEOTIS W. KIRK, Midvale, Utah, assignors to United States Smelting, Refining & Mining Company, Boston, Mass., a Corporation of Maine. Filed Feb. 4, 1920. Serial No. 356,339. 3 Claims. (Cl. 110—104.)



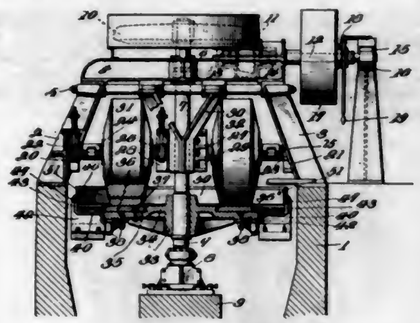
1. The combination with a blast furnace having a plurality of tuyères through which pulverized fuel is delivered to the furnace, of means for delivering pulverized fuel to each tuyère, a conduit for each delivery means through which the fuel flows, a trough from the bottom of which the conduits lead, and means for delivering pulverized fuel into the trough in an uncaked mobile condition and for maintaining it at a uniform depth above the mouths of the conduits.

1,640,771. GRATE. WILLIAM A. HANNUM, Grand Lake, Colo. Filed Dec. 4, 1926. Serial No. 152,628. 1 Claim. (Cl. 126—121.)



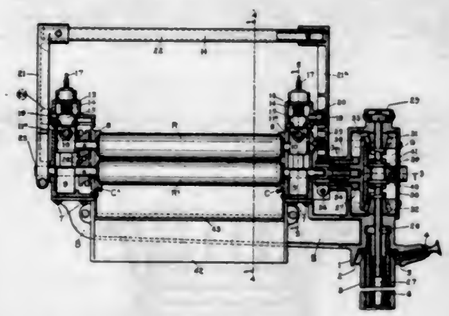
A grate structure comprising vertical tubular front corner post sections adapted to receive air currents through their lower ends and closed at their upper ends to provide air retaining pockets, horizontal tubular side sections joined at their forward ends with the corner sections at points below the upper ends thereof, bottom tubular sections joined with the said tubular side sections and bridging the space between them, upwardly disposed back and side wall tubular sections joined at their lower ends with the horizontal side and one of the bottom sections and a substantially U-shaped upper edge tubular section joined at points between its ends with the upper ends of all of the upwardly disposed back and side wall sections, said upper edge section being open at both of its ends to form air current outlets, said outlets being spaced and located substantially vertically above said corner post sections and the air retaining pockets thereof.

1,640,772. GRINDING PAN FOR GRINDING MACHINES FOR GRINDING CLAYS, SHALES, AND OTHER DRY AND SEMIDRY MATERIALS. THOMAS A. HIBBINS, Wellsville, Ohio, assignor to Stevenson Company, Wellsville, Ohio. Filed Mar. 20, 1925. Serial No. 16,993. 18 Claims. (Cl. 83—45.)



1. A grinding pan of the character described, comprising a flat horizontal rotating grinding surface, and an adjustable rim carried thereby on its outer edge for controlling the size of the spill way between the rim and the grinding face.

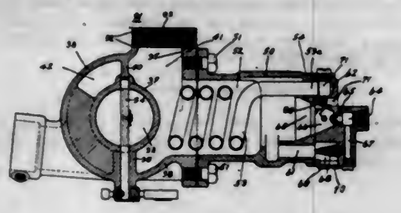
1,640,773. CLOTHES WRINGER FOR WASHING MACHINES. WINTHROP K. HOWE, Rochester, N. Y., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 18, 1921. Serial No. 445,984. 15 Claims. (Cl. 68—32.)



4. In a wringer, the combination with a pair of rolls, of a single operating handle for starting, stopping and reversing the rolls and for applying and releasing the pressure between the rolls, and means biasing the handle to a neutral position in which the rolls are stopped and the pressure therebetween removed.

1,640,774. HAND-PUMP PRESSURE BURNER. JOHN H. HUNT and HUGH WALLACE, Dayton, Ohio, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 23, 1923. Serial No. 640,990. 5 Claims. (Cl. 123—122.)

1. In a fuel burner for heating the fuel charge of an internal-combustion engine, the combination with a member attached to the engine intake and having a fuel passage 33 and a heating chamber 41 for the passage: of a burner body 50 providing a combustion chamber 52 attached to said member and communicating with the heating chamber 41; a nozzle block detachably secured to the burner body and having an air duct 71; an engine fuel duct 53 connected with said air duct and extending through said chambers and connected with said

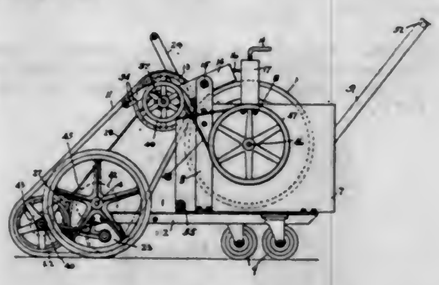


engine fuel passage 33; a fuel nozzle 80 supported by said block and projecting into said air duct; and means for supplying said nozzle with fuel.

1,640,775. PRODUCTION OF COMPLEX AUROTHIOSULPHATE COMPOUNDS. EINAR KEIDING, Birkerod, and JOHANNES KEIDING, Charlottenlund, Denmark. Filed May 3, 1926, Serial No. 106,545, and in Denmark Nov. 7, 1925. 3 Claims. (Cl. 23—115.)

1. Process of producing complex aurothio-sulphate compounds, which comprises reacting on an auro-halide with the thio-sulphate of an alkali forming metal in a solution containing some alcohol and precipitating the salt from the solution with alcohol.

1,640,776. PAINTING MACHINE. HENRY O. KUHLHOFF, Euclid, Ohio, assignor to The Continental Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 9, 1925. Serial No. 61,455. 20 Claims. (Cl. 91—54.)

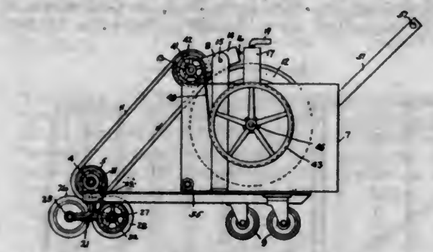


14. An apparatus of the character described having in combination a wheeled structure, a paint reservoir mounted thereon, a wheel supported adjacent to the upper forward portion of said reservoir, an applicator belt engaged over said upper wheel, means for supporting said applicator belt in contact with the surface to be marked, means within said reservoir for applying paint to the outer surface of said applicator belt, a belt lifter bar disposed beneath said applicator belt, pivotal supports for said bar having a plurality of adjustment apertures for the same, and means to move said bar and its supports to lift said belt away from the upper belt supporting wheel.

1,640,777. ROAD MARKER. HENRY O. KUHLHOFF, Euclid, Ohio, assignor to The Continental Products Company, Euclid, Ohio, a Corporation of Ohio. Filed Oct. 15, 1925. Serial No. 62,549. 8 Claims. (Cl. 91—48.)

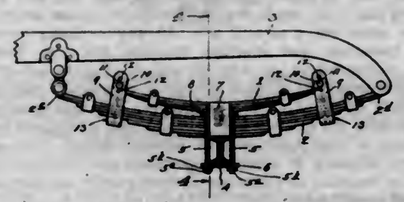
8. A paint conveying and distributing device for a painting machine, comprising a paint conveying belt,

means for supplying paint solely to the outer surface thereof, means for transferring paint from the belt to



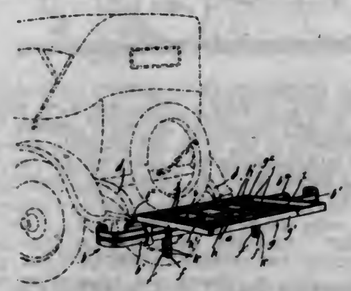
the surface to be coated and means for controlling the thickness of the coat of paint applied to said belt.

1,640,778. VEHICLE SPRING. FRANK J. LAHER, Portland, Oreg. Filed Oct. 2, 1924. Serial No. 741,164. 8 Claims. (Cl. 267—45.)



1. In a vehicle, the combination with a load carrying spring of an auxiliary spring, a pendent member at each side of said auxiliary spring adapted to hold said auxiliary spring against shifting longitudinally upon said load carrying spring, devices connecting the auxiliary spring with the load carrying spring at each side of the middle thereof, such connections being adapted to permit the normal flexure of the load carrying spring under a load less than a predetermined maximum, and to distribute the excess load between said auxiliary spring and said load carrying spring.

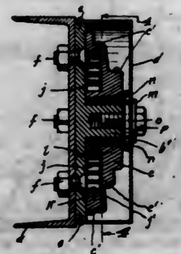
1,640,779. LUGGAGE CARRIER FOR AUTOMOBILES. FRANK J. LAHER, Portland, Oreg. Filed Feb. 26, 1925. Serial No. 11,763. 2 Claims. (Cl. 224—29.)



1. A luggage carrier attachment, of the character described, for vehicles comprising a rack provided at its lateral sides with spaced contiguous members extending parallel with said lateral sides and supporting brackets inserted between said members.

1,640,780. SHOCK ABSORBER. FRANK J. LAHER, Portland, Oreg. Filed May 21, 1925. Serial No. 31,820. 3 Claims. (Cl. 267—10.)

1. In a shock absorber of the character described, a base, a rotatable drum mounted thereon, a spiral spring controlling the rotation thereof, a flexible connection member wound about the periphery of said drum in a direction opposite to that in which said spring tends to rotate said drum, the mounting for said drum on said



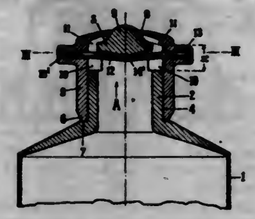
base having a face of relatively flexible material having relatively large co-efficient of friction, and means adjustable to vary the resistance of said face to the rotation of said drum.

1,640,781. ART OF MURAL DECORATION. CHARLES R. LAMB, New York, N. Y. Filed Nov. 3, 1924. Serial No. 747,682. 5 Claims. (Cl. 41—34.)



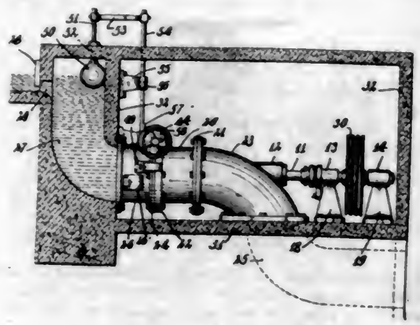
1. A method of mural decoration, which consists in forming separate plastic masses of cement mixed with different dry colors, and applying portions of such differently colored masses directly to different portions of a flexible fabric, according to an artistic decorative design, in such manner that the entire surface of the fabric will be covered and the contiguous marginal portions of plastic masses of different colors will unite while in moist condition, to form an integral sheet.

1,640,782. AUTOMATIC CLOSURE FOR COLLAPSIBLE TUBES OR THE LIKE. HUGO LENTZ, Berlin, Germany. Filed May 18, 1925. Serial No. 30,920. 6 Claims. (Cl. 221—60.)



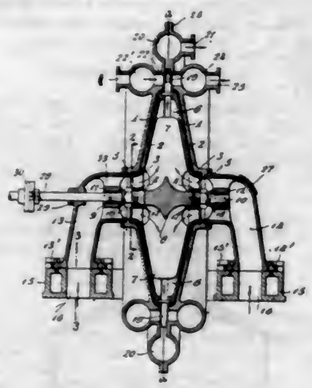
1. A closure for collapsible tubes and the like comprising in combination with the collapsible tube, a neck having an outlet passage, a cap reciprocably mounted on said neck and normally closing said passage, and a resilient member extending diametrically through apertures in the walls of said neck and across said passage, and being secured to said cap to yieldingly retain the cap in its normal position.

1,640,783. WATER TURBINE. JOSEPH LEOPOLD, New York, N. Y. Filed Jan. 22, 1926. Serial No. 82,981. 2 Claims. (Cl. 137—158.)



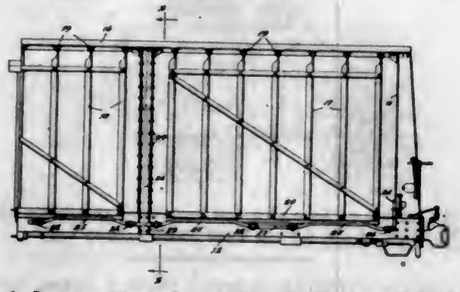
2. In a device of the class described, a reservoir casing, a valve operating mechanism for turbines comprising a float disposed in said casing, a rod rigidly attached to said float and slidably mounted in the upper wall of said casing, a vertical shaft slidably mounted exterior of said casing on the side wall thereof, rack teeth on the lower end portion of said shaft, a cross rod rigidly attached at one end to said vertical shaft and at the other end to the vertical rod of said float, and a pinion positioned to engage said rack teeth and adapted to be rotated by upward and downward movements of said shaft to regulate automatically the flow of water to said turbine for decreasing such flow when the float is raised by water in said reservoir and for increasing such flow when the float is lowered.

1,640,784. TURBINE AND ROTARY COMPRESSOR. CHRISTIAN LORENZEN, Berlin, Germany, assignor to Lorenzen-Turbinen Aktiengesellschaft, Bern, Switzerland, a Corporation of Switzerland. Filed Jan. 11, 1926. Serial No. 80,424, and in Germany Jan. 27, 1925. 5 Claims. (Cl. 230—128.)



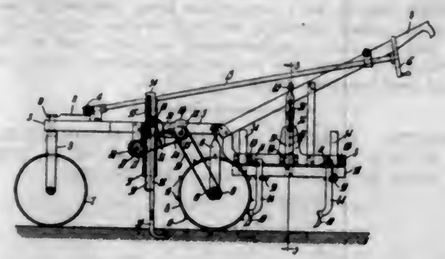
1. In a rotary compressor, a rotor having a substantially axial inlet for the fluid to be compressed and a peripheral outlet for the compressed fluid, a normally stationary pipe communicating with said inlet and provided with a bearing for said rotor, and a base provided with a guide, parallel to the rotor axis, along which said pipe may be adjusted.

1,640,785. PARTITIONLESS CANE CAR. ROBERT J. MAGOR, Montreal, Quebec, Canada, assignor to Magor Car Corporation, New York, N. Y., a Corporation of Delaware. Filed June 19, 1926. Serial No. 117,046. 10 Claims. (Cl. 105—355.)



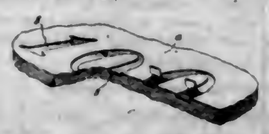
1. In a partitionless cane car, the combination of an underframe including a side sill, and a cross bearer, of a belt rail extending parallel to the side sill and positioned above the same, a plurality of side gates hinged at their upper edges to said belt rail and normally depending therefrom and abutting the side sill, two locking rods journalled to the side sill and coacting to constitute all the means for locking the gates in position engaging the side sill, a partition post between adjacent doors and connecting the side sill and belt rail, and a buttress brace in rear of the partition post secured thereto and operatively disposed to brace the partition post and belt rail and to transmit strains thereon downwardly and inwardly to the cross bearer.

1,640,786. AGRICULTURAL CULTIVATOR AND WEED CUTTER. COSTAS J. MAHERAS, Boston, Mass. Filed Oct. 13, 1924. Serial No. 743,193. 8 Claims. (Cl. 97—18.)



1. In combination with a wheeled frame, a vertically slidable shaft carrying a cutter, means for locking said shaft in lowered position, a member slidable vertically with relation to the frame and the shaft, a compression spring between said member and shaft, and means driven from a ground wheel for lifting said member and then releasing the locking means.

1,640,787. PROCESS OF COLORING LETTERS OR FIGURES IMPRESSED IN METAL TAGS, BADGES, ETC. OTIS M. MARTIN and CHARLES M. WEBSTER, Detroit, Mich. Filed May 25, 1925. Serial No. 32,618. 2 Claims. (Cl. 41—35.)



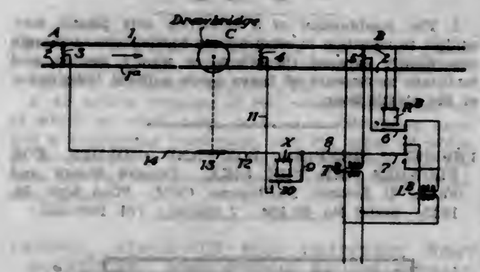
1. The method of applying a pigment to depressions in a metal article, which consists in providing a die for forming the depressions and placing over the metal blank a fibrous sheet carrying the pigment and then forcing the die toward the blank to sever portions of the sheet therefrom and force the severed portions carrying a pigment into the metal at the bottom of the depressions in the metal blank.

1,640,788. VIBRATION DAMPENER. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Original application filed Apr. 23, 1926, Serial No. 104,242. Divided and this application filed Nov. 12, 1926. Serial No. 148,024. 5 Claims. (Cl. 74—6.)



1. A vibration damping device comprising a rotating member, a plurality of radially opposed seats on said member, inertia means, and yielding means mounting said inertia means between said seats.

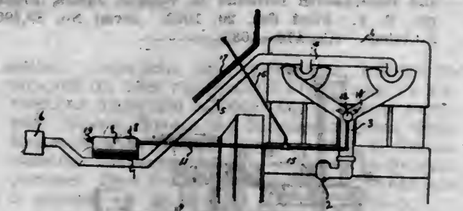
1,640,789. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 29, 1926. Serial No. 125,704. 2 Claims. (Cl. 246—34.)
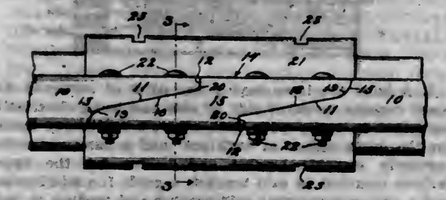


1. In combination, a section of railway track, a drawbridge located at an intermediate point in said section, a main train governing circuit for said section including the rails of the section from end to end as well as the winding of a relay and a contact operated by said drawbridge, and an auxiliary train governing circuit for said section including the rails from said intermediate point to the exit end of said section and a back contact of said relay.

1,640,790. ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JAMES C. MCCLAIN, Falls City, Nebr. Filed Nov. 1, 1923. Serial No. 672,235. 1 Claim. (Cl. 123—119.)

The combination with an internal combustion engine, an exhaust pipe connected thereto, and a muffler connected to said pipe, of a pressure tank arranged at a remote point from said engine and adjacent but above said exhaust pipe between the engine and the muffler and in proximity to said muffler, an inlet pipe connected between the exhaust pipe and said tank whereby the latter receives gases under pressure, a pressure relief valve arranged in said pressure tank, baffles arranged within said tank to cause the gases to flow therethrough in a tortuous path, and an outlet pipe connected at one end to said tank, said outlet pipe having an end projecting into the intake manifold and having an outlet opening of smaller diameter than said inlet pipe whereby the gas will be maintained under relatively high pressure in said tank.

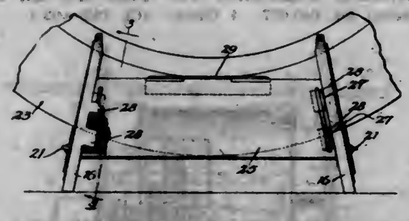


1,640,791. RAILROAD-RAIL JOINT. PETER MCGINLEY, Newark, Ohio. Filed May 14, 1926. Serial No. 109,052. 3 Claims. (Cl. 238—225.)



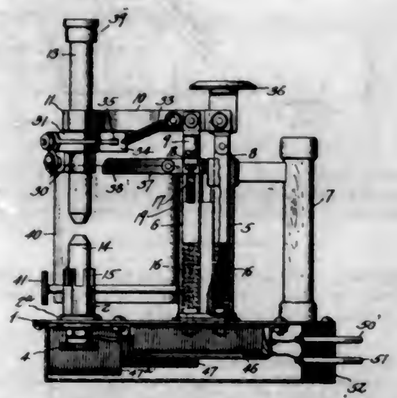
1. A rail joint comprising in combination with the adjacent ends of two rails substantially correspondingly cut away respectively at opposite sides to define inclined walls and shoulders, a block having its opposite sides straight, the block being interposed between the ends of the rails and having inclined surfaces and shoulders coacting with and coformingly engaging the inclined surfaces and shoulders of the rails, said block having its middle portion formed the full width of the adjacent rails and having a tread, base and web to conform to the rails.

1,640,792. TIRE-DISPLAY HOLDER. MYER METZGER, Chicago, Ill. Filed Oct. 1, 1923. Serial No. 665,872. 3 Claims. (Cl. 211—24.)



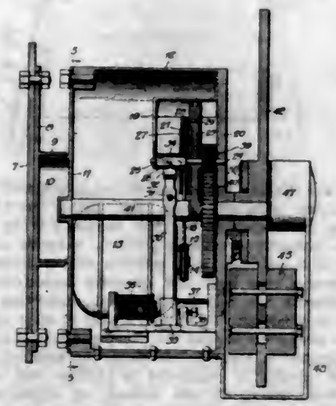
1. A tire display holder embodying a plurality of pairs of clamping members, each pair being provided with clamping jaws, each of the jaw members being provided with an inwardly extending portion, a single pivot connecting each pair of the respective said portions of the jaw members, the said jaw members embodying formations whereby the points of pivotal connection between the jaw members may be varied, a part of each of the said portions projecting beyond the pivot and to the side of the pivot opposite to the side on which the member to which the said portion is connected is located and shaped to form, when the jaws are opened, an abutment to be engaged by the tire when placed between the jaws to operate the jaws to clamp the tire, side members for the holder, and tongue and aperture connections between the ends of the side members and the respective clamping members for detachably connecting them.

1,640,793. HAND ARC LAMP. SVEND M. MEYER, Brooklyn N. Y., assignor, by mesne assignments, of thirteen-fortieths to Svend M. Meyer, Woodhaven, N. Y., and twenty-seven fortieths to William James, Brooklyn, N. Y. Filed Feb. 20, 1926. Serial No. 89,696. 2 Claims. (Cl. 176—103.)



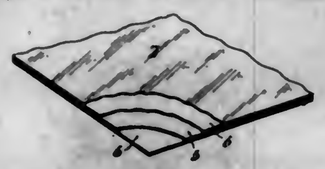
1. A hand arc lamp having two pairs of vertically disposed carbons mounted side by side and being electrically connected in series with each other, a sectionary holder for the lower carbon of each pair and a hand controlled vertically movable bracket and holder for the upper carbons mounted on said bracket, a guide for said bracket and a spring supporting said bracket and tending to hold it in raised position, a spring pressed shackle for each upper carbon holder normally engaging the carbon contained therein to prevent it from freely sliding, a tripping arm for each shackle disposed to lift it from its carbon when the bracket is depressed beyond a predetermined amount to permit the upper carbon to freely slide into contact with its lower carbon and an adjustable stop for controlling the upward movement of said bracket and steadying resistances disposed in the lower portion of said lamp and being electrically connected in circuit with said carbons.

1,640,794. AUTOMOBILE SIGNAL. GEORGE W. MICHAEL, Wilkes-Barre, Pa. Filed May 22, 1923. Serial No. 640,677. 1 Claim. (Cl. 192—.02.)



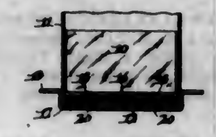
The combination of a rock shaft, an electric motor, a gear on the rock shaft, a counter shaft, a pulley and a pinion attached to each other and loose on the counter shaft, driving means between the motor and the pulley, a friction clutch member slidable on the counter shaft to engage the side of the pulley and permit slip when the movement of the rock shaft is obstructed, and an electromagnet in the motor circuit, controlling the action of the said clutch member.

1,640,795. WATERPROOF FABRIC AND ITS MANUFACTURE. JOHN STROTHER MILLER, Jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Apr. 29, 1925. Serial No. 26,603. 6 Claims. (Cl. 91—68.)



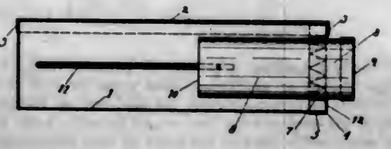
1. A waterproof fabric of the character described, comprising a bitumen-saturated-coated textile fabric varnished with a flexible leather-simulative varnish.

1,640,796. PLASTIC FLOOR AND BEARING THEREFOR. JOHN STROTHER MILLER, Jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Apr. 29, 1925. Serial No. 26,604. 4 Claims. (Cl. 94—3.)



1. The combination of a relatively soft plastic floor subject to vibration in service with bearing means therein superficially exposed theresbove to wholly sustain and facilitate movements of heavy loads without indentation of the plastic floor.

1,640,797. SHIPPING BOX AND HOLDER FOR FLOWERS AND THE LIKE. PHYENS MORIN and FRANK D. LORENZ, Burlingame, Calif. Filed Sept. 30, 1925. Serial No. 59,460. 7 Claims. (Cl. 206—65.)



1. A shipping box and holder for flowers and the like comprising a box having a removable outer wall and an open top, a cover for closing the open top of the box and for holding the removable outer wall thereto, and a holder carried by the removable outer wall and extending into the box said holder removable from the box with said removable outer wall.

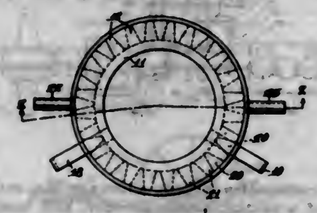
1,640,798. METHOD OF ELECTRIC WELDING. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Aug. 19, 1922. Serial No. 582,866. 2 Claims. (Cl. 219—10.)

1. The method of electrically welding two parts together which consists in providing a joint member with a web wider than the thickness of said parts and with a pair of flanges, both at one edge of the web, placing each of the two parts with one of its faces against one of said flanges and an edge against said web, pressing said parts against the flanges and passing a welding current across the contacting faces of said parts with said flanges so as to form welded joints between such faces and, after said



welded joints are formed, upsetting and spreading the projecting portion of said web to overlap it on the edges of said parts.

1,640,799. AIR-COOLED INDUCTOR COIL. EDWIN F. NORTHRUP, near Princeton, N. J., assignor to Ajax Electrothermic Corporation, Trenton, N. J., a Corporation of New Jersey. Field Aug. 1, 1925. Serial No. 47,595. 12 Claims. (Cl. 204—64.)

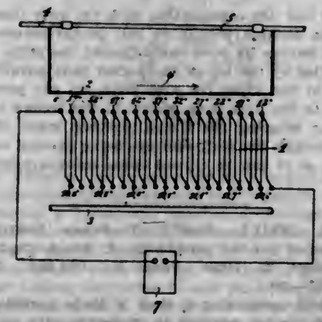


1. In an inductor furnace, an inductor of spiral form having projections in heat conductive relation therewith and spaces between the projections, in combination with a casing about the inductor and fluid supply for passing fluid through the spaces between the projections.

1,640,800. LAMINATED RUBBER. LESTER C. PETERSON, Akron, Ohio. Filed Jan. 3, 1927. Serial No. 158,826. 6 Claims. (Cl. 18—53.)

1. An article composed of two rubber compounds, one of which as compounded, contains a vulcanizing agent and a vulcanising accelerator, and the other of which, as compounded, is free from vulcanising agents and contains material which neutralises the effect of such vulcanising agents.

1,640,801. APPARATUS FOR MEASURING HEAT QUANTITIES. VIGGO STEPHAN KELLNER PETERSEN, Gjentofte, near Copenhagen, Denmark. Filed July 15, 1919, Serial No. 311,113, and in Denmark Dec. 21, 1918. 3 Claims. (Cl. 73—184.)



1. In an apparatus for measuring heat consumption, comprising a thermopile composed of a plurality of elements having hot and cold junctions of different temperatures, a conduit for the passage of the heating medium to be measured provided near the hot junctions, and a conduit for the passage of the cooling medium provided near the cool junctions.

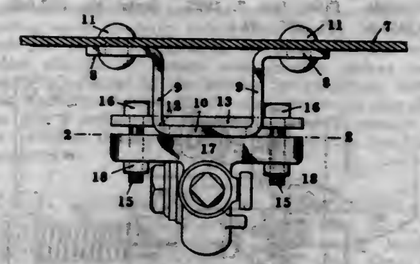
1,640,802. PROCESS OF PRODUCING COMBINED SHADES ON THE VEGETABLE FIBER AND IN MATERIALS TREATED ACCORDING TO SUCH PROCESS. GUSTAV PETZOLD and HEINRICH RITTNER, Offenbach-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Dec. 15, 1924, Serial No. 756,049, and in Germany Jan. 29, 1924. 4 Claims. (Cl. 8—5.)

1. A process of producing combined shades of azodyestuffs and vat dyestuffs on the vegetable fiber consisting in producing an azodyestuff on the fiber, an ester-salt of the leuco-compound of a vat dyestuff being present simultaneously, and in treating the fibers with oxidising agents in an acid medium.

1,640,803. PROCESS OF PRODUCING COMBINED SHADES OF AZODYESTUFFS AND VAT DYESTUFFS ON THE VEGETABLE FIBER AND IN MATERIALS DYED OR PRINTED ACCORDING TO SUCH PROCESS. GUSTAV PETZOLD and HEINRICH RITTNER, Offenbach-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort, Germany. Original application filed Dec. 15, 1924, Serial No. 756,049, and in Germany Feb. 1, 1924. Divided and this application filed June 24, 1925. Serial No. 39,377. 2 Claims. (Cl. 8—5.)

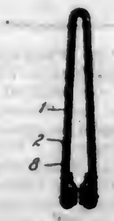
1. A process of producing combined shades of azodyestuffs and vat dyestuffs on the vegetable fiber consisting in impregnating the fiber with an alkaline solution of an azo-component, developing with a diazo-solution, an ester-salt of the leucocompound of a vat dyestuff being added to one of said solutions and in treating the fiber with oxidising agents in an acid medium.

1,640,804. RETAINING-VALVE BRACKET. FRANK H. PIETZSCH, St. Louis, Mo., assignor to Western Railway Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 28, 1927. Serial No. 171,675. 7 Claims. (Cl. 303—1.)



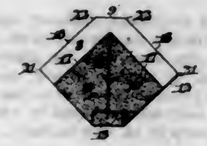
3. In a device of the class described, the combination with a bracket adapted to be secured to a car and having a part spaced therefrom, of an auxiliary member movable relatively to said bracket and projecting beyond said spaced part, said auxiliary member being provided with bends preventing its removal from the bracket, and bolts extending through the projecting parts of said auxiliary member and engaging a retaining valve.

1,640,805. COLLAR. WILLIAM H. RABELL, Pelham Manor, N. Y. Filed Oct. 25, 1924. Serial No. 745,762. 4 Claims. (Cl. 2—131.)



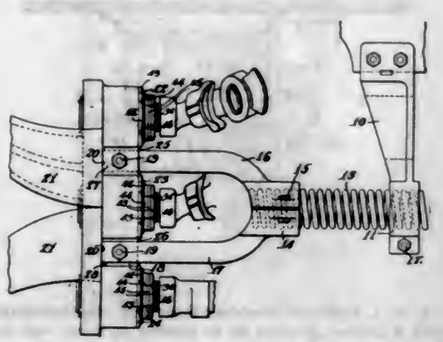
2. A semi-soft collar, comprising an interior, upstanding neck-band integral with a down-turning exterior face-piece, and button holes for attaching said collar to the neck-band of a shirt, said collar being constructed of a composite material comprising a layer of ordinary soft-collar fabric joined to a layer of soft rubber, said layer being vulcanized along the upper turned-down edge of said face-piece to form a permanent fold-line.

1,640,806. SHINGLE. GEORGE RITTER, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Sept. 21, 1925. Serial No. 57,485. 9 Claims. (Cl. 108—7.)



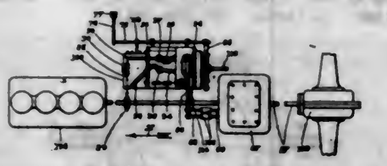
1. A shingle having a butt-tab and flanking foldable portions which, when retroverted, substantially convert said shingle to double-ply thickness.

1,640,807. TERMINAL SLEEVE FOR TRAIN PIPES IN CONNECTER HEADS. EDWARD A. ROBINSON, Montreal, Quebec, Canada, assignor of one-half to himself and one-half to Ellison Edward Workman, Montreal, Canada. Filed Jan. 7, 1922. Serial No. 527,568. 8 Claims. (Cl. 285—24.)



1. In an automatic train pipe connecter, a connecter head having an opening therethrough, a metallic train pipe terminal adapted to move within the opening and to be removed rearwardly therefrom, a gasket carried by the terminal and normally projected from said head, a spring surrounding said terminal, a collar threaded into said head, spaced radially at its forward end from said terminal and surrounding the spring, the removal of the collar permitting removal of the terminal, shoulders upon the terminal and collar respectively engaging opposite ends of the spring, a nut threaded upon the exterior of the collar to lock it in adjusted position, threads upon the rear end of the terminal, and lock nut devices for limiting the forward movement of the terminal with respect to the collar and head.

1,640,808. GEAR-CHANGING APPARATUS. RICHARD MATTHEWS RUCK, London, England. Filed Dec. 12, 1925, Serial No. 74,939, and in Great Britain Dec. 12, 1924. 9 Claims. (Cl. 74—58.)



1. The combination with an automatic gear-shifting apparatus, of a control handle therefor, said handle being displaceable in either of two directions from a normal position to cause the gears to be shifted, and means actuated by said apparatus for restoring said handle to its normal position.

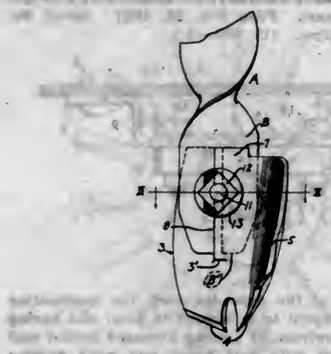
1,640,809. GOLF BAG. JOHN EDWARD SCHANK, Chicago, Ill., assignor to R. H. Buhrke Co., Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 17, 1922, Serial No. 595,044, and in Canada Nov. 2, 1922. Divided and this application filed Nov. 14, 1924. Serial No. 749,828. 2 Claims. (Cl. 150—1.5.)



1. In a bag, the combination with the body thereof, of a rigid strip secured thereto, a ball pocket secured to the body and having its open end adjacent the strip, a second strip carried by the top of the pocket body parallel to and movable to and from the first strip, an eye permanently attached to the first strip, a slot in the second strip, and means for securing the strips together when the eye is passed through the slot, said eye being pivoted relative to the strip so it can be turned down substantially parallel thereto.

1,640,810. DRILL. SAMUEL T. SKEEN, Centralia, Ill., assignor of one-half to Charles E. Stead, Centralia, Ill. Filed Sept. 25, 1923. Serial No. 664,606. 5 Claims. (Cl. 255—69.)

1. A drill comprising a stem, a blade provided with a bifurcated portion adapted to cooperate with an end portion of said stem whereby said blade may be detachably attached to said stem, the oppositely disposed leg portions of said bifurcated portion of said blade being out of alignment with each other and flat side faces of said leg portions being in contact with the opposite side faces of said



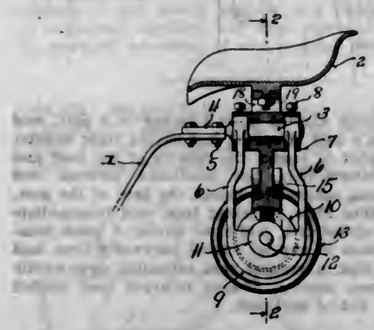
end portion of said stem, and means whereby said blade is securely held in place on said stem.

1,640,811. GRUBBER OR CULTIVATOR. GEORG KARL SPITZENBERG, Zackerick, Germany. Filed Feb. 24, 1925, Serial No. 10,998, and in Germany Feb. 29, 1924. 8 Claims. (Cl. 97—215.)



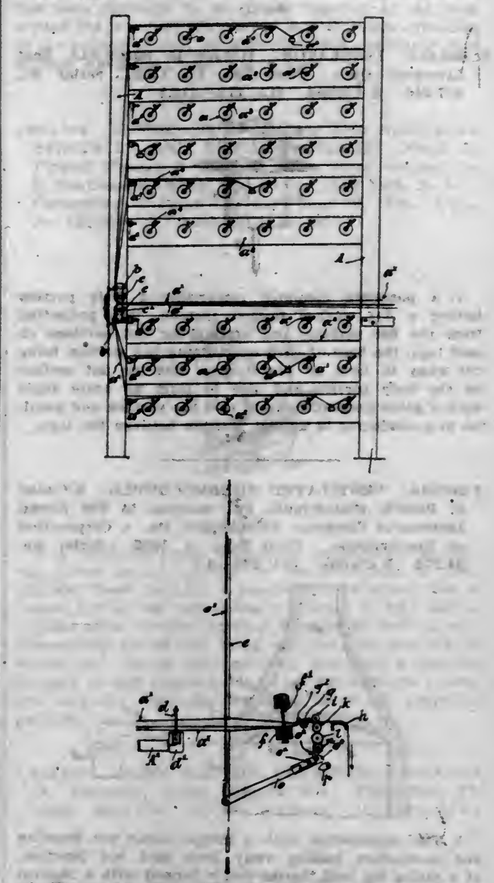
1. A rotary grubbing member provided with grubbing blades each of which has two shanks connected at their outer ends by an outwardly tapering flat portion and spaced at their body portions, the body portions of said two shanks being located laterally of each other so that they will rotate in different paths.

1,640,812. SEAT ADJUSTER. FRED AMMON, Waukegan, Ill. Filed Oct. 9, 1925. Serial No. 61,484. 1 Claim. (Cl. 155—121.)



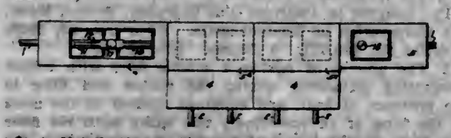
A seat adjuster for vehicles having a supporting, rearwardly extending spring bar, said seat adjuster comprising a pin having a cylindrical portion projecting from the end of said bar and having a flattened portion secured to said bar, a U-shaped frame carried by said cylindrical pin and having spaced arms through which said pin projects, means for locking said arms to said pin, a segmental gear revolubly mounted upon said pin, a worm meshing with said gear, a hand wheel operatively coupled with said worm, a seat mounted above said segmental gear, and means for securing said seat to said gear.

1,640,813. LOOM. STEPHEN BARNWELL, Manchester, and REGINALD HARRINGTON BARNWELL, Potter Heigham, England. Filed Feb. 25, 1925, Serial No. 11,430, and in Great Britain Feb. 27, 1924. 2 Claims. (Cl. 139—305.)



1. The combination with a loom having a harness, of a series of independent pairs of rotatable feed rollers extending across the loom, independent gearing for rotating each pair of rollers, normally inoperative ratchet mechanism adapted to engage said gearing, means automatically actuated by the harness for selectively setting said ratchet mechanism in operative relation to said gearing, and a rocking cam member adapted to actuate the set ratchets thereby to rotate the gearing associated therewith.

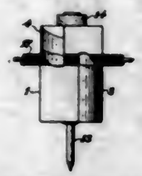
1,640,814. DISTRIBUTION UNIT FOR ELECTRIC CIRCUITS. WILLIAM C. BLACKWOOD, Elmhurst, N. Y., assignor, by mesne assignments, to Thomas E. Murray, jr., Brooklyn, N. Y. Filed Feb. 21, 1922, Serial No. 538,212. Renewed Mar. 31, 1926. 8 Claims. (Cl. 247—1.)



8. A distributing unit comprising a casing, a main bus held in position on the bottom of the casing, a branch ex-

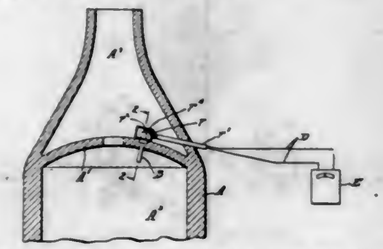
tending through a side wall of the casing and overlying said bus, an insulating member carried on said bus between the bus and the branch and a removable connector passing through the branch and the insulating member and engaging the bus.

1,640,815. INSULATOR. HORACE D. BROOKMAN, East Liverpool, Ohio. Filed Feb. 17, 1922. Serial No. 537,246. 3 Claims. (Cl. 173—316.)



1. A porcelain insulator comprising a body portion having a flat surface formed thereon, lugs projecting from the flat surface, and overlapping end portions on said lugs, the base of each overlapping end portion being cut away to form an acute angle with the flat surface on the body portion and also to form an acute angle with a plane perpendicular to said flat surface and parallel to a conductor in normal position between the lugs.

1,640,816. VENTILATED THERMOCOUPLE. RICHARD P. BROWN, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 3, 1925. Serial No. 54,272. 5 Claims. (Cl. 136—4.)



1. The combination with a thermo-couple hot junction and conductors leading away from said hot junction, of a casing for said thermo-couple formed with a channel for conductor cooling air having an inlet and outlet at greater and less distances, respectively, from said hot junction.

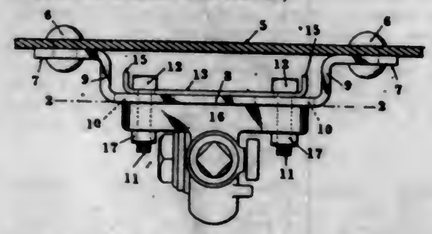
1,640,817. ART OF MAKING RECLAIMED RUBBER. CHARLES H. CAMPBELL, Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1926. Serial No. 143,520. 6 Claims. (Cl. 18—52.)

1. The process of reclaiming rubber which comprises the addition to the mass to be reclaimed of albuminate of a metal prior to devulcanization and then devulcanizing.

1,640,818. PROCESS OF MIXING A SOLUBLE FILLER WITH RUBBER. CHARLES H. CAMPBELL, Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1926. Serial No. 143,521. 5 Claims. (Cl. 18—50.)

1. The process of mixing a soluble filler with rubber comprising intimately mixing the rubber and filler in the presence of heat, and moisture applied to the mass in the form of an exceedingly fine spray until the filler has been dissolved and thoroughly incorporated in the mass and afterward expelling moisture from the mass.

1,640,819. RETAINING-VALVE BRACKET. STERLING H. CAMPBELL, St. Louis, Mo., assignor to Western Railway Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 23, 1927. Serial No. 170,184. 6 Claims. (Cl. 303—1.)



6. In a device of the class described, the combination with a bracket adapted to be secured to a car and having a part spaced therefrom, of a strap arranged behind said part and provided with bolt holes, and bolts passing through said holes and adapted to secure a retaining valve in position, said strap being out of contact with the bracket adjacent to said bolts whereby the spring of the strap provides a resilient fastening for the valve.

1,640,820. TOWEL HOLDER. WALTER CHOINSKI, Milwaukee, Wis. Filed Feb. 5, 1926. Serial No. 86,252. 1 Claim. (Cl. 45—32.)

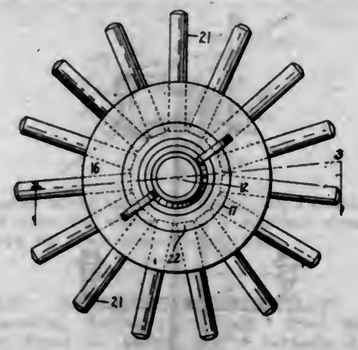


A towel holder adapted to be attached to a post, said holder having a pair of spaced feet having right angular portions adapted to engage the corners of the post and having an intermediate foot positioned between said spaced feet and adapted to engage the face of the post, a pair of arched arms extending from said intermediate foot to said spaced feet, said arms having a brace member joining them at a point spaced outwardly from said intermediate foot, a vertical post extending downwardly from said brace member, and an enlarged head carried by the lower end of said post.

1,640,821. COIL-WINDING FORM. HARRY J. COCKS, Des Moines, Iowa, assignor to Metal Products Company, Des Moines, Iowa, a Corporation of Iowa. Filed Sept. 7, 1926. Serial No. 133,835. 2 Claims. (Cl. 242—1.)

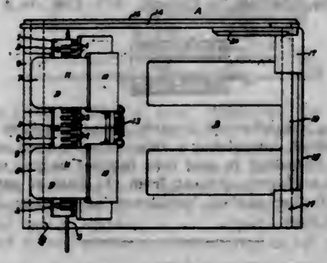
1. In a form for winding coils, an annular disc having a central opening to receive a shaft and having a series of holes extending radially inwardly from the periphery of the disc, said disc having in one side an annular recess, a locking plate adapted to be projected

into said recess having a central hole to receive a spindle, a plurality of pins having their inner ends received in said holes and projecting into said recess for portions



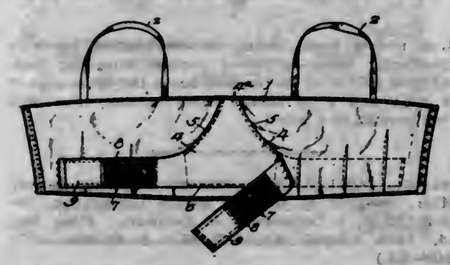
of their lengths and portions of their diameters, and means for locking said plate in said recess for gripping and holding said pins.

1,640,822. BELT-LACING DEVICE. WILLIAM CRAMER, St. Louis, Mo., assignor, by mesne assignments, to Isidor M. Jacobs. Filed Oct. 30, 1924. Serial No. 746,763. 4 Claims. (Cl. 1—49.4.)



4. A belt lacing device comprising an anvil, staple holding mechanism, and a pivoted hammer, said hammer comprising a pair of independently movable hammer members, a coil spring whereby said hammer members are connected together, and stop members for limiting the rearward movement of said hammer members.

1,640,823. BRASSIÈRE. KATHERINE E. CUNNINGHAM, Chicago, Ill., assignor to The H. W. Gossard Co., Chicago, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,470. 3 Claims. (Cl. 2—42.)



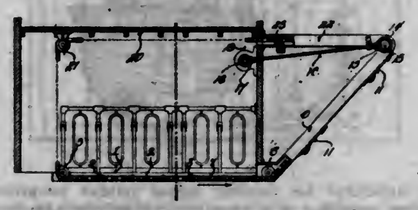
2. A garment of the character described and comprising a complete brassière proper, an inner member of firm material having a central relatively narrow upward extension extending to a point adjacent the top of the brassière and secured along its upper portion to the brassière and having opposite broad lateral attaching portions at its base, the central portion of the base of said inner member being marginally secured to the brassière and said attaching portions being free, and free elastic belt sections secured to said attaching portions and having their free ends arranged to be clasped together at the back around the waist of the wearer, said brassière extending to the bottom of said inner member and concealing such member when the garment is in use.

1,640,824. COMBINATION METAL AND NONMETAL SPECTACLE AND EYEGLASS FRAME. EDGAR R. DURGIN, Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 16, 1924. Serial No. 732,404. 7 Claims. (Cl. 88—47.)



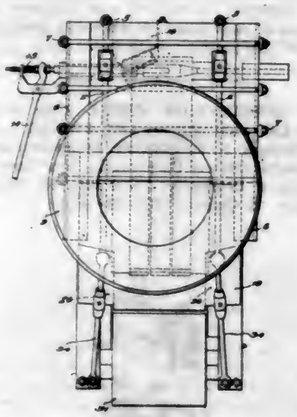
5. A spectacle frame comprising co-operating metallic end pieces having opposed cut away portions in their adjacent faces to form a temple butt receiving slot, a temple having its butt pivotally secured in said slot, a zylonite shell covering exterior surfaces of each of said co-operating pieces and being cut away at one end to expose said temple butt receiving slot, and a zylonite covering on said temple having a portion arranged to conceal said slot when the temple is in normal operating position.

1,640,825. BARN MANURE CONVEYER. BENJAMIN W. FLINTROP, Hales Corners, Wis. Filed Mar. 17, 1926. Serial No. 95,231. 2 Claims. (Cl. 198—172.)



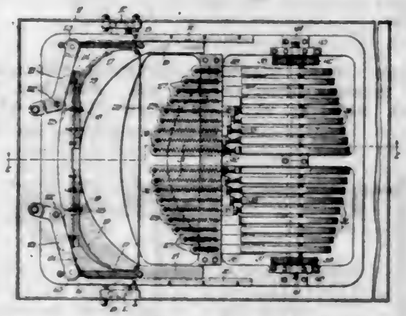
1. The combination of a barn having a floor and having a channel inset below the floor line, said channel having inwardly directed overhanging marginal flanges, an endless power-driven conveyer consisting of a pair of spaced chains mounted below said flanges, and scrapers positioned between said chains and having ears projecting below said flanges, guiding members for leading said conveyer into and out of said channel, an upwardly and outwardly projecting chute through which said conveyer is led, said chute having discharge doors, guiding means located adjacent the upper portion of said barn and over which said conveyer is passed, said last guiding means being located approximately directly over the rear end of said channel.

1,640,826. ELECTRIC FURNACE. CHARLES B. FOLEY, Pottstown, Pa., assignor to Charles B. Foley, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 23, 1922. Serial No. 545,984. Renewed Oct. 30, 1925. 12 Claims. (Cl. 204—64.)



1. An electric induction furnace comprising a crucible consisting of a strong inflexible shell, a relatively thin refractory lining and a layer of tubes between said shell and lining for carrying a refrigerant.

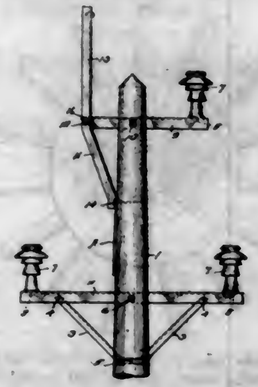
1,640,827. ADJUSTABLE FORM FOR SHAPING ARTICLES. WILLIAM H. FRATER, Detroit, Mich., assignor to American Autoparts Company, Detroit, Mich., a Corporation. Filed July 18, 1923. Serial No. 652,264. 6 Claims. (Cl. 153—51.)



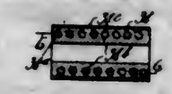
1. Apparatus for forming curved articles comprising a form consisting of a plurality of relatively adjustable elements, rotary cams engaging the elements, a shaft carrying the cams whereby they may be rotated to simultaneously adjust the elements, and means for forcing the article against the adjusted form elements.

1,640,828. METAL CROSS ARM FOR SUPPORTING ELECTRIC CONDUCTORS. LEWIS HAMILTON HARDIN, Charlotte, N. C., assignor to Southern Electrical Equipment Co., a Corporation of North Carolina. Filed Mar. 10, 1925. Serial No. 14,562. 5 Claims. (Cl. 189—33.)

1. A horizontal upper cross arm adapted to be fastened to a pole, said arm being adapted to carry an insulator, and having the end distant from the insulator bent laterally beyond the point where the arm is bolted to the pole, a bayonet to an intermediate portion of which the bent end of the cross arm is bolted, said bayonet having the portion below the cross arm bent inwardly toward the pole, the end being adapted to be fastened to the pole.

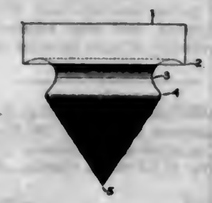


1,640,829. INCANDESCENT ELECTRIC LAMP. JOHN ALLEN HEANY, New Haven, Conn. Filed May 15, 1918. Serial No. 234,756. 9 Claims. (Cl. 176—16.)



9. In an incandescent electric lamp, a glower of the type described, comprising a tube of refractory material, a resistor embedded in said tube interior having elements positioned uniformly distant from the axis of said tube, and a radiating surface positioned at another distance from said tube.

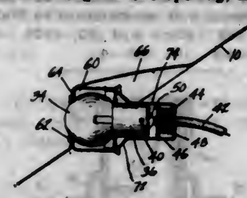
1,640,830. TRAFFIC MARKER. ALEX R. HUNT, San Francisco, Calif. Filed Oct. 18, 1924. Serial No. 744,365. 3 Claims. (Cl. 94—1.5.)



1. A paving block having an overhanging top with perpendicular sides; a curved portion extending backward from said sides and upward above the lower edge of said top; and a pyramidal base tapering from said curved portion to a point.

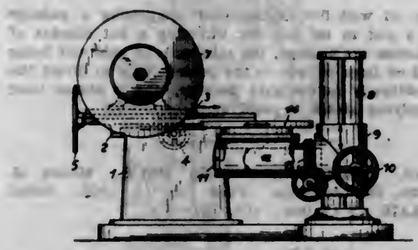
1,640,831. COWL LIGHT. ORMOND E. HUNT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 14, 1924. Serial No. 732,095. 9 Claims. (Cl. 240—8.2.)

1. A cowl light comprising, in combination, a casing in two parts having interengaging portions, means to secure one of said parts to a cowl, said part having an opening, an electric bulb having a substantially spherical glass front, means to hold the bulb in said casing with the spherical front projecting outwardly through the opening and with the bulb held at its front end by engagement with the edge of the opening, means to ground



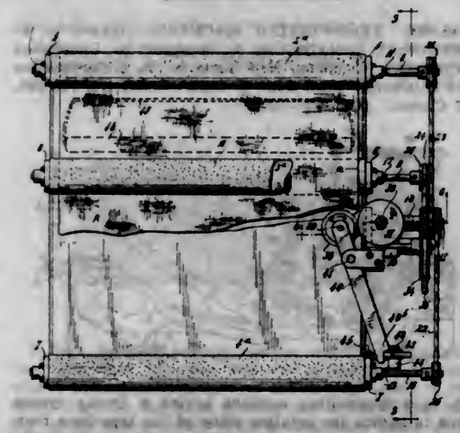
one contact of the bulb to the casing, and a conductor insulated from the casing and in electrical communication with the other contact of the bulb.

1,640,832. HIGH-SPEED FRICTION SAW. ADOLF JACOBOWITZ, Nuremberg, Germany. Filed Mar. 10, 1926, Serial No. 93,716, and in Germany Jan. 20, 1926. 3 Claims. (Cl. 29—69.)



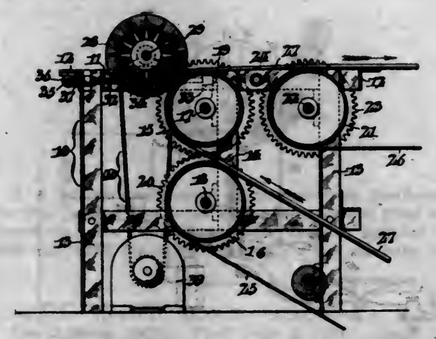
1. A high-speed friction saw, comprising, in combination, an electromotor and its shaft, a toothless cutting disk located upon said shaft, a base and on it two slides arranged at right angles with respect to each other, the upper slide carrying said motor with said shaft and disk, a table adapted to receive and hold fast the workpiece and being adapted to be adjusted relatively to said slides in any position, substantially as set forth.

1,640,833. FABRIC-CUTTING MACHINE. OSCAR I. JUDELSHON, Park Ridge, N. J. Filed Oct. 22, 1925. Serial No. 64,116. 12 Claims. (Cl. 164—61.)



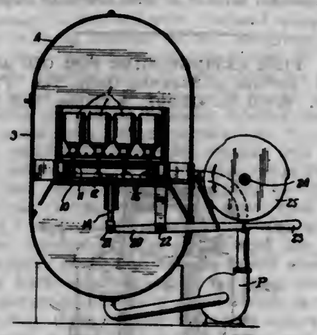
1. A fabric cutting machine comprising means to feed tubular or folded fabric, a cutter mounted to operate against the folded edge portion of the fabric, and means supporting the cutter between webs of fabric.

1,640,834. MACHINE FOR TREATING RUBBER. JOHN KEARNS, Conshohocken, Pa., assignor to The Lee Tire & Rubber Co., Conshohocken, Pa., a Corporation of Pennsylvania. Filed May 16, 1922, Serial No. 561,549. Renewed Jan. 27, 1927. 3 Claims. (Cl. 15—40.)



1. A machine for treating the surface of rubber stock in the form of a strip of indefinite length comprising a rotary abrasive element, a conveyor to bring the strip to the abrasive element, a roller around which the strip is trained to present succeeding portions of its surface to the action of the abrasive element, a conveying means to carry away the treated portions of the strip, and independent means for operating the abrasive element and the roller and conveying elements.

1,640,835. JET WASHING MACHINE. IRA H. KENDALL, Potsdam, N. Y., assignor to Manning Manufacturing Company, Rutland, Vt. Filed Jan. 28, 1927. Serial No. 164,187. 4 Claims. (Cl. 141—7.)

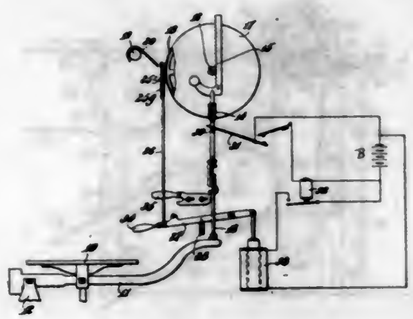


1. A jet washing machine comprising a jet box having jet openings associated therewith, a movable member having a plurality of pins and mounted in said box, the said pins being respectively aligned with the said jet openings, and means adapted to actuate the said movable member to cause the said pins to clear the said jet openings.

1,640,836. SCALE. GEORGE W. KEPLER, Dayton, Ohio, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Apr. 27, 1920. Serial No. 376,914. 20 Claims. (Cl. 265—57.)

1. In a scale having a support for the goods to be weighed, an automatic counter-balance therefor, a relatively displaceable weight indicator and index means, a

plurality of sets of weight-indicating numerals upon said weight indicator, said sets each having predetermined coacting numerals registering concurrently with said index means in the various relative positions of the indicator

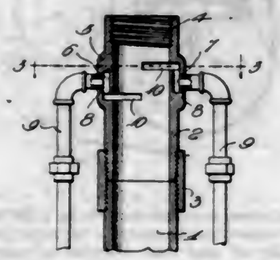


and index means, and means called into action upon a predetermined load being placed upon the platform for changing the visibility of the display of said coacting numerals at the index position from one set to the other.

1,640,837. METHOD OF CONTROLLING EVOLUTIONS OF ELEMENTAL SULPHUR. GUSTAF NEWTON KIRSEBOM, Salt Lake City, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me., a Corporation of Maine. Filed Nov. 16, 1925. Serial No. 69,506. 5 Claims. (Cl. 75—60.)

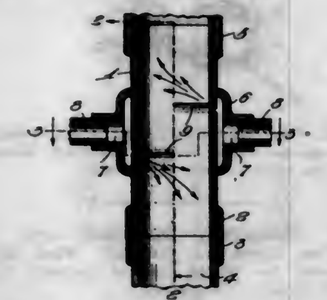
1. The method of controlling the evolution of elemental sulphur from ores containing sulphide in sintering machines which consists in providing arsenic to combine with the elemental sulphur to form arsenious sulphide.

1,640,838. FIRE EXTINGUISHER FOR OIL AND GAS WELLS. EDWARD A. KLIEWER, Olden, Tex. Filed Jan. 17, 1921. Serial No. 437,907. 8 Claims. (Cl. 169—4.)



1. A fire extinguisher attachment for oil and gas wells comprising a nozzle adapted for connection with the upper end of a well casing, the walls of the nozzle being thickened at a point intermediate its length to provide a collar, the collar being provided upon opposite sides with vertically disposed pockets and ports extending through the outer face of the collar, one pocket having its upper end communicating with an annular groove formed in the inner face of the nozzle and the second pocket having its lower end communicating with an annular groove formed in the inner face of the nozzle.

1,640,839. FIRE EXTINGUISHER FOR OIL WELLS. EDWARD ALBERT KLIEWER, Tulsa, Okla., assignor of twenty-four per cent to F. G. Lippitt, one thirty-second to J. W. Castleman, and one-sixteenth to Walter David, Breckenridge, Tex. Filed Apr. 12, 1923. Serial No. 631,643. 6 Claims. (Cl. 169—4.)



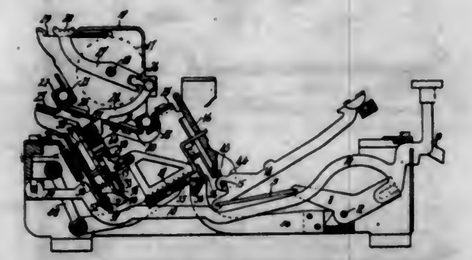
1. An oil well fire extinguisher comprising a passage having a slot in its side for directing a flat blanket of steam across the passage, the side walls of said slot being disposed on lines oblique to the passage axis to direct the steam obliquely across said passage, and a steam inlet for supplying steam to said slot.

1,640,840. THEFT-PREVENTING BOLT. MOSES G. KOTLER, Boston, Mass. Filed Feb. 16, 1925. Serial No. 9,479. 7 Claims. (Cl. 151—8.)



1. The combination with a threaded bolt provided with a keyway longitudinally of the bolt in the threaded portion thereof, of a key movable in the keyway longitudinally of the bolt, a nut on the threaded bolt held from rotation by said key, and a key-operated locking member cooperating with the nut-locking key to prevent removal thereof from said keyway.

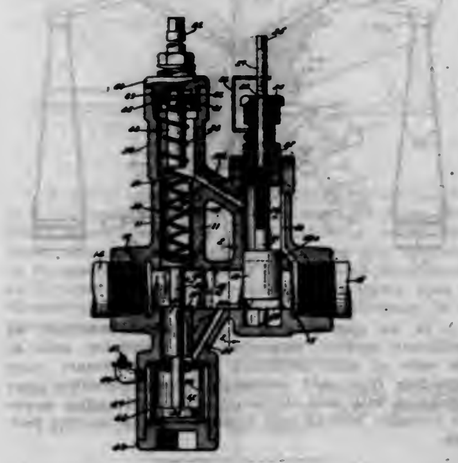
1,640,841. TYPEWRITING MACHINE. ALFRED G. F. KUBOWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 7, 1924. Serial No. 718,468. 7 Claims. (Cl. 197—82.)



1. In a typewriting machine having a typing system tilted to incline the printing plane of the type-faces rearwardly, a carriage, carriage-feeding mechanism including an escapement-wheel and a coaxial pinion rigid therewith journaled on an axis perpendicular to said printing plane, a track-bar supported by the carriage to engage the

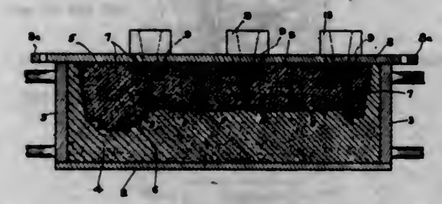
pinion, a stepping dog co-operating with the escapement-wheel, a stop to define the checking position of the dog, and a spring to maintain the dog in equipoise at its stepping position by the alignment of the spring and its point of connection to the dog to a straight line that bisects the axis of the dog.

1,640,842. VOLUME CONTROL. WALTER A. LOOMIS, Los Angeles, Calif. Filed Mar. 11, 1925. Serial No. 14,765. 1 Claim. (Cl. 50—10.)



A flow-control device comprising a body provided with an inlet and with an outlet, there being a communicating orifice between said inlet and said outlet, provided with means for predetermining the extent of an opening therethrough; a pressure-controlled valve to vary the flow of a fluid through said orifice; and means, dependent upon the difference in pressure on opposite sides of said opening, for so moving said valve as to maintain a substantially constant pressure differential across said orifice, said valve moving means being provided.

1,640,843. MOLD FOR CASTING METALS. CHARLES E. MAGILL, Cleveland, Ohio, assignor to The Aluminum Company of America, Cleveland, Ohio, a Corporation. Filed Nov. 22, 1924. Serial No. 751,657. 15 Claims. (Cl. 22—126.)



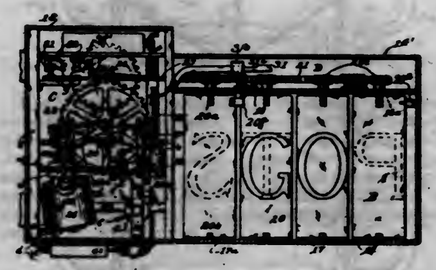
8. In a mold for casting metallic articles, the combination of a flask, granular material in the flask provided with a casting cavity, cores in the casting cavity, a thin metal cope on the flask forming top walls of the casting cavity and provided with perforations, liners of refractory material in the said perforations having close fitting contact with the sides of the perforations; the said perforations in the cope being larger than the greatest cross sectional dimensions of metal solidifying therein.

1,640,844. PNEUMATIC TIRE. FRANK LE ROI MAIN, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 10, 1926. Serial No. 87,358. 2 Claims. (Cl. 152—20.)



2. A cushion tire formed of comparatively inextensible material having side walls with a compressible ridge narrower than and extending around the inner periphery of said side walls for engagement with a tire receiving rim.

1,640,845. TRAFFIC SIGNAL. ALEXANDER J. MASSEY, Los Angeles, Calif. Filed July 2, 1921. Serial No. 482,137. 24 Claims. (Cy. 171—327.)



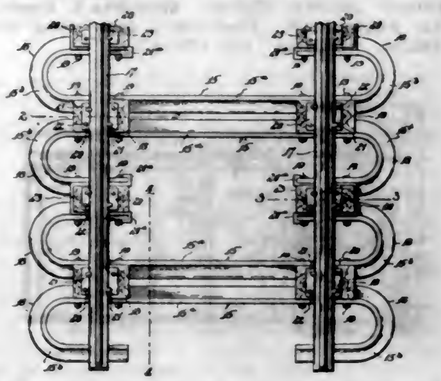
1. A signal of the character disclosed comprising: a plurality of vanes adapted for the presentation of like faces in joint signaling action and each of which is mounted for rotation about an axis, means for so mounting said vanes, remotely controllable means comprising a local motor and gearing means for rotating the vanes to present divers faces thereof alternatively to view, and remotely controllable means for holding said vanes at will in a neutral position; said signal comprising means whereby said vane-rotating means may be effective to interrupt the current to said local motor upon the completion of a half rotation of said vanes, moving the same to display positions, and means whereby the operation of said holding means also interrupts said current.

8. In a traffic signaling system for street intersections and like places; a plurality of signal devices each adapted for indicating three distinct conditions appertaining to a traffic route on which the same is located and each comprising a display face for indicating that traffic is to proceed and a display face for indicating that that traffic is to stop, a local motor and gearing in each signal for alternately displaying said faces by moving the same through a non-display neutral position; means subject to remote control and comprising a latch in each signal, for neutrally positioning both of said faces, to indicate the suspension of traffic regulation by the signal devices, and time-controlled electrical impulse controlling means for controlling the signal face displaying means of a plurality of said signal devices, said displaying means being subject to neutralization by centrally controllable means which include a manual switch in a circuit containing a latch-operating electromagnet in each signal device, and subject to remote restoration by means comprising an additional local electromagnet disposed for an opposite effect,—each of said last-mentioned electromagnets being provided with an armature which is secured to a pivoted

member which is movable thereby for an unlatching effect.

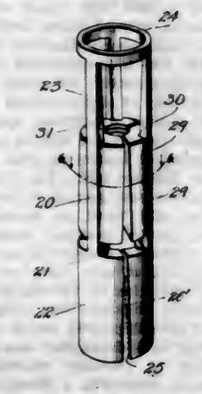
21. A traffic signal operating mechanism, for signals having movable vanes carrying oppositely disposed signal faces, comprising: an intermittently rotatable device making a one-half revolution in each signal face-actuating movement,—to bring said faces to a display position; a rod for connecting the same with a signal face-moving member; a motor, in a circuit for rotating said device; means of operative connection between said device and said motor; and biased switch means, in said circuit, for controlling the supply of energy to said motive means and acting to cut off, at the end of each one-half revolution of said signal face-actuating device, the energy supplied to said motor,—said means of operative connection comprising a shaft rotated by said motive means and carrying a means for opening said switch at the completion of each half revolution thereof.

1,640,846. METAL RAILROAD TIE. WILLIAM W. MECHLING, Butler, Pa. Filed Dec. 22, 1926. Serial No. 156,371. 3 Claims. (Cl. 238—43.)



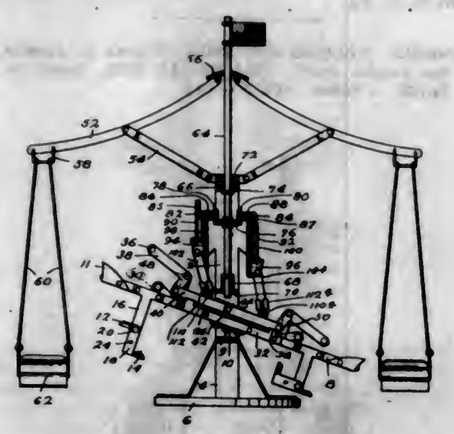
1. A metal railroad tie comprising a pair of angle-bars arranged side by side and having end portions bent in opposite directions, and means connecting the angle-bars together to form the tie.

1,640,847. MULTIPLE SUCKER-ROD SOCKET. ALBERT H. NEILSON, Tulsa, Okla. Filed Aug. 31, 1925. Serial No. 53,510. 15 Claims. (Cl. 294—102.)



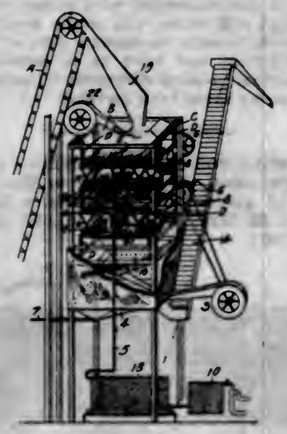
1. In a socket of the character described, an interiorly-tapered barrel, an expansible set of exteriorly-tapered primary slips within the barrel, having interiorly tapered extensions, and an expansible set of externally-tapered, secondary slips within the extensions of the primary slips.

1,640,848. COMBINATION TEETER-TOTTER AND MERRY-GO-ROUND. WILLIAM F. NORRIS, Kansas City, Mo. Filed July 19, 1926. Serial No. 123,563. 7 Claims. (Cl. 272—30.)



1. In an apparatus of the character described, an oscillatory member, supporting means therefor, seats at the ends of said oscillatory member, stationary steps depending from said oscillatory member, foldable steps associated with said stationary steps, and spring means for normally holding said foldable steps in inactive position.

1,640,849. PROCESS AND APPARATUS FOR BLEACHING PEANUTS. ARTHUR C. NORSWORTHY, Jr., Newport News, Va. Filed Mar. 21, 1927. Serial No. 176,976. 7 Claims. (Cl. 99—1.)



1. In combination in apparatus for bleaching and purifying raw peanuts in hull and the like, a housing enclosing a gas chamber having an inlet at its upper end and an outlet at its lower end, shaking means mounted in said gas chamber comprising an upper set of screen shakes and a lower set of screen shakes, said sets of shakes being aligned vertically, each set comprising upper and lower horizontally disposed screen shakes rigidly connected together, and gas diffusing means disposed between said upper and lower sets.

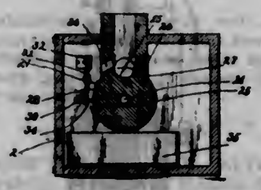
7. The method of bleaching raw peanuts in the hull, which consists in agitating the peanuts in a series of successive stages and continuously treating the peanuts with hypochloric acid gas introduced intermediate the said stages.

1,640,850. BOOKBINDER. EDGAR W. OTTO, Los Angeles, Calif. Filed Aug. 19, 1926. Serial No. 130,263. 2 Claims. (Cl. 281—23.)



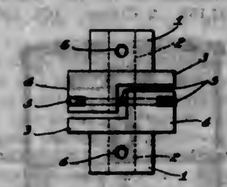
1. A binder consisting of cover portions interconnected by a comparatively flexible back portion, and a glue-strip firmly secured with one of its flat sides within said binder over said back portion and having glue surfacing on its opposite side adapted to securely bind insert-leaves at the back and adjacent edges of such leaves upon a dampening of said glue surfacing when the binder is so placed over such leaves.

1,640,851. VENDING MACHINE. DOMINGO OXARART, Los Angeles, Calif. Filed Dec. 23, 1925. Serial No. 77,215. 2 Claims. (Cl. 194—63.)



1. In a vending machine, a rock shaft, a disc mounted thereon having a coin pocket, a radial abutment on said disc, a spring pressed latch having a hook end, the hook end being positioned to engage the said abutment on a slight rocking of the disc, there being a notch in the hook end, the latch being engaged by a coin in the coin pocket on partial rotation of the disc, such coin pressing the latch and disengaging the hook end from the abutment, the coin falling through the notch allowing rotation of the disc.

1,640,852. FLEXIBLE COUPLING. CHARLES RAISIG, Pittsburgh, Pa. Filed May 8, 1926. Serial No. 107,599. 4 Claims. (Cl. 64—96.)

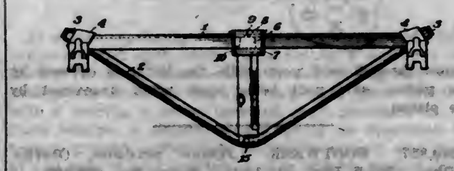


1. A flexible coupling comprising a pair of coaxially aligned complementary coupling members provided with cooperating offset portions having slotted openings therein, and a substantially V-shaped flexible element disposed in said openings and adapted to cooperate therewith.

1,640,853. PROCESS OF PRODUCING PULP HAVING A HIGH PERCENTAGE OF RESISTANT CELLULOSE. GEORGE A. RICHTER, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed May 27, 1924. Serial No. 716,155. 5 Claims. (Cl. 92—11.)

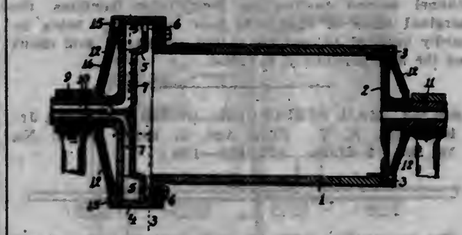
2. A process of producing wood pulp having a high percentage of resistant cellulose, which comprises first digesting wood in a sulphurous acid solution containing sodium sulphite under heat and pressure, adding to the heated mass of wood and acid liquor sufficient alkaline sodium compounds to render the liquor alkaline, and further digesting the wood under pressure in said hot alkaline liquor.

1,640,854. REVERSIBLE STRUT FOR BRAKE BEAMS. THOMAS E. RODMAN, Glencoe, Ill., assignor to The Bradford Corporation, Chicago, Ill., a Corporation of Delaware. Filed Sept. 13, 1926. Serial No. 135,175. 3 Claims. (Cl. 188—232.)



1. A brake beam comprising a channelled compression member, a tension member, a reversible strut extending between said members, and having a head fitting into the channel of the compression member and of non-circular section to provide for and limit the axial rotation of the strut, a shoulder on the strut adjacent said head, and means embracing said shoulder and said compression member for securing said strut.

1,640,855. DRYING CYLINDER. LEO SHLICK, Boston, Mass. Filed Sept. 28, 1926. Serial No. 137,337. 11 Claims. (Cl. 34—4.)

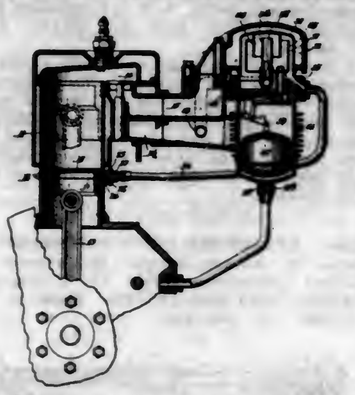


1. A drying cylinder comprising a shell having a cylindrical drying surface, and heads provided with supporting trunnions, one of said trunnions being tubular and the head connected therewith enclosing a space between itself and the adjacent end of said shell whose radial extent is in excess of that of the outer surface of said shell, the inner surface of the latter opening into said space, and means for supplying the cylinder with steam, and for expelling the water of condensation from said space out through said tubular trunnion.

1,640,856. INTERNAL-COMBUSTION-ENGINE LUBRICATION SYSTEM. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich., a Corporation of California. Filed Aug. 7, 1926. Serial No. 127,818. 12 Claims. (Cl. 123—196.)

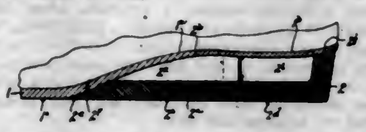
1. In an internal-combustion engine, the combination of an engine-cylinder, a reciprocatory piston in said cyl-

inder covering and uncovering a port during its sliding movements, means to lubricate said cylinder and piston, and means to remove fluids from around said



piston through said port while the latter is covered by the piston, said port being open when uncovered by the piston.

1,640,857. FOOTWEAR. JULIUS SOLOMON, Oberlin, Ohio. Filed Dec. 30, 1922. Serial No. 609,803. 1 Claim. (Cl. 36—76.)



In combination with the shank portion of a shoe, a shoe heel having an integral extension forming an arch supporting bridge extending beneath said shank portion of the shoe, said shoe heel and arch supporting bridge having their tread surfaces extending flush with each other and being respectively provided with heel and channel shaped cavities on their upper surfaces, the marginal edges of said shoe heel and bridge being inwardly bevelled to conform to the contour of said shank and the heel portions of the shoe.

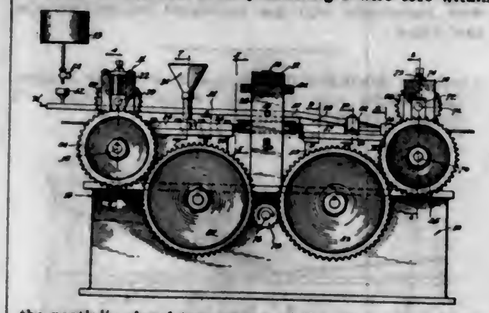
1,640,858. RAIL STRUCTURE. GEORGE STANDFEST, Jr., Rochester, N. Y. Filed Apr. 5, 1927. Serial No. 181,180. 1 Claim. (Cl. 238—138.)



The combination with two rail sections arranged end to end to provide a joint between them, and a plurality of ties supporting said rail sections, of a shoe on which the two rail sections rest bridging the joint and supported on a plurality of ties, said shoe having a longitudinally extending groove in which the bases of the rail sections are received the sides of the grooves extending above the outer edges of the bases of the rail sections and being provided with spike openings on the opposite sides of the groove with enlarged upper ends, and spikes passing through said openings, overhanging the bases of the rail sections, anchored in the ties and having their heads received in the enlarged portions at the upper ends of the openings.

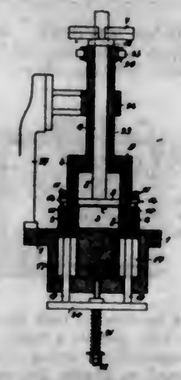
1,640,859. MACHINE FOR MAKING WELDING RODS. WINSTON F. STOODY, Whittier, Calif. Filed Aug. 7, 1925. Serial No. 48,752. 14 Claims. (Cl. 205—17.)

1. A machine for forming welding rods comprising rolls for turning up the sides of a steel tape so as to form a trough, means for depositing an alloy in the trough so formed, rolls for partially closing the tape about the alloy, means for positioning a wire core within



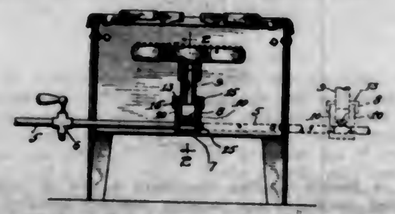
the partially closed tape on top of the alloy, and rolls for compressing the tape about the alloy and wire core so as to form a closed welding rod containing the alloy.

1,640,860. METHOD OF PACKING AND PRESERVING FOOD PRODUCTS AND THE PACKAGE OBTAINED THEREBY. ERNST SUTTER, Burgdorf, Switzerland, assignor to Alpina Käse A.-G., Burgdorf, Bern, Switzerland, a Corporation of Switzerland. Filed Apr. 30, 1923, Serial No. 635,638, and in Switzerland May 19, 1922. 3 Claims. (Cl. 225—73.)



1. The method of packing food products, which consists in completely filling an open receptacle with the material in a plastic state, placing a thin-non-elastic sheet of metal over the material with its edges extending beyond the brim of the receptacle, subjecting to pressure the entire surface of the sheet above the material to expel air and then bending the edges of the sheet down and tightly against the sides of the receptacle.

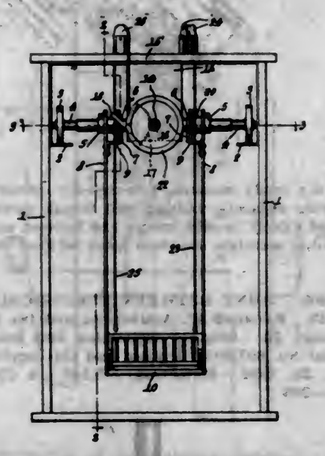
1,640,861. GAS-BURNER COOKSTOVE. AUGUSTUS F. THOMPSON, Huntington, W. Va. Filed Dec. 2, 1926. Serial No. 152,152. 2 Claims. (Cl. 126—40.)



1. A stove of the character set forth consisting of a casing, a bar adjustably mounted therein and provided with depending flanges at its edges, a base-plate attached

to the bottom of said bar, within said flanges, this base-plate being provided with a pair of depending separated arms carrying at their lower ends a gas-jetting tube, a gas-supply tube connected to said gas-jetting tube, a mixer-tube screwed down into said base-plate, and a removable burner mounted on the upper end of said mixer-tube.

1,640,862. SWING. WILLIAM H. TIERNEY, Washington, D. C. Filed Mar. 10, 1926. Serial No. 93,710. 6 Claims. (Cl. 155—65.)



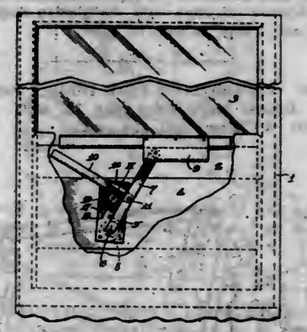
1. The combination with an axle and anti-friction means for supporting the same for bodily movement, of a swing suspended from the axle, and means for imparting a back and forth motion bodily to the axle to start the oscillation of the swing.

1,640,863. DUST CAP FOR TIRE VALVES. JAMES ELMORE TURRELL, Noxen, and WILLIAM G. THOMAS, West Pittston, Pa. Filed June 21, 1926. Serial No. 117,472. 1 Claim. (Cl. 152—12.)



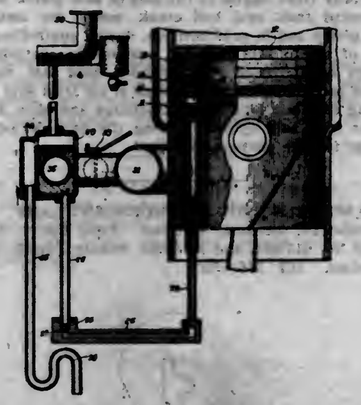
A dust cap for tire valves or the like comprising a tube closed at one end and open at the other to receive a valve stem, a sleeve slidably mounted on said tube, said tube at its open end being longitudinally slotted to form individual spring sections integral with the tube which tend to spring outwardly, said spring sections being of uniform thickness throughout, the lower end of each spring section being bent to form an outwardly projecting bead which terminates in an inwardly extending edge extremity which projects inwardly beyond the inner face of the section to engage the threads of the valve stem, upon downward movement of said sleeve over the spring sections, forcing them inwardly, said edge extremities of the spring sections all being disposed in the same plane at right angles to the axis of the dust cap.

1,640,864. SASH REGULATOR. CARL UNGERMAN, Detroit, Mich. Filed Oct. 19, 1925. Serial No. 63,320. 1 Claim. (Cl. 268—126.)



In a sash regulating device wherein an arm is pivotally supported and operatively connected to a sash for adjusting the sash;—means adapted for moving said arm, said means including an arm supporting plate provided with a bearing, a crank operated shaft journaled in the plate bearing, a channel guide having an apertured extension pivoted on the plate bearing to support said guide at one side of said bearing, a rack slidable in said guide and pivotally connected to said arm, and a pinion on said shaft extending into said channel guide and meshing with said crank.

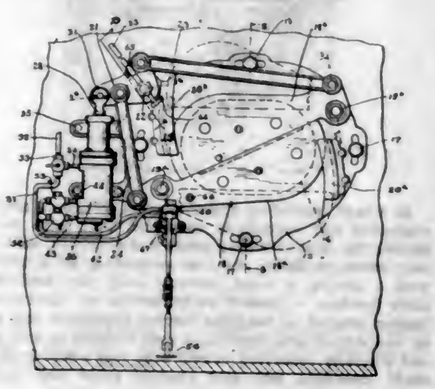
1,640,865. OIL AND FUEL SAVER. IRA A. WEAVER, Springfield, Ill., assignor, by mesne assignments, to Skinner Automotive Device Co., Inc., Sacramento, Calif., a Corporation of California. Filed July 12, 1922. Serial No. 574,584. 21 Claims. (Cl. 123—196.)



1. In a construction of the character described, the combination of an internal-combustion engine including a cylinder, a reciprocatory piston therein having an external fluid-collecting groove at least partially extending spirally to the lower margin of the piston skirt, means to supply lubricating oil to said cylinder and piston, and a carburetor, a tube carried by said piston with its interior in communication with said piston groove, a stationary hollow plunger telescopically associated with said tube, a check-valve between the interior of said tube and said piston groove, said tube having an air-inlet port through its side wall adapted to be opened and closed by said stationary plunger, a distillation-chamber having an overflow port, means to heat said distillation-chamber by exhaust gases from said engine, a conduit connecting the in-

terior of said plunger with the bottom of said distillation-chamber, a check-valve in said conduit, means to deliver the gases and vapors in said distillation-chamber to the intake of said carburetor, a pipe to conduct the overflowing lubricating oil from said distillation-chamber to the engine, and a trap in said oil pipe.

1,640,866. LOCOMOTIVE FIRE DOOR. PETER J. WEIRICH, Adams, Wis. Filed May 12, 1921. Serial No. 468,826. 3 Claims. (Cl. 121—44.)



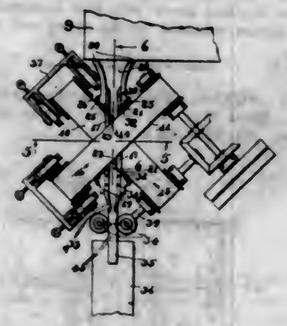
1. Apparatus of the class described comprising a fire door consisting of a pair of relatively movable pivoted sections, a bell crank, links connecting said bell crank to the respective sections, a cylinder, a piston in said cylinder, a piston rod pivotally connected to said piston and readily detachably connected to said bell crank, said piston rod being arranged to be moved to a position at substantially right angles to the axis of said piston when disconnected from said bell crank, means for maintaining said piston rod in said position, means controlling admission of air to said cylinder, and means controlling discharge of air from said cylinder, said last mentioned means permitting rapid discharge of air from said cylinder during the initial period of discharge and slow discharge of air from said cylinder during the final period of discharge for the purpose described.

1,640,867. ELECTRIC INCANDESCENT LAMP. HAROLD WORKMAN, Glasgow, Scotland. Filed Feb. 7, 1923, Serial No. 617,631, and in Great Britain July 5, 1922. 4 Claims. (Cl. 176—32.)



1. An electric incandescent lamp comprising in combination a bulb, a filament mounted therein, a lamp cap of usual construction with a metallic casing secured to said bulb, a lamp contact carried in said lamp cap and a sleeve shaped fitting piece formed to fit within a lamp holder and having a part making annular contact with the outside of said lamp cap, said part having such narrow axial width that the lamp cap is capable of rocking therein and means for securing said fitting piece to said lamp cap in a pre-determined position both axially and laterally with respect to said filament.

1,640,868. AUTOMATIC HARD-CANDY MACHINE. FRED E. ZAISS, Los Angeles, Calif. Filed July 1, 1926. Serial No. 119,877. 9 Claims. (Cl. 107—10.)



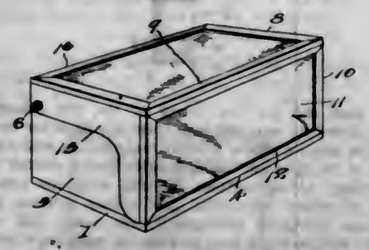
1. In a candy machine, a trough for conveying matter, conveying members crossing said trough movably, guides disposed axially in said trough and between said members adapted to maintain a certain space between the members.

1,640,869. JOINT BETWEEN ELECTRICAL CONDUCTORS. RAYMOND W. ARMSTRONG and IRA E. MCCABE, Chicago, Ill. Original application filed Dec. 16, 1922, Serial No. 607,303. Divided and this application filed Oct. 22, 1924. Serial No. 745,149. 4 Claims. (Cl. 173—263.)



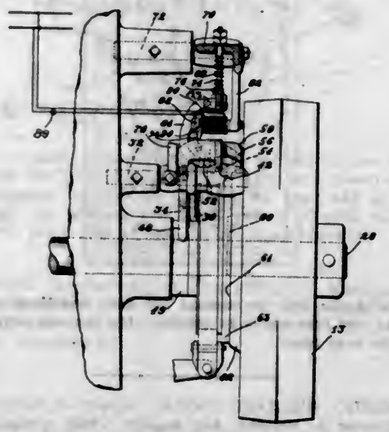
1. A flexible connection to lead in wires of hermetically sealed glass containers such as mercury switches comprising an electrical conductor composed of a plurality of fine wires braided together to form a flexible tube with one end expanded and telescoped over the protruding lead in wire and soldered thereto.

1,640,870. DISPLAY BOX. ERICK E. ASPLUND, St. Paul, Minn. Filed Feb. 3, 1927. Serial No. 165,562. 1 Claim. (Cl. 217—58.)



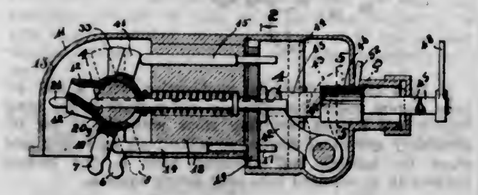
The combination in a display box having closed ends and open at its front and top and having a projecting bottom forming a front ledge, of a lid having a front frame adapted to seat on said ledge and a transparent panel in said frame, a top frame and transparent panel therein, angular end plates attached to said lid-frames and located at the exterior faces of the box ends, and hinge joints between said end plates and box ends and located below the top of the box whereby when the lid is opened the rear bar of the top frame of the lid contacts with the back wall of the box, to form a stop for the frame.

1,640,871. STARTING AND STOPPING MECHANISM. MILTON H. BALLARD, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 25, 1923. Serial No. 614,905. 25 Claims. (Cl. 192—40.)



1. In a mechanism of the character described, a shaft, a power pulley, means for clutching the shaft to the power pulley comprising means for causing the power pulley to actuate the clutching means, and means automatically operative for preventing the power pulley from repeating the clutching operation.

1,640,872. SPEED-SELECTING DEVICE. VERNON W. BALZER and JOHN MCK. BALLOU, Los Angeles, Calif. Filed July 16, 1923. Serial No. 651,852. 10 Claims. (Cl. 74—58.)



1. In a speed selecting device, shifting levers swingably mounted, operating rods shiftably mounted for shifting movements in the direction of and in alignment with the shifting levers, and a selecting mechanism including a selecting disc having perforations, to allow the several operating rods to pass through the disc to remain unaffected by a forward moving of the disc and adapted to cause one of the operating rods at a time to abut against an unperforated portion of the disc for actuating one of the said levers.

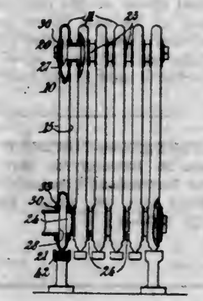
1,640,873. COLLECTION CAR. VERNON W. BALZER and JOHN MCK. BALLOU, Los Angeles, Calif., assignors to Charles W. Burke, Los Angeles, Calif. Filed June 10, 1926. Serial No. 115,003. 3 Claims. (Cl. 89—36.)

1. A collection car of comparatively small self-propelling type like a light automobile including safe-like containers, a turret-covered receptacle having gun and vision openings by which a guard may protect said containers for the depositing and collecting of valuables and



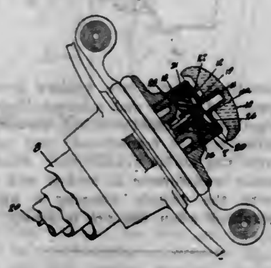
a seat having a back brace attached to and suspended from the turret of the receptacle forming the controlling means of the turret.

1,640,874. RADIATOR. OTTO S. BEYER, Brooklyn, N. Y., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of Delaware. Filed Aug. 7, 1924. Serial No. 730,632. 4 Claims. (Cl. 257—139.)



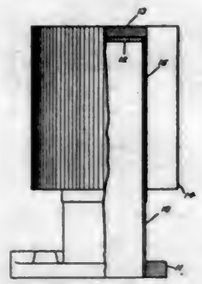
2. A metal radiator comprising longitudinally flattened shells of light gauge, said shells being closed at one end and seamless throughout, said flattened sides being constricted longitudinally for providing channels for circulation.

1,640,875. HORN BUTTON. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Jan. 30, 1926. Serial No. 84,903. 11 Claims. (Cl. 200—159.)



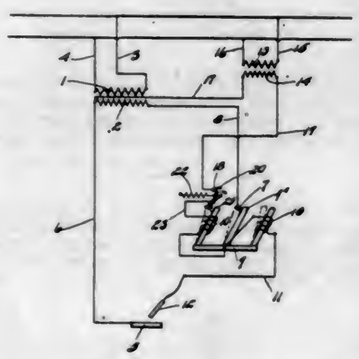
1. In a switch, a base of insulating material having a central contact member, a flat spring extending across the top of said base, a bridge piece over said spring and secured to said base and having an orifice therethrough and a headed button having a shank extending through the orifice in said bridge piece and spread to form a retaining head between said bridge piece and said spring.

1,640,876. INTERNAL-COMBUSTION-ENGINE CYLINDER AND PROCESS OF MAKING SAME. ALFRED L. BORGEHOLD, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 14, 1922. Serial No. 606,797. 4 Claims. (Cl. 123—171.)



1. An internal combustion engine cylinder comprising a thin steel barrel closed at one end, cooling fins extending longitudinally of the said barrel and radially therefrom, and a metallic jacket supplied to said cylinder in a molten condition and filling a space initially present between the exterior of said barrel and the inner ends of said fins.

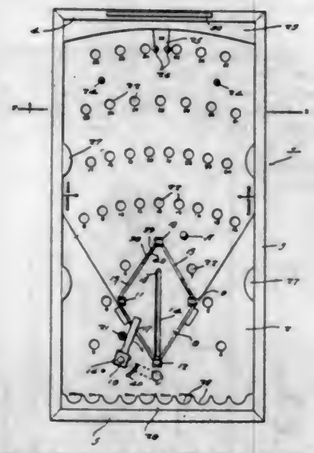
1,640,877. ALTERNATING-CURRENT WELDING SYSTEM. JULIUS R. BAUECKNER, Bay City, Mich., assignor to Gibb Instrument Company, a Corporation of Michigan. Filed Mar. 26, 1924. Serial No. 701,932. 2 Claims. (Cl. 219—8.)



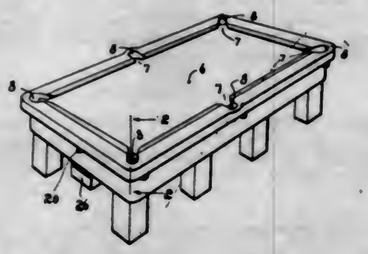
1. An alternating current arc welding system comprising transformers of major and minor voltage electrically connected together, a magnetic switch normally connected with the minor voltage transformer and adapted to be connected with the major transformer when connection with the minor transformer is broken and an electrode connected with the switch, whereby a high operating voltage is obtained when the arc is struck.

1,640,878. BASEBALL-GAME APPARATUS. STEPHEN J. BRUTOFSKI and JOHN ARMSTRONG, Scranton, Pa. Filed Feb. 28, 1927. Serial No. 171,527. 5 Claims. (Cl. 273—88.)

1. In a game apparatus, the combination of a board having a representation of a base ball diamond thereon, a ball, a manually actuated bat for striking and projecting the ball on the playing field, base runner simulating means arranged in the base paths adjacent the respective bases of the diamond, and additional means controlled by the actuation of the bat prior to the same striking the ball for moving the first mentioned means along the base paths to simulate the runners advancing to the next base.



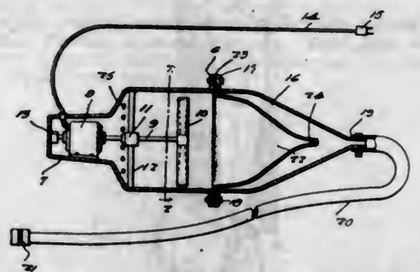
1,640,879. BILLIARD TABLE. HARRY C. BURKE and AUGUST A. FRIBERG, Los Angeles, Calif., assignors of one-third to S. D. Murdock, Los Angeles, Calif. Filed Dec. 1, 1926. Serial No. 151,944. 4 Claims. (Cl. 273—11.)



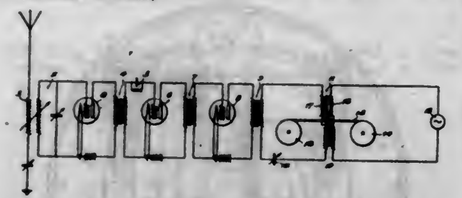
1. In a billiard table in combination with a ball return system under the table top and pockets in the table top, a ball control including stops with means for individually and other means for collectively operating said stops for holding and releasing balls in the several pockets to be released into said return system.

1,640,880. TIRE PUMP. ROBERT C. BUSHNELL, Philadelphia, Pa. Filed Feb. 3, 1927. Serial No. 165,592. 1 Claim. (Cl. 230—128.)

In a pump of the class described, an air chamber open at one end, the opposite end being reduced to provide a motor housing, said chamber being formed with a series of air inlet openings at the juncture of the chamber with the reduced portion thereof, a motor arranged within the housing, the drive shaft of the motor extending into the air chamber, a bearding arranged within the chamber for the shaft, a fan secured on the forward end of the shaft for generating air within the chamber, a conical shaped head open at its inner end and having a restricted discharge nipple formed at its smaller end, laterally extending flanges formed on the open ends of the chamber and head respectively, a substantially conical shaped body of rubber material open at its larger end, the open end of the rubber conical shaped body being flanged for disposition between the aforementioned flanges, fastening means extending through the flanges and the laterally disposed portion of the rubber body, said rubber body being disposed within the conical shaped head and being formed at its smaller end with a greatly restricted discharge nipple to permit the air generated in the chamber by the fan to enter the head and be discharged out through the nipple formed thereon but to prevent the return of the air into the chamber.

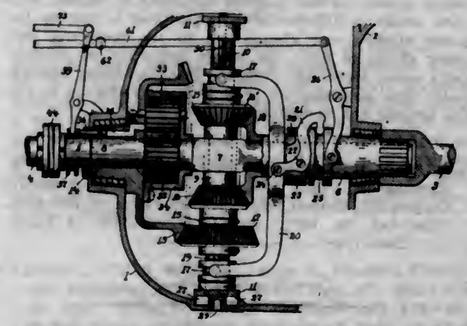


1,640,881. RADIO TELEGRAPH SYSTEM. WENDELL L. CARLSON and GLENN W. CARPENTER, Washington, D. C. Filed Mar. 26, 1921. Serial No. 456,020. 2 Claims. (Cl. 179—100.2.)



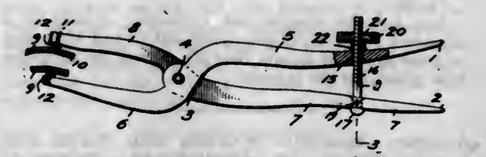
1. A telegraphic receiving system comprising in combination a signal receiving circuit, a generator of high frequency current, a movable wire recording element, a pair of magnetic core members located on opposite sides of said movable wire recording element, sets of independent windings each set comprising a pair of sections with one section disposed on each of said core members, one set of said windings being connected in said signal receiving circuit and the other set of said windings being connected with said high frequency generator.

1,640,882. SPEED-CHANGE GEAR. ALBERT BURDETT CLARK, Boston, Mass. Filed May 11, 1925. Serial No. 29,880. 6 Claims. (Cl. 74—34.)



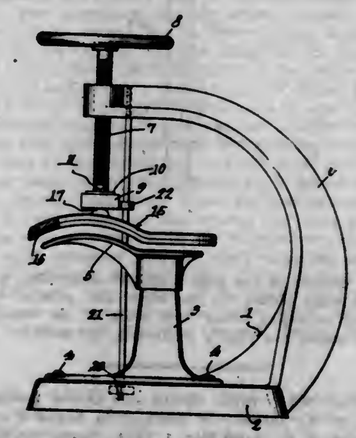
1. In a speed change gear, a driving shaft, a shaft in alinement therewith, a cross shaft at right angles to the second named shaft and revolving therewith in a plane transverse thereto but rotatable on its own axis, means for transmitting rotary motion from said driving shaft to said cross shaft, a gear supported to revolve with the second-named shaft and rotated by said cross shaft, an annulus terminally supporting said cross shaft and, with the latter, adapted to rotate about the axis of said driving shaft, means controlling said rotation, and means providing a resistance variable at will between the rotation of said annulus and that of said gear.

1,640,883. HAND CLAMP. STEPHEN N. COLEMAN, Sylacauga, Ala. Filed Aug. 0, 1926. Serial No. 128,282. 2 Claims. (Cl. 81—5.1.)



2. In a device for holding cemented patches on shoes whilst the cement is setting, a pair of levers crossed upon each other and pivotally connected to form jaws and handles, the handles having openings, the opening in one handle being flared toward its ends, a screw in the openings, and provided with a head shaped to rock on the outer surface of said handle, a nut on the screw and engaging the other handle, a securing element in the first-specified handle, the screw having an elongated opening which receives the securing element loosely to permit the strain to be carried by the head, and cooperating shoe-patch presser-feet on the jaws.

1,640,884. SHOE JACK. STEPHEN N. COLEMAN, Sylacauga, Ala. Filed Aug. 12, 1926. Serial No. 128,812. 1 Claim. (Cl. 12—33.)



In a device of the class described, a base, an arm connected at its lower end to the base and having its upper end disposed in over-hanging relation to the base, lasts supported on the base, presser members cooperating with the lasts, a yoke carrying the presser members, means mounted on the upper end of the arm and connected to the yoke for forcing the presser members toward the lasts, and a guide rod whereon the yoke is mounted slidably in transversely spaced relation to said means, the guide rod joining the upper end of the arm to the base and reinforcing the arm to withstand the thrust of said means.

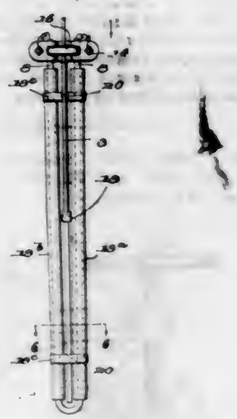
1,640,885. GRINDING BALL AND PROCESS OF MAKING. THOMAS S. CURTIS, Los Angeles, Calif., assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif., a Corporation of California. Filed Sept. 5, 1925. Serial No. 54,824. 17 Claims. (Cl. 25—156.)

1. A grinding ball comprising pyrophyllite baked at high temperature.

1,640,886. NONSLIP FLOOR TILE. THOMAS S. CURTIS, Los Angeles, Calif., assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif., a Corporation of California. Filed Sept. 5, 1925. Serial No. 54,825. 4 Claims. (Cl. 72—96.)

1. A non-slip ceramic tile, comprising a body of a substance homogeneous throughout but formed with spots or zones of higher density than the body of the substance from which the tile is made.

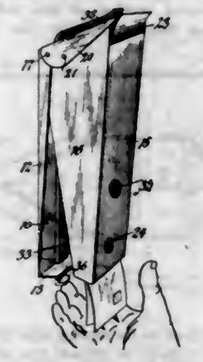
1,640,887. ELECTRIC WARMER AND WIPER FOR WINDSHIELDS OF AUTOMOBILES. CHARLES V. DAVIS, Morganton, N. C. Filed Mar. 26, 1927. Serial No. 178,626. 6 Claims. (Cl. 15—255.)



1. A cleaner of the type described comprising a wiper strip, a rigid holder for the same, and parallel heating members extending along both sides of the wiper strip and its holder and rigidly secured to the holder.

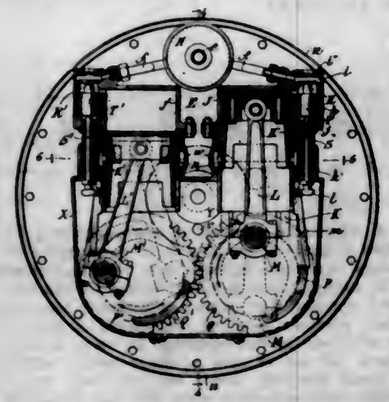
1,640,888. MAIL BOX. ELIAS VAN OCTON DAVIS, Hornell, N. Y., assignor of one-half to James T. Foody, Hornell, N. Y. Filed Mar. 1, 1924. Serial No. 696,347. 4 Claims. (Cl. 232—28.)

1. A mail box comprising front and rear sections, said rear section having an upright rear wall, upright side walls projecting forwardly from the side edges of said rear wall, a top projecting forwardly from the upper edge of said rear wall and a bottom projecting forwardly from the lower edge of said rear wall, and said front section being of hollow form and pivotally mounted on said rear section and having a mail inlet in its upper part and adapted to have its lower part move toward and from the lower part of said rear section for closing and opening the outlet for the mail at the lower end of the box, and means for manually moving the lower part of said front section away from the lower part of said rear section comprising a vertically movable shifting bar



guided in the rear wall of said rear section and operating at its upper end on the upper part of said front section.

1,640,889. AUTOMOBILE TORPEDO. WILLIAM DIETER, Newark, N. J. Filed Nov. 3, 1922. Serial No. 598,878. 15 Claims. (Cl. 114—20.)



1. In an automobile torpedo, in combination with a source of fluid pressure and with oppositely-revolving propeller shafts, a propulsive twin engine comprising cylinders and pistons with independent valves admitting pressure to the cylinders, and two piston-driven crank shafts geared together to turn oppositely in unison, with their cranks in different angular positions to overlap the power strokes, and also geared to the respective propeller shafts to drive the latter oppositely at substantially equal speed, the propeller reactions being substantially equal and opposite so that their tendencies to roll the torpedo are neutralized.

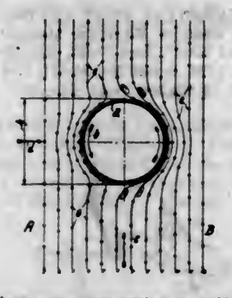
1,640,890. WHEEL-SHIPPING STRAP. EDWARD T. ESTERBROOK, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Oct. 10, 1921. Serial No. 506,793. 1 Claim. (Cl. 280—179.)



A method for shipping vehicle wheels consisting in placing them flatwise engaging throughout their circumference upon a flat supporting surface, attaching tie

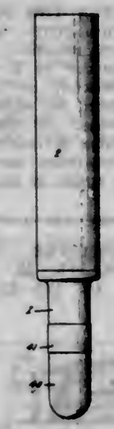
members by their inner ends to the rim bolts on said wheel, extending said tie members outwardly, securing the outer ends of said tie members to said support and tensioning said tie members by distorting the intermediate portion of one of said members.

1,640,891. GUIDE BODY FOR REACTION ROTORS. HUGO FRITZEL, Hamburg, Germany. Filed Sept. 23, 1925, Serial No. 58,120, and in Germany Dec. 12, 1924. 3 Claims. (Cl. 170—14.)



1. A reaction rotor comprising a guide body mounted on the outer surface of the rotor parallel to the axis of the same having guide faces of biconcave shape and joining in a knife edge in order to avoid damming up and formation of eddies.

1,640,892. PYROTECHNIC SIGNAL. HARRY C. GAMMETER, Cleveland Heights, Ohio. Filed Apr. 8, 1926. Serial No. 100,750. 21 Claims. (Cl. 102—24.)



1. A pyrotechnic signal comprising a container, an aerial projectile and its impelling charge sustained within the outer end of said container, a body of flare producing material occupying the container inwardly of said charge, a fuse extending through and insulated from said body and having its outer end in igniting relation to both the impelling charge and said body of flare producing material, a percussion cap supported in position to ignite said fuse, and a firing pin arranged in operative relation to the percussion cap.

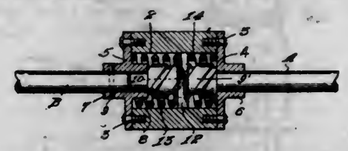
1,640,893. HAIR CURLER. JOHN A. HARTVIG, Chicago, and ARTHUR A. MCLAURIN, Forest Park, Ill. Filed Nov. 17, 1925. Serial No. 69,647. 1 Claim. (Cl. 132—41.)

A hair curler comprising an elongated body on which the hair is wrapped, a retaining loop pivoted at one end to one end of the body and having side arms that diverge from the pivoted end to the opposite end and are adapted to lie alongside opposite sides of the body and extended beyond the same, a cross bar of materially greater length than the thickness of the body connecting the free ends of said side arms at a point beyond the free end of the body and holding them permanently in divergent relation and spaced from the body, and a keeper loop surrounding and



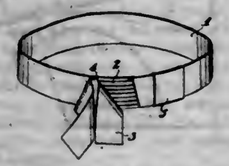
frictionally sliding on the side arms, said keeper loop being movable on the side arms between a position beyond the free end of the body and capable of unobstructed movement along said body, and said loop having portions inwardly crimped to prevent its detachment from the side arms and forming a socket between the side arms that slidably receive the body.

1,640,894. SHOCK ABSORBER. HENRI HEBERT and JOSEPH ALCIME LAMBERT, Montreal, Quebec, Canada. Filed Apr. 5, 1924. Serial No. 704,538. 1 Claim. (Cl. 64—96.)



The herein described shock absorbing shaft coupling consisting essentially of a housing exteriorly of circular cross section and having a longitudinal central bore of square cross section extending throughout its length, a cap for one end of the housing, a cap for the other end of the housing, an exterior and an interior flange formed on the first mentioned cap, an exterior annular flange former on the second cap, a driven shaft fixedly connected in the exterior annular flange of the first mentioned cap, a drive shaft journaled in the flange of the second cap and having a terminal portion disposed in the interior flange of the first named cap and also having a diametrically enlarged screw member arranged in said housing and interposed between and abutting against the inner side of the second cap and the inner end of the interior flange of the first named cap, a square in cross section driving block snugly fitting and moving rectilinearly in the square bore of the housing and being provided with an opening surrounding the threaded portion of the drive shaft, obliquely disposed studs extending inwardly from diametrically opposite sides of the opening for cooperation with the threads of the screw member, and coiled springs surrounding the drive shaft and interposed between said caps and the said driving block.

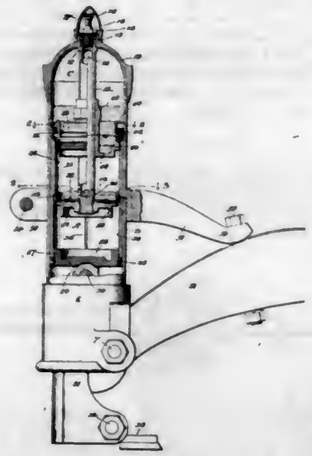
1,640,895. HATBAND. OLIVE HILLS, Windsor, England. Filed Aug. 12, 1924, Serial No. 731,625, and in Great Britain Sept. 24, 1923. 1 Claim. (Cl. 2—179.)



A hat band comprising a strip of relatively inelastic material adapted to encircle a hat crown and having parallel longitudinal edges, one of which is longer than

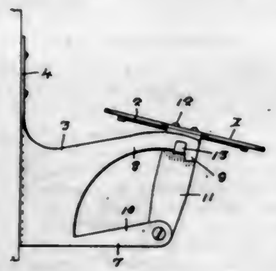
the other, an insert of elastic material substantially trapezoidal in shape with the longer edge thereof alined with the shorter edges of the strip and at the bottom of the said strip, the end portions of the strip and the insert being joined with each other by seams disposed along oblique lines, said seams diverging from the longer edge of the strip towards the shorter edge, a bow attached to said strip, and a loop slidable on said strip towards and away from said bow.

1,640,896. AIR SPRING. BRADFORD B. HOLMES, New York, N. Y. Filed Nov. 23, 1922. Serial No. 602,824. 16 Claims. (Cl. 267—64.)



1. A pneumatic cushioning device having in combination, a cylinder closed at one end, a piston having a tubular extension arranged to slide in the open end of the cylinder to form a variable volume chamber adapted to contain air under pressure, a reservoir for holding a supply of liquid, a partition supported by the cylinder across the interior of the piston and adapted to form a compression dash pot with the piston and an extension dash pot with the reservoir to check extreme movement of the parts of the device in either direction, and means operable by movements of the piston for transferring liquid from the reservoir to fill the dash pots and for returning surplus liquid to the reservoir.

✓1,640,897. GLARE SHIELD. HENRY H. IRWIN, Greenville, S. C. Filed Aug. 26, 1926. Serial No. 131,760. 1 Claim. (Cl. 296—97.)



An anti-glare device for a vehicle comprising a frame, a transparent member carried thereby, a bracket adapted to be attached to a part of a vehicle, said bracket having a lower straight arm and an upper arc-shaped arm, the upper arm having its extremity extending outwardly beyond the extremity of the lower arm, a stop on the upper arm at the end thereof, a lever or arm pivoted at its lower end to the end of the lower arm and having a guide formed thereon for engaging the lower curved edge of the upper arm, said guide engaging the stop for limiting the outward movement of the lever and means for attaching the upper end of the lever or arm to the frame.

1,640,898. ORNAMENTAL FOOT COVERING. HILDEGARD MARTHA GERLIND KÖNICKE, Hamburg, Germany, assignor to Emil Karl Albert Voigt, Hamburg, Germany. Filed Mar. 18, 1926, Serial No. 95,657, and in Germany June 29, 1925. 3 Claims. (Cl. 41—10.)

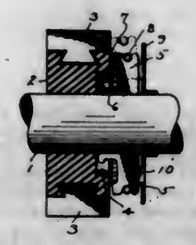


1. An openwork ornamental element formed for wear upon a portion of the leg beneath thin hosiery so as to show through the hosiery and give the appearance of being an ornamental constituent of the hosiery, and means for holding said element in position relative to such portion of the leg and to the hosiery.

1,640,899. PROCESS FOR THE MANUFACTURE OF CONDENSATION PRODUCTS OF CROTONALDEHYDE. WALTER KROPF, Elberfeld, near Cologne-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Mar. 5, 1926, Serial No. 92,622, and in Germany May 14, 1925. 3 Claims. (Cl. 260—141.)

1. A method of making a condensation product of crotonaldehyde which comprises condensing crotonaldehyde with an aromatic amine in the absence of a condensing agent.

1,640,900. SHORT CIRCUITER. EVERETT P. LARSH, Dayton, Ohio. Filed Feb. 15, 1924. Serial No. 693,019. 11 Claims. (Cl. 172—279.)

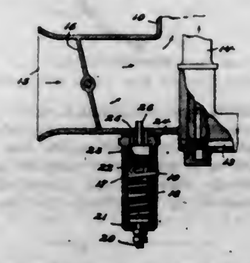


11. In a short circuiting device for commutators, an annular series of contact members located in juxtaposition to the lateral face of the commutator and capable of both oscillatory and radial movements under centrifugal influence, control means therefor, by which said movements are initiated one in advance of the other, and an annular contractile band common to all the weights of the series yieldingly resisting both the oscillatory and the radial movements of said weights.

1,640,901. DISINFECTING AGENT. RUDOLF LIEBKE, Leverkusen, near Cologne, WERNER SCHULEMANN, Vohwinkel, near Elberfeld, and WILHELM BONRATH, Leverkusen, near Cologne, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y., a Corporation of New York. Filed Jan. 28, 1925. Serial No. 5,340. 6 Claims. (Cl. 167—3.)

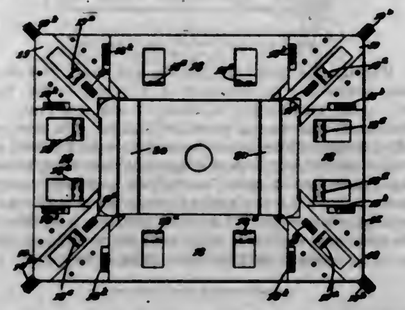
3. The herein described new disinfecting, bactericidal, insecticidal and fungicidal preparations formed by mixing an organic mercury compound with a phenol and an alkali, said organic mercury compound, phenol, and alkali being capable of interacting in the presence of water to form a compound having superior disinfecting, bactericidal, insecticidal and fungicidal properties, substantially as described.

1,640,902. HYDROCARBON VAPORIZING DEVICE FOR STARTING MOTORS. THOMAS J. LITLE, Jr., Detroit, Mich., assignor, by mesne assignments, to Lincoln Motor Company, a Corporation of Delaware. Filed July 23, 1920. Serial No. 398,338. 7 Claims. (Cl. 123—122.)



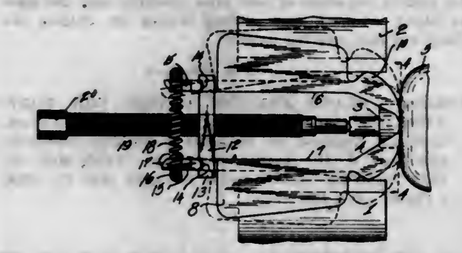
1. In a hydrocarbon motor, the combination with the intake pipe having an air inlet and a fuel nozzle opening thereinto between the air inlet and the engine, of a receptacle positioned intermediate the air inlet and the mouth of the fuel nozzle for receiving liquid fuel collecting in the intake pipe, and means enclosed within said receptable so as to be out of contact with the gaseous current passing to the engine, for vaporizing the liquid fuel received therein.

1,640,903. COVERING MACHINE. REGINALD ALVIN MCCAULEY, Dorchester, Mass., assignor to Samuel Ward Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed June 10, 1924. Serial No. 719,226. 11 Claims. (Cl. 154—41.)



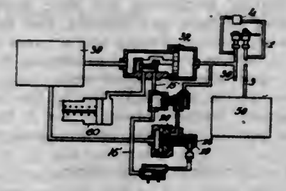
11. In a machine for applying fabric and the like to covers, a mold having inwardly slidable side walls and inwardly movable corner slides, means for actuating said side walls and corner slides in timed relation to each other, a bottom plate movable vertically in said mold and supports for adjustably limiting the descent of said plate whereby to position said plate slightly below the plane of said side walls and corner slides.

1,640,904. BEARING PULLER. RONALD B. NOBLE, Spokane, Wash. Filed Nov. 1, 1926. Serial No. 145,569. 3 Claims. (Cl. 29—85.)



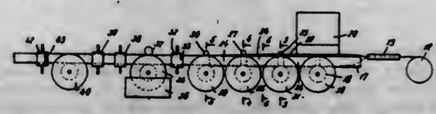
1. The combination with a cross head and a screw bar therein, of a pair of side plates each having a supporting flange and an end jaw, and a separable hinge joint between the side plates and said cross head.

1,640,905. SINGLE-CHAMBER AIR-PRESSURE BRAKE. JOHANN RIHOSEK, Vienna, and RICHARD LUDWIG LEUCHTER, Weidlingau-Hadersdorf, Austria, assignors of one-half to the Firm Gebrüder Hardy, Maschinenfabrik und Giesserei A. G., Vienna, Austria. Filed Apr. 5, 1926, Serial No. 99,964, and in Austria Dec. 15, 1925. 5 Claims. (Cl. 303—60.)



1. In a single chamber air pressure brake a combination of a main reservoir, a train pipe, an engineer's valve connected to the train pipe, a connecting pipe connecting the said main reservoir with the train pipe, a pressure governing device included in the said connecting pipe such pressure controlling device being adapted to establish communication between the main reservoir and the train pipe until a predetermined pressure is reached in the train pipe, and means adapted to locally increase and reduce the free passage area of such connecting pipe and responding to an increase and reduction respectively of the pressure in the train pipe.

1,640,906. PROCESS AND APPARATUS FOR MAKING ROOFING ELEMENTS. THOMAS ROBINSON, New York, N. Y. Filed June 11, 1925. Serial No. 36,812. 12 Claims. (Cl. 154—1.)

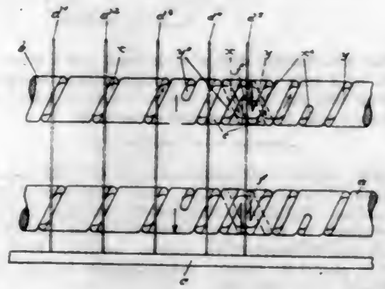


1. A method of making building material, which comprises moving a web of sheet material lengthwise and, while the web is in motion, folding it longitudinally along a line and supporting the plies of the web in opposed relation and relatively close together to provide a narrow trough, introducing a plastic filling material into the said trough, applying pressure on the filling material within the trough to compact it, and cutting the filled web into selected lengths.

12. Apparatus for making roofing which comprises means for drawing sheet material continuously from a supply, folding means for folding the sheet material

lengthwise along a line, means for supporting the plies of the sheet substantially vertical, means for introducing a filling material between the plies of the sheet, rollers for folding the edges of both plies inwardly over the mass of filling material, and cutting devices for cutting the filled web into selected lengths.

1,640,907. BLANK-FEEDING DEVICE FOR WIRE-WORKING MACHINES. JACOB RODERBURG, Aachen, Germany, assignor to Aachener Maschinen-bau-Gesellschaft m. b. H., Aachen, Germany. Filed Mar. 13, 1925, Serial No. 15,375, and in Germany Mar. 31, 1924. 1 Claim. (Cl. 198—213.)



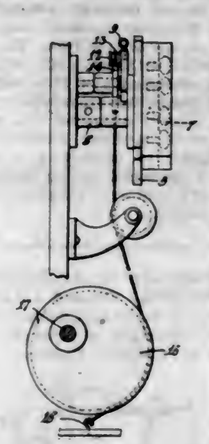
A blank feeding mechanism for wire working machines, including at least one rotating feed screw, this feed screw having several threads and a recess extending transversely to the screw axis and connecting the several threads with each other, the said recess being adapted to temporarily receive the blanks fed by the screw and hold them against further movement for a time corresponding to a partial revolution of the screw.

1,640,908. HEARING SHELL. KARL ALBERT SCHUCKER, Pforzheim, Germany. Filed Sept. 27, 1926, Serial No. 138,025, and in Germany Jan. 22, 1926. 2 Claims. (Cl. 181—23.)



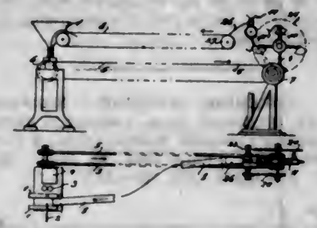
1. A hearing shell comprising in combination a shell approximately of the shape of the external ear, a fixing bow on the back of said shell, a handle composed of several tubular telescoped part elements, a hinge connecting the top end of said handle to said bow so that the telescoped handle can be folded over to lay on the front side of said shell, a spring controlled lever on the back of said shell, and a pin on the hinge of said handle designed to engage with said spring controlled lever and to securely hold said shell in the position of use.

1,640,909. ADVERTISING DEVICE. HARRY MAX SCHUTZ, Paris, France. Filed Sept. 24, 1925, Serial No. 58,408, and in France Oct. 2, 1924. 2 Claims. (Cl. 40—139.)



1. An advertising sign comprising a support, a plurality of shafts mounted thereupon, a plate rotatably supported upon each shaft, a plurality of cables, one end of each being connected to a plate, the opposite ends of said cables being fixedly received and means engaging said cables for transmitting oscillatory movement to said plates.

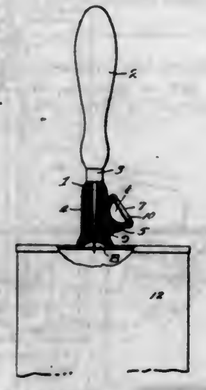
1,640,910. MACHINE FOR POLISHING PENCILS AND OTHER ROD-SHAPED BODIES. HERBERT SCHWANHÄUSSER, Nuremberg, and WALDEMAR SCHWANHÄUSSER, Munich, Germany. Filed June 8, 1926, Serial No. 114,523, and in Germany Aug. 21, 1925. 3 Claims. (Cl. 91—49.)



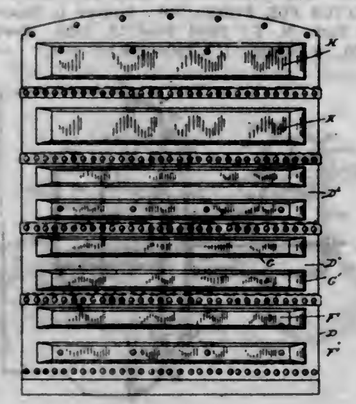
1. Machine for polishing pencils and other rod-shaped bodies, comprising in combination a reservoir for liquid polish, a charging-hopper in front of said reservoir, conveying bands for drying arranged behind said reservoir, a gripping- and elevating-mechanism arranged behind said conveyor bands, and a delivering conveyor band between said gripping- and elevating mechanism and said charging-hopper so that, at the end of the drying path one or several pencils are gripped by said gripping- and elevating mechanism and deposited upon said delivering conveying band to be brought back to said charging-hopper.

1,640,911. CAN TESTER. HARRY E. SKOOG, Cleveland, Ohio. Filed Aug. 20, 1924, Serial No. 733,127. Renewed Feb. 16, 1927. 9 Claims. (Cl. 73—51.)

1. A can tester comprising a body, a penetrating device carried thereby, the body having a passageway within one end of which said device is situated, the body surrounding said end of the passageway being of pliable material so that when the penerating device is inserted through the wall of a can the passageway is sealed thereabout and communication is established between the interior of the can and the passageway, and a diaphragm extending across the other end of said passageway.



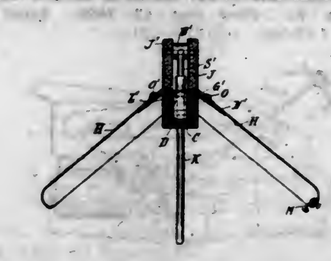
1,640,912. CAR END. WILLIAM D. THOMPSON, Detroit, Mich., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Delaware. Filed Nov. 27, 1922, Serial No. 603,687. Renewed Oct. 1, 1925. 13 Claims. (Cl. 105—410.)



1. In a car body construction, a composite metallic plate formed of a series of overlapping pressed sheet metal sections rigidly secured to each other, the adjacent sections forming a portion of said plate being formed with a single panel pressed therein and the adjacent sections forming another portion of said plate and subjected to greater stresses than the first-mentioned sections being formed with a plurality of panels.

1,640,913. ELECTRIC ARC LAMP FOR PHOTOGRAPHING. HEINRICH TRAUT, Munich, Germany. Filed Dec. 24, 1926, Serial No. 156,956, and in Germany Dec. 28, 1925. 4 Claims. (Cl. 176—115.)

1. An electric arc lamp for photographing purposes, comprising in combination, a case consisting of two covers, the inner surfaces of which serve as reflectors, a carbon carrier composed of two elements of insulating material spaced the one from the other and on which said covers are pivotally mounted, carbons in said carrier, contacts



for said carbons, and means for connecting said contacts with any existing light contact.

1,640,914. LEATHER MANUFACTURE. JOHN K. TULLIS, New York, N. Y., assignor, by mesne assignments, to Geltan Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 3, 1923. Serial No. 622,642. 9 Claims. (Cl. 149—6.)

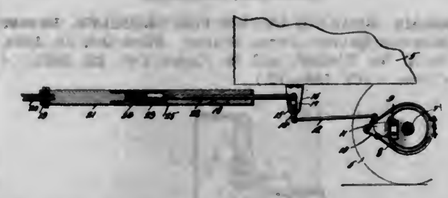
8. Leather having gelatine distributed therein.

1,640,915. TELEPHONE DIAPHRAGM. CHARLES G. WIELAND, New York, N. Y. Filed June 22, 1925. Serial No. 38,621. 2 Claims. (Cl. 179—181.)



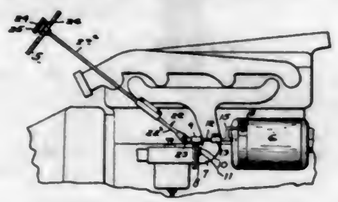
1. A diaphragm for telephone receivers comprising a disc, having an aperture and a projection at diametrically opposite points adjacent the periphery thereof, for adapting said disc to be secured to a receiver, and spaced apart bosses made integral with said disc and extending in spaced relation to each other, and longitudinally parallel to the diameter of said disc determined by said aperture and projection.

1,640,916. AUTOMATIC BRAKE MECHANISM. ANDREW A. ALLEN, Maricopa, Calif. Filed Nov. 19, 1925. Serial No. 70,195. 2 Claims. (Cl. 188—3.)



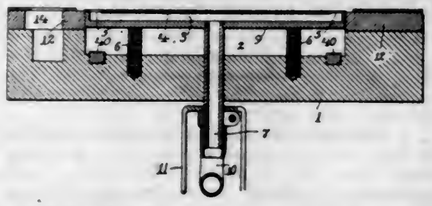
2. In combination, a vehicle brake structure, reciprocable operating rods therefor, an oscillatory bar arranged transversely of said rod and connected thereto to cause reciprocation of the same, a connecting arm carried by said oscillatory bar, a draft bar comprising a main body portion, longitudinally bored through a portion of its length, a rod member slidably positioned in the bore of said bar and having the outer end connected with the arm of said oscillatory bar, means to prevent the inner end of said rod from being withdrawn from said bore, and a cushion element housed within said bar at the inner end of and designed to be acted upon by said rod upon retardation of the forward movement of the draft bar to effect the oscillation and reciprocation of said oscillatory bar and brake operating rod respectively and the application of said brakes.

1,640,917. BRUSH-ADJUSTING MEANS FOR GENERATORS OF AUTOMOBILES. HARRY L. ARNEST, Virginia Highlands, Va. Filed Sept. 27, 1926. Serial No. 138,069. 7 Claims. (Cl. 171—221.)



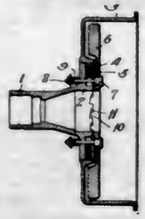
1. A device for use upon an automobile having a dash and a generator having a movable brush, comprising a rod having an end shaped to have a bearing in an opening formed in the end of the generator casing, a crank arm carried by said rod and overlying said casing and a link pivotally connected to said crank arm and having connection with the movable brush of the generator.

1,640,918. BOOKBINDING MACHINE. GEORGE H. AUSTIN, Reading, Mass., assignor, by mesne assignments, to Samuel Ward Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed May 27, 1924. Serial No. 716,145. 2 Claims. (Cl. 154—41.)



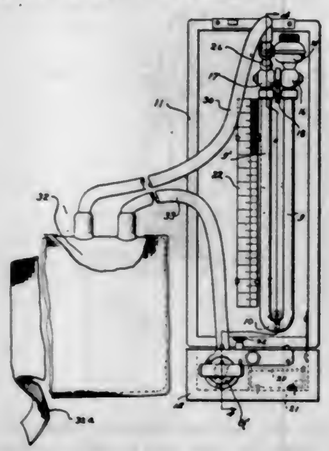
1. In a machine for applying fabric and the like to book covers, an air tight chamber having a flat top plate provided with a series of closely disposed holes adjacent its edges, and means for temporarily creating a vacuum in said chamber and thereby tightly holding the fabric and cover upon said plate while the edges of the fabric are folded over upon the cover.

1,640,919. BRAKING DEVICE FOR VEHICLES. ERNEST MAURICE BALLOT, Paris, France. Filed Oct. 18, 1924, Serial No. 744,360, and in France Oct. 22, 1923. 4 Claims. (Cl. 188—72.)



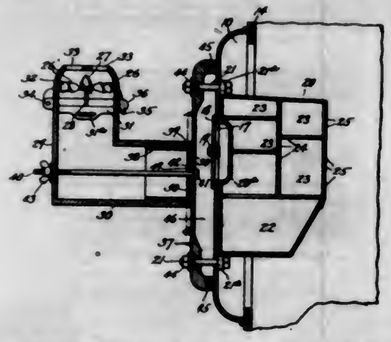
1. A vehicle brake comprising a brake drum, a vehicle wheel having a hub, an annular flange formed near the inner end of said hub, a clutch for connecting at times said flange and said brake drum, a flywheel arranged in proximity to the inner end of said hub, and having projecting portions thereon adapted to coact with portions of the hub, and means connecting said flywheel with said clutch, whereby limited rotary motion of said flywheel in respect to said hub will cause disengagement of said clutch.

1,640,920. SPHYGMOMANOMETER. GEORGE F. BEACHLER, Cleveland, Ohio. Filed Oct. 27, 1924. Serial No. 745,999. 7 Claims. (Cl. 73—44.)



1. In a sphygmomanometer, the combination or a U-shaped tube, a single valve member controlling both legs of the tube, an openable casing containing the tube and valve, means whereby the closing of the casing operates the valve and a tourniquet bag connected with one of the legs through said valve.

1,640,921. AIR INDICATING AND REGULATING APPARATUS FOR FURNACES. ROBERT L. BLANCHARD, New York, N. Y. Filed June 13, 1925. Serial No. 36,926. 8 Claims. (Cl. 110—175.)

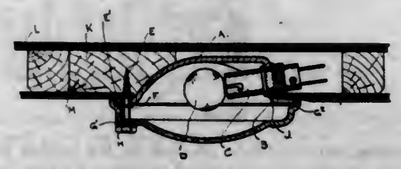


1. A draft indicating device for furnaces, which shows the direction of flow of air thru the furnace door into the furnace, comprising in combination with a furnace door having a main air draft opening thru which substantially all the air is supplied to the portion of the furnace behind the door, a pipe projecting from the furnace door, an air vane mounted in the projecting portion of said pipe, thereby bringing said air vane into air draft relation with said opening in the furnace door.

1,640,922. PROCESS OF PREPARING POSITIVE ELECTRODES OF STORAGE BATTERIES. ATTILIO CELLINO, Buenos Aires, Argentina, assignor to Central Battery Corporation, a Corporation of New York. Filed June 15, 1916, Serial No. 103,858. Renewed Jan. 8, 1927. 4 Claims. (Cl. 136—27.)

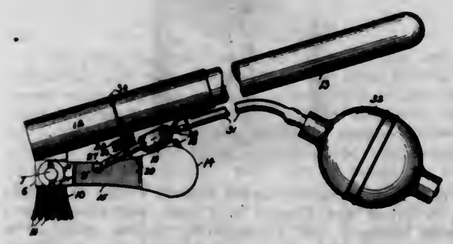
1. The process of preparing positive electrodes of storage batteries which consists in forming a mixture of an oxide of lead, peroxide of manganese and sulfate of ammonia, mounting the same in shape for use as an electrode and then subjecting the electrode to the action of sulfuric acid so as to dehydrate the active material of the electrode.

1,640,923. VEHICLE-LAMP MOUNTING. EVERETT J. COOK, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Mar. 19, 1923. Serial No. 626,210. 2 Claims. (Cl. 240—7.35.)



2. In a lamp mounting, the combination with a reflector having a marginal flange, of a globe member having a shoulder portion adjacent to said marginal flange and at the side thereof, and a skirt portion surrounding said marginal flange, said globe member coacting with said reflector to form a container, a lamp within said container, a yieldable gasket between said marginal flange and shoulder portion and surrounded by said skirt portion and securing members for said globe member and reflector and including a screw having a shoulder engaging said marginal flange and a nut threaded upon said screw and engaging said globe member.

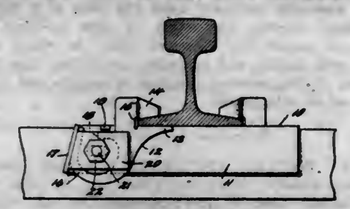
1,640,924. WINDOW CLEANER. JOHN H. COOK, Salt Lake City, Utah. Filed Apr. 11, 1923. Serial No. 631,449. 2 Claims. (Cl. 15—131.)



1. A window cleaner comprising a handle and a cleaning member rigidly mounted on one end of the same and disposed transversely thereto, a pivotally mounted reservoir for a cleansing agent located behind the cleaning member and beneath the handle, means interposed between the reservoir and handle and detachably connected to the reservoir for ejecting the cleansing agent from the reservoir and delivering it to a position to be acted on by the cleaning member, and means for supporting the reservoir from the over-extending handle, and permitting its movement away from the same.

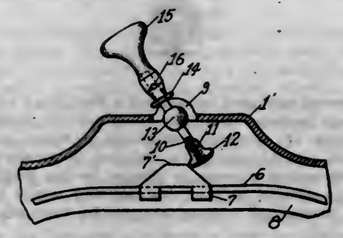
1,640,925. RAIL-HOLDING DEVICE AND ANTI-CREEPER. WILLIAM G. COUGHLIN, Philadelphia, Pa. Filed Oct. 14, 1926. Serial No. 141,586. 8 Claims. (Cl. 238—304.)

1. A device of the character described, comprising in combination, a tie, a rail supported thereon, a clip mounted on the tie having a face engaging the base of the rail adapted to resist longitudinal movement of the



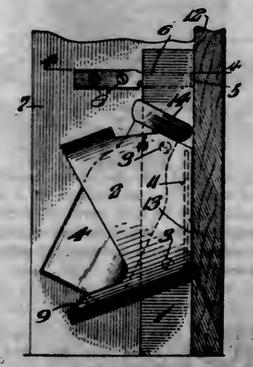
rail, said clip also having a resilient appendage to resist lifting of the rail from the tie.

1,640,926. CLOTHES WRINGER. HARRY J. CRINER, Clarinda, Iowa, assignor to L. V. Kokes and E. L. Vogeltanz, Ord, Nebr. Filed July 17, 1925. Serial No. 44,299. 8 Claims. (Cl. 68—32.)



1. An adjusting and releasing mechanism for clothes wringers comprising a channeled frame with wringer rolls mounted therein, bearing blocks and movable tension blocks adjacent the shafts of the rolls, a spring pressure bar bearing upon the movable tension blocks, a saddle, a flat top and sharply sloping sides adjacent thereto, secured to the pressure bar intermediate the ends thereof, a slotted socket formed in the upper middle portion of the channeled frame, an adjusting screw slidingly mounted in the slot having united thereto a ball adapted to fit within the socket and forming a joint therewith, a head united to the lower end of the adjusting screw adapted to seat upon the saddle and a handle formed upon the upper end of the adjusting screw and rigidly secured thereto.

1,640,927. MILK-BOTTLE HOLDER. LEWIS DANGERFIELD, Philadelphia, Pa. Filed Aug. 17, 1926. Serial No. 129,692. 2 Claims. (Cl. 282—42.)



1. In a device of the character stated, a generally tubular housing of resilient sheet metal, adapted to be secured to a door jamb, with the rear end thereof abut-

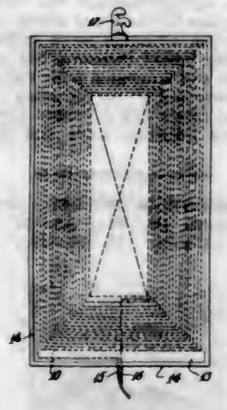
ting the door when the latter is in a closed position, said housing being inclined rearwardly and having an upper opening normally narrower than the neck of a bottle to be confined therein, the edges of said opening being adapted to engage and interlock with the flange of the neck of said bottle, and inwardly projecting lugs in the front end of the housing adapted to engage and support the bottom of said bottle.

1,640,928. RECTAL APPLIANCE. ALFRED DONOVAN, Barking, London, England. Filed Dec. 9, 1926, Serial No. 153,692, and in Great Britain Dec. 14, 1925. 2 Claims. (Cl. 128—271.)



1. A rectal appliance comprising a stem of an elongated pear shape having a relatively small central passage and a plurality of outwardly extending passages radiating from said central passage, a chamber in communication with said central passage, a plunger having longitudinal movement relative to said chamber, and means external to said chamber for causing said relative movement.

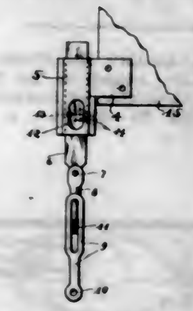
1,640,929. PORTABLE RADIOANTENNA. HENRY FARKOUH, Brooklyn, N. Y. Filed Nov. 24, 1925. Serial No. 71,079. 2 Claims. (Cl. 250—33.)



2. In a loop antenna of the class described, having certain turns of wire, the combination of a sheet, stitchings securing said sheet to said turns of wire, a sheet on each side of said sheet with attached wiring, a binding strip along the edges of said sheets, and stitchings securing said sheets together.

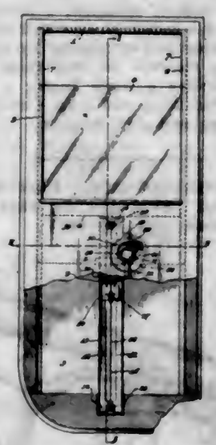
1,640,930. VEHICLE LOAD SCALE. GUSTAV W. GARTNER, Maywood, Calif. Filed Mar. 25, 1926. Serial No. 97,299. 2 Claims. (Cl. 265—40.)

1. In a vehicle-load scale, a clamping member adapted to be attached to the axle of a vehicle, a telescopic connecting rod inserted between the chassis of the vehicle and the said clamping member and embodying adjusting means by which the length of the rod can be adjusted, and weight-indicating means at certain points of the



telescoping rod in certain relations to the loading positions of the chassis and adapted to indicate added loads by the adjustability of the said rod.

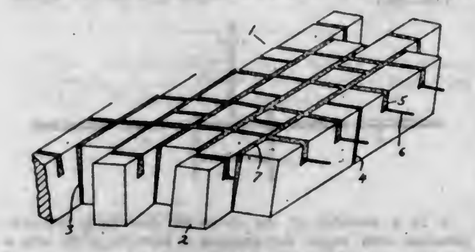
1,640,931. SASH-REGULATING DEVICE. KARL H. GETTNER, Detroit, Mich. Filed Nov. 19, 1923. Serial No. 675,708. 1 Claim. (Cl. 268—129.)



In a sash regulating device wherein a sash is adapted to be raised and lowered in a sash well formed by a frame having a sill, a supporting member mounted in the sash well with its lower end attached to the frame and its upper end attached to the sill, angular extensions on said supporting member, sheaves carried by the angular extensions of said supporting member and removable with said supporting member, a flexible member trained over said sheaves and adapted for raising and lowering the sash relative to said sill, a winding arbor supported from said supporting member, a drum on said arbor and to which drum the flexible member is attached and wound thereon, said sheaves having the axes thereof in a plane at a right angle to the axis of said winding arbor and drum, and means supported from said supporting member adapted to prevent free rotation of said winding arbor.

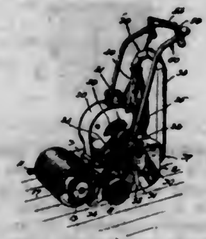
1,640,932. ARCH. JAMES C. GORDON, Detroit, Mich., assignor to Gordon Pagel Company, Detroit, Mich., a Corporation of Michigan. Filed May 26, 1924. Serial No. 716,037. 6 Claims. (Cl. 72—68.)

5. An arch comprising a plurality of fire bricks arranged end to end in rows with the joints between the bricks in adjacent rows relatively staggered, one face of each brick being provided with a transversely extending slot, each slot being restricted at the longitudinal edges thereof, and said slots being in alignment and forming a continuous channel extending transversely of



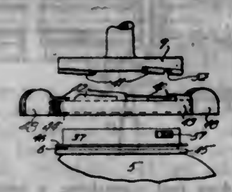
said rows, a reinforcing member extending transversely of said rows and lying within said channel, and a filling in the channel formed by the slots and cooperating with the restricted portions of said slots to prevent accidental displacement of said reinforcing member from said slots.

1,640,933. FLOOR-SURFACING MACHINE. LESTER M. GRIES, Detroit, Mich., assignor, by direct and mesne assignments, of one-half to United Tool and Manufacturing Co., Detroit, Mich., a Corporation of Michigan, and one-half to Master Woodworker Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed Nov. 10, 1925. Serial No. 68,093. 1 Claim. (Cl. 51—176.)



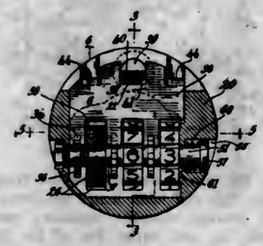
A surfacing machine comprising a body, side wheels supporting said body intermediate the ends thereof, a caster supporting the rear end of said body, a surfacing drum supported at the forward end of said body, and of a length materially less than the distance between said side wheels, said drum being shiftable from one side of said body to the other side, driving means for said drum, and means on said body adapted to facilitate raising and lowering the rear end of said body relative to said caster, said means being effective in throwing the weight of said body on said caster, said drum and one of said side wheels, the particular wheel depending on the position of said drum relative to said body.

1,640,934. RECEPTACLE COVER. ALBERT C. GRUNWALD, River Forest, Ill., assignor to Precision Metal Workers, Chicago, Ill., a Corporation of Illinois. Filed June 9, 1924. Serial No. 718,712. 5 Claims. (Cl. 220—40.)



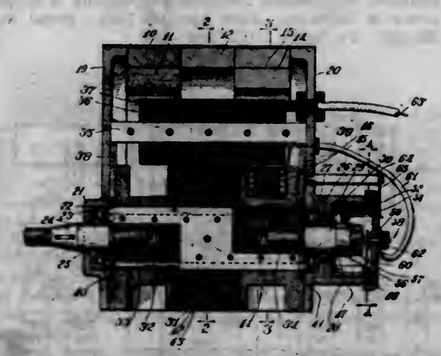
1. In combination, an oil can or the like, a cover for said can, inclined locking surfaces on said cover, a locking ring, inclined locking surfaces on said ring for engagement with the inclined surfaces on said cover and a lug for compelling seating of said cover in definite position on said can.

1,640,935. LOCK. ALEXANDER G. HATCH, Farmington, Conn., assignor to The Sesamee Company, Hartford, Conn., a Corporation of Connecticut. Filed May 4, 1926. Serial No. 106,614. 17 Claims. (Cl. 70—53.)



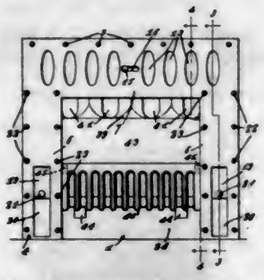
1. A permutation lock comprising a bolt independently settable rotary bolt-controlling tumblers each having a rotatable lock-controlling element, a concentrically mounted, directly accessible setting element therefor, and a coupling normally preventing relative rotary movement between said elements, said tumbler elements being relatively movable axially to disengage their coupling elements and thereby render them ineffective, a coupling disabling device, accessible from the exterior of the assembled lock and movable independently of said bolt, whereby a relative axial coupling disabling movement between the elements of a tumbler may be effected, thereby permitting one of its elements to be rotated by direct manipulation independently of the other, and motive means to restore said coupling to its normal effective relation and maintain it so.

1,640,936. IGNITION MAGNETO. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 25, 1922. Serial No. 546,678. 3 Claims. (Cl. 171—209.)



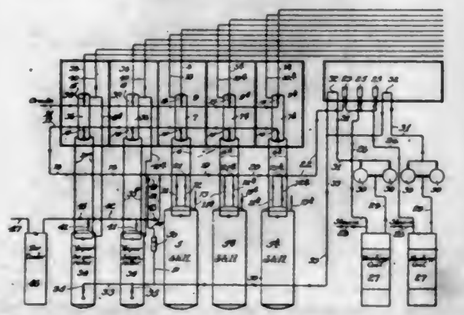
1. In a magneto, a permanent magnet having two pairs of separated pole pieces, there being one of each polarity in each pair, a rotor positioned between said pairs of pole pieces, a unitary inductor extending longitudinally of said rotor having its opposite ends offset, one of said offset ends being arranged to pass in proximity to two of said pole pieces of opposite polarity, and the other offset end being arranged to pass in proximity to the other two pole pieces, a primary and a secondary coil, a core for said coils having end projections adjacent said pole pieces and the path of said inductor, and a generator coil about said inductor element, said generator coil being connected in parallel with said primary coil.

1,640,937. FIREPLACE. HUBERT G. HEINISH, Huntington, W. Va. Filed Sept. 16, 1926. Serial No. 135,886. 4 Claims. (Cl. 126—121.)



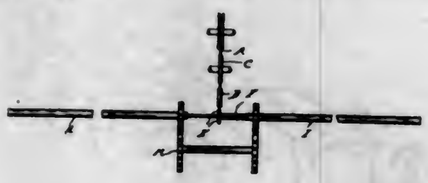
1. In open fire places an attachment therefor including front, side, top and back walls providing an air circulating and heating chamber opposing and closed to the sides, back, top and outlet flue of the fire-place and provided at the lower portion of the front thereof with controllable air inlet means and across the top of the front thereof with controllable heated air outlet means, that portion of the chamber arranged at the top of the fire-place having extending therethrough a series of upstanding, spaced outlet conduits inclining from front to rear and closed to such portion and providing means for the passage of the products of combustion from the fire box, superposed air deflectors arranged in spaced relation, progressively increasing in length upwardly, extending at an upward inclination from front to rear, positioned in each portion of said chamber which opposes a side wall of the fire box, of the same width as the width of such portion, having the rear ends thereof positioned at the rear end of such portions and with the lower of said deflectors having their forward ends spaced from the forward end of such portion, and superposed, spaced air deflectors of equal length arranged in that portion of the chamber which opposes the back of the fire box and of less width than the width of such portion.

1,640,938. ART OF DISTILLING OILS. FRANK A. HOWARD and NATHANIEL E. LOOMIS, Elizabeth, N. J., assignors to Standard Development Company, a Corporation of Delaware. Filed Apr. 10, 1922. Serial No. 551,354. 11 Claims. (Cl. 196—49.)



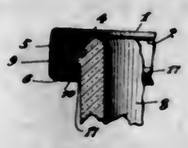
2. The method of distilling and converting hydrocarbon oils which comprises continuously performing the following steps in succession: passing the oil through a heated zone not substantially above atmospheric pressure, removing vaporized constituents therefrom during said passage, heating the residues to a conversion temperature while under pressure, reducing the pressure on the products of conversion, separating vapor from liquid products and commingling separated liquid products of conversion with fresh oil entering the process.

1,640,939. MACHINE FOR FORMING ARMORED INSULATED CONDUCTORS. JOSEPH H. HUNTER, Detroit, Mich., assignor to Detroit Insulated Wire Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 20, 1925. Serial No. 24,636. 5 Claims. (Cl. 113—35.)



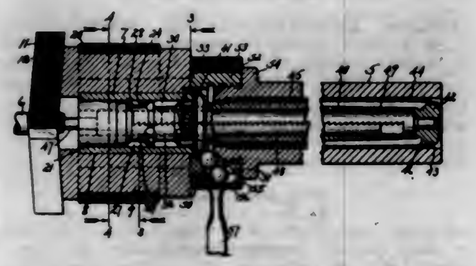
1. In a machine of the character described, the combination with means for forming a metallic strip into a spirally wound flexible rotating and advancing armored conduit, of means for rotating a conductor throughout its length about its own axis and for delivering the same axially into said armored conduit, both axial rotation and longitudinal advancement corresponding in speed to that of said conduit.

1,640,940. HERMETIC SEAL AND METHOD OF MAKING SAME. MAX JAEGER, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 3, 1924. Serial No. 710,722. 10 Claims. (Cl. 215—40.)



1. A closed package comprising a closure cap having a cover portion, a skirt depending from said cover portion, a ring shaped gasket supported by said skirt, in combination with a suitable container having a sharp edged locking shoulder adjacent the mouth of the container and with the external diameter of said locking shoulder being greater than the internal diameter of said gasket ring before the cap is applied, and means on said closure cap supporting said gasket ring adjacent said shoulder and maintaining a portion of said gasket ring under said shoulder without necessitating deformation of said closure, thereby interlocking said cap without deformation thereof with said container and forming a hermetic seal.

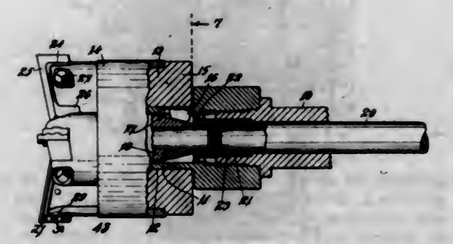
1,640,941. THREADING TOOL. CHARLES A. JOHNSON, Unionville, Conn. Filed Jan. 9, 1922. Serial No. 527,916. 20 Claims. (Cl. 10—100.)



12. A threading tool comprising a body, die holders movably mounted in the body, an actuator movable lengthwise within the body and operatively connected

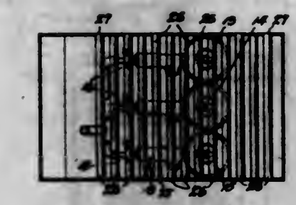
with said holders, an actuator stem rigidly connected with the actuator and having a groove, spring actuated retaining members located within the body and having fingers to engage said groove to retain the actuator in one position, and means for moving the actuator to disengage it from said fingers.

1,640,942. THREADING TOOL. CHARLES A. JOHNSON, Unionville, Conn. Filed Jan. 9, 1922. Serial No. 527,917. 12 Claims. (Cl. 10—100.)



9. A plurality of threading devices arranged in sets, the members of each set each comprising a plurality of threading members of different shapes, each threading member in each set being arranged to cut a groove and form the bottom on an angle intersecting the angular formation of the bottom created by a corresponding threading member in another set.

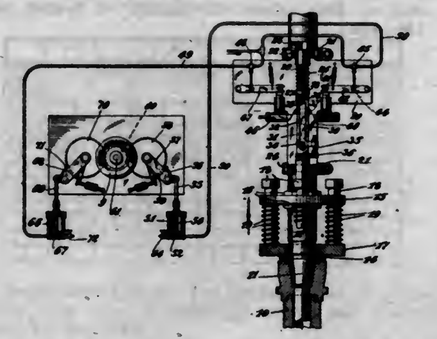
1,640,943. IMMERSIBLE WATER HEATER. SAMUEL M. KASS, Philadelphia, Pa. Filed Sept. 2, 1920. Serial No. 407,625. 2 Claims. (Cl. 126—360.)



1. A portable water heater adapted for immersion in water to be heated, comprising a heating element and a heat distributor having a chamber for the heat element and, over it, so as to be heated by it, a container for water ballast adapted to submerge the heater, the heating element and the ballast being so distributed that the heater partially floats.

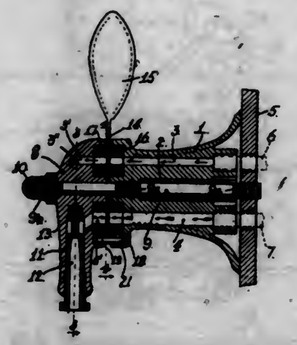
1,640,944. METHOD AND APPARATUS FOR REGULATING GLASS MACHINES. PETER KUCERA, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed Mar. 3, 1922. Serial No. 540,790. 23 Claims. (Cl. 49—5.)

16. The method of maintaining uniformity in the volumes of glass charges fed to molds, which method comprises measuring the volume of a charge and causing the variation of said measurement from a predetermined



standard to regulate the volume of each of a series of consecutive charges in accordance with said standard charge.

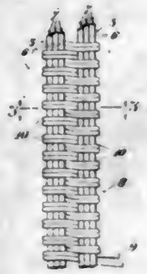
1,640,945. DISPENSING FAUCET. WILLIAM E. LEIBING, Oakland, Calif., assignor to Magnus Fruit Products Co., San Francisco, Calif., a Corporation of California. Filed Apr. 28, 1926. Serial No. 105,049. 4 Claims. (Cl. 225—26.)



1. A faucet, comprising a body member having a passage; a nozzle member having a passage registering with the passage of the body member; means for clamping the two members together; a ported valve member mounted for oscillation between the adjacent faces of the body member and the nozzle member, to control the registering passages thereof; and packing washers seated in the adjacent faces of said members surrounding the ends of the passages and adapted under the pressure of the clamping means to be compressed upon the opposite faces of the valve member, the surfaces of said packing members projecting beyond the wall of said body and nozzle members.

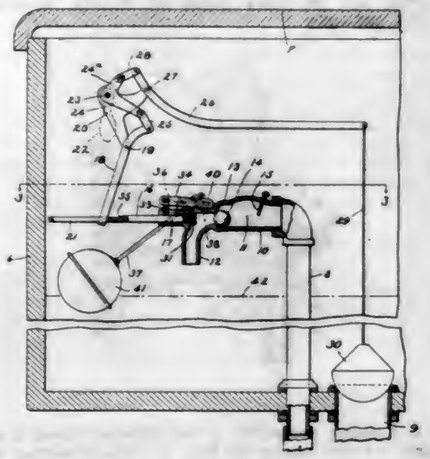
4. A faucet, comprising a body member having a passage, a nozzle member having a passage registering with the passage of the body member; a bolt passing through said members with its opposite ends threaded and projecting beyond the body member, a ported valve member between the adjacent faces of the body member and nozzle member for oscillation upon said bolt to control said registering passages, said nozzle provided with a bolt receiving opening through which one threaded end of the bolt extends, a nut for reception on the bolt end for clamping said members together, the other threaded bolt end adapted for jointly securing said members to a fixed support.

1,640,946. REED BRAID. MARSHALL B. LLOYD, Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed July 14, 1924. Serial No. 725,872. 3 Claims. (Cl. 139—420.)



1. A reed braid comprising two spaced groups of multiple warps and a filler strand member passing alternately around and over each group of multiple warps.

1,640,947. AUTOMATIC SHUT-OFF. JAMES A. LOCKHART, Revere, Mass. Filed Feb. 12, 1926. Serial No. 87,821. 5 Claims. (Cl. 4—41.)

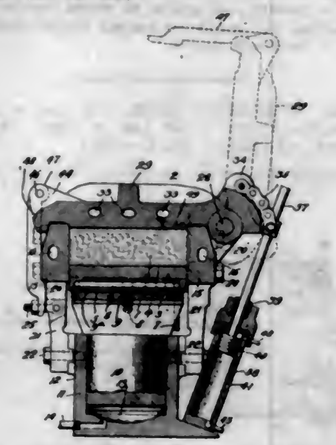


1. A supply valve for liquids comprising a casing having a restricted opening constituting a valve seat, a ball valve loose within the casing normally closing said valve seat by pressure of the liquid thereon, a rod slidable longitudinally through said opening in the direction of the path of motion of the ball valve, means for moving the rod to force the ball valve off seat, a pawl carried by the casing adapted automatically to engage the rod to hold the valve open, and means for releasing the pawl whereby the ball valve suddenly closes by pressure of the liquid.

1,640,948. FOOTWEAR. CHAUNCEY C. LOOMIS, Yonkers, N. Y., and HENRY W. BANKS, 3d, Noroton, Conn., assignors to The Hevea Corporation, New York, N. Y. Filed May 10, 1924. Serial No. 712,436. 11 Claims. (Cl. 12—142.)

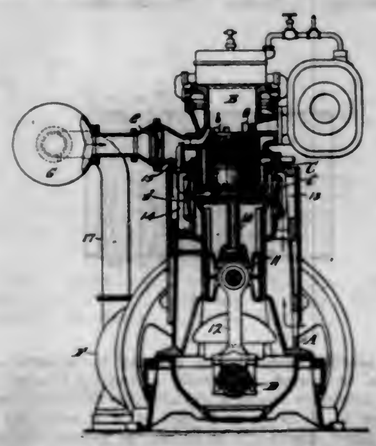
9. The method of outsoling a shoe which comprises applying to the sole of the shoe a layer of a composition that includes a rubber emulsion, a filler, and a protective colloid, all intimately mixed, and allowing coagulation of the emulsion to take place in situ, with consequent adhesion of the layer to the sole.

1,640,949. BLOCK PRESS. EVARTS G. LOOMIS, Newark, N. J. Filed Dec. 9, 1925. Serial No. 74,281. 15 Claims. (Cl. 18—16.)



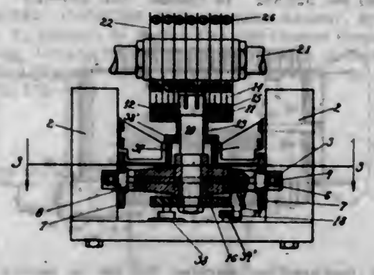
1. In a press of the class described, a cylinder base, a chase fixed to said cylinder base, a cover hinged to said chase, means on said cover for holding the sides together at the top when under high pressure, links pivotally connected to said cover and means for securing said links so that they will secure the cover to prevent leakage under high pressure.

1,640,950. INTERNAL-COMBUSTION ENGINE. CHARLES E. LUCKE, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed May 24, 1923. Serial No. 641,043. 7 Claims. (Cl. 123—74.)



6. The combination with the pistons and cylinders of a multicylinder internal combustion engine having scavenging ports in the side walls of the cylinders opened and closed by the pistons, of a displacement compressor for each cylinder, suction and discharge valves arranged close to said compressing chambers, short passages from the discharge valves to the scavenging ports, a header having a connection to each cylinder, an automatic check valve between the header and each cylinder, said check valves opening toward the cylinders, and a blower for supplying air to said header to augment the supply of air furnished by the displacement compressors.

1,640,951. APPARATUS FOR CUBING SLICED MATERIAL. WILLIAM E. LEIBING, Oakland, Calif., assignor to Magnus Fruit Products Co., San Francisco, Calif., a Corporation of California. Filed Oct. 26, 1925. Serial No. 64,622. 4 Claims. (Cl. 146—98.)

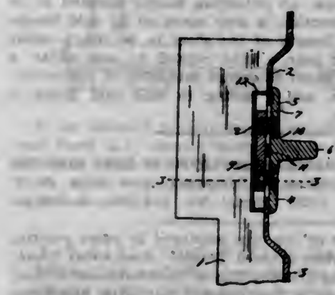


4. In combination with a movable turret for receiving and supporting on its surface a slice to be cut, a plurality of spaced rotary cutters for cutting the supported slice into a plurality of polygonal pieces, endless flexible devices between the cutters for acting on the slice to hold the same to the turret surface during its cutting.

1,640,952. METHOD OF TRANSFORMING TITANIUM-DIOXIDE OR RUTILE AND A PRODUCT THEREOF. SIMON J. LUBOWSKY, Brooklyn, N. Y., assignor to Metal & Thermit Corporation, Carteret, N. J., a Corporation of New Jersey. Filed Dec. 5, 1925. Serial No. 73,532. 6 Claims. (Cl. 23—117.)

1. In transforming titanium-dioxide or rutile into a soluble compound, the process which comprises calcining the same with magnesium oxide to approximately Seger cone 18.

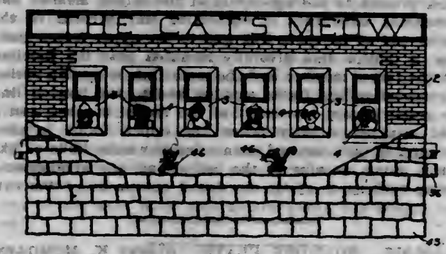
1,640,953. ADJUSTABLE DOVETAIL CONSTRUCTION. EVERETT E. LUNDBERG, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 2, 1925. Serial No. 66,328. 5 Claims. (Cl. 16—1.)



1. The combination with a door pillar having a depressed portion, in a wall thereof, of a dovetail member in said depressed portion and an adjustable connection between said member and pillar permitting said member to be adjusted lengthwise of said pillar without being removed therefrom.

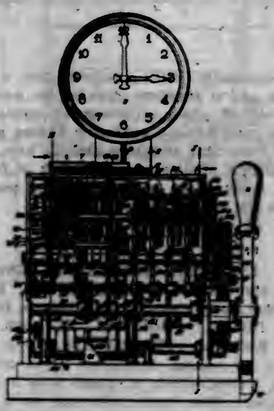
1,640,954. MOVING-TARGET GAME. CHARLES J. MACH, Millin Township, Allegheny County, Pa. Filed Dec. 8, 1926. Serial No. 153,285. 6 Claims. (Cl. 124—16.)

6. In a game device, a screen, a guide, a target movable in the guide, means for imparting a substantially continuous reciprocating movement of the target regardless of whether or not it is struck by a missile, the target being movable in substantial parallelism with the screen,



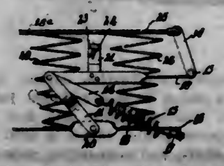
the target being adapted to be displaced from its normal setting upon being struck by a missile, and resetting means for the target.

1,640,955. MACHINE FOR RECORDING TIME. PAUL MANKEL, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed July 5, 1924, Serial No. 724,477, and in Germany June 29, 1923. 12 Claims. (Cl. 234—41.)



1. The combination in an apparatus for checking time by marking cards, of a card adapted to be introduced into the said apparatus, two parallel rows of perforations arranged in staggered relation in the said card, means for stamping the entry and exit time values on the said card, guiding elements connected to the said stamping means and adapted to cooperate with the said rows of perforations by alternatingly rendering one of the said stamping devices operative, and actuating elements for operating said stamping devices.

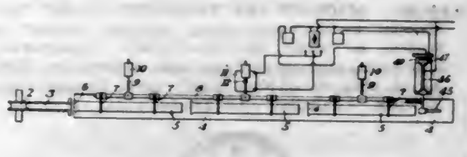
1,640,956. BEDSPRING BRACE. CHARLES MARCONI, Brooklyn, N. Y. Filed Aug. 26, 1925. Serial No. 52,555. 3 Claims. (Cl. 5—262.)



1. A reinforcing device for the edges of bed springs provided with coiled springs acting between flat straps secured to a frame member and an upper frame mem-

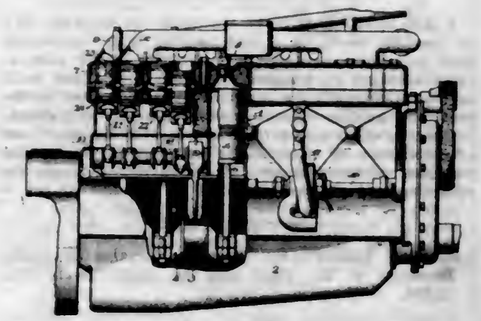
ber, comprising edge units, each consisting of a forked member pivoted to certain of the flat straps of the frame member, and extending upwardly and inwardly, a main link pivoted to the upper end of the forked member and extending outwardly, a connecting link pivoted to the outer end of the main link and to the upper frame member, a tension link pivotally mounted near the junction of the forked member and the main link, a tension spring connected to the frame member and to the tension link to resist inward movement of the forked member, and a bar situated slightly below the upper frame member inward of the edge and connecting the main links of like units along an edge of the bed spring, the arrangement being such as to resist downward movement of the bar.

1,640,957. ROLL-OFF PLATE. ALBERT K. MCMILLEN, Pittsburgh, Pa., assignor to Central Tube Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 21, 1926. Serial No. 143,202. 4 Claims. (Cl. 80—42.)



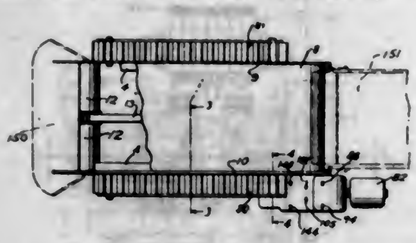
4. The combination with a roll-off plate, a roll-off plate cover guide and a member actuated by material resting upon the roll-off plate, of a control apparatus for the cover guide comprising a contactor having a plurality of stationary contacting members and an arm that is movable to engage a predetermined number of the stationary contacting members in response to the position of the material on the roll-off plate.

1,640,958. INTERNAL-COMBUSTION ENGINE. OTTO NELSON and PETER LIGNELL, Chicago, Ill., assignors to Hercules Motor Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 28, 1925. Serial No. 58,960. 9 Claims. (Cl. 123—188.)



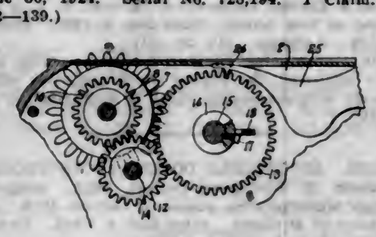
1. In an internal combustion engine, the combination of a cylinder, a piston in said cylinder, inlet and exhaust valve cylinders connected with said first mentioned cylinder through ports, piston valves in said valve cylinders, a valve crank shaft, and connecting rods operatively connecting said crank shaft with said pistons, said crank shaft being offset laterally from the axis of at least one of said valve cylinders.

1,640,959. CONVEYER. RICHARD PEALE, St. Benedict, Pa., assignor, by mesne assignments, to Rembrandt Peale, W. Sanders Davies, and William S. Wallace, trustees. Original application filed Mar. 12, 1920, Serial No. 365,208, Patent No. 1,433,900, dated Oct. 31, 1922. Divided and this application filed Dec. 30, 1921. Serial No. 525,832. 18 Claims. (Cl. 198—7.)



1. A coal-handling machine for use in narrow coal seams, including in combination, a low flat frame, an endless conveyer passing over and under the frame, endless traction treads alongside the frame and substantially coextensive longitudinally with the said endless conveyer, and means for driving the endless traction treads independently.

1,640,960. AUTOGRAPHIC REGISTER. FRANK E. PFEIFFER, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed June 30, 1924. Serial No. 723,194. 1 Claim. (Cl. 192—139.)



In an autographic register having a plurality of sheets to be fed therefrom, an actuating handle adapted to be rotated in one direction, a gear operated by said handle to determine the length of the sheet to be fed, a collar rotated with said gear, a stud carried by said collar, a laterally movable finger to engage said stud on one revolution of said gear, and a spring to hold said finger in engaging position.

1,640,961. SUPERDURABLE PHOTO PLATES FOR INK PRINTING. ALBERT J. PINCKNEY, New York, N. Y. Filed Dec. 10, 1926. Serial No. 154,039. 6 Claims. (Cl. 41—41.5.)

1. A photoplate of the type employed in offset printing comprising a surface-grained flexible sheet-metal plate; an image imparting printing film of light-hardened albuminous matter which is over-exposed but with highlights, whereby the finished plate is of markedly increased durability for the production of offset impressions.

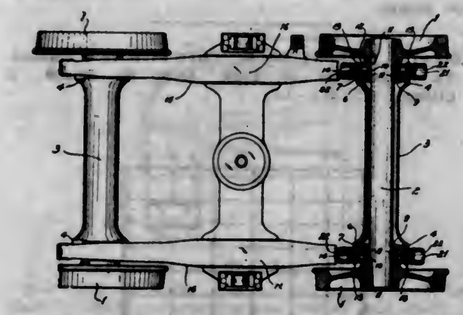
4. The process of forming photo-plates of the type employed in offset printing comprising coating the grain surface of a sheet metal plate with a water solution of albumen and a light sensitive salt of the type capable of hardening albumen on exposure to light; exposing the said coated surface to image strained light; spreading an ink mixture of pulverulent black substance and oil over said surface; subjecting said inked surface to the solvent action of water and gentle abrasion; then exposing said entire surface for some five to ten minutes to the direct action of strong actinic light; and subsequently edging and finishing said plate in accordance with any usual procedure here allowable whereby because of the said exposure of the incomplete printing surface to strong actinic light between the time it is edged and the time it is exposed to image strained light, a toughening of the image carrying film is effected.

1,640,962. CLOSURE CAP. GEORGE RAMSEY, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Mar. 25, 1924. Serial No. 701,668. 16 Claims. (Cl. 215—39.)



1. A closure comprising a cover portion, and a skirt depending from said cover portion, said skirt being corrugated to permit circumferential expansion, and said cover portion being provided with an annular expansion zone to permit the top of the skirt to move radially as a whole with respect to said cover portion when the closure is applied to a suitable container.

1,640,963. RAILWAY-CAR TRUCK. WALTER C. SANDERS, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Dec. 30, 1926. Serial No. 158,108. 4 Claims. (Cl. 105—182.)



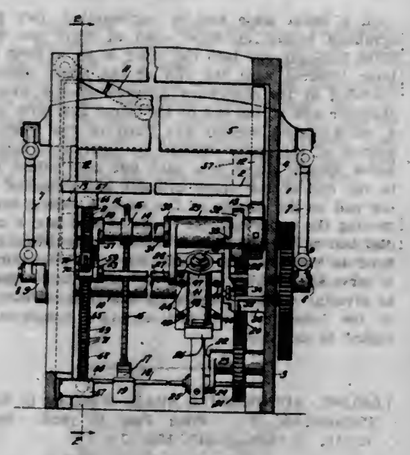
1. An inboard railway truck comprising axle housings and truck side frames having yokes that straddle said housings, said yokes having vertical channels in their inner surfaces and said housings having ribs engaging said channels.

1,640,964. ROLL-MAKING MACHINE. OSWALD SCHLAUPITZ and WILLIAM SCHUM, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Oct. 26, 1923. Serial No. 671,043. 1 Claim. (Cl. 78—61.)



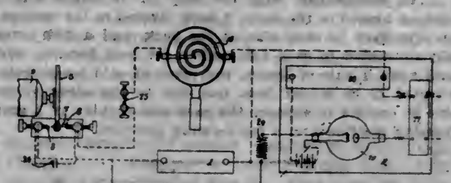
A roll making machine comprising a die having a conical, horizontally disposed seat, a knockout member forming the central end portion of said die and having a conical end adapted to form a depression in the end of the work, a hollow punch holder movable toward said die, said punch holder having an annular end flange adapted to fit over the end of said die, a hollow punch slidably mounted in the bore of said punch holder, said punch having a central concave depression adapted to engage the end of the work and center it in the die and shape said end of the work, a second punch fixed in said punch holder and disposed in the bore of said hollow punch and having a conical end adapted to form a depression in the end of the work in alinement with the depression formed by said knockout member, and means for limiting the movement of said hollow punch in said punch holder whereby said second punch forms the depression in the end of the work after said hollow punch has shaped said end.

1,640,965. AUTOMATIC CLAMPING DEVICE FOR PAPER-CUTTING AND OTHER MACHINES. JOHN F. SCHROETER, Atlanta, Ga. Filed Apr. 8, 1926. Serial No. 100,542. 10 Claims. (Cl. 164—54.)



2. In an apparatus of the class described, a clamp, a shaft adapted to be oscillated, means for causing said shaft to drive said clamp, a sleeve loosely mounted on said shaft, arms extending from said sleeve, clamping friction devices pivotally connected to said arms, a gear carried by said friction clamping devices and provided with a ratchet connection therewith, mechanism for driving said gear and means for driving said mechanism in two directions so as to cause a clamping action when driving in one direction and a release when driving in the other.

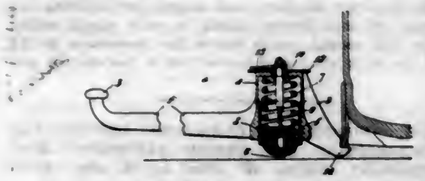
1,640,966. FLASH-PRODUCING APPARATUS. LAURENT SEGUIN and AUGUSTIN SEGUIN, Paris, France. Filed Feb. 23, 1926, Serial No. 90,067, and in France Mar. 5, 1925. 13 Claims. (Cl. 176—124.)



1. Flash producing apparatus comprising a luminescent silent discharge tube, a condenser, means for charging said condenser in a continuous manner, a noninductive circuit connecting said condenser to said silent discharge

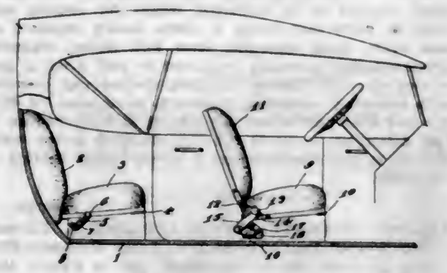
tube and means adapted to close directly said circuit in an intermittent manner and independently of the charging operation for said condenser, for producing instantaneous discharges in said tube.

1,640,967. BEAM SCALE. DANIEL SIEBENMANN, Bern, Switzerland. Filed Mar. 9, 1927, Serial No. 173,881, and in Switzerland Mar. 10, 1926. 1 Claim. (Cl. 265—68.)



In a beam scale and in combination, two vertically arranged hollow cylinders open at their one ends and fitted slidingly one into the other so as to form a box, a lever integral with the end of the upper cylinder and provided at its downward directed shorter arm with a shoulder and at the end of its longer arm with a treadle, a quick-pitched central nut fixed to the inside of the bottom of the lower cylinder, a correspondingly pitched screw spindle fitted into said nut and lodged rotatably in the end of the upper cylinder and extended with its top end to the outside of the same, a helical spring supporting the upper cylinder inside of said box, a graduated dial fast to the end outside of the upper cylinder, a hand fixed to the top end of the screw spindle and adapted to serve as indicator on said dial and a knife-edge serving as pivoting means of the scale and integral with the end of the lower cylinder and arranged transversely with regard to said lever.

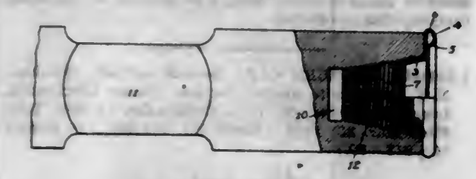
1,640,968. AUTOMOBILE SEAT. WILLIAM B. SOUTHERN, Philadelphia, Pa. Filed July 8, 1925. Serial No. 42,115. 4 Claims. (Cl. 155—7.)



1. In combination with the body of an automobile, a cushion hinged to the body; a back pivoted to the cushion; an arm fixed to each side of the back, and a link pivotally connected to each arm and to the body forming with said arms a pair of levers, the pivot of said levers being adapted to be moved from one side to the other of the line of centers to support the back and cushion in a seat-forming position and a bed-forming position.

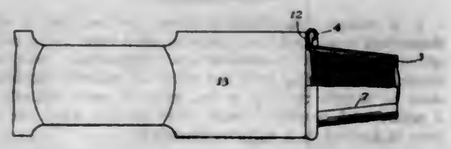
1,640,969. THREAD GUARD. WILLIAM H. WESTERMAN, Marietta, Ohio. Filed May 18, 1927. Serial No. 192,498. 12 Claims. (Cl. 137—91.)

1. A thread protector comprising an annular body having a threaded exterior portion, said body having an integral outwardly turned lip for contact with the end of the article to be protected, and an inwardly turned



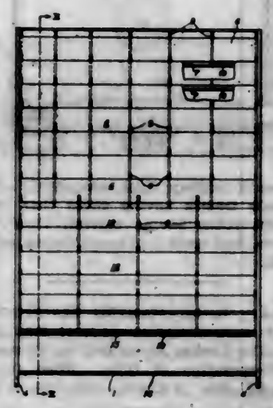
flange on the lip spaced out of contact therewith, said flange providing a yieldable guard at the end of the protector.

1,640,970. THREAD PROTECTOR. WILLIAM H. WESTERMAN, Marietta, Ohio. Filed May 18, 1927. Serial No. 192,499. 5 Claims. (Cl. 137—91.)



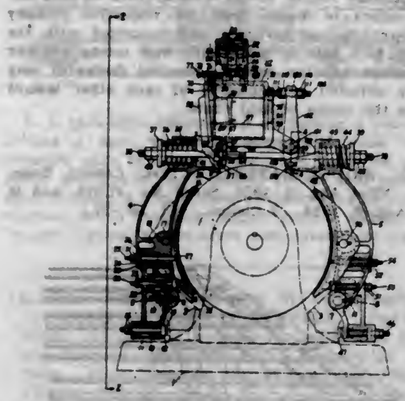
3. A thread protector comprising an annular body portion open at both ends with an outwardly extending double walled flange at one end and inwardly extending prongs at the other end and a ring of relatively soft metal cast in place within the body portion and engaging said prongs.

1,640,971. DISPLAY RACK. CHARLES WIDEN, Trafford, Pa. Filed Sept. 29, 1925. Serial No. 59,969. 2 Claims. (Cl. 211—14.)



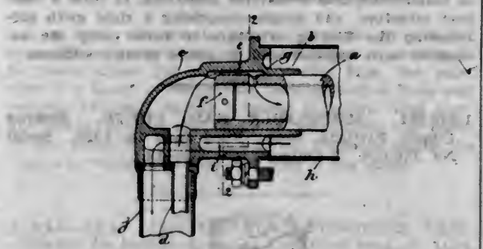
1. In a unitary upright display rack, an upper section comprising a plurality of parallel shelves of equal length defining a series of parallel extending pigeonholes, and a lower section comprising a plurality of shelves whose angular relations to the shelves of the upper section and to one another varies, the depth of the shelves of the lower section varying but being greater than those for the upper section whereby the pigeonholes of the lower section extend at different angles to those of the upper section.

1,640,972. BRAKE. JOHN N. ANDERSON, Hoboken, N. J., assignor to Otis Elevator Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 14, 1927. Serial No. 161,096. 13 Claims. (Cl. 188—171.)



9. In a brake having a pair of brake arms, a releasing mechanism, said releasing mechanism comprising an armature supported on one brake arm, and a magnet supported at one end on said armature and at its other end to the other brake arm.

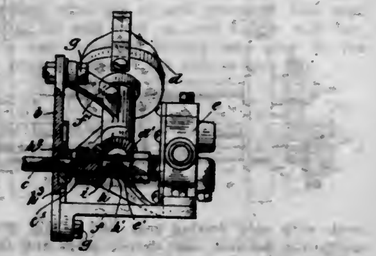
1,640,973. LUBRICATING ARRANGEMENT FOR INTERNAL-COMBUSTION OR LIKE ENGINES. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Feb. 28, 1925, Serial No. 12,526, and in France Apr. 22, 1924. 2 Claims. (Cl. 184—7.)



1. In combination with the lubricating system of an engine with oil under pressure and having a hollow shaft: a bearing supporting one end of said shaft, a chamber formed in said bearing beyond said end of said shaft, and in communication with the oil supply, a longitudinal groove formed partly in the inner surface of said bearing and along said shaft and partly in the wall of said chamber, and an aperture through the wall of said shaft, the length of the arc through which said groove extends upon the hollow shaft, and the diameter of said aperture being so determined as to limit the quantity of lubricant to the amount strictly necessary for the lubrication, whereby all excess of pressure as well as leakage will be obviated, said aperture having besides a sufficient diameter to prevent all obstruction of the same.

1,640,974. MARINE ENGINE. MERRILL G. BARKER, Norwalk, Conn., assignor to The Barker Factory, Inc., Norwalk, Conn., a Corporation of Connecticut. Filed Oct. 23, 1924. Serial No. 745,881. 1 Claim. (Cl. 123—195.)

In combination with an internal-combustion engine having a protruding shaft driven from the engine, a water pump mounted with its rotor aligned with the shaft, a driving sleeve connection pinned to the rotor operatively and to the shaft, a distributor mounted at one side of

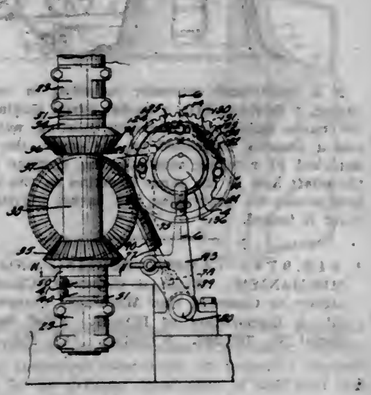


the shaft, and a driving gear for the distributor mounted on the said sleeve and secured to the shaft by the said pinning means.

1,640,975. PROCESS OF RECOVERING STYRENE. RALPH L. BROWN, Pittsburgh, Pa. Filed Nov. 10, 1922. Serial No. 600,027. 5 Claims. (Cl. 260—168.)

1. The process of recovering styrene from carburetted water gas drip oil, comprising fractionating the drip oil to separate the styrene together with oils having boiling points near the boiling point of styrene, converting the styrene into relatively non-volatile form, and separating the volatile oils therefrom by distillation.

1,640,976. PRINTING PRESS. MARTIN W. BRUESHABER, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Jan. 16, 1923. Serial No. 612,947. 22 Claims. (Cl. 270—5.)

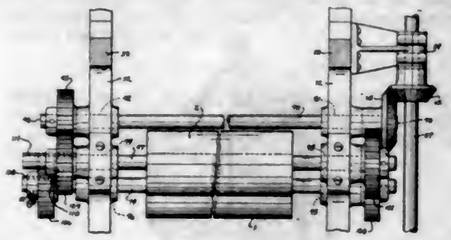


1. A printing press including in combination a printing couple comprising a form cylinder and an impression cylinder, a reversible driving mechanism on the impression cylinder including spacing means for locking said driving mechanism in forward, reversing and neutral positions, and means for moving the form cylinder away from impression.

1,640,977. PRINTING PRESS. MARTIN W. BRUESHABER, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Aug. 20, 1924. Serial No. 733,115. 24 Claims. (Cl. 270—5.)

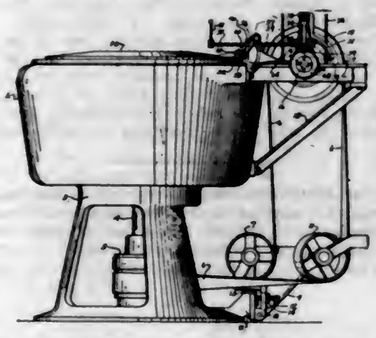
1. A printing press including in combination a plurality of printing couples, a common driving shaft there-

for, a driving gear wheel on the driving shaft for each printing couple, a driven gear wheel continuously in



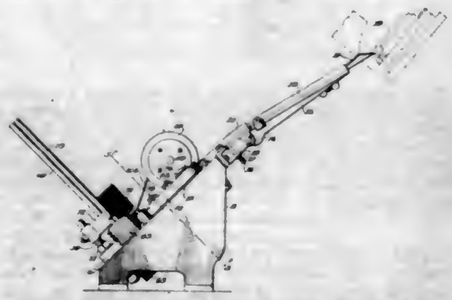
mesh with said driving gear and a slip gear reversing mechanism between said driven gears and their printing couples.

1,640,978. CENTRIFUGAL EXTRACTOR. TANDY A. BRYSON and FRANK I. WILLIAMS, Troy, N. Y., assignors to Tolhurst Machine Works, a Corporation of New York. Filed May 15, 1924. Serial No. 713,468. 22 Claims. (Cl. 192—136.)



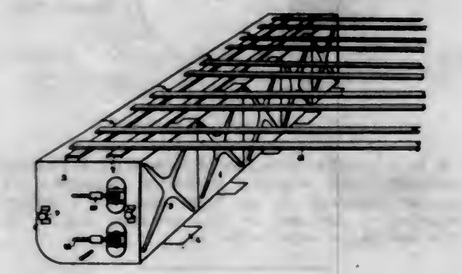
2. A centrifugal extractor including in combination a basket, a driving shaft, a basket cover, locking means for the cover including a member rotating with the shaft and a member controlled by the cover, the cover being unlocked by rotating said rotating member relatively to the shaft and in the same direction as the shaft drives, and means for preventing the basket starting until the cover is locked.

1,640,979. CAN-END CURLING AND STACKING MECHANISM. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1924. Serial No. 735,287. 8 Claims. (Cl. 153—59.)



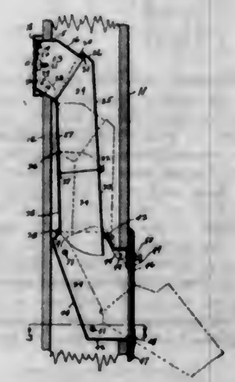
1. In a machine for curling flanged can ends, the combination of a bed presenting an inclined upper face, a chute mounted upon said face along which can ends travel, a primary flanging roller mounted at each side of chute, a secondary flanging roller mounted at each side of said chute, all the said rollers being disposed in the plane of a can end in said chute, means for driving each of said primary rollers, means whereby each of said secondary rollers is driven from its respective primary roller, gear housings enclosing and connected with the rollers at each side of said chute, and means whereby said housings and the rollers connected therewith may be bodily adjusted independently of each other toward and from the center of said chute.

1,640,980. BRIDGE MATERIAL. ITALO CARONI, Rome, Italy. Filed Aug. 3, 1925, Serial No. 47,910, and in Italy Aug. 6, 1924. 3 Claims. (Cl. 14—27.)



1. In a floating structure, the combination with a plurality of floating units each comprising a completely closed, water tight hollow metal body of rectangular prismatic shape, of means connecting adjacent units both in longitudinal and transverse directions, to form a compact structure, and means comprising a rigid girth surrounding the floating structure to better keep the assembled units together and to secure greater stiffness.

1,640,981. ADJUSTABLE MAIL CHUTE. NEWTON COHAN, Portland, Oreg. Filed June 14, 1926. Serial No. 116,058. 3 Claims. (Cl. 232—19.)



2. An adjustable mail chute for hollow walls having an inlet box provided with a closure at one end; a bendable chute connected to the opposite end of said inlet box and adapted to extend downwardly in a wall space; an outlet box hinged to the lower end of said chute; and closure means for the rearward end of said outlet box.

1,640,982. TURNTABLE. ANTHONY L. CRESCI, Vineland, N. J. Filed June 10, 1924, Serial No. 719,031. Renewed July 2, 1927. 8 Claims. (Cl. 104—38.)



1. A turn-table adapted for supporting a vehicle comprising a base, a central supporting frame rotatably mounted upon said base, track units supported upon opposite portions of said central frame, said track units each forming a rigid truss structure having low track sections and a relatively higher central section adapted to give rigidity to the track unit throughout its length.

1,640,983. DEVICE FOR USE IN AND PROCESS OF INCASING STRUCTURAL MEMBERS. JOHN MAURICE CAOM, Chicago, Ill., assignor to Cement Gun Contracting Company, Allentown, Pa., a Corporation of Delaware. Filed June 15, 1926. Serial No. 116,245. 7 Claims. (Cl. 25—131.5.)



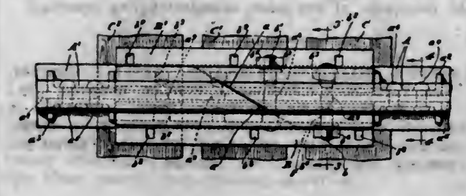
1. A device for use in incasing a girder by shooting cementitious material in place, comprising a member to be placed along but spaced outwardly from the outer edge of a flange of said girder, clips projecting from said member and each having a recess to receive said edge, and means engaging said girder at the opposite side thereof and connected with said clips for yieldably urging the clips into engagement with said edge of the flange.

1,640,984. CONVERTIBLE AUTOMOBILE SEAT. GIANNI DE PETRIS, Kewanee, Ill. Filed Sept. 17, 1926. Serial No. 136,022. 3 Claims. (Cl. 155—7.)



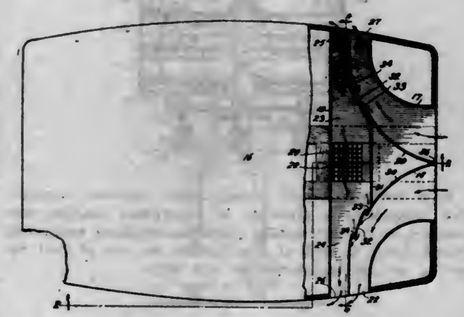
1. In a device of the class described, having a hollow rack bar with a gear on one end, said rack bar being operatively connected to lower the back of a chassis front seat, and a shaft with a gear extending through said rack bar gear, said shaft being operatively connected to move the rear seat, and incline the back of said rear seat of a chassis, the combination of a stub shaft rotatively mounted in said chassis, a hand wheel on the outer end of said shaft, two gears on the inner end of said shaft, a crank member rotatively and slidably mounted in said chassis, a crank portion formed on the inner end of said crank member, an idler gear rotatively mounted on said crank portion, a pair of collars on each side of said gear, an inner end portion depending perpendicularly from said crank member, a side arm depending perpendicularly from said crank member, an outer end portion depending perpendicularly from said crank member, a pin slidable through said outer end portion engageable in apertures in said chassis, said idler gear normally meshing with one of said gears on said stub shaft and with the said gear on said hollow rack bar, and said side arm normally locking said gear on the shaft which extends through the hollow rack bar.

1,640,985. RAIL JOINT CARL EICKEMEYER, Brooklyn, N. Y. Filed June 8, 1926. Serial No. 114,392. 4 Claims. (Cl. 238—243.)



1. In combination with a rail joint, a bracket attached to the rail web to abut against the ends of the rail joint splice bar, for the purpose described.

1,640,986. VENTILATING APPARATUS. MATHER GARLAND, Chicago, Ill., assignor to Garland Ventilator Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 8, 1923. Serial No. 667,096. 9 Claims. (Cl. 98—2.)

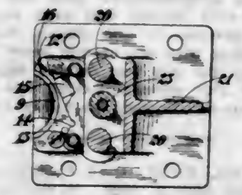


1. A closed automobile passenger-body having embodied in its roof structure and substantially concealed therein, a ventilating apparatus comprising an induction conduit which opens in the extreme front edge of said roof and discharges through the side edge thereof and an eduction conduit in communication with the interior of said body and having its discharge in the side edge of said roof and exposed to the force of the air flowing through said induction conduit, whereby an exhaust through said eduction conduit is maintained while the automobile is in forward travel.

1,640,987. MANUFACTURE OF HOLLOW ARTICLES OF RUBBER. CHRISTIAN HAMILTON GRAY, London, England. Filed Sept. 9, 1924, Serial No. 736,740, and in Great Britain Nov. 15, 1923. 10 Claims. (Cl. 18—56.)

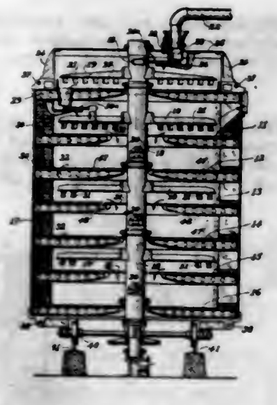
1. As an article of manufacture, a hollow blank for use in the making of hollow rubber articles, said blank having the form of a substantially regular tetrahedron com-

prising a base and three sides meeting at an apex, the width of the adherent faces of each joint at the apex be-



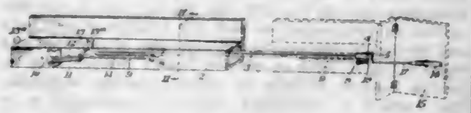
ing greater than the width of the adherent faces along the remainder of the joint, substantially as described.

1,640,988. ROASTING FURNACE. Henry J. Hartley, New York, N. Y.; Edward J. Fowler, Redwood City; and Dudley Baird, Berkeley, Calif., assignors to Nichols Copper Company, New York, N. Y., a Corporation of New York. Filed July 21, 1926. Serial No. 123,864. 18 Claims. (Cl. 263—26.)



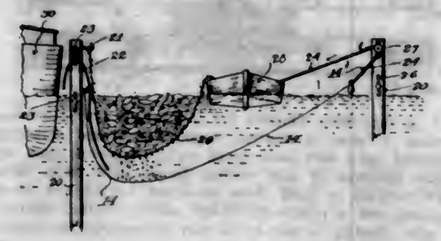
5. A multiple hearth rotary shaft furnace construction comprising a plurality of superposed hearths surrounded by a substantially cylindrical furnace wall, each hearth being formed of demountable sectors of heat resisting material supported by said wall.

1,640,989. DOOR CONTROL. Charles A. Hennicke, Buffalo, N. Y., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 6, 1925. Serial No. 28,528. 6 Claims. (Cl. 268—3.)



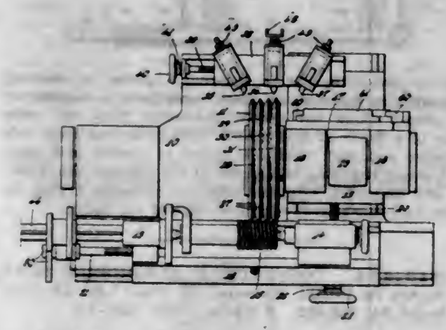
1. A door control, comprising a slide rod adapted to be mounted for reciprocation upon a portion of a vehicle or other body, anti-friction means associated with said slide rod, an operating lever adapted to be connected to said body, a link connecting one end of said slide rod with said lever, and a connecting rod connected to the other end of said slide rod and adapted to be connected to a door, said link and said connecting rod being movable in the same plane as the door and the lever, substantially as described.

1,640,990. METHOD OF REMOVING AND CATCHING THE SCALES OF FISH AT TRAPS. George H. Hinton and Thomas W. Marsh, Reedville, Va. Filed July 29, 1926. Serial No. 125,617. 3 Claims. (Cl. 43—100.)



1. The method of collecting scales from live fish consisting in trapping the fish in a net having a mesh that will permit the tides to wash therethrough, drawing the trap-net containing the live fish so as to gather the live fish in a confined space and cause them to frictionally rub each other to remove their scales while held in the original trap-net and employing a finer mesh net beneath the gathered together trap-net to catch the scales thus removed at the trap.

1,640,991. GRINDING WHEEL. Bengt M. W. Hanson, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Original application filed May 21, 1923, Serial No. 640,351. Divided and this application filed Jan 22, 1925. Serial No. 4,107. 5 Claims. (Cl. 51—206.)

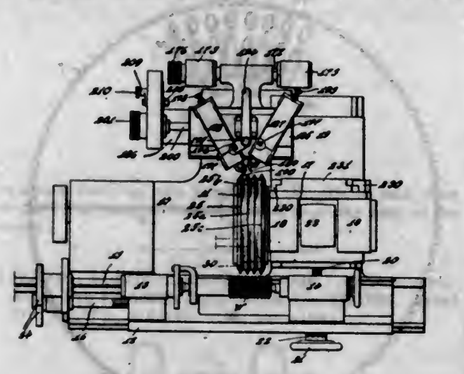


1. A wheel for grinding convoluted members comprising a wheel circular in cross section and provided with circumferential serrations on its periphery conforming generally in cross section to a screw thread, adjacent ones of said serrations being spaced a distance equal to a multiple of the distance between successive convolutions on the work thereby providing channels between the wheel and the work operated upon for the passage of a cooling fluid.

1,640,992. METHOD OF AND APPARATUS FOR GRINDING THREADED MEMBERS AND THE LIKE. Bengt M. W. Hanson, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Filed Mar. 27, 1925. Serial No. 18,835. 11 Claims. (Cl. 51—95.)

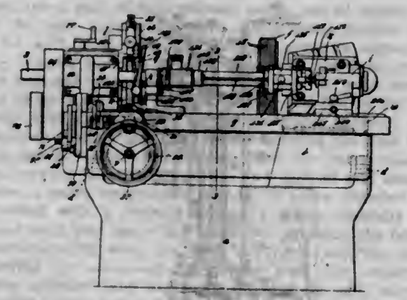
1. In a machine for grinding on metal work pieces convolutions corresponding in cross section to a screw thread and in combination, means for rotatably supporting a piece of work, a grinding wheel of abrasive material having a plurality of spaced concentric grinding serrations adapted to simultaneously operate upon a plurality of convolutions on the work and spaced apart a distance

which is a multiple of the distance between adjacent convolutions on the work so as to allow for passing of a cooling fluid between the grinding wheel and the part of each convolution on the work during the grinding



operation means for rotatably supporting the grinding wheel with its serrations in engagement with the convolutions on the work, and means for moving the work longitudinally.

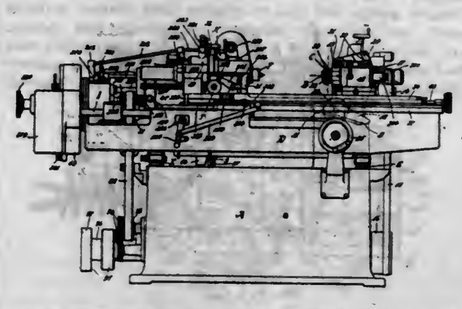
1,640,993. METAL-WORKING MACHINE. Bengt M. W. Hanson, Hartford, Conn.; Einar A. Hanson and Clarence E. Whitney executors of said Bengt M. W. Hanson, deceased. Filed May 26, 1925. Serial No. 33,023. 45 Claims. (Cl. 51—95.)



1. In a machine of the character described, a fixed bed, a rocking bed fulcrumed thereon, a tool on said fixed bed, a work holder slidably mounted on said rocking bed and having means for rotatably supporting a piece of work, and feeding means for rocking said rocking bed to feed the work relative to the tool and including a lever, a member on said fixed bed supporting one end of said lever, a member on said rocking bed supporting the other end of said lever, said rocking bed being supported by said lever, and means on said rocking bed for vertically moving said last mentioned member to thereby rock the lever and the rocking bed therethrough.

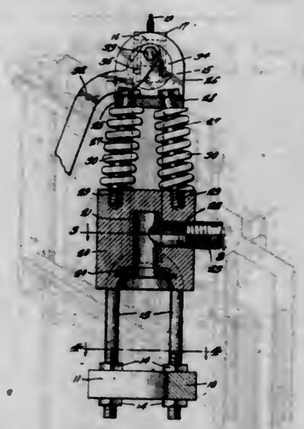
1,640,994. METAL-WORKING MACHINE. Bengt M. W. Hanson, deceased, Hartford, Conn., by Einar A. Hanson and Clarence E. Whitney, executors. Hartford, Conn. Filed Mar. 18, 1926. Serial No. 95,765. 47 Claims. (Cl. 51—52.)

1. In a machine of the character described, means for rotatably supporting the work, a grinding wheel, automatic means for effecting a relative indexing movement between the work and wheel longitudinally of the work, automatically operated means for effecting a relative movement between the work and wheel away from each other preliminary to each indexing movement and then



towards each other after each indexing movement, and automatically operated means for continuously and uniformly effecting a feeding movement between the work and wheel during each grinding operation.

1,640,995. TESTER. John K. Hartline, Albuquerque, N. Mex. Filed Nov. 9, 1925, Serial No. 67,991. Renewed Apr. 4, 1927. 2 Claims. (Cl. 137—77.)

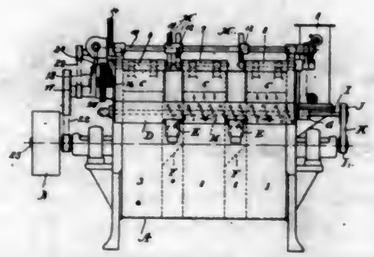


1. A device of the character described comprising a base having a slot opening at one side thereof, spaced standards rising from the base, a member supported by the standards for sliding movement there between, a head arranged between said standards and suspended from said member, a yieldable connection between the member and said head, a lever associated with said member for controlling the movements of the latter between said standards, said head having a fluid passage arranged axially thereof, and a fluid supply pipe communicating with said passage.

1,640,996. MACHINE FOR SHELLING AND POLISHING GRAIN AND THE LIKE. Martin Hoff, Frankfort-on-the-Main, Germany, assignor to Kaspar Getreideschälmaschine G. m. b. H., Offenbach-on-the-Main, Germany, a Corporation of Germany. Filed June 12, 1924, Serial No. 719,519, and in Germany July 17, 1923. 7 Claims. (Cl. 88—44.)

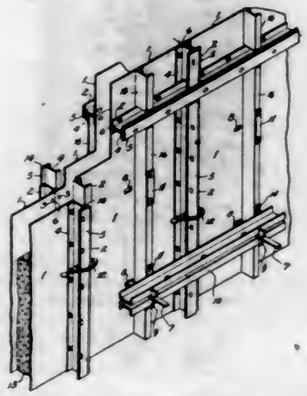
1. The method of treating grain and the like, which consists in simultaneously treating a plurality of inde-

pendent charges of material in a plurality of steps for a given period of time, discharging the fully treated charge at the end of said period of time, then succes-



sively transferring the other charges for successive treatments and subsequently to this transfer introducing a new charge of material.

1,640,997. FORM WORK FOR CASTING WALLS AND THE LIKE. SOLOMON C. HOLLISTER, Swarthmore, Pa., assignor to John H. McClatchy, Philadelphia, Pa. Filed Apr. 8, 1926. Serial No. 100,627. 8 Claims. (Cl. 25—131.)

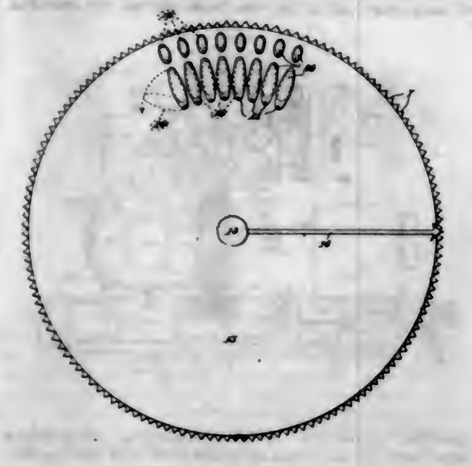


1. A form unit for casting plastic material comprising a plate and stiffening members on opposite margins of said plate arranged with their outer edges spaced sidewise from the outer edges of said plate suitably for cooperation with counterpart plates, said unit having an inclined surface adapted to guide such counterpart unit into register therewith.

1,640,998. COVERED INDICATING CHANCE DISK GAME. SYLVANUS O. JACKS, Sacramento, Calif. Filed Nov. 12, 1925. Serial No. 68,621. 2 Claims. (Cl. 273—142.)

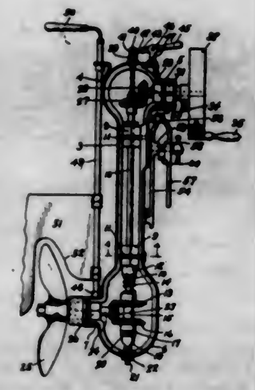
1. In a game apparatus of the character described, a base plate having concentric circles of score changing indications thereon, each indication of one circle being radially aligned with an indication of the other circle, a cover plate rotatably mounted on said base plate and having two concentric arcuate series of openings there-

through, each series of openings being located above one of the circles of indications on the base plate, means



for facilitating spinning of the cover plate relative to the base plate, and a displaceable cover for each of said openings.

1,640,999. ROWBOAT MOTOR. FRANK K. JOHNSON, Chicago, Ill. Filed Feb. 14, 1927. Serial No. 168,223. 4 Claims. (Cl. 115—24.)



1. In a hand operated motor propelled device for small water craft, the combination, a propeller blade having a shaft and a pinion on said shaft, a pair of facing gears arranged on each side of the pinion, a sleeve connecting said gears, a hollow operating shaft passing freely through the sleeve, bearings for the hollow shaft, spring means influencing the connected facing gears to bring one of the same into mesh with the pinion, a rod received through the hollow shaft, and a pin connection between the rod and sleeve that passes freely through the hollow shaft.

1,641,000. ERASER CLEANER. LYDIA E. JOSLIN, Los Angeles, Calif. Filed June 9, 1926. Serial No. 114,772. 5 Claims. (Cl. 120—36.)

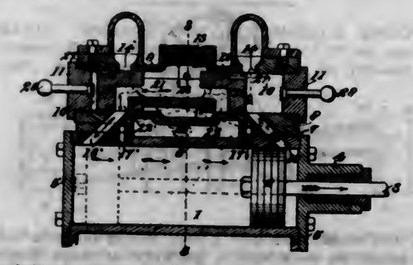
1. In a device of the character described, the combination with a disk-shaped eraser, a pivot element engaging through the center thereof, and a radially ex-

tending member engaging said pivot element, of an abrasive holding member pivoted to the first-named member



to swing about an axis parallel to the axis of said pivot element and adapted to be forced against the edge of the eraser.

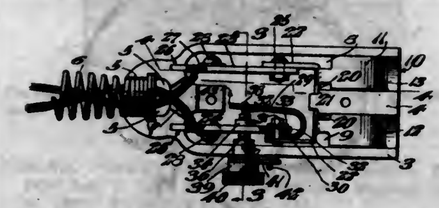
1,641,001. FLUID-OPERATED MOTOR. JOHN A. KALLBECK, San Francisco, Calif. Filed Apr. 12, 1927. Serial No. 183,072. 1 Claim. (Cl. 121—150.)



A fluid motor comprising a cylinder, a piston reciprocable therein, a valve chamber provided with a fluid inlet port and a pair of fluid exhaust ports, one at either side of the inlet port, said valve casing being further provided with fluid inlet and exhaust channels connecting the cylinder near its opposite ends with the valve chamber adjacent corresponding ends, a pair of valve operating by-pass channels one connecting one end of the cylinder with the opposite end of the valve chamber, said channels opening into the cylinder between the fluid inlet and exhaust ports and opening into the valve chamber one between the fluid inlet port and each of said exhaust ports, a valve reciprocable within the valve chamber and provided with a channel having a single centrally disposed inlet port and a pair of discharge ports, the former communicating with the fluid inlet port and the latter adapted for alternate registering with the respective valve chamber inlet and exhaust channels, said valve at opposite ends being further provided with longitudinal bores, each opening at one end at the valve end and at their opposite end through the valve side wall for registering with one of said valve operating by-pass channels on the reciprocation of the valve in either direction, said valve being further provided with compression relief bores extending longitudinally inwardly from opposite ends thereof and opening through the valve side wall to alternately register with the respective fluid exhaust ports, said valve being of a length when reciprocating its full stroke in either direction within its chamber to afford a fluid pressure inlet to one side of the piston and a pressure exhaust from the other side.

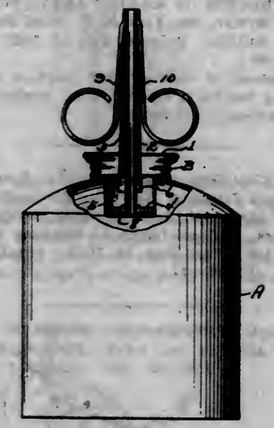
1,641,002. THERMOSTATIC-CONTROL ELECTRICAL HEATER PLUG. LOUIS M. KAPLAN, Philadelphia, Pa. Filed Oct. 27, 1926. Serial No. 144,445. 2 Claims. (Cl. 200—138.)

1. In a device of the character stated, a longitudinally divided two part housing of insulating material, having a pair of parallel longitudinal recesses therein, open at one end of said housing, pin receiving spring contact members disposed within said recesses each comprising a pair of resilient coacting spring prongs, a terminal contact plate, secured to one of said spring contact members in electrical contact therewith, a thermo-sensitive element secured to the other of said spring contact members and in electrical and mechanical contact therewith, a second terminal contact plate secured to said last spring contact member and electrically insulated therefrom and from said thermo-sensitive element, an adjustment screw extending through the wall of said insulating housing and through said second terminal contact plate, threadedly



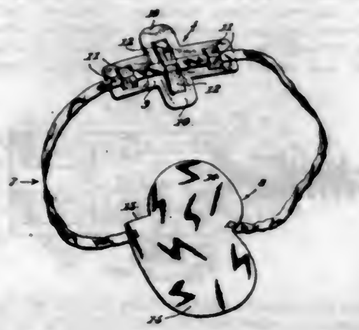
engaging the latter, a contact point carried by the inner end thereof, a second contact point carried by the thermo-sensitive element in operative alignment with and normally in contact with said first contact point, said thermo-sensitive element being adapted to deflect upon a predetermined rise in temperature, thereby breaking the contact between said two contact points, said adjustment screw being adapted to be turned manually from without the plug, thereby to vary the temperature at which said contact points are separated.

1,641,003. CAN SPOUT. GEORGE W. LANG, Litchfield, Nebr. Filed Oct. 9, 1926. Serial No. 140,593. 1 Claim. (Cl. 221—50.)



In a device of the class described, the combination with a fluid receiving can having a threaded neck, of a cap for said can and adapted to be secured to said neck, a casing secured to said cap and rising therefrom, a receptacle provided with rectangular shaped openings arranged in the side walls adjacent its upper end, an annular flange secured to and extending outwardly at right angles from the top of said receptacle and securing the same in a depending relation to the bottom of said cap, a pipe mounted for reciprocation in said casing and having its upper end projecting above the same, a plunger secured to the lower end of said pipe and mounted for movement in said receptacle, and handle members secured to and depending from the projecting upper end of said pipe and terminating into ring like terminals to provide finger receiving portions whereby the pipe may be reciprocated for ejecting the contents of the receptacle.

1,641,004. SHOULDER-STRAP HOLDER FOR ARM-PIT SHIELDS. ANNA B. MAHONEY, Vacaville, Calif. Filed Oct. 1, 1925. Serial No. 59,877. 2 Claims. (Cl. 24—259.)

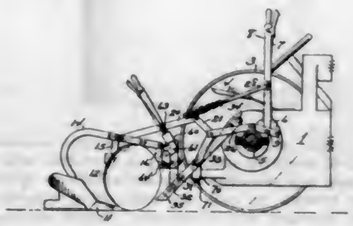


1. A device of the character described comprising an elongated plate having a pair of similar transverse loop elements struck upwardly from the ends thereof in aligned relation longitudinally of the plate for reception of a shoulder strap of an arm pit shield, said plate further having a larger transverse loop element struck upwardly from the intermediate portion thereof for reception of the wider shoulder strap of a body garment.

1,641,005. PROCESS OF MAKING ALKYL SULPHATES. RALPH H. MCKEE, New York, N. Y. Filed May 21, 1923, Serial No. 640,551. Renewed July 13, 1927. 4 Claims. (Cl. 260—98.)

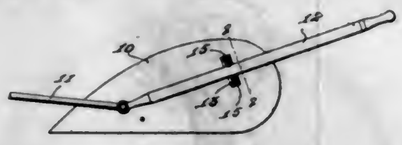
1. The process of making alkyl sulphate which comprises adding sulphuryl chlorid to an alcohol at a temperature of substantially 30° C.

1,641,006. TRACTOR ATTACHMENT. NOEL DE WITT NEWTON and JAMES A. NEWTON, Winchester, Ark., assignors of one-fourth to John Philip Harrington, Winchester, Ark., and one-fourth to Pinckney S. Seamans, McGehee, Ark. Filed Sept. 18, 1925. Serial No. 57,160. 4 Claims. (Cl. 97—47.)



1. A plow attachment of the character described comprising a body, ground working means carried by said body, spaced bars having converging portions secured to a tractor body, a transverse bar pivotally secured to the spaced bars and adapted for vertical adjustment thereon, a block fixed to the transverse bar, means securing said body to the block for a lateral rocking movement, and means for adjusting said body in vertical planes at right angles to each other.

1,641,007. SCRAPER. ISAAC NIEMI, Minneapolis, Minn. Filed July 16, 1926. Serial No. 122,938. 1 Claim. (Cl. 37—133.)



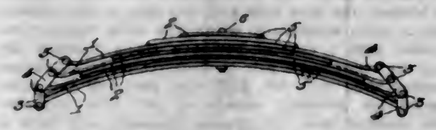
A locking means for scraper handles comprising a plate, ears carried by the plate, and roller members journaled upon the ears adapted to hold a handle member therebetween.

1,641,008. SHIRT ATTACHMENT. OCTAVIAN G. I. O'HEIR, Lowell, Mass. Filed Jan. 8, 1925. Serial No. 1,184. 4 Claims. (Cl. 2—115.)



1. The combination with a shirt having skirts in which are inside on each side a plurality of loops forming passages; of two bands each of which passes through a plurality of loops and each of which is formed of a central elastic portion which terminates at each end in an enlarged portion and a tying string which extends beyond each of said enlarged portions.

1,641,009. VEHICLE SPRING. FRANCIS D. PARKER, Viroqua, Wis. Filed Oct. 15, 1926. Serial No. 141,860. 1 Claim. (Cl. 267—49.)

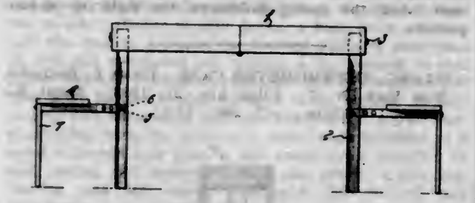


A spring of the class described comprising arched leaves which vary in length and which are arranged one over the other, all of said leaves having their ends formed with eyes, the eyes on the lowermost leaf being downwardly directed and those on the remaining leaves being upwardly directed, links arranged in pairs having their ends in lapping engagement and disposed against the eyes of the leaves, pivots passing through the ends of the links and through the eyes of the leaves, spacer plates which vary in lengths arranged between the leaves and over the uppermost leaf and said spacer plates being of less length than that of the leaves between which they are arranged.

1,641,010. CONVERTIBLE TABLE. ALBERT PETERSON, Richmond, Va. Filed Aug. 27, 1923. Serial No. 659,631. Renewed July 1, 1927. 1 Claim. (Cl. 190—12.)

A collapsible and foldable campers outfit comprising in combination two hingedly connected together box-like sections adapted to provide a table top when arranged in end to end relation, and a casing when folded parallel, supporting legs for each section, said legs being pivotally mounted to fold within the section when not in use, a

pin projecting horizontally from each leg, a seat adapted to be arranged at each side of the table, hook-like elements projecting from said seat and adapted to engage said pins for detachably connecting the seats with said legs, and



pivoted supporting legs forming part of each seat and adapted to be folded in parallelism therewith to allow said seats to be strapped at the side of the casing when detached from the legs thereof.

1,641,011. HEATER FOR AUTOMOBILE ENGINES. ALBERT HAZEN SARGENT, Bangor, Me. Filed Apr. 9, 1927. Serial No. 182,451. 5 Claims. (Cl. 126—85.)



1. A heater for maintaining the operating parts of engines on motor cars warm and easy to start in cold weather, consisting of a burner box provided with heating means, a register box, and a pipe element arranged in open communication between the burner box and register box.

1,641,012. PAPER BOX. FRANK J. SCHLEICHER, St. Louis, Mo. Filed Aug. 10, 1925. Serial No. 49,434. 3 Claims. (Cl. 229—8.)



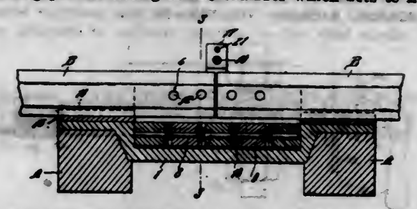
3. In a cardboard box, an inner bottom element with a plurality of straight side walls formed integrally therewith and bent upwardly and disposed in a general heart-shaped arrangement about the edges of said element and another bottom element having a heart-shaped curved contour circumscribing the lower edges of said walls and attached to said inner bottom element.

1,641,013. BAKING POWDER. HEINRICH SCHNEIDER and FRANZ RAHN, Niederingelheim-on-the-Rhine, Germany, assignors to the Firm: C. H. Boehringer Sohn, Chemische Fabrik, Niederingelheim-on-the-Rhine, Germany, a Company of Germany. Filed Sept. 1, 1925, Serial No. 53,938, and in Germany May 30, 1925. 9 Claims. (Cl. 99—10.)

7. Baking powder comprising a bicarbonate, neutral calcium tartrate and calcium lactate.

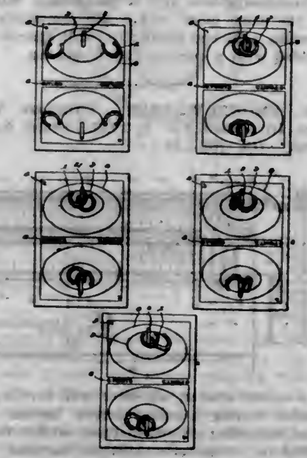
1,641,014. RAIL JOINT. WILLIAM SIPES, Shelbyville, Ind. Filed Dec. 9, 1926. Serial No. 153,648. 3 Claims. (Cl. 238—194.)

1. A rail joint comprising a supporting member having a chamber therein, a clamp for clamping together the abutting ends of a pair of rails, said clamp having a depending portion fitting in the chamber which acts to hold



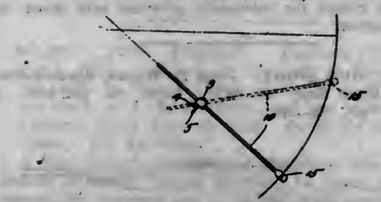
the clamp in closed position and when the rails are spiked down the clamp will be held in this chamber.

1,641,015. GAME. EDWARD H. SHORE, Hereford, Tex. Filed July 7, 1923, Serial No. 650,058. Renewed July 16, 1927. 6 Claims. (Cl. 273—152.)



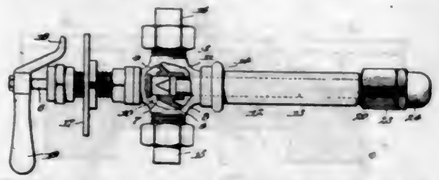
1. A card game of the class described comprising a number of cards, each having thereon a representation of a post and a pair of horse shoes, the horse shoes being arranged in different positions relative to the post on the cards so that the cards will show all the scores that it is possible to make in a real game of horse shoes.

1,641,016. DRAWING IMPLEMENT. JOHN SOLARI, Chicago Heights, Ill. Filed Apr. 14, 1924. Serial No. 706,489. 3 Claims. (Cl. 33—27.)



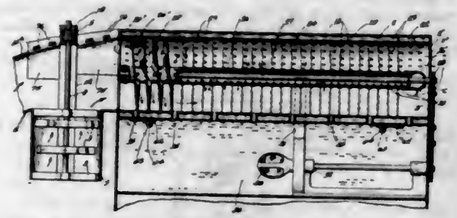
1. A device of the class described comprising a supporting member, a vertically arranged shaft rotatably mounted in the supporting member, a head on the shaft, a pencil carrying bar slidably mounted in the head, a circular rack on the supporting member concentric with the vertical shaft, a horizontal shaft arranged in the head, a toothed wheel on the horizontal shaft engaging the circular rack, a second toothed wheel on the horizontal shaft, a rack on the pencil carrying bar engaged by the second toothed wheel and means for manually rotating the vertical shaft.

1,641,017. LIQUID-FUEL BURNER. EARLE I. STAPLES, New York, N. Y. Filed Mar. 30, 1923. Serial No. 628,828. 1 Claim. (Cl. 158—78.)



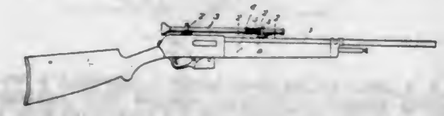
In a liquid fuel burner, a cylindrical body with a fuel nozzle arranged therein and having one end disposed adjacent to said cylindrical body, a sleeve detachably secured thereto and having a tubular nipple projecting therefrom, said nipple having a closed end, a plurality of tangentially disposed openings formed therein and projecting through the side wall of said nipple, said openings being in the same plane and a cap removably arranged on the nipple, said cap having its wall spaced therefrom and provided with a central outlet opening.

1,641,018. SMOKE WASHER. THEODORE THURCHAK, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,382. 6 Claims. (Cl. 261—29.)



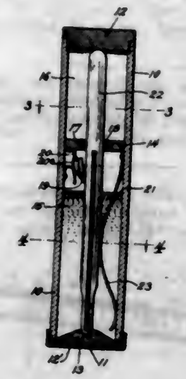
1. In a smoke washer, an outer wall forming a cleansing chamber having a spiral screen therein at its entrance and extending a short distance within the chamber, a plurality of transverse straight screens positioned within the chamber in spaced relation from the inner end of the spiral screen to the outlet of the chamber, an inner wall surrounding said screens, said outer and inner walls defining a water chamber, said inner wall provided with a plurality of perforations to permit the entrance of water in streams into the cleansing chamber, a rotary tube extending axially through said cleansing chamber and provided with a plurality of perforations, means for forcing water under pressure through said tube and out of said perforations, a water tank positioned for receiving the water from said cleansing chamber, outlet doors for said tank, and means for releasably securing said doors in closed position.

1,641,019. GUN SIGHT. JOHN D. WOODS, Steubenville, Ohio. Filed Sept. 13, 1923. Serial No. 662,465. 1 Claim. (Cl. 33—50.)



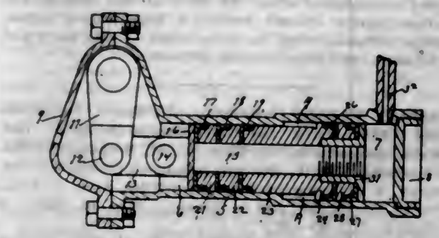
In combination with a firearm having inner and outer ring supports for a tubular sight and the outer ring support having a V-shaped notch in its outer edge, and which sight is susceptible to an outward longitudinal movement through the supports by the recoil of the firearm after its discharge, of a combined shock absorber and sight replacer for said sight, comprising a collar loose on the sight and in contact with the inner face of the outer support, a second collar fixed on the sight, a comparatively heavy coil spring arranged on the sight and bearing against the collars, and a pin on the sight designed to be received in the V-shaped notch on the outer ring support when the spring influences the sight to normal position.

1,641,020. THERMOMETER CASE. EMMA L. BELLOWS, New York, N. Y. Filed Apr. 21, 1926. Serial No. 103,590. 1 Claim. (Cl. 206—16.5.)



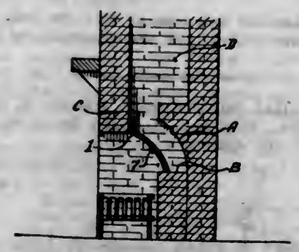
A thermometer case comprising a tubular casing open at opposite ends, caps removably associated with the ends of said casing, one of said caps provided with a seat for receiving the bulb end of a clinical thermometer, a partition within said casing intermediate the ends of the same for dividing the casing into a pair of chambers and having a yieldable disk mounted therein and provided with an opening for the passage of the theremometer, one of said chambers adapted to receive an antiseptic fluid, and a spring pressed flap valve mounted on said partition and normally closing said opening to prevent the accidental spilling of the fluid, said flap valve automatically moving to an open position upon the insertion of the thermometer through said opening, and a flat bowed spring having one of its ends fixedly connected to said casing and disposed within the fluid chamber and normally disposed in the path of the thermometer for guiding the bulb end of the thermometer to said seat.

1,641,021. SHOCK ABSORBER. HAROLD M. BENSON, Oakland, Calif. Filed Mar. 1, 1926. Serial No. 91,529. 1 Claim. (Cl. 267—65.)



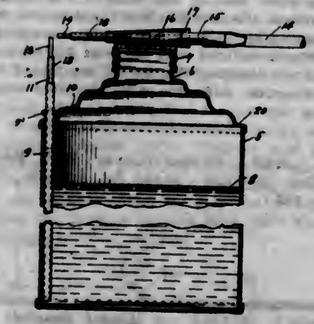
In a shock absorber of the character described adapted to be attached to an automobile having a chassis and an axle, a casting having cylinders formed therein, said cylinders being of different diameter, a piston positioned within said cylinder, said piston including a head, and a piston rod, a plurality of cup washers positioned on said rod, the free edges of said cup washers extending in a direction toward the larger cylinder of said device, spacer blocks interposed between said cup washers, a filler block position on said piston rod, said filler block having a head formed integral therewith and of a diameter equal to the larger of said cylinders, a cup washer abutting said head and having its free edge extending in a direction toward the smaller cylinder of said device, a filler block abutting said cup washer, a second cup washer similarly positioned to said last mentioned cup washer, a nut secured to said piston rod and adapted to compress said cup washers and said filler blocks, a plug adapted to be secured to said casting and adapted to seal one end thereof, a pipe communicating with the interior of said larger cylinder at a point adjacent said plug, a bell crank lever mounted on said casting and connecting with said piston, a link connecting said bell crank lever and the axle of said automobile.

1,641,022. SPARK ARRESTER. CHARLES S. CALHOUN, Vidalia, Ga., assignor of one-half to Ben S. Calhoun, Glenwood, Ga. Filed Dec. 27, 1926. Serial No. 157,277. 1 Claim. (Cl. 126—288.)



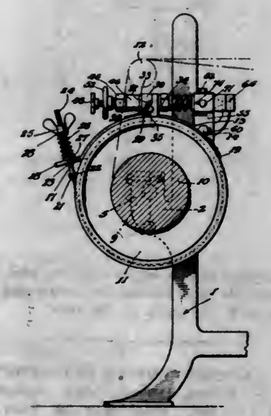
The combination with a fire place having a curved backing terminating in a platform at its lower end and the rear wall of a passage leading to the chimney at its upper end, of a spark arrester supported by the platform and following the curvature of the backing in a manner to underlie the passage for controlling the latter, said spark arrester comprising an elongated body provided with transversely disposed slots arranged therein and forming passages, projections extending from the ends of said body and being secured in the side walls of the fire place, a slotted plate mounted for slidable movement on the inner face of said body and following the curvature thereof, said plate being adapted to control the passages, and headed means carried thereby and passing through a longitudinally disposed slot formed in the body for operating said plate.

1,641,023. SPRAYER. ROBERT J. COFFEY, Oakland, Calif. Filed Apr. 19, 1926. Serial No. 103,055. 2 Claims. (Cl. 91—45.)



1. A sprayer comprising a liquid holding tank, a fluid outlet tube having an inlet end portion extending into the tank and adjustably mounted in said tank, a nozzle connected to the outlet end portion of the said tube, said nozzle comprising telescoping sections detachably connected together, and an air nozzle connected to the tank and disposed in angular relation to the fluid nozzle.

1,641,024. WARP-TENSION EQUALIZER FOR LOOMS. TELESPHORE C. DEMERS, Springfield, Vt. Filed Jan. 13, 1926. Serial No. 81,008. 6 Claims. (Cl. 139—100.)

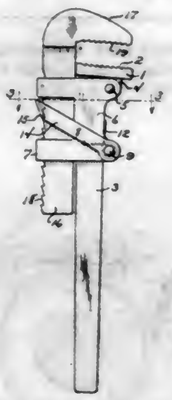


1. In a let-off mechanism for looms, the combination with the warp beam, of a frictional tension unit coacting with the head thereof and means coacting with the tension unit for yieldably resisting movement of the tension unit together with the warp beam, said means comprising a barrel mounted upon the said unit, a plunger stem adjustably threaded in the barrel and having an abutment end projecting beyond one end of the barrel, a spring coacting with the barrel and yieldably resisting movement of the said barrel in the direction to permit of movement of the tension unit together with the warp beam, means for positively resisting movement of the said plunger stem comprising an abutment positioned for engagement by the plunger stem when the same has been moved through the let-off pull of the warp from the beam, said spring constituting means for reversely moving the said beam through the medium of the said barrel and tension unit to tension the warp.

1,641,025. PIPE WRENCH. BLANCHE DONNELSON, Pratt, Kans., assignor of one-tenth to Frank Goyen, one-tenth to Walter Pedigo, one-tenth to W. B. Hess, one-tenth to J. E. Hardesty, and one-tenth to A. S. Farmer. Filed Aug. 18, 1926. Serial No. 130,068. 1 Claim. (Cl. 81—134.)

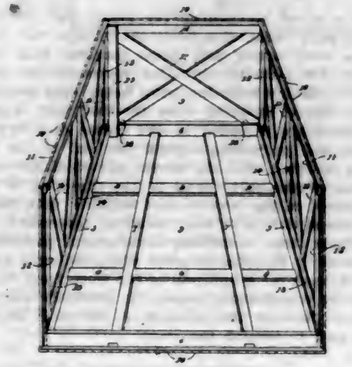
A pipe wrench, including a stationary jaw having a handle integrally formed therewith, a frame comprising spaced side members and U-shaped straps extending from the ends of the side members, said side members straddling the handle and having their outer corners pivotally secured to said handle, said side members between the straps having an inner wall and having their lower corners provided with lugs, a pivot passing through said lugs, a roller on the pivot between the lugs, a spring having coiled ends surrounding the pivot, outward of the lugs, and having a central portion which contacts with the outer edge of the handle, a substantially U-shaped yoke having its arms connected to the pivot and the coiled ends of the springs having extensions for en-

gaging the arms of the yoke, said connecting element arrange at an angle with respect to the arms and providing a tooth, a movable jaw having a shank which is slid-



able through the straps for the frame, and the shank of the said movable jaw having its outer end toothed for engagement with the tooth of the yoke.

1,641,026. MOTOR-VEHICLE-TRANSPORTING BOX. EDWARD S. EVANS, Detroit, Mich., assignor to E. S. Evans & Co., Inc. Filed May 29, 1924. Serial No. 716,816. 3 Claims. (Cl. 217—43.)



1. In a transporting box for motor vehicles, a box fabricated in units consisting of completely preformed sides, a top, a bottom and ends, each unit including a series of sheathing strips, a longitudinal brace bar for each end and longitudinally extending brace bars for each of the other units to strengthen and retain the sheathing in position, each side having the longitudinal brace bars, one arranged contiguous to the upper edge and the other parallel with and spaced from the lower edge, frame bars on the bottom to receive and support the last-named brace bars and diagonal brace bars on the top to engage the brace bars on the upper ends of the sides.

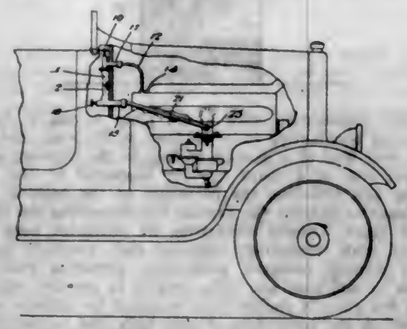
1,641,027. BRACE. ALBERT J. FEASTER, Salisbury, N. C. Filed Oct. 9, 1926. Serial No. 140,616. 3 Claims. (Cl. 2—44.)

1. In a device of the character described comprising a brace having a hollow body portion, leg members carried thereby and adapted for swinging movement thereon, a connecting element for the body and legs, a spring



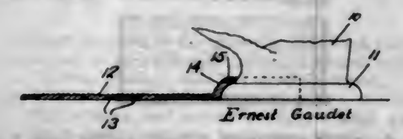
member connecting said element with the body, and attaching means carried upon the extremities of the body and legs.

1,641,028. GAS MOISTENER. HAROLD M. FLEUKER, Salem, Wis. Filed Apr. 17, 1922. Serial No. 553,392. 1 Claim. (Cl. 123—25.)



A humidifier adapted for connection between the water jacket and the intake manifold of an engine and including a body, a coupling connected with the upper end thereof, a tube connecting the coupling with the water jacket, a valve for regulating the amount of water entering the body and being arranged in the coupling, a tube connected with the lower end of the body and communicating therewith to receive water therefrom, a wall in said second mentioned tube and having an opening forming a valve seat at one side of the point of connection between the tube and body, said second mentioned tube having an air port therein at the other side of said wall, a valve associated with the seat for regulating the amount of air entering the second mentioned tube, and a pipe connecting said tube with the inlet manifold of the engine.

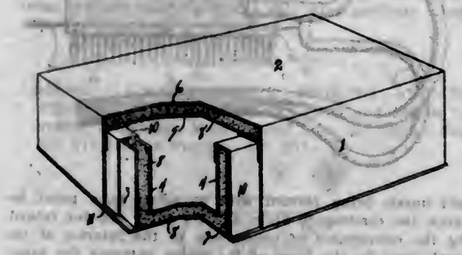
1,641,029. MAT. ERNEST GAUDET, Hyde Park, Mass. Filed Oct. 29, 1926. Serial No. 145,059. 2 Claims. (Cl. 4—185.)



1. A mat for use in connection with plumbing fixtures having a serrated upper surface, an upstanding flange

portion carried by the mat extended over the base of the fixture, and a multiplicity of suction cups carried upon the under surface of the mat.

1,641,030. TRANSPORTATION CONTAINER. MOSES GROSS, Fort Worth, Tex. Filed Mar. 23, 1926. Serial No. 96,744. 2 Claims. (Cl. 229—14.)



1. A transportation container for candy and other perishable food comprising a box having double wall members spaced apart on all sides and the bottom, a lid for said box, an insulating filler filling all the spaces between said wall members, and means for sealing said filler in the side and end walls consisting of a sheet of material placed on the upper edges of the wall and lapped partly down on the inside of the wall and lapped on the entire outer wall to the bottom thereof.

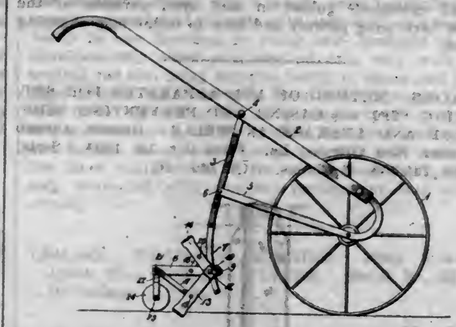
1,641,031. AUTOMATIC CHISEL HAMMER. MADISON WILSON GAILLARD, Mobile, Ala. Filed Aug. 6, 1926. Serial No. 127,711. 2 Claims. (Cl. 32—24.)



1. An instrument as described comprising a handle, a rotary shaft therein, a cam on the end of the shaft, a casing removably connected with the handle, a hammer in the casing having a lateral recess for receiving the cam, said recess having an upper cam wall for cooperating with said rotary cam, a coil spring for urging the plunger in one direction, a removable cap for the casing for adjusting the tension of said coil spring, a removable cap on the other end of said casing having a guide flange, and a tool holder having a shank sliding through said guide flange and provided with a peripherally notched enlarged head piece in said last mentioned cap for engagement by said hammer, and means carried by said last mentioned cap for engaging the notches in said head piece for adjusting the tool holder about its axis.

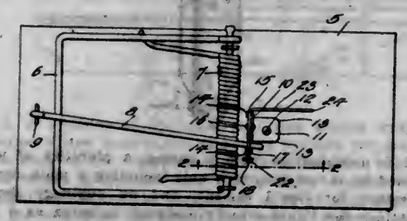
1,641,032. WEEDER. JOHN W. GIBBS, Charleston, Ill. Filed Nov. 13, 1924. Serial No. 749,744. 5 Claims. (Cl. 97—207.)

1. The combination of a weeder comprising a plurality of horizontal knives, a common carrying-member for said knives, said carrying-member being swingable on a horizontal axis transverse to the longitudinal direction



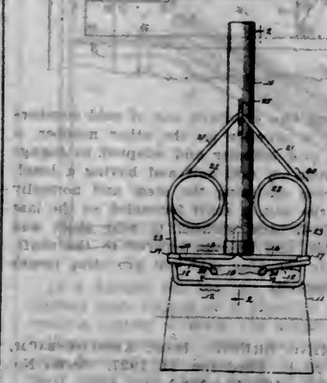
of the knives for bringing the latter selectively into working position, and a roller suspended from said frame behind said knives.

1,641,033. TRAP. GEORGE H. HAGERMANN, Muscatine, Iowa. Filed Oct. 21, 1926. Serial No. 143,199. 5 Claims. (Cl. 43—81.)



2. In a trap, animal trapping means, means for holding said trapping means in set position, including a bait-carrying trigger mounted for upward movement to release said holding means, and a support upon which the weight of the trigger and bait are sustained when the trap is set, overcoming liability of accidental springing of the trap by the action of gravity on the trigger and bait.

1,641,034. CLEANING IMPLEMENT. MARIE ELIZABETH HARBER, Richmond, Ky. Filed Oct. 11, 1926. Serial No. 140,926. 1 Claim. (Cl. 15—151.)



In a cleaning implement, a handle and a pair of relatively adjustable wire cross bars adapted to clamp a mop or the like between them, one of said cross bars being

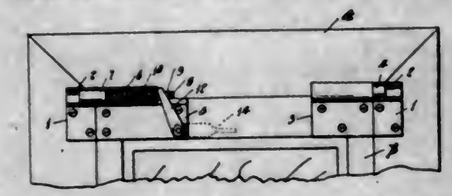
rigid with the end of the handle and bent to form guiding eyes, the other cross bar including angularly disposed extensions guided in said eyes, portions of the cross bars being pointed and bent to define mop engaging spurs.

1,641,035. METHOD OF AND APPARATUS FOR SETTING PIPE OR CASING AND PREVENTING SEEPAGE AND LEAKAGE IN WELLS. GEORGE ALFRED HERO, New Orleans, La. Filed Oct. 14, 1924. Serial No. 743,599. 5 Claims. (Cl. 166—10.)



2. In combination with a casing, a plurality of units carried by the casing, each unit including a main flexible container for liquid cement, and an auxiliary flexible container for liquid cement designed to serve as a protector for the main flexible container and also having a greater capacity for distention.

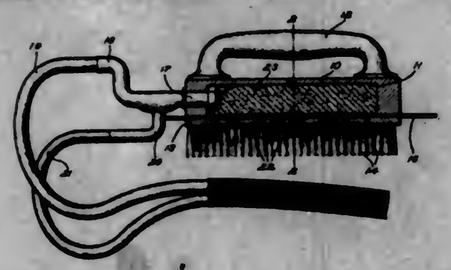
1,641,036. HINGE FOR STORM SASHES. FRED JACHIMSTAL, Manitowoc, Wis. Filed Nov. 10, 1925. Serial No. 68,141. 1 Claim. (Cl. 16—176.)



A hinge comprising two members, one of said members including a socket, a cylinder on the other member, a cylindrical bolt in said cylinder and adapted to engage in said socket, a stem on said bolt and having a longitudinal slot, a spring enclosing the stem and normally tending to project the bolt, a shaft journaled on the last mentioned member, an arm secured to said shaft and engaging in the slot, and a lever secured to the shaft, said arm by directly engaging said bolt providing means to project and retract it.

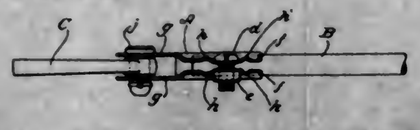
1,641,037. STEAMING BRUSH. ISAAC KIRSCHENBAUM, New Brunswick, N. J. Filed Jan. 11, 1927. Serial No. 160,439. 3 Claims. (Cl. 15—128.)

1. A steaming brush, including a hollow brush head having bristles on one of its surfaces and ports extending through the bristle-supporting surface, a nozzle extending through the wall of the brush head and communicating with the interior, a steam conduit connected with the outer end of said nozzle, and a condensate drain pipe connected with said nozzle intermediate its ends, the



said nozzle being formed with an offset at a point between the condensate drain and its outer end for retarding the conveyance of condensate to the interior of the brush head by the force of the steam entering the same.

1,641,038. ROD AND CLAMP CLEVIS. ALFRED O. KOPPIN, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 30, 1923. Serial No. 615,966. 1 Claim. (Cl. 287—100.)



A unitary clamp and clevis constructed of sheet metal stamped into the desired shape, having at one end a pair of projecting members forming a clevis and at the other a pair of ears for tightening said clamp, each of said ears being provided with parallel ribs forming therebetween depressions, the spaces between said ribs being provided with aligned apertures, and a pinch bolt extending through said apertures for compressing the ears, the head of the bolt and the nut thereon being positioned in the depressions between the ribs whereby the nut will engage the ribs to prevent rotation of it relative to the bolt.

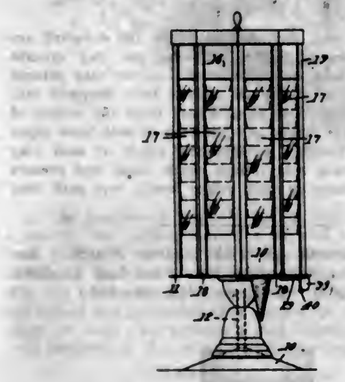
1,641,039. SHOWER SHAWL. HALLIE LA BRAUD, New York, N. Y. Filed Mar. 31, 1926. Serial No. 98,801. 3 Claims. (Cl. 2—88.)



1. A paper shower shawl folded from an approximately rectangular blank, said blank being provided with transverse fold lines defining a body-encircling element formed

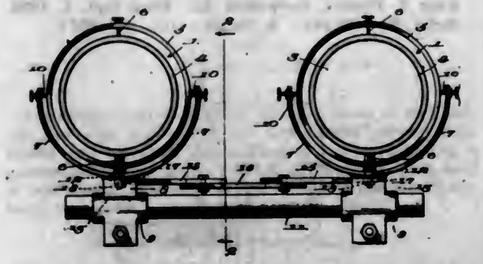
of a back section, two front sections and a series of pleats between the back section and the two front sections, the intermediate portion of the blank being formed with a transverse fold line defining a forwardly folding hood top portion integral with the top of the back section, and adapted to rest on a wearer's head, the upper portions of the front sections being folded inwardly on diagonal fold lines and connected to the forward edge of the hood top, the diagonally folded upper ends of said front sections defining flaring side wing portions integral with the hood top.

1,641,040. ICE-CREAM-CONE STORING AND DISPENSING DEVICE. ANTHONY LEON and JAMES LATTIMER, Worcester, Mass. Filed June 21, 1926. Serial No. 117,240. 6 Claims. (Cl. 211—8.)



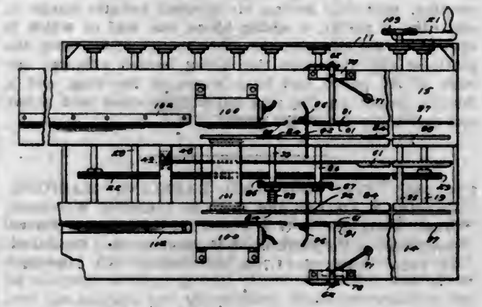
1. In a device of the character described, the combination with a base having an opening therethrough and means for supporting a pile of conical objects above the opening in axial alignment therewith, thereby when the first named means is opened the bottom cone will drop down below said stationary base, of a pair of pivoted levers having teeth meshing with each other to cause the levers to operate simultaneously in opposite directions about their pivots, and a second pair of levers connected with the first pair having curved arms for engaging the second cone, both operated either inwardly or outwardly at the same time for preventing all but the bottom cone from falling.

1,641,041. VEHICLE LAMP. JOHN HENRY MACPHERSON, McKeesport, Pa. Filed Feb. 10, 1925. Serial No. 8,233. 1 Claim. (Cl. 240—61.)



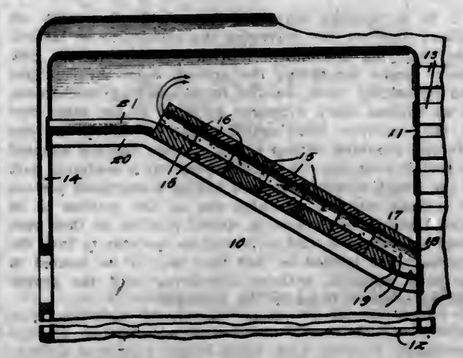
In combination, a pair of headlight casings, means supporting each headlight casing for swinging movement about a vertical axis and for swinging movement about a horizontal axis, a stud carried by each headlight casing rearwardly of a vertical plane passing through the vertical axis of swinging movement of the headlight casing and also rearwardly of a vertical plane passing through the horizontal axis of swinging movement of the headlight casing, and a single cross connecting rod loosely connected at its ends with said studs and movable bodily in one direction to swing said headlight casings simultaneously about said vertical axis, said cross connecting rod also being movable bodily to swing said headlight casings simultaneously about said horizontal axes, said cross connecting rod comprising a pair of similar end sections and a middle section, the outer ends of the end sections being loosely connected with said studs and the inner end portions of the end sections being adjustably connected with the end portions of said middle section.

1,641,042. WRAPPING MACHINE. FRED MARASSO, Joliet, Ill. Filed Mar. 11, 1926. Serial No. 93,945. 10 Claims. (Cl. 93—7.)



2. A machine of the class described having wrapping means, means to advance an article through the machine relatively to the wrapping means and including a clutch, and means to operate said clutch under control of the weight of the article, comprising a lever held depressed by the weight of the article, and means to normally urge said lever to operative position.

1,641,043. FIRE-BOX ARCH. DORSEY EUGENE MOORE, Bruceton, Tenn., assignor of one-half to Oliver A. Harker, jr., Puryear, Tenn. Filed Oct. 9, 1926. Serial No. 440,491. 1 Claim. (Cl. 110—87.)



In a furnace fire box, an upwardly and forwardly extending arch formed of a plurality of longitudinally extending courses of brick, the bricks of each course being hollow and communicating with each other to thereby form flues straight from end to end and discharging at their upper ends at the crest of the arch, said arch terminating short of the rear wall of the fire box, the lower end of each flue opening upon the underface of the arch at the forward end thereof, the bricks of each course

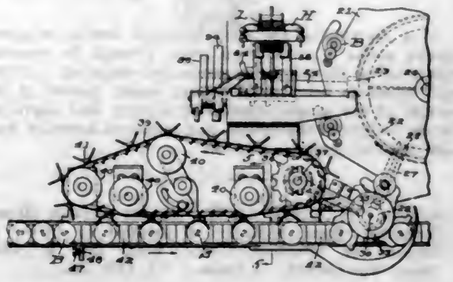
being cut away at their lower corners and tubes extending upwardly and longitudinally through the fire box and engaging the cut away corners of the bricks to support the arch, said tubes communicating with the water space of the boiler.

1,641,044. WINDOW PORTAL. PETER J. MURPHY, New York, N. Y. Filed May 21, 1926. Serial No. 110,727. 1 Claim. (Cl. 189—76.)



A device of the character described, comprising a grooved flexible ring adapted to engage the wall of an opening, said ring having an internal annular flange at one edge, a portal, a spring hinge, one leaf of which is secured to the ring and the other to the portal, with the pintle of the hinge and the spring located adjacent one edge of the portal and in a recess of the ring, and a flexible tongue on the ring extending across said recess and over a portion of the portal.

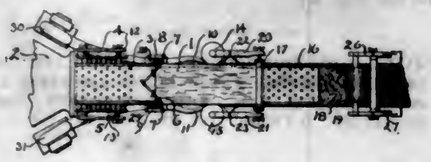
1,641,045. SPOTTING AND LABELING MACHINE. CHARLES H. OSLUND and JOHN E. JOHNSON, Worcester, Mass., assignors to O & J Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 10, 1925. Serial No. 1,700. 18 Claims. (Cl. 216—54.)



1. In a labeling machine, the combination with an endless conveyor for conveying the articles to be labeled, label applying mechanism located adjacent to the conveyor, means for taking the articles from the conveyor and depositing them on the label applying mechanism, of an endless chain arranged to move at the same rate as the conveyor and located adjacent thereto at one side and provided with a series of rests thereon adapted to project over the conveyor throughout a material part of the length thereof and each having a depressed surface in a single arc for receiving one of the articles to be labeled and holding them in spaced relation as they pass along the conveyor, and to permit an operator to turn the articles to be labeled so that they will all be located in the same position, without interfering with the proper spacing of the articles on the conveyor.

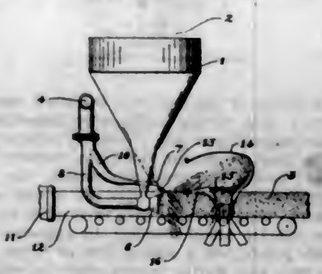
1,641,046. APPARATUS FOR AND METHOD OF SIMULTANEOUSLY TEXTURING BOTH ENDS OF BRICKS. EMMETT V. POSTON, Springfield, Ill. Filed Dec. 16, 1925. Serial No. 75,762. 3 Claims. (Cl. 25—1.)

1. A device for simultaneously texturing both ends of brick comprising in combination a surface comb for the top surface of the green clay column as the same is discharged from the forming die; a V shaped scraper operatively connected to said comb and adapted to scrape the clay crumbs off of the surface that are scratched up by said comb; a pair of oppositely disposed combs for scratching the edges of said clay column; a pair of oppositely disposed surface rollers spaced from said combs for the edge and a pair of blowers having blow pipes provided each with a hopper; said hoppers positioned slightly below the top surface of said clay column along the side thereof and registering with the outer terminals of said scraper; said hoppers each provided with a one way valve on the side next to the blower;



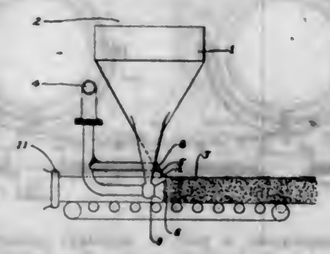
said blow pipes each terminating under the forward arc of said corresponding rollers whereby the clay crumbs scratched up by said top surface comb on the clay column may be automatically scraped off the side, dropped into the hoppers of said blow pipes where from the action of the blower they are forced out the ends of said blow pipes and discharged forcibly against the edges of said clay column just as said side rollers catch them and presses them simultaneously on both edges firmly into said clay column.

1,641,047. PROCESS OF TEXTURING BRICK. EMMETT V. POSTON, Springfield, Ill. Filed Aug. 31, 1926. Serial No. 132,800. 8 Claims. (Cl. 25—156.)



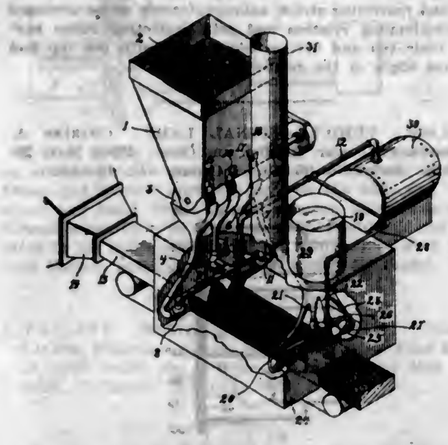
1. The method of ornamenting plastic surfaces of a clay stream in plastic state comprising projecting against the surfaces granules of material on a fluid current at such velocity whereby said granules will scarify the surface and deflect from the surface.

1,641,048. PROCESS OF VENEERING BRICK. EMMETT V. POSTON, Springfield, Ill. Filed Sept. 7, 1926. Serial No. 133,899. 8 Claims. (Cl. 25—156.)



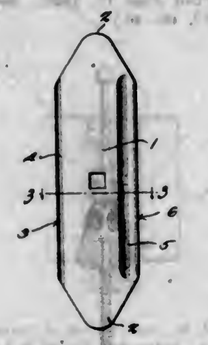
1. The process of ornamenting the plastic surface of a clay column consisting in forcibly projecting granular material into the plastic surface of the column by a fluid stream.

1,641,049. PROCESS OF VENEERING BRICK. EMMETT V. POSTON, Springfield, Ill. Filed Dec. 27, 1926. Serial No. 157,285. 6 Claims. (Cl. 25—156.)



1. The process of veneering brick consisting in moving a plastic clay column out of a die and moving powdered and granular particles of dry clay out of a hopper through a plurality of distributing tubes, from which said dry clay particles are forcefully ejected by steam jets, and moistened and projected onto the plastic side and top surfaces of said clay column; and subsequently spraying said surfaces of the column with coloring pigments.

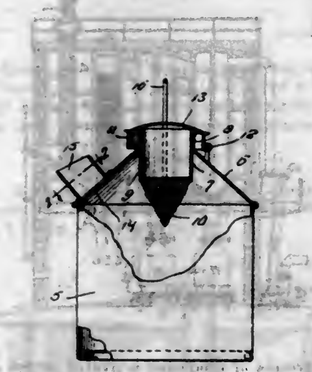
1,641,050. CULTIVATOR BLADE. MARCELLUS RAMSEY, North Girard, Pa. Filed Aug. 26, 1926. Serial No. 131,690. 1 Claim. (Cl. 97—203.)



A reversible cultivator tooth having a point at each end, one side edge portion of the tooth being curved backwardly and the other side portion of the tooth having a longitudinal recess in its front face, the outer side wall of said recess being extended forwardly to the side of the tooth to provide a longitudinal cutting edge.

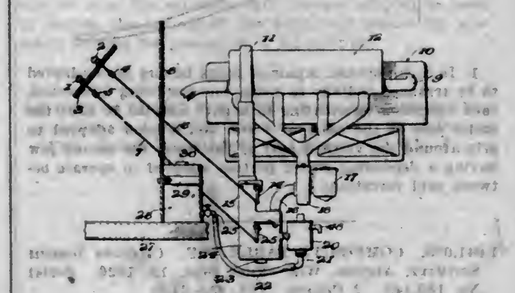
1,641,051. OIL CAN. JOHN H. RHENEY, Augusta, Ga. Filed Aug. 16, 1926. Serial No. 129,417. 1 Claim. (Cl. 221—1.)

In combination with an oil can provided with an oil discharge spout and an inlet opening in its top wall, an annular flange extending upwardly from the top wall of the can and surrounding the inlet opening, a filter unit adapted for disposition within the opening as well as within said annular flange, said filter unit including a metallic sleeve having a sliding fit in the flange, a substantially inverted conical filter screen carried by the lower end of the sleeve, a laterally extending flange formed on



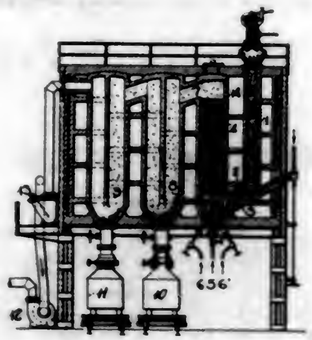
the upper end of the sleeve and adapted to engage over the upper edge of said annular flange for limiting the downward sliding movement of the sleeve, and a hinged lid mounted on the top wall of the oil can for disposition over the opening and the annular flange surrounding the same.

1,641,052. INTERNAL-COMBUSTION ENGINE APPLIANCE. LEW ROGERS, Carson City, Nev. Filed Aug. 17, 1925. Serial No. 50,620. 8 Claims. (Cl. 123—25.)



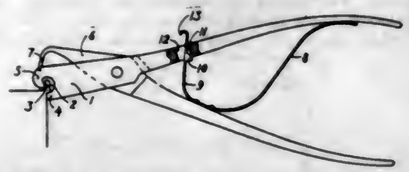
1. In an attachment for internal combustion engines, an air cleaning chamber having spaced air intake and air delivery ports adjacent to its upper end and being adapted to hold a liquid below said ports, a transverse partition extending within said chamber between said ports from the top wall of the chamber below the normal level of liquid within the chamber, said partition having an air by-pass port in the portion thereof that is located above the level of liquid within the chamber, and a valve for controlling flow of air through said by-pass port, said air delivery port being adapted for connection with the air intake port of the carburetor of an associated internal combustion engine.

1,641,053. PROCESS FOR THE MANUFACTURE OF ACTIVE CARBON. JOHN NICOLAAS ADOLF SAUER. Amsterdam, Netherlands. Filed July 29, 1924, Serial No. 728,923, and in Great Britain Aug. 9, 1923. 8 Claims. (Cl. 252—3.)



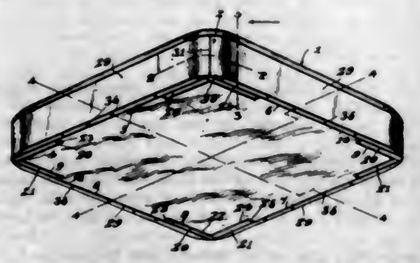
1. The process of producing activated carbon from raw or carbonized carbonaceous material, by the aid of heat and of activating gas, in which the material to be activated is maintained in a state of agitation and flotation by a blast of gas, the activated product being drawn off by the discharged reaction gases.

1,641,054. CAN OPENER. ANTON MARTIN SCHWEIGÅRD SCHÄNNING, Christiania, Norway. Filed Feb. 16, 1924, Serial No. 693,265, and in Norway Nov. 17, 1923. 3 Claims. (Cl. 30—3.)



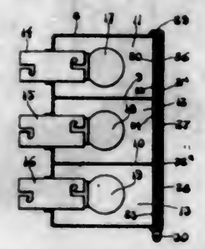
1. In a can opener, a pair of tongs having jaws adapted to be arranged radially to a can, one jaw being bifurcated, each furcation terminating in a part adapted to abut the under side of the seam of a can and a hook adapted to grip around the vertical part of the seam, the second jaw having a depending cutter portion adapted to operate between said furcations.

1,641,055. COMPOSITE TABLE TOP. CHARLES JOSEPH SCHMITT, Algoma, Wis. Filed Sept. 13, 1926. Serial No. 135,149. 2 Claims. (Cl. 45—31.)



1. A composite table top comprising a body portion having a rabbet at each end of each side edge, reinforcing strips secured at each rabbet, protecting strips, each protecting strip secured to a side edge of said body portion and opposing and secured to a pair of reinforcing strips, a cushioning element extended throughout the upper face of and secured to said body portion and opposing and secured with the upper edges of said reinforcing and protecting strips, said reinforcing strips arranged in overlapping relation and said protecting strips having their top and bottom edges flush with the top and bottom edges of the reinforcing strips.

1,641,056. VEHICLE SIGNAL LAMP. CHARLES A. SHOEMAKER, near Middletown, Ohio. Filed Mar. 20, 1926. Serial No. 96,349. 1 Claim. (Cl. 40—132.)



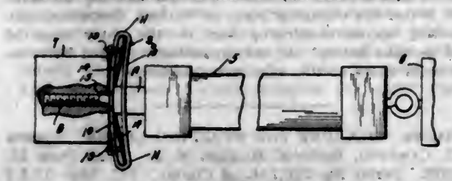
A vehicle signal lamp comprising an open ended body, a series of partitions fixed in spaced relation in the body and dividing it into compartments, a lamp in each compartment, a stenciled signal-designating plate covering the compartments and folded to form shelves on its front face with grooves in its rear face to receive the forward edges of the partitions, a portion of the stencil occupying the opening to each compartment, a glass of different color covering each stencil portion, with one of said plate shelves between adjacent glasses, and means adapted to retain the plate and glass coverings in position.

1,641,057. CANE TOY. MARIE ANNING SWEET, Highland Park, Ill. Filed June 17, 1926. Serial No. 116,662. 4 Claims. (Cl. 46—40.)



4. A toy of the character described comprising a cane, a spring coiled around the cane and held at one end against movement, and a body slidably mounted on the cane and supported by the spring, the spring in compressing or expanding acting to give the body a rotative movement around the cane.

1,641,058. RING LATCH. ROBERT G. TALLEY and WALDEMAR W. TALLEY, California, Mo. Filed Sept. 1, 1923. Serial No. 660,581. 1 Claim. (Cl. 292—299.)



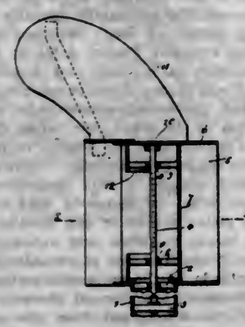
A latch of the character set forth, comprising a frame, an attaching screw fixed at one end to one side of the frame and located centrally between the ends and the upper and lower edges of said side, an upstanding ear formed integrally with the upper edge of said side and located in the plane of said side and centrally between the ends thereof, and rings supported within the frame.

1,641,059. RESILIENT-RING ELEMENT. ERNST TAUSCH, Wilmersdorf, near Berlin, Germany. Filed May 18, 1926, Serial No. 110,008, and in Germany May 10, 1925. 7 Claims. (Cl. 151—38.)



1. In a resilient ring element, an inner ring, an outer ring and a web connecting both said rings in such a manner that by an axial pressure upon the element the said inner ring is subjected to pressure and the said outer ring to tension.

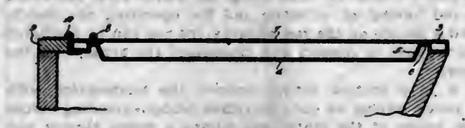
1,641,060. COWL. HENRY C. WEHRFRITZ, Jersey City, N. J. Filed June 15, 1926. Serial No. 116,195. 1 Claim. (Cl. 98—70.)



A cowl, comprising a casing open at both ends and larger at one end than at the other, a vertical tube smaller in diameter than the casing and fixedly secured in the casing, said tube having an opening in its wall adjacent the smaller end of the casing, bearings located centrally in the tube above and below the said opening, a thrust bearing in the top of the casing, a pipe receiving the tube thereon, and a vertical rod secured in the pipe and mounted in all three of said bearings.

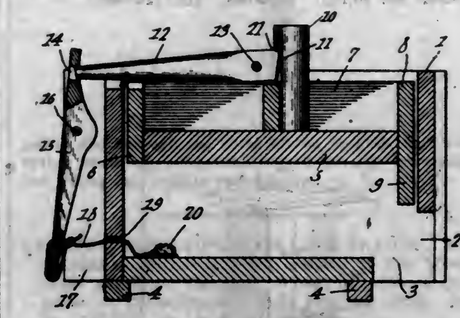
1,641,061. KITCHEN-TUB COVER AND DRAINER. HERMAN YOUNG, New York, N. Y. Filed Mar. 23, 1927. Serial No. 177,707. 1 Claim. (Cl. 68—31.)

A drainer for kitchen tubs, comprising a single integral sheet metal structure having a hollow frame substantially rectangular in cross section, a horizontal flange extending inwardly from substantially the center of said frame whereby a depressed shoulder surrounding said frame is presented, an inclined inwardly tapering wall extending



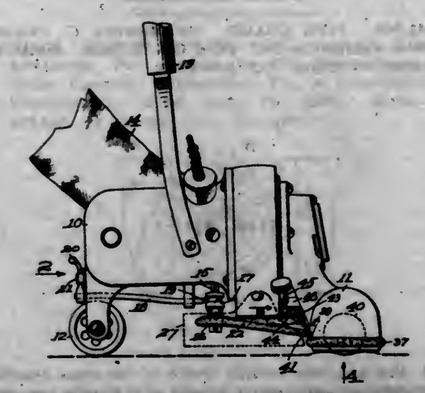
from said flange, and a flat foraminous bottom extending from the bottom of said tapering wall, and a hingedly mounted lid positioned to fit into said shoulder when in functioning position for covering said foraminous bottom.

1,641,062. RAT TRAP. ADOLPHUS ST. JOHN BACON, Fair Haven, N. Y. Filed Mar. 21, 1925. Serial No. 17,301. 1 Claim. (Cl. 43—78.)



In a trap, a box-like body having its lower front wall cut away and having its bottom cut away adjacent to the first mentioned cut away portion to provide an entrance opening, cleats for supporting the body portion in spaced relation with a supporting surface, a vertical reciprocating plunger operating in the body portion, a front wall on the plunger and extending below the plunger and adapted to move through the cut out portion in the bottom to close the entrance, said plunger adapted to move to engage the bottom of the body, and means for normally holding the plunger in a set position.

1,641,063. CARPET CLEANER. SVEN MALCOLM BLANCH and FRANK J. QUIST, Worcester, Mass. Filed Dec. 1, 1922. Serial No. 604,142. 6 Claims. (Cl. 15—8.)

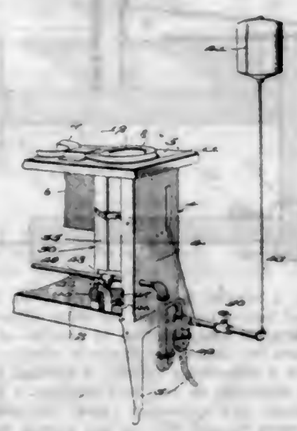


3. In a suction carpet cleaner, the combination with a motor casing and a suction nozzle, of a brush in the suction nozzle, a shaft extending from the motor casing

and adapted to be operated therefrom, a pulley loose on said shaft, connections from the pulley for operating the brush, a clutch for connecting the pulley with the shaft, a rod having an eccentric end for operating the clutch, and a handle on the rod whereby the rod can be oscillated on its axis to connect and disconnect the brush with the power.

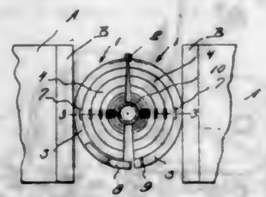
6. In a suction carpet cleaner, the combination with a nozzle having an open bottomed bridge extending across the nozzle at the center and having a recess therein and side openings, bearings fitting tightly in said openings, and a brush fitting in and supported by said bearings, of a box having an open top fitting over said recess and carrying the bearings.

1,641,064. STOVE. HARLAN M. BRITAN, Ojus, Fla. Original application filed Jan. 20, 1925, Serial No. 3,659. Divided and this application filed Feb. 23, 1926. Serial No. 90,133. 3 Claims. (Cl. 126—45.)



1. In a stove, a burner including an oil cup, a plug within the oil cup defining a wick receiving space, said plug having means thereon for supporting a wick holder and chimney, a wick in said wick holder, and means comprising oppositely disposed perforated sleeves for closely engaging and supporting said wick.

1,641,065. PIPE CLAMP. CHRISTOPHER C. CALLERY, West Coatesville, Pa. Filed Oct. 1, 1925. Serial No. 59,861. 1 Claim. (Cl. 81—39.)

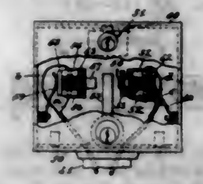


A pipe and tube holding device of the class described comprising an outer casing formed of integrally connected halves, means for connecting said halves together, and a plurality of bushings arranged in said casing, each bushing being composed of a pair of half-sections of symmetrical configuration, and co-acting means between the adjacent sections of the respective bushings for maintaining said sections in nested relation, whereby to adapt said device for clamping pipes of various diameters, said co-acting means comprising lugs on the outer faces of said sections fitting into correspondingly shaped holes on the inner faces of the cooperating sections.

1,641,066. MIXTURE FOR STOPPING LEAKS. JOSEPH D. CAMPANO, Berkeley Heights, N. J. Filed June 17, 1926. Serial No. 116,724. 4 Claims. (Cl. 134—17.5.)

1. A leak stopping mixture for automobile radiators consisting of water, sugar, flax seed and salt in substantially the following proportions—water 16 ozs., sugar 4 ozs., flaxseed 2 ozs., and salt 4½ ozs.

1,641,067. DOOR-OPERATING MEANS. CLYDE A. CONNELLY, Shelby, Ohio. Filed Mar. 31, 1926. Serial No. 98,812. 3 Claims. (Cl. 172—210.)



1. A device for operating a movable element, said device including a traveller, means to connect said traveller with the element to be moved, an electric circuit, a motor in said circuit, a pair of relay magnets in said circuit, normally open switches optionally operable to close the circuit through either of said switches, an automatic switch including shiftable blades, pairs of switch leaves appurtenant to each blade, each pair adapted to be engaged by one of said blades, wires running from the leaves of one pair and connecting respectively with the corresponding leaves of the other pair, wires connecting the blades with the windings of the respective relay magnets, wire connections adapted to complete circuits through the armatures of each magnet, a wire connecting one switch leaf of one pair with the motor, a wire to complete a circuit through either armature and another switch leaf of a pair, and means to throw said automatic switch by the movements of the traveller in opposite directions, so that when one blade of the automatic switch is engaged with the switch leaves appurtenant thereto, the other of said blades will be disengaged from the switch leaves appurtenant to the last-mentioned blade; together with a switch in said circuit, said switch including two switch assemblages, one of said assemblages being normally closed and the other normally open, and key-operated means optionally operable to close said open switch assemblage or open said closed switch assemblage.

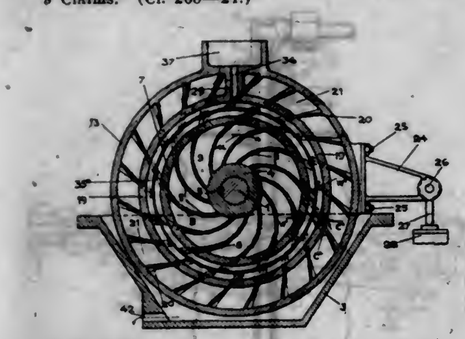
1,641,068. INCANDESCENT ELECTRIC LAMP. FRED CZECH, Wichita Falls, Tex. Filed June 17, 1925. Serial No. 37,781. 1 Claim. (Cl. 176—26.)

An incandescent lamp comprising a base, a metallic shell surrounding the same, a glass plug carried by the base, a bulb enclosing the same, a terminal at the bottom of the base, a main lead in wire extending through the base and said plug and connected at its lower end to said terminal, a complementary lead in wire extending through the plug, a lower end thereof being in engagement with said metallic shell, a primary filament bridging the upper end of said wires, a contact carried by the base and extending through the shell at a point adjacent the upper edge thereof, and being insulated therefrom, an additional lead in wire connected at its lower end with said contact and extending upwardly through the plug, a branch wire extending upwardly from the main lead in wire, an auxiliary filament bridging the upper edge of



the branch wire and the last mentioned lead in wire, and a spring strip carried by the base and being in engagement with the terminal, the afore-mentioned contact being out of engagement with a lamp receiving socket when the primary filament is in use, said spring strip permitting the plug to be inserted in its socket so as to bring the contact into engagement with the socket when the primary filament is rendered inoperative.

1,641,069. HYDRAULIC BRAKE DYNAMOMETER. SVEN SIGURD EKMAN, Gottenborg, Sweden. Filed Jan. 28, 1925, Serial No. 5,411, and in Sweden Feb. 9, 1924. 9 Claims. (Cl. 265—24.)



1. In hydraulic brake dynamometers, a rotatory wheel, means to temporarily connect said rotary wheel with the engine to be tested, an oscillatory suspended substantially stationary casing enclosing said rotary wheel, means to take up and counteract upon a balance the oscillating amplitudes of said casing, a series of closed channels in said rotary wheel, said channels open only at their inlet end and outlet end, a series of closed channels in said stationary casing, said channels open only at their inlet and and outlet end, said closed channels in the rotary wheel as well as in the stationary casing being curved in such a manner, that a continuous passageway is formed by the channels in the rotary wheel in cooperation with the channels in the stationary casing.

1,641,070. SCALE. PRIES A. ENGLE, Carlos, Ind. Filed Feb. 4, 1926. Serial No. 86,005. 6 Claims. (Cl. 265—48.)

1. A scale comprising a member, a pulley journaled on the member, weights movably supported by the member and provided with axial bores and terminal recesses communicating with the bores, a second member for supporting the article to be weighed and passing about the



pulley and through the bores of the weights, and weight lifting stops carried by the second member for engaging and lifting the weights successively.

1,641,071. ELECTRIC TRAIN-LINE SWITCH. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 19, 1924. Serial No. 700,212. 3 Claims. (Cl. 200—1.)



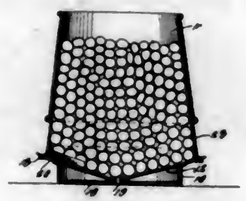
1. The combination with an electric switch mechanism and a piston operated by fluid under pressure for actuating said mechanism, of means operated upon a reduction in fluid pressure on said piston for opening a communication through which fluid is vented from said piston.

1,641,072. PISTON PACKING RING. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1926. Serial No. 138,616. 4 Claims. (Cl. 74—109.)



3. A split piston packing ring having the inner periphery eccentric to the outer periphery and having the eccentricity at the opposite faces counterbored, leaving bearing faces having concentric peripheries.

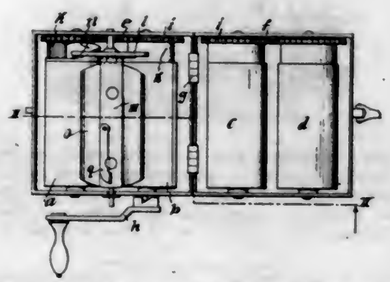
1,641,073. PACKING FORM. WILLIAM FEAN, Columbus, Ohio. Filed Feb. 13, 1926. Serial No. 88,096. 5 Claims. (Cl. 226—17.)



1. In a packing form, a base section including a cone shaped bottom plate, a vertically disposed rim upon the bottom plate adjacent its outer periphery, a positioning bar upon the bottom plate, and a co-acting body section including a tapered shell engageable with the rim of the base section.

5. In a packing form, a base section and a body section, the said body section comprising a frusto-conical shell formed with diametrically opposed slots to facilitate removal of the shell.

1,641,074. BLADE SHARPENER. EUGEN FEIST, Berlin-Schoneberg, Germany, assignor to Roth-Buchner Aktiengesellschaft, Berlin-Tempelhof, Germany, a Corporation of Germany. Filed Aug. 9, 1921, Serial No. 490,846, and in Germany May 19, 1920. 5 Claims. (Cl. 51—85.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



5. In a blade sharpener the combination, of a casing with a lower member and an upper member hinged thereto, a pair of shafts journaled in the lower member, a sharpening roll fastened to each of said shafts, a blade holder having arms extending therefrom slidably pivoted in the casing adjacent to said rolls, a can on each shaft coacting with said arms to reciprocate the blade holder, means coaxial with said shafts to swing said holder simultaneously with its reciprocations, a pair of shafts journaled in the upper member, a sharpening roll fastened to each of the latter shafts and means to simultaneously turn all the rolls when the members of the casing are locked to each other.

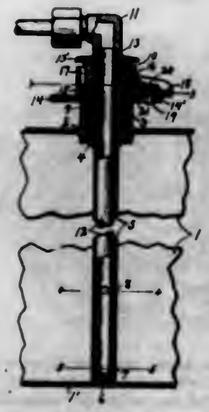
1,641,075. DOUBLE-POINTED-PIN FASTENER. PAUL E. FENTON, Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 4, 1927. Serial No. 188,756. 3 Claims. (Cl. 24—150.)

1. A double-pointed pin fastener of snap-fastener type, having a cap provided with a flanged rim and a substantially central opening, and a double-pointed pin having a substantially triangular bent-over and humped head engaged at four points by the flanged cap, the base of



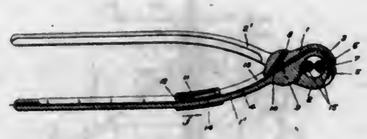
the head crossing the lower portion of the opening in the cap and adapted to engage the head of a stud which forms the complemental member of the snap-fastener.

1,641,076. VACUUM-TANK FEEDER. CARL J. FERGUSON, Geneva, N. Y., assignor to William S. Johnson, Syracuse, N. Y. Filed Jan. 19, 1926. Serial No. 82,336. 6 Claims. (Cl. 158—46.5.)



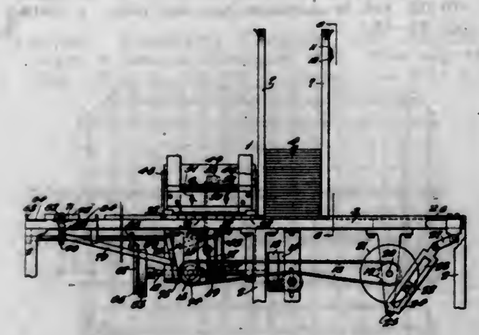
1. In a vacuum tank feeder, a bushing having means for securement to the top wall of a liquid container and provided with a tube adapted to extend into the container to a level near the bottom thereof and open at the bottom, an additional tube extending through the first-named tube to the level of the lower end thereof and having its lower end closed and its upper end extended some distance beyond the top of the first-named tube, a nipple loosely fitted over and upon the upper end of the inner tube to permit said inner tube to be rotated relatively to the outer tube and nipple, said tubes being provided with separate sets of apertures at different levels, those of each set being adapted to register with each other and to deregister those of the other set when the inner tube is adjusted rotarily to different positions, and means operatively connected to the inner tube between the bushing and nipple for rotating the inner tube.

1,641,077. BINDING AND CUTTING PLIERS. EUGÈNE FOUQUET, Bois-Colombes, France. Filed Nov. 9, 1925, Serial No. 67,978, and in France Nov. 21, 1924. 6 Claims. (Cl. 140—121.)



1. In a wire working tool the combination of a channelled wire receiving jaw, the channel in the said jaw having a diameter very slightly superior to that of the wire, of a stem bearing the channelled jaw and provided with a longitudinal narrow wire receiving channel continuing that of the said channelled jaw of a second jaw recessed at its outer end and cooperating with the channelled jaw by closing over the parts to bind, of a box communicating with the rear of the channel in the stem, for receiving a roll of wire, of a device adapted to cut the wire at the end of the first named jaw, of a blocking device preventing any undesirable rearward motion of the wire and of means whereby the forward motion of the box causes the wire to advance.

1,641,078. LEAD-LAYING MACHINE FOR PENCILS. JOHN S. FURST, Philadelphia, Pa. Filed Jan. 18, 1926. Serial No. 82,096. 18 Claims. (Cl. 226—2.)

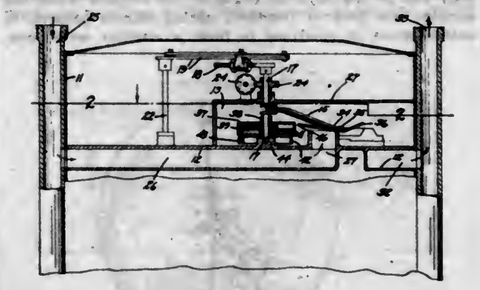


1. In a lead laying machine slats having a plurality of grooves, and lead laying mechanism effective to simultaneously lay lead in said grooves by a rolling action.

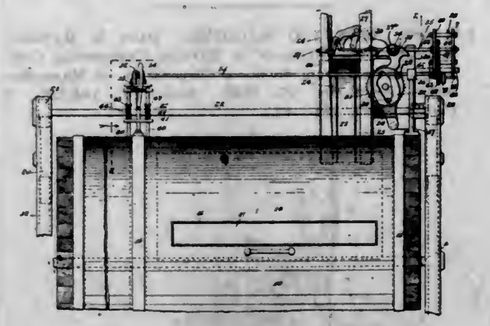
18. In a lead laying machine, a stack holder for the grooved slats, a slotted grid, means to progressively feed slats from the stack beneath said grid, means to position a slat beneath said grid to bring its grooves into registry with said slots and out of registry with the grooves of the next slat to be fed so that its front wall will contact with the rear ends of the leads of a lead containing slat, and means to feed leads to the slots of said grid.

1,641,079. GAS-METER ATTACHMENT. CHARLES B. GAMBLE, Minneapolis, Minn., assignor of one-half to John T. Lucas, Minneapolis, Minn. Filed July 24, 1924. Serial No. 727,940. 5 Claims. (Cl. 73—1.)

1. A fluid meter having a fluid measuring mechanism including a fluid passage, a normally open valve therein and a rotary element actuated when the meter is operated, in combination with means tending to close said valve and hold it closed, means controlled by said element for resisting such tendency only while said element is rotating, whereby the valve will be closed when rotation ceases.



1,641,080. SAFETY ATTACHMENT FOR WASHING MACHINES. JOSEPH E. GARIGLIO, Brooklyn, N. Y. Filed Aug. 15, 1925. Serial No. 50,423. 3 Claims. (Cl. 192—135.)

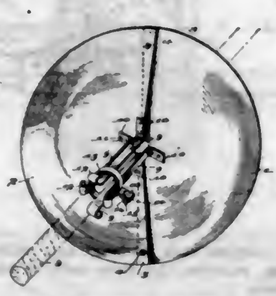


1. In a washing machine including a stationary casing having a doorway, a closure therefor, a drum mounted in the casing for rotation, a reverse driving mechanism for the drum including a drive shaft operatively connected with the drum, a tight pulley secured to said drive shaft, a pair of loose pulleys mounted on the drive shaft at opposite sides of the tight pulley, oppositely driven belts respectively engaging the loose pulleys, slidable belt-shifting means for shifting the belts from the loose pulleys into engagement with the tight pulley to drive the shaft in opposite directions, a rock arm driven by one of the loose pulleys, a coupling device for connecting and disconnecting the rock arm with the belt-shifting means for actuating the same, a safety attachment for said machine, comprising an apertured portion in the casing closure, constituting a keeper, a locking bolt mounted on the casing, means for normally effecting the retraction and disengagement of the bolt from the keeper, and a common manipulating lever movable in one direction for simultaneously engaging the bolt with the keeper for locking the closure in closed relation to the doorway and for throwing the coupling device in engagement with the rock arm for rendering the driving mechanism active.

1,641,081. RAT GUARD. NATHAN HEYMANN, New Orleans, La. Filed May 9, 1925, Serial No. 29,181. Renewed May 18, 1927. 2 Claims. (Cl. 114—221.)

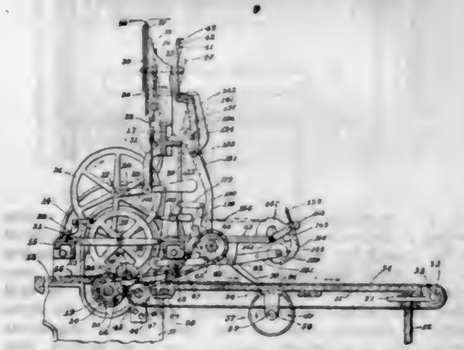
1. A rat guard comprising a body consisting of two cooperative plate sections having lapped portions at their adjacent edges, means for releasably securing the lapped

portions of the two sections together, said sections being cooperatively formed to provide a central opening in the body and at the adjacent edges of the sections when the sections are secured together, spring fingers secured to said sections in positions to form a circular series con-



centric with said central opening, and an adjustable binding ring encircling said spring fingers, said spring fingers having stops at the outer ends thereof for preventing said binding rings from slipping from the outer ends of the spring fingers.

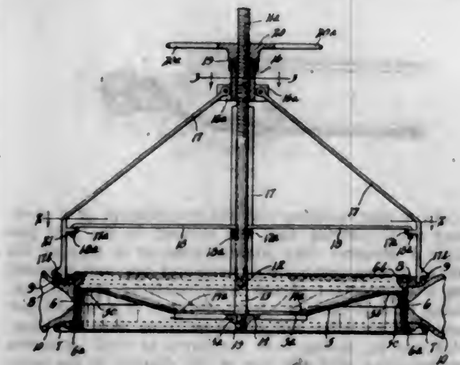
1,641,082. MARKING MACHINE. DANA E. HARDING, Melrose, Mass., assignor to Harding Engineering Company, East Boston, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1926. Serial No. 144,523. 7 Claims. (Cl. 101—43.)



4. In a machine of the class described, the combination of a measuring machine, a marking device associated therewith, a plurality of independently operable character bearing mechanisms on the marking device and means for controlling the operation of the mechanisms with the measuring machine whereby a setting of the independently operable character bearing devices is permitted only after a predetermined time in the passage of material to be measured through the machine.

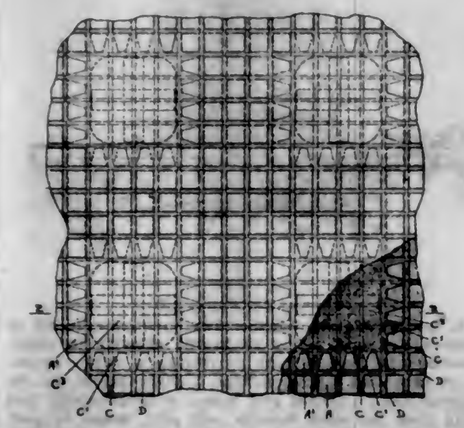
1,641,083. TIRE TOOL. FRANK D. HITE, Minneapolis, Minn. Filed Apr. 11, 1927. Serial No. 182,756. 4 Claims. (Cl. 157—6.)

1. A device for removing the detachable flanges and tire from the rim of a wheel having in combination, a central member having means at its lower end to engage one side of said wheel, a sleeve adjacent the other end of said member through which it passes, a plurality of circumferentially spaced bars pivoted to said sleeve and extending outwardly and downwardly therefrom having substantially vertical lower portions constructed and arranged to engage the side ring, means for holding said bars in proper position and a nut member having means



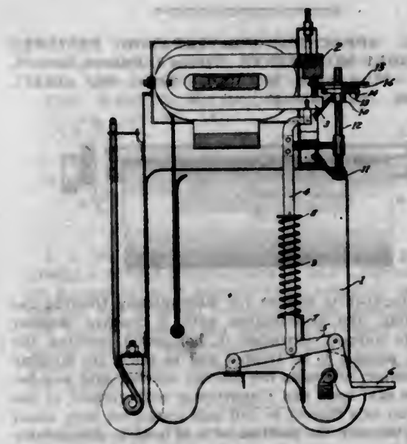
for turning the same threaded on said stem above said sleeve and adapted to engage the same and exert pressure on said detachable flanges when rotated.

1,641,084. CONSTRUCTION OF REENFORCED CONCRETE FLOORS. WILLIAM ROBERT DRAYTON INNES, Melbourne, Victoria, Australia, and MALCOLM SHORE STANLEY, Adelaide, South Australia, Australia, assignors to James Dell & Co. Proprietary Limited, Melbourne, Victoria, Australia, a Company registered under the laws of Victoria. Filed Oct. 26, 1923, Serial No. 670,975, and in Australia Apr. 24, 1923. 1 Claim. (Cl. 72—15.)



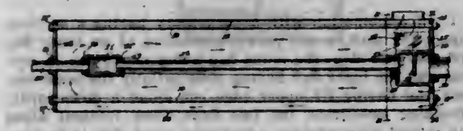
A monolithic reenforced concrete floor composed of a number of solid concrete slab portions positioned over the tops of the columns which support the floor, a number of concrete ribs extending across the spaces between such slab portions and crossing one another approximately at right angles, whereby to surround the slabs, the ends of said surrounding ribs gradually thickened toward the slabs or ribs and merging into said slabs, light tiles positioned between such ribs, suitable reenforcements embedded in the slab portions and ribs, and a lightly reenforced layer of concrete covering and connecting the tops of the ribs and slabs and forming the floor surface, the whole forming an integral floor structure.

1,641,085. RIVET HEATER. WILLIAM E. IRISH, Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1921. Serial No. 474,404. 1 Claim. (Cl. 219—11.)



A rivet heater comprising a pair of clamping electrodes, one of said electrodes being movable toward and from the other, a treadle connected to said movable electrode and a rivet feeder operably connected to said treadle.

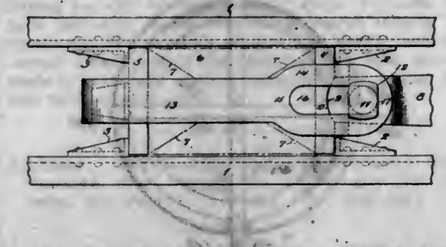
1,641,086. COMBINED MUFFLER AND HEATER. JAMES W. KEENAN, Farmington, Mich. Filed Aug. 12, 1926. Serial No. 128,774. 4 Claims. (Cl. 257—16.)



1. A combined heater and muffler including a casing having an air inlet at one end and in the lower part thereof and a hot air outlet at the same end and in the upper part thereof, a muffling device in said casing extending horizontally across the same from side to side thereof and from one end to adjacent the opposite end, said muffling device including a conduit for hot gases extending longitudinally of the casing and constructed to permit expansion of hot gases passing therethrough, the walls of said conduit being of thin metal and having an extended heat radiating area.

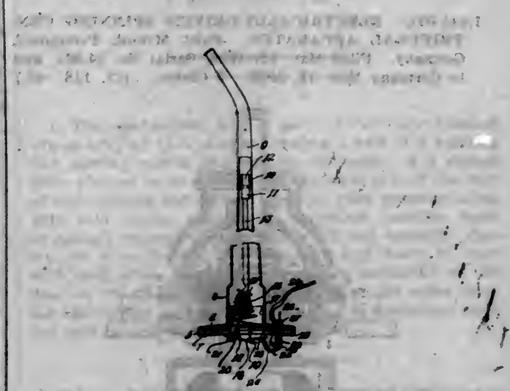
1,641,087. DRAFT RIGGING. RALMON T. KNAPP, Rochester, N. Y., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Jan. 19, 1924. Serial No. 687,189. 5 Claims. (Cl. 213—72.)

1. In a draft rigging, the combination with a slotted yoke, of a coupler, lugs formed thereon and adapted to extend through the said yoke slots, heads on said lugs, said heads being equal in width to the said yoke slots, the forward ends of the yoke being thickened to extend substantially the full height of the cooperating lugs, said thickened portions being discontinued rearwardly of the



forward ends of the slots to permit the separation of said yoke and coupler by a plurality of rotations without spreading of said yoke arms.

1,641,088. OIL CAN. GUSTAVE LIDSEEN, Chicago, Ill. Filed Oct. 9, 1926. Serial No. 140,444. 3 Claims. (Cl. 221—46.)

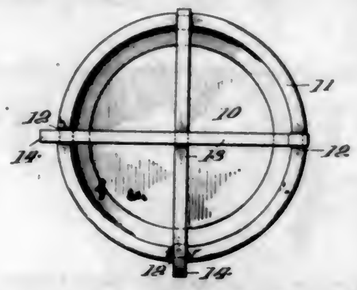


1. An oil can comprising an oil container, a spout thereon having a flange for attachment to the container top, a passaged valve seated in said spout, a valve stem in said spout, a valve head on one end thereof, a cup secured in said spout a disk secured on said valve stem, a coiled spring engaged around the valve stem between said cup and said disk adapted to normally hold the valve head seated in closed position against the valve seat, an inner lever pivotally supported on said cup, and an outer lever pivotally supported on the spout flange and having one end thereof engaged against the inner lever and the other end projecting from the spout flange to afford a means for opening the valve head against the action of said spring.

1,641,089. SEALING MATERIAL FOR GASOMETERS. ROBERT MEZGER, Stuttgart, Germany, assignor to Paul Lechler, Stuttgart, Germany, a Firm. Filed Nov. 21, 1925, Serial No. 70,710, and in Germany Dec. 8, 1924. 4 Claims. (Cl. 196—149.)

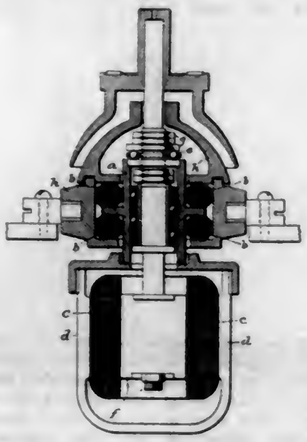
4. A sealing liquid for dry gasometers of the movable disc type comprising a mineral bituminous material and an oil vehicle therefor, said oil vehicle being an oil consisting largely of aliphatic hydrocarbons, containing no substantial fractions boiling below 300° C., said oil having a flash point not substantially below 158° C., having a freezing point substantially below that of water, and being substantially unaffected by illuminating gases.

1,641,090. SUPPORT FOR BAKING CRUSTS. MARY A. MILLER, Lancaster, Pa. Filed May 20, 1926. Serial No. 110,452. 3 Claims. (Cl. 53—6.)



2. A support for baking crust, comprising a receptacle and supporting bars independent of each other extending across the receptacle and removably supported thereby, for forming a support for a dough covering and adapted to be withdrawn from beneath the baked crust.

1,641,091. ELECTRICALLY-DRIVEN SPINNING CENTRIFUGAL APPARATUS. PAUL MINCK, Petersdorf, Germany. Filed Mar. 12, 1926, Serial No. 94,361, and in Germany Mar. 12, 1925. 5 Claims. (Cl. 118—43.)



1. In a spinning head, a shaft, means in which said shaft is antifrictionally mounted, an electric motor pendently mounted below and on one end of said means and arranged to drive said shaft and a rubber support for said means.

1,641,092. BRAKE FOR RAILWAY TRAINS. ERNEST ALBERT MOUTIER, Paris, France. Filed June 22, 1925. Serial No. 38,764, and in Austria July 18, 1924. 9 Claims. (Cl. 303—4.)



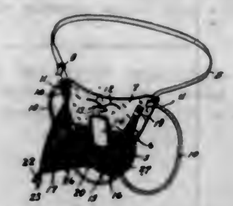
1. In an air-brake system, the combination with automatic brake actuating means operating at intermediate air pressures; of an infra-brake operating at pressures below atmospheric pressure, said infra-brake comprising for each railway car a cylinder and a piston to produce an action substantially as strong as that of said automatic brake, means for connecting the cylinder of said infra brake to the air line of the train and also controlling the automatic brake to permit the infra-brake to be operated on vacuum in the air line of the train.

1,641,093. APPARATUS FOR TREATING PATIENTS BY BODILY MOVEMENTS. VIVIAN J. PEARSE, Everett, Wash. Filed Sept. 29, 1920. Serial No. 413,517. 4 Claims. (Cl. 128—33.)



1. In therapeutic devices for mechanically treating the human body, the combination with a concave member adapted to support extended in horizontal position the body of a patient to be treated and to resist its slipping on the member, of means for forcibly moving said member relative to said body and transversely with respect to the longitudinal axis thereof to roll said supported body about said axis, whereby the position of said body is successively reversed.

1,641,094. SUSPENSORY. GUY SHEARMAN PETERKIN, Seattle, Wash. Filed Mar. 8, 1922. Serial No. 541,893. 2 Claims. (Cl. 128—158.)



1. In combination with a suspensory having a scrotum supporting sack, a slit pocket consisting of an inner flap and an outer flap, the outer flap being triangular in contour and the inner flap having substantially the same contour and having its upper edge cut along a downwardly extending semicircle, the two flaps being integral along one lateral edge whereby when said outer flap is in open position, corners in said pocket are eliminated, and means disposed along the other lateral edge to releasably secure said flaps.

1,641,095. DIATHERMIC APPARATUS. JEAN PERNET, Zurich, Switzerland. Filed Aug. 23, 1926, Serial No. 131,056, and in Switzerland Sept. 30, 1925. 6 Claims. (Cl. 174—89.)



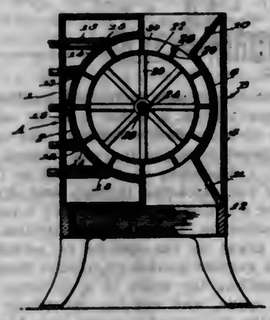
1. An apparatus of the type described, comprising a non-conductor having a cavity the shape of which corresponds to the shape of the afflicted one half of the scrotum with which it has to contact while supporting the latter, an electrode arranged in said cavity and shaped to form with the walls of said cavity, a smooth surface, and means adapted to detachably fix the non-conductor to the body of the patient.

1,641,096. CLIP OR FASTENER. ROBERT T. POLLOCK, Boston, Mass., assignor to Pollock Pen Company, Boston, Mass., a Corporation of Delaware. Filed Aug. 5, 1921, Serial No. 490,150. Renewed Jan. 26, 1927. 2 Claims. (Cl. 24—11.)



1. A clip fastener for a fountain pen or pencil, comprising a hooked gripping member and a button connected by a support, said support being mounted internally of the pen cap or pencil barrel, a spring positioned between the hooked member and button for holding the hook in spring contact with the outer surface of the pen or pencil and operable to be raised by pressure imposed upon the bottom.

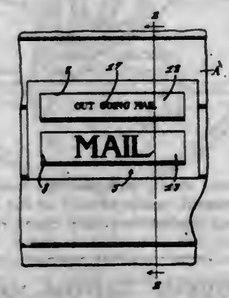
1,641,097. MEANS FOR STERILIZING COTTON AND OTHER SEEDS. PARRISH HENDRICKS RYLANDER, Austin, Tex., assignor to William P. Rylander, James B. Rylander, and Parrish H. Rylander, constituting the Firm of The Rylander Company, Austin, Tex. Filed Apr. 15, 1925. Serial No. 23,437. 6 Claims. (Cl. 67—3.)



4. A sterilizer comprising a housing having two spaced concavely curved inner walls both lying in arcs of a circle struck by the radius moving in a vertical plane, one of said concavely curved inner walls being relatively large and extending through approximately 180°, a cylindrical carrier supported in said housing to rotate about an axis concentric with the aforesaid circle, said housing having an inlet opening for seeds between two adjacent ends of the concavely curved inner walls of the housing and having an outlet opening for seeds between the other two adjacent ends of said concavely curved inner walls, said housing having spaced rows of spaced discharge orifices opening through said relatively large concavely curved inner wall of the housing through which live steam may be discharged toward said carrier, and a circumferential series of shallow troughs on the periphery of said carrier, said troughs being open only at their outer sides and being movable with the carrier in proximity to said concavely curved inner walls of the housing and in the path of steam jets from said discharge orifices, the space within each of said troughs being unobstructed and the edges of the walls of the trough moving close to the inner walls of said housing.

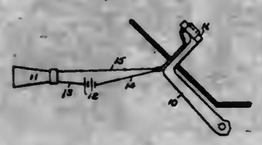
6. A machine for sterilizing cotton and other seeds comprising a housing, a seed carrier mounted to rotate in the housing, said seed carrier and said housing cooperating to confine a shallow mass of seeds between the periphery of the carrier and the adjacent wall of the housing, means carried by said housing for discharging live steam directly into said mass of seeds, said housing having an inlet for seeds and an outlet for seeds, said inlet and said outlet both being located radially outward from the periphery of said seed carrier, said seed carrier having means for engaging with said mass of seeds to cause said seeds to move with the carrier from said inlet to said outlet.

1,641,098. AUTOMATIC MAIL BOX. LOUIS HENRY SCHÄFER, New Orleans, La. Filed Dec. 17, 1926. Serial No. 155,479. 5 Claims. (Cl. 232—20.)



1. The combination with a pair of reversely disposed chutes adapted to be confined within a wall of a building and opening within and without the same, of a slotted plate adapted to be mounted on the outer face of the wall of said building and having a pair of slots communicating with said chutes, superposed, oppositely movable doors swingingly supported upon said plate and normally closing the slots therein, and means on said doors to coact with each other to effect the swinging outwardly of one door on the inward manual swinging of the other door, the said means on one door being free of connection with the said means on the other door.

1,641,099. CIRCUIT CLOSER FOR MOTOR VEHICLES. DIEDRICH O. SCHUSTER and HERMAN H. GERKE, Fort Wayne, Ind. Filed Dec. 16, 1920. Serial No. 431,051. 2 Claims. (Cl. 200—59.)

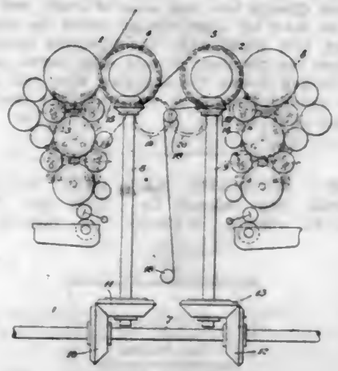


1. In combination with a controlling foot pedal of a motor vehicle, a pair of contacts supported on and insulated from the pedal, a casing secured to the pedal having a resilient portion thereof above the contacts and adapted to be depressed by the foot to engage the contacts for closing an electrical circuit at said contacts.

1,641,100. PRINTING MACHINE. DAVID J. SCOTT, Plainfield, N. J., assignor to Isabella Scott and David J. Scott, executors of the estate of Walter Scott, deceased, doing business under the name of Walter Scott & Company, Plainfield, N. J. Filed Feb. 4, 1926. Serial No. 85,819. 1 Claim. (Cl. 101—220.)

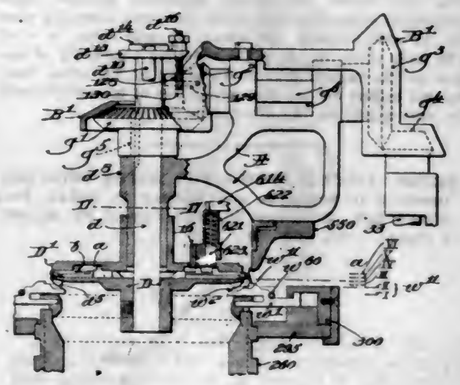
A printing mechanism including: two printing couples, one for printing and the other for perfecting a web, a horizontally disposed drive shaft, two vertically extend-

ing shafts, independent gearing connecting the drive shaft with each vertical shaft, gearing for driving one couple from one vertical shaft and the other couple from



the other vertical shaft, and gearing directly connecting the couples aforesaid, independently of the vertical shafts, to maintain their circumferentially timed relation.

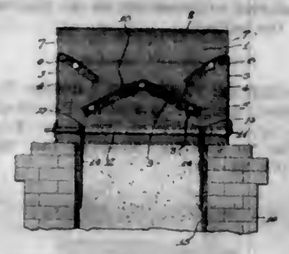
1,641,101. AUTOMATIC KNITTING MACHINE. ROBERT W. SCOTT, Babylon, N. Y., assignor to Scott and Williams, Inc., New York, N. Y., a Corporation of Massachusetts. Filed Apr. 14, 1921. Serial No. 461,195. 88 Claims. (Cl. 66—13.)



1. A knitting machine having series of needles and means for knitting on one of said series plain-fabric single-layer portions of articles of hosiery, such as leg or foot portions of a stocking, in combination with means for beginning knitting upon the bare needles articles of hosiery partly of ribbed and partly of said plain-fabric single-layer portions, by first making a setting-up course and welt, means acting thereafter to knit the remainder of the stocking, and means for pressing off the completed fabric.

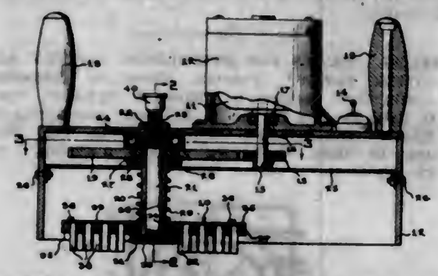
1,641,102. SPARK-ARRESTING DEVICE. JAMES SLOCUM, Detroit, Mich. Filed May 21, 1925. Serial No. 31,793. 3 Claims. (Cl. 183—70.)

1. A spark arresting device adapted to be held relative to the upper end of a chimney, said device comprising a foraminous body, foraminous side baffle members in said body, and a foraminous center baffle member in said body, cooperating with said side baffle members in providing



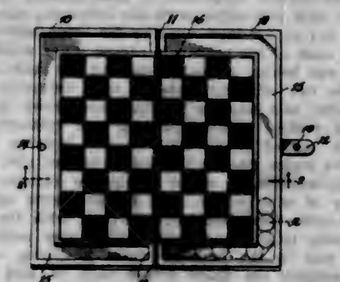
a tortuous passage for sparks through said device, said central baffle member being inverted V-shaped with its edges extending under said baffle members.

1,641,103. MEAT-BLOCK CLEANER. JOHN E. SMALL, Connellsville, Pa. Filed Aug. 25, 1925. Serial No. 52,363. 1 Claim. (Cl. 15—93.)



A device for the purpose indicated comprising a casing having an open bottom, a motor mounted on the top of the casing, a division plate secured to and spanning the casing and spaced from the top wall thereof to define a compartment, a depending shaft secured to the top wall of the casing and extending through said division plate, a brush having a hollow spindle rotatably mounted on said shaft and extending through said division plate, the brush being keyed to the spindle to permit axial but preclude from angular movement relative therto, a spring yieldingly impelling the brush in a direction away from said division plate, and gearing operatively connecting the motor with the brush spindle and housed in the compartment defined by said division plate.

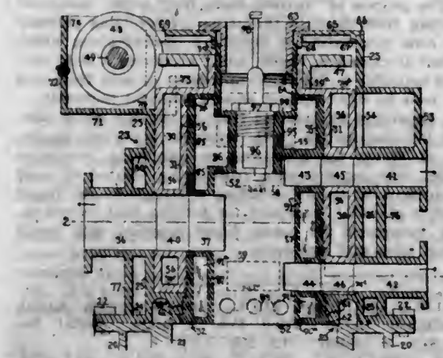
1,641,104. CHECKERBOARD. WILLIAM P. SOLOD, New York, N. Y. Filed Mar. 25, 1927. Serial No. 178,272. 1 Claim. (Cl. 273—136.)



A checkerboard formed of two hinged sections each having a playing field divided into a plurality of rows of spaces to receive men and intervening spaces, each of said

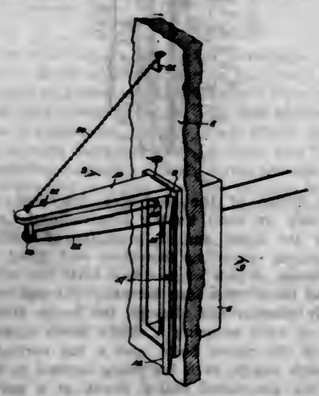
sections on three sides of the playing field of said section having a channel extending continuously about said three sides for receiving checkers pertaining to the field of the section, the channel of one section being opposite the channel of the other and corresponding therewith, the two channels when the sections are folded one upon the other jointly forming a storage chamber, the channel of the each section partly accommodating the checkers and the two jointly accommodating all the checkers of the two fields in the single storage chamber.

1,641,105. GAS ENGINE. BURNHAM C. STICKNEY, Rutherford, N. J. Filed Dec. 27, 1924. Serial No. 758,344. 43 Claims. (Cl. 123—80.)



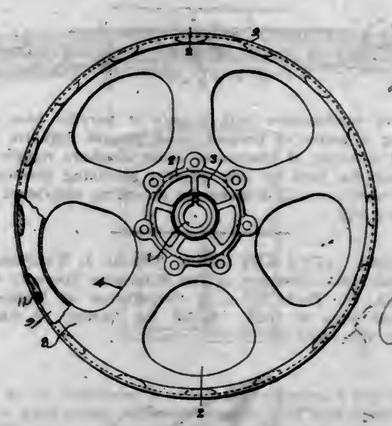
1. An engine valve in the form of a hollow-walled revolving ported shell, its porting including opposed exhaust orifices, each extending entirely through the hollow wall, and also including an intake port in a different zone from the exhaust ports to supply fluid fuel to the space within the hollow wall, said porting also including inlet ports in the interior wall and communicating with the engine cylinder.

1,641,106. CLOTHES-HANGING APPARATUS. JOSEPH VAN DUZER, Firthcliffe, N. Y. Filed June 6, 1924. Serial No. 718,328. 1 Claim. (Cl. 68—3.)



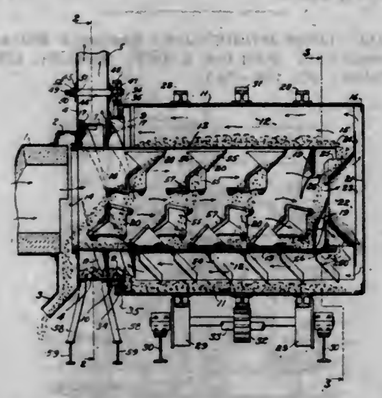
In a clothes hanging apparatus, a casing capable of being mounted in the wall of a room, a clothesline supporting arm hingedly connected to said casing and movable to horizontal and vertical positions with respect thereto within the room and capable of supporting a clothesline which is extended through said casing, and a closure for the inner end of the casing, said casing having a notch in its upper inner face for receiving the clothesline when the supporting arm is swung to the vertical position whereby said line will not interfere with the complete closing of said closure.

1,641,107. PRODUCING OF CAST METAL WHEELS. GEORGE WALTHER, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed May 10, 1920, Serial No. 380,217. Renewed July 3, 1924. 4 Claims. (Cl. 301—65.)



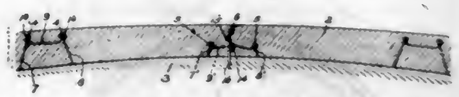
2. A cast metal wheel comprising a hub, hollow spokes and a rim, the hub having an inner tubular wall to receive bearings and an outer spoke-supporting wall extending beyond the spokes toward the outer end of the hub to form a substantially cylindrical wall and merged into the walls of the spokes, and a hub end wall joining said inner tubular wall and said outer spoke supporting wall.

1,641,108. APPARATUS FOR DRYING AND HEATING MATERIAL. LAWRENCE B. WEST, Chattanooga, Tenn. Filed Mar. 19, 1926. Serial No. 96,031. 22 Claims. (Cl. 34—5.)



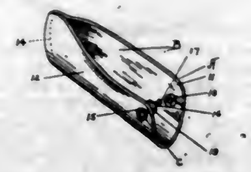
1. In an apparatus of the character described the combination of an outer drier casing; a superheater extending beyond said casing and spaced therein; a flue adapted to admit hot gas to one end of the superheater; a stationary draft chamber disposed about the extending end of said superheater and communicating with the space between said superheater and said drier casing; means to deliver material to the space between said superheater and said drier casing; means to positively convey the material to the interior of said superheater from said space including means to maintain the high temperature of said superheater; means to deliver the material from said superheater; and means to rotate said superheater and said drier casing.

1,641,109. CONCRETE REENFORCEMENT. FREDERICK R. WILSON, Canonsburg, Pa., assignor to Fort Pitt Bridge Works of Pittsburgh, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 13, 1925. Serial No. 8,984. 7 Claims. (Cl. 94—8.)



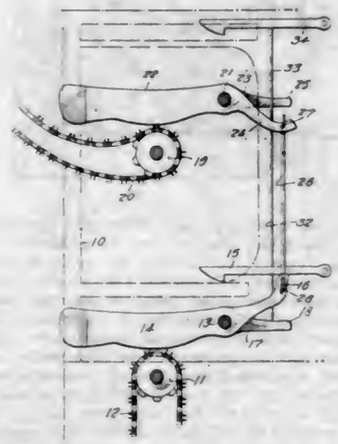
1. In combination with a pair of parallel bars each having a series of pressed cross grooves opposite each other, a series of transverse chair members tightly embracing the bars by said grooves providing intervening cross members and downwardly extending individual supporting legs.

1,641,110. AUTO KEY CASE. DANIEL J. WULFING, St. Paul, Minn., assignor to The Minnesota Specialty Company, St. Paul, Minn., a Corporation of Minnesota. Filed June 3, 1925. Serial No. 34,608. 2 Claims. (Cl. 150—40.)



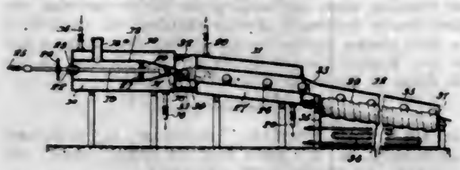
1. A key case for automobile keys including, a cover formed from a single piece of flexible material, said cover being folded centrally to provide side walls of a rectangular shape, stitching along one end of said cover to close the end of said key case, and snap catch locking means attaching to the other end of said key case adapted to provide means for holding keys by said snap catch for the purposes specified.

1,641,111. LOOM DOBBY. JOHN FREDERICK BLACKMON, Laurens, S. C. Filed Dec. 6, 1926. Serial No. 152,863. 7 Claims. (Cl. 139—74.)



1. In a loom dobby having a main pattern cylinder and an auxiliary pattern cylinder with dobby fingers associated with each, members operatively connecting said dobby fingers at points between said cylinders and the dobby frame adjacent the shedding levers of the loom.

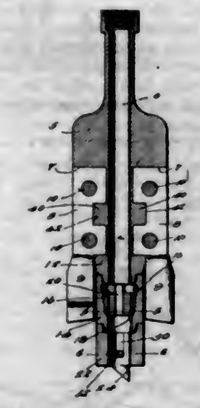
1,641,112. METHOD AND APPARATUS FOR TREATING FRESH FRUIT. ERNEST M. BROGDEN, Winter Haven, Fla., assignor to Brogdex Company, Winter Haven, Fla., a Corporation of Florida. Filed May 15, 1922. Serial No. 561,209. 32 Claims. (Cl. 91—70.)



1. The process of treating fresh fruit which comprises subjecting fresh fruit to the action of revolving polisher brush rolls cooperating to provide a runway along which the fruit is caused to travel, while atomizing a fluid protective material in operative proximity to said fruit and brush rolls to effect contact of said material therewith.

13. Apparatus for treating fruit or the like which comprises the combination, with revoluble brush-roll mechanism, of means for atomizing or nebulizing protective material into contact with fruit being treated by said mechanism, said means including a receptacle for liquid protective material, provision for heating said receptacle, and a compressed air nozzle device supplied with liquid material from said receptacle.

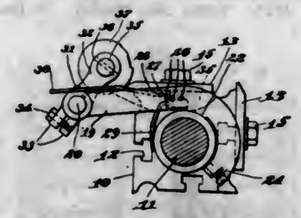
1,641,113. DRILLING TOOL. PERCY BRUNT, Meyal, Pindigheb, India. Filed Feb. 9, 1924. Serial No. 691,817. 2 Claims. (Cl. 255—72.)



1. In a device of the character described, a cutter carrying body or head having longitudinally extending grooves at its lower end, a plurality of cutters each having a shank extending therefrom and fitted into one of said grooves, a pair of securing bolts for each cutter shank, said bolts extending laterally through the walls of the body member and through the cutter shanks, and each pair of bolts securing a shank being spaced longitudinally of the cutter body, and a lug carried by the body for each shank, each lug being located to fit into a recess in the associated cutter shank at a point intermediate the securing bolts for said shank.

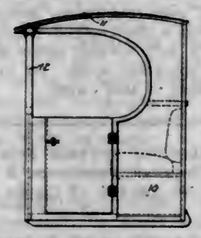
1,641,114. RADIAL SETTING GAUGE. LEWIS B. CARLSON, Boston, Mass., assignor to S. A. Woods Machine Company, South Boston, Mass., a Corporation of Massachusetts. Filed Dec. 15, 1923. Serial No. 680,878. 2 Claims. (Cl. 33—185.)

1. A setting gauge for cutter head knives, said gauge comprising a main frame having three-point suspension means whereby the frame is adapted to be rotatably mounted on the cutter head shaft, an auxiliary frame mounted on said main frame for adjustment relative thereto about an axis parallel to said shaft and having members affording edge-engaging surfaces which are adapted to be moved towards or from the axis of said shaft as a result of such adjustment, the entire gauge being movable about the axis of the shaft, by virtue of the three-point suspension, for engaging and moving radially a cutting edge.



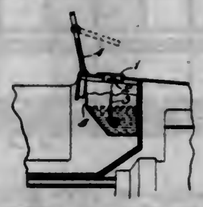
2. A setting gauge for cutter head knives, said gauge comprising a main frame, means for yieldingly and rotatably holding said frame in position on the shaft of the cutter head, an auxiliary frame mounted on said main frame for adjustment about an axis parallel to said shaft, edge-engaging devices carried by said auxiliary frame and adjustable therewith so as to vary their distance from the cutter head shaft, the entire gauge being rotatable about the axis of said shaft, whereby the cutting edge of a knife on the cutter head will be moved radially inward with respect to the center of said shaft.

1,641,115. CAB FOR MOTOR VEHICLES. PHILIP CARLSON, Bridgeport, Conn. Filed Jan. 21, 1927. Serial No. 162,629. 7 Claims. (Cl. 296—120.)



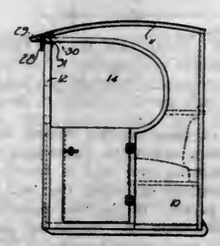
1. A cab comprising a cab frame including a roof member, a wind shield structure member upon said frame and beneath said roof member, said members being rigid with the frame, and a connection between said members to preclude the transmission to said wind shield structure of twisting strains imparted to said roof, and vice versa, said connection including closure strips secured to one of said members and engaging the other member in a manner to allow sidewise movements of said members relatively to each other.

1,641,116. LIQUID-LEVEL INDICATOR. CLARK CARSON, Los Angeles, Calif., assignor to Munson H. Lane, Washington, D. C. Filed Oct. 15, 1925. Serial No. 62,561. 1 Claim. (Cl. 73—82.)



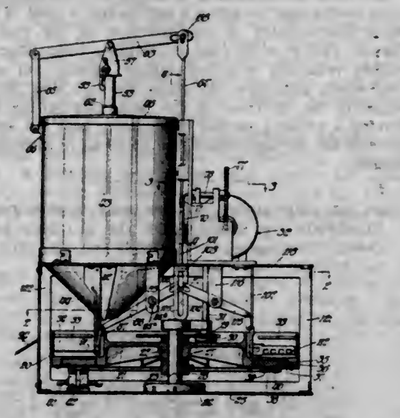
In combination with an automobile cowl having a cowl opening, and a removable cover therefor, a fuel tank located within said cowl, an apertured tank cap located beneath the cowl cover, a liquid level indicator comprising a float having a rod attached thereto, said rod extending through said aperture in the tank cap, and rendered operative or inoperative as an indicator according as the cowl cover is open or closed.

1,641,117. CAB FOR MOTOR VEHICLES. PHILIP CARLSON, Bridgeport, Conn. Filed Jan. 21, 1927. Serial No. 162,630. 10 Claims. (Cl. 296—120.)



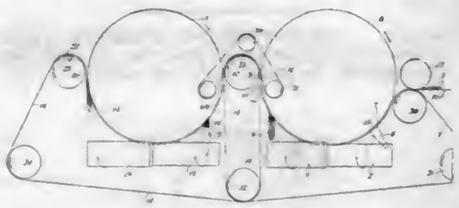
1. A cab comprising a cab frame including a roof member, a wind shield structure member upon said frame and beneath said roof member, said members being rigid with the frame, and a resilient connection between said members to preclude the transmission to said wind shield structure of twisting strains imparted to said roof, and vice versa, said resilient connection including a universal joint fixed relatively to one of said members, a telescoping element fixed to said joint, a cooperating telescoping element fixed to the other of said members, and a yieldable equalizing device associated with said telescoping elements to urge said elements apart.

1,641,118. DOUGHNUT MACHINE AND THE LIKE. CHARLES E. CARPENTER, Chicago, Ill. Filed Mar. 6, 1926. Serial No. 92,777. 15 Claims. (Cl. 53—7.)



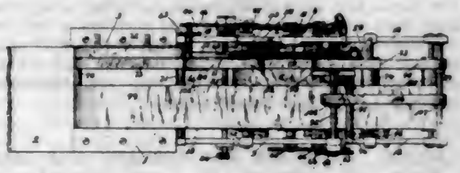
3. In a machine of the class described, the combination of a cooking vessel, means for causing said vessel to travel in a definite closed path lying in a substantially horizontal plane, a series of compartments in said vessel corresponding to individual articles to be cooked therein, means for heating the vessel during its travel, means for intermittently introducing dough batches into the consecutive compartments as they pass a given point, means for turning the cooking articles in the different compartments as they pass another point, and means for removing the cooked articles from the individual compartments as they pass another point, substantially as described.

1,641,119. DECORTICATING APPARATUS FOR THE TREATMENT OF SISAL AND OTHER FIBROUS LEAVES AND STALKS. JOHN COOK, Nairobi, East Africa. Filed Mar. 21, 1925, Serial No. 17,366, and in Great Britain Nov. 4, 1924. 24 Claims. (Cl. 19—9.)



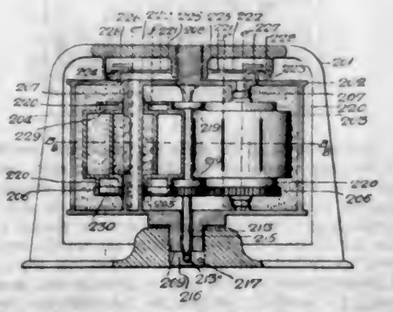
1. A method of decorticating fibrous material, which consists in crushing, shredding and scutching one part of the leaf while causing said leaf to travel in a predetermined path, thereafter diverting the leaf to cause it to move in a path parallel to the first mentioned path, and shredding and scutching the remaining part of the leaf while traveling in such second path.

1,641,120. STEMMING MACHINE. GEORGE R. CORNWALL, Rye, N. Y., assignor, by mesne assignments, to Gough Stemming Machine Corporation, a Corporation of New Jersey. Filed Dec. 16, 1918. Serial No. 266,861. 26 Claims. (Cl. 131—57.)



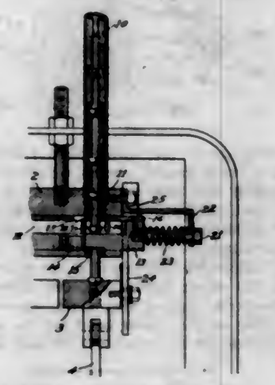
26. In a leaf-stemming machine, in combination, stripping mechanism including a belt having a field of teeth to move continuously in the direction of the feed of the leaves, and stem-drawing mechanism comprising continuously revolving co-acting rolling members to seize the leaf stems and draw the stems through said field at an angle to the direction of the feed, said rolling members having a yielding surface to securely grip the stems and provide for the accommodation of stems of different thicknesses.

1,641,121. METHOD AND APPARATUS FOR THE COMPRESSION OR EXPANSION OF A GAS. EDWIN J. CREEL, Washington, D. C. Filed Feb. 13, 1918. Serial No. 217,002. 134 Claims. (Cl. 230—22.)



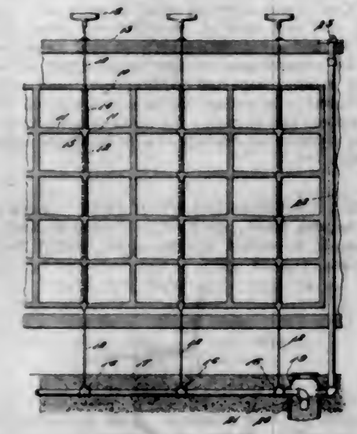
1. In combination, a vessel adapted to contain a rotating or revolving body of liquid, and mechanical means for transferring a fluid of different density, than said liquid, between one portion and another of the said liquid body, the said mechanical means being constrained to turn, substantially in unison with said liquid, about the axis of rotation or revolution of said liquid body.

1,641,122. RIVET HEATER. PATRICK J. CULHANE, Jr., Cleveland, Ohio, assignor to The Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1921. Serial No. 474,507. 5 Claims. (Cl. 219—11.)



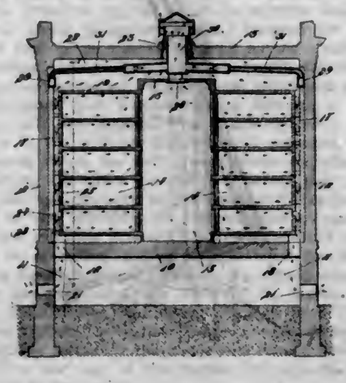
1. In a rivet heater, a clamp comprising a pair of opposed electrodes, a rivet magazine, means for operating said clamp and a reciprocating feeder operably connected to said clamp operating means for transferring rivets from said magazine to said clamp.

1,641,123. DRAINING SYSTEM FOR MAUSOLEUMS. THOMAS F. CULLINAN, Providence, R. I. Filed Oct. 4, 1926. Serial No. 139,477. 6 Claims. (Cl. 72—7.)



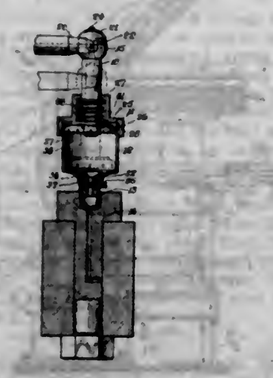
1. In a mausoleum having a roof and a stack of crypts or vaults under the roof, the combination of an open-ended rain receiving conductor pipe extending through the roof and means communicating with the crypts of said stack to drain the liquid from the same into said conductor pipe whereby the rain water will run down through said pipe to clean the drainage therefrom.

1,641,124. VENTILATING SYSTEM FOR MAUSOLEUMS. THOMAS F. CULLINAN, Providence, R. I. Filed Oct. 4, 1926. Serial No. 139,478. 13 Claims. (Cl. 72—7.)



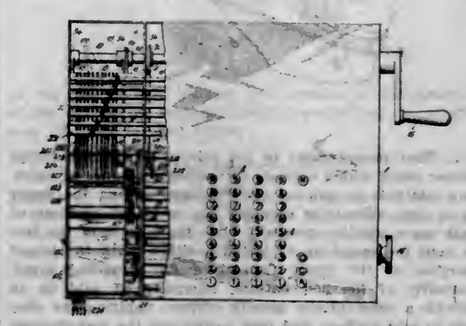
1. A mausoleum having a floor and a ventilating air space beneath the floor open to the outer air, side walls, a roof supported by said walls and having a ventilating opening, and a stack of crypts or vaults within the building having a combined volume less than that of the interior of the building and spaced from said walls and roof, means for venting said crypts, and means whereby the air entering the space below the floor is caused to flow upward about said stack into the space above and thence out through said roof opening to induce a draft through said crypt venting means.

1,641,125. LUBRICATING SYSTEM. SIDNEY DAWSON, Chicago, Ill., assignor, by direct and mesne assignments, to Edward J. Morse, Chicago, Ill. Filed Dec. 27, 1921. Serial No. 525,111. 4 Claims. (Cl. 184—45.)



1. In a lubricating device, the combination of a lubricant container, a piston arranged in the container, said piston having a recessed portion, a piston stem, said piston stem having a passage through which the lubricant is passed into the container, a valve structure arranged in the recessed portion of the piston, a portion of said valve structure being adapted to be passed through the piston, said valve structure being provided with means to retain it in cooperative relation in said piston and piston stem, said means consisting of a valve stem having a valve at one end thereof on one side of the recessed portion of the piston, and a head at the other end thereof on the opposite side of the recessed portion of the piston and within said piston stem, and a spring coacting between said piston and said head.

1,641,126. COMPUTING MACHINE. ISAAC S. DEMENT, East Orange, N. J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a Corporation of Maryland. Filed Jan. 9, 1904. Serial No. 188,389. 54 Claims. (Cl. 235—60.)



14. The combination of a plurality of adding devices, means for taking the totals thereon, and controlling means for controlling the totaling means to take the totals in a predetermined order.

40. In combination, a plurality of sets of accumulating devices, means for operating the same, means for connecting any one of said sets of devices with said operating means, and mechanism for automatically controlling the sequence of connection of said sets of accumulating devices with the actuating means.

42. In a machine of the class described, a plurality of accounting devices, means for accumulating amounts thereon, a printing mechanism and means for automatically clearing said accounting devices and for transferring their indications to said printing mechanism in a definite order.

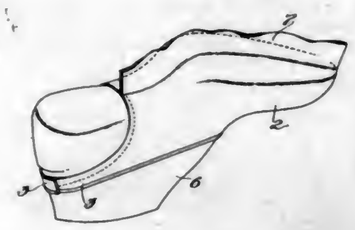
1,641,127. SANITARY CASTER. RUTH W. DENSLOW, Houston, Tex., assignor of one-half to Robert L. Cole, Houston, Tex. Filed Dec. 3, 1924. Serial No. 753,595. 1 Claim. (Cl. 43—109.)



In a caster, the combination of a floor engaging element, mating cylindrical members secured together end to end to form a cage operatively confining said element therein, said members being provided externally with

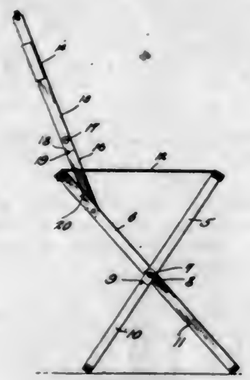
annular flanges, a cylindrical insecticide pad surrounding said cage and confined between said flanges, and a cylindrical perforated sheath confined between said flanges to surround said pad.

1,641,128. PROCESS FOR MANUFACTURING RUBBER SHOES. ERNEST W. DUNBAR, Hudson, and HERMAN WESTLING, Boston, Mass., assignors to Cambridge Rubber Company, Cambridge, Mass., a Corporation of Massachusetts. Filed May 5, 1924. Serial No. 711,006. 3 Claims. (Cl. 12—142.)



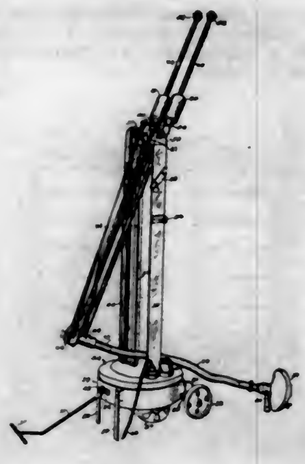
2. That improvement in the process of manufacturing rubber shoes which consists in cutting an upper of excessive width from unlined sheet rubber, placing the upper on a last, adhesively securing the marginal portions of said upper together centrally upon the bottom of the last to hold the upper in its lasted position, with the joined margins of the upper forming a fin extending longitudinally of the last bottom, trimming off said fin to provide a substantially smooth surface, applying the shoe sole to said surface, and then completing the manufacture of the shoe in any convenient manner.

1,641,129. STOOL AND CHAIR CONSTRUCTION. WALTER EDWARDS, Kokomo, Ind. Filed Oct. 19, 1926. Serial No. 142,689. 2 Claims. (Cl. 155—147.)



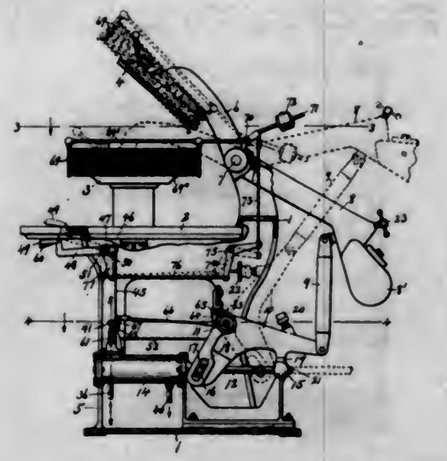
1. A chair including pivotally connected leg sections, a seat portion connecting the upper ends of the leg sections, a back rest pivotally connected with one of the leg sections, a substantially wide back engaging member extending across the back rest and having offset end portions, said offset end portions defining pockets to receive portions of the leg sections when the chair is in its folded position.

1,641,130. FLEXIBLE-SHAFT DRIVING STAND. WINFRED W. ELLIOTT, Johnson City, N. Y., assignor to Himself and Arthur H. Shear, Copartners, Binghamton, N. Y. Filed Aug. 4, 1921. Serial No. 489,921. 11 Claims. (Cl. 74—21.)



1. A driving stand for a flexible shaft comprising a ring-like base, a table mounted upon said base for rotation in a horizontal plane in relation thereto, a motor secured to the under side of said table within said base, flexible shaft driving and carrying means, and a support for said means secured to the upper face of said table and permitting movement of said means in a vertical plane.

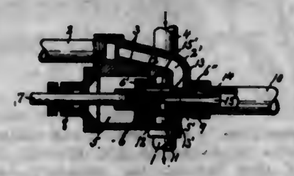
1,641,131. GARMENT-PRESSING MACHINE. FRANK E. BAKER and WILLARD L. TAYLOR, Syracuse, N. Y., assignors to Chapin-Skelton Corporation, Syracuse, N. Y., a Corporation of New York. Filed Nov. 5, 1924. Serial No. 747,969. 9 Claims. (Cl. 68—9.)



1. In a steam-power-operated garment pressing machine, a frame, cooperative pressing elements, one of which is movable toward and from the other toggle connection between the frame and movable pressing element, a steam cylinder, a piston movable in the cylinder and provided with a rod extending through one end of the cylinder and connected to one of the toggle members, means for introducing steam into the cylinder for operating the piston and means for controlling the admission of steam to said cylinder, said means including a valve and means actuated by one of the toggle members when approaching its straightened position for opening said valve an increased amount as the piston approaches the limit of its pressure stroke.

9. In a garment pressing machine, a frame, cooperative pressing elements one of which is movable toward and from the other, toggle connections between the movable element and frame, a steam cylinder having a valve chamber communicating through a passage with one end of the cylinder and provided with a steam inlet port and with an additional port communicating through a separate passage with the opposite end of the cylinder, a piston movable in the cylinder between said passages, separate self-closing valves for said ports, means operable at will for opening the valve for the first named port to admit steam through the first named passage for operating the piston in one direction, an exhaust port communicating with the cylinder between the ends of said passages, means for operating said valve operating means to release the first named valve and to open the second named valve as the piston reaches the limit of its steam operated stroke for allowing the steam to pass from the valve chamber through the second named passage to the cylinder for partially returning the piston and connections between the piston and one of the toggles for imparting motion from one to the other.

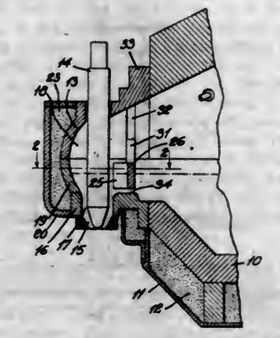
1,641,132. VALVE FOR GARMENT-PRESSING MACHINES. FRANK E. BAKER, Syracuse, N. Y., assignor to Chapin-Skelton Corporation, Syracuse, N. Y., a Corporation of New York. Filed Apr. 23, 1925. Serial No. 25,258. 1 Claim. (Cl. 68—9.)



In a valve mechanism, a valve case having a steam chamber provided with an inlet port, an exhaust port and an additional port, means for supplying steam to the steam chamber through the inlet port and an ejector nozzle movable in the valve case and projecting into the exhaust port across the adjacent port, said nozzle having means when in one position for closing the inlet port and with additional means when adjusted to another position for connecting the inlet port to the additional port and simultaneously cutting off communication between the inlet port and the exhaust port, said nozzle being adjustable to a third position and provided with means when in that position for receiving steam from the inlet port and discharging it through the exhaust port past the additional port and with additional means for opening communication between said additional port and the exhaust port.

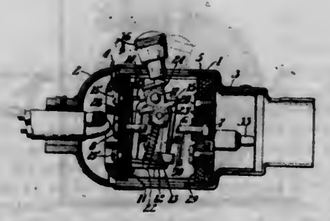
1,641,133. APPARATUS FOR FEEDING MOLTEN GLASS. JULIUS H. O. BUNGE, London, England, assignor to Hartford-Empire Company, Hartford, Conn., a Corporation of Delaware. Filed Oct. 22, 1925. Serial No. 64,123. 8 Claims. (Cl. 49—55.)

1. Glass feeding apparatus comprising a container including a cylindrical discharge chamber having an outlet, a discharge-controlling plunger in working alignment with said outlet, and an arcuate gate adjacent to and



at one side of said plunger and forming a continuation of the wall of the said chamber for controlling the admission of glass to said outlet.

1,641,134. ELECTRIC SWITCH. DANIEL H. CHASON, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 23, 1925. Serial No. 4,156. 2 Claims. (Cl. 173—346.)

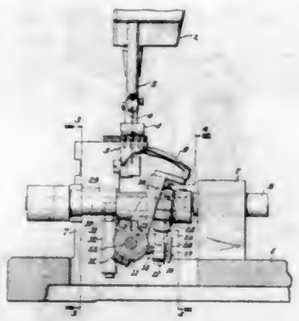


1. An electric switch comprising a cylindrical insulating support split transversely of its axis into two separable sections the meeting faces of which are formed with registering channelways, a centrally disposed bolt for holding said sections in assembled relation, an angle bracket having its bottom portion secured to the bottom wall of the channelway in one of said sections, stationary contact means mounted in the channelway in the other section, and a spring-toggle-operated movable contact mechanism mounted on the side portion of said angle bracket at one side of said bolt and including a movable contact element adapted to engage the stationary contact means.

1,641,135. LOOPER-ACTUATING MECHANISMS FOR SEWING MACHINES. ANDREW B. CLAYTON, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Aug. 5, 1922. Serial No. 579,806. 11 Claims. (Cl. 112—200.)

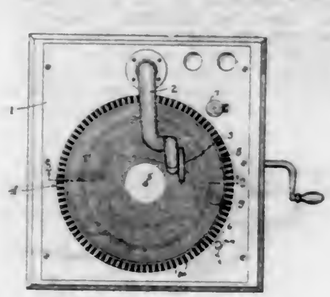
1. A looper-actuating mechanism for sewing machines comprising a main-shaft, an eccentric thereon, an arbor, a sleeve slidingly mounted upon said arbor, a tubular member supported upon said sleeve, a looper-carrier secured upon said tubular member, a looper secured upon

said looper-carrier, a connection between said tubular member and said eccentric for imparting lengthwise movements of said looper, a second eccentric on said



main-shaft, and means connecting said second eccentric with said sleeve for imparting sidewise movements to said looper.

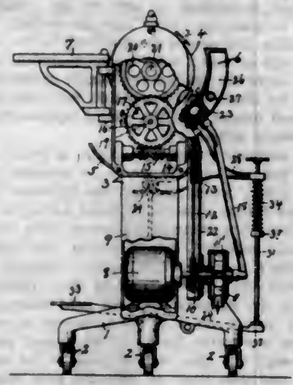
1,641,136. PHONOMETER. HARRY P. DORN, Cleveland, Ohio, assignor to The Cleveland Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,000. 4 Claims. (Cl. 88—14.)



4. As a new article of manufacture, a disc adapted to be supported on a phonograph turn table to turn in unison therewith and having an annular uniform series of marks approximately equal in number to twice the number of cycles per minute of the commercial alternating electric lighting current divided by the normal number of revolutions per minute of the phonograph turn table.

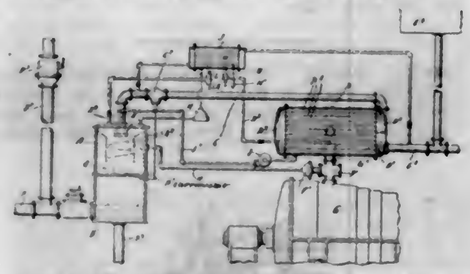
1,641,137. IRONING-MACHINE STEAM REMOVER. PETER E. GELDHOF, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed May 22, 1925. Serial No. 32,161. 1 Claim. (Cl. 68—9.)

In an ironing machine of the character described, a horizontally extending feed roller, a feed table extending lengthwise along the front face of the roller with its upper surface in a plane above the axis of said roller, a lever pivotally supported in a plane below the roller, an ironing shoe mounted on the lever in a vertical plane at the rear of the lever pivot to extend along the rear side of the roller and movable toward and from said roller as the lever is rocked in reverse directions, said ironing shoes having a heating chamber and a suction chamber between the heating chamber and pivot of the lever, said suction chamber having perforations extending through the ironing face of the shoe, means for rotating the feed roller, a suction producing device, a flexible pipe connection between the suction producing device and



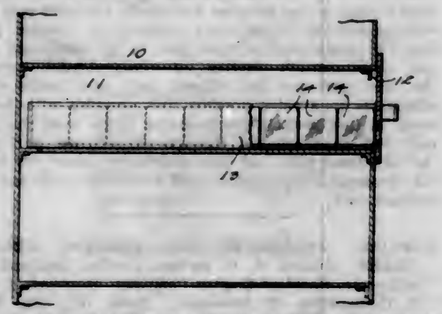
suction chamber of the shoe, and pedal operated means for operating said lever to move the ironing shoe into pressing co-action with the feed roller.

1,641,138. HEATING BOILER FEED WATER. GEORGE H. GIBSON, Montclair, N. J. Filed June 29, 1922. Serial No. 571,632. 5 Claims. (Cl. 60—67.)



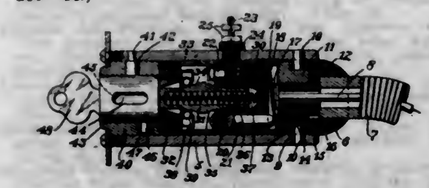
1. In a feed water heating system, the combination with a primary heater, a secondary heater, separate steam supply connections to each heater, and means for passing the water to be heated first through the primary heater and then through the secondary heater, of a means responsive to the temperature in the secondary heater for regulating the supply of steam to the primary heater.

1,641,139. FREEZING PROCESS. WILLIAM S. GLENNAN, Norfolk, Va. Filed July 12, 1927. Serial No. 205,145. 3 Claims. (Cl. 62—172.)



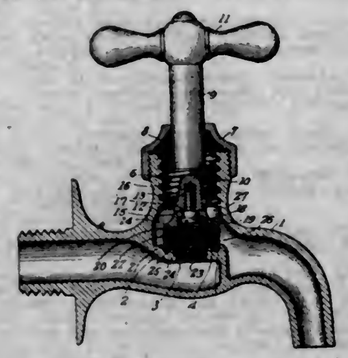
1. A process of forming ice in small units in a refrigerator having a freezing unit including a freezing crypt therein, which consists in entirely enclosing a congealable substance in small containers, and placing said containers within the crypt until the substance has been frozen.

1,641,140. IGNITION SYSTEM AND SWITCH THEREFOR. WILSON HEMINGWAY, Jr., Vicksburg, Miss., assignor to The Electro-Lock Manufacturing Company, Vicksburg, Miss., a Corporation of Mississippi. Filed Apr. 28, 1924. Serial No. 709,696. 15 Claims. (Cl. 200—44.)



1. A locking device comprising a switch and a locking mechanism with means whereby the locking device operates at a time not later than the instant of opening the switch.

1,641,141. VALVE. SALVATORE C. CALDARA, New York, N. Y. Filed Apr. 13, 1927. Serial No. 183,316. 2 Claims. (Cl. 251—159.)



1. In a faucet or like structure, a valve body having a port surrounded by an annular ridge which in turn is surrounded by an annular groove, said ridge and groove affording a valve seat, a valve stem having a screw engagement in the valve body over said seat and provided with a flat lower end having a screw seat therein, a cupped valve head having a flat upper end in abutting engagement with and of substantially the same diameter as the lower end of the valve stem, said cupped valve head having a depression in the center of the same, a screw having a shank engaged in the screw seat of the stem, a shoulder in abutment with the end of the valve stem and a head freely received in the depression in the valve head and a lead valve disc having a shouldered upper portion swaged within the cup of the valve head, the upper face of said valve disc being substantially flat and the lower face of said valve disc having an outer rim fitting in the groove of the valve seat, an annularly grooved portion within said rim fitting over the ridge of the valve seat and a central projection entering the port inside the valve seat.

1,641,142. PHONOGRAPH RECORD. ARTHUR A. JOHNSON, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a Corporation of New York. Filed Jan. 3, 1924. Serial No. 684,166. 7 Claims. (Cl. 274—44.)



7. A molded sound record formed of a wax-like record material and having an internally fluted surface the lands of the flutes being flat to have substantial engagement with a record support, and a reinforcing foraminous cloth embedded in said record material and lying adjacent the root of the flute, said cloth being stiff and open mesh so as to withstand the pressure of the molten record material against it without deforming, and permit the molten record material to flow through the foramina of the cloth in the molding operation.

Aug. 2, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbott Laboratories, North Chicago, Ill. Bismuth arsphenamine sulphonate. 230,625; Aug. 2; Serial No. 246,877; published May 24, 1927. Class 6.

Acme White Lead & Color Works, Detroit, Mich. Painters' materials. 66,757; renewed Dec. 24, 1927. Class 16.

Addressograph Company, Chicago, Ill. Machines for making printing plates. 230,603; Aug. 2; Serial No. 246,801; published May 24, 1927. Class 23.

Alliance Art Products Company, The, Alliance, Ohio. Face powders, face creams, face packs, toilet waters, etc. 230,631; Aug. 2; Serial No. 247,513; published May 24, 1927. Class 6.

American Ribbon & Carbon Co., Rochester, N. Y. Typewriter ribbons and carbon paper. 64,330; renewed Aug. 6, 1927. Class 11.

American Woolen Company, Boston, Mass. Woolen piece goods. 230,604; Aug. 2; Serial No. 246,806; published May 24, 1927. Class 42.

American Writing Paper Company, assignor to American Writing Paper Company, Incorporated, Holyoke, Mass. Typewriter paper. 64,956; renewed Sept. 3, 1927. Class 37.

American Writing Paper Company, assignor to American Writing Paper Company, Inc., Holyoke, Mass. Writing and printing paper. 65,783–4; renewed Oct. 22, 1927. Class 37.

American Writing Paper Company, assignor to American Writing Paper Company, Inc., Holyoke, Mass. Cover paper. 65,873–4; renewed Oct. 29, 1927. Class 37.

American Writing Paper Company, assignor to American Writing Paper Company, Inc., Holyoke, Mass. Writing paper and printing paper. 65,974–6; renewed Nov. 5, 1927. Class 37.

American Writing Paper Company, assignor to American Writing Paper Company, Inc., Holyoke, Mass. Writing and printing paper. 66,435; renewed Nov. 26, 1927. Class 37.

Angelo Parodi fu Bartolomeo Societa Anonima, Genoa, Italy. Canned sardines, anchovies, and tunny fish. 230,769; Aug. 2; Serial No. 222,573; published May 24, 1927. Class 46.

Ansonia O & C Company, The, Ansonia, Conn. Elastic webbing. 230,719; Aug. 2; Serial No. 245,822; published May 24, 1927. Class 42.

Antiseptic Gum Co., Denver, Colo. Medicated chewing gum. 230,722; Aug. 2; Serial No. 246,144; published May 17, 1927. Class 6.

Arden, Elizabeth. (See Lewis, Florence N.)

Armouid Oil Company, Quincy, Ill. Gasoline. 230,705; Aug. 2; Serial No. 245,318; published May 3, 1927. Class 15.

Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings. 230,733; Aug. 2; Serial No. 246,906; published May 24, 1927. Class 20.

Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings, both piece goods and rugs. 230,752; Aug. 2; Serial No. 247,406; published May 24, 1927. Class 20.

Astrom, John, doing business as Progress Technical Company, Fort Wayne, Ind. Apparatus for filtering and softening water. 230,691; Aug. 2; Serial No. 241,554; published May 17, 1927. Class 31.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics in the piece. 230,741; Aug. 2; Serial No. 247,118; published May 24, 1927. Class 42.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods and dress fabrics of silk and wool and cotton and wool. 230,824; Aug. 2. Class 42.

Austin, Nichols, & Co. Inc. (See Ethridge, A., & Co.)

Automatic Musical Instrument Company, Grand Rapids, Mich. Pianos, organs, player pianos, etc. 230,652; Aug. 2; Serial No. 237,012; published May 17, 1927. Class 36.

Baker, Mary E., Philadelphia, Pa. Hair grower. 230,657; Aug. 2; Serial No. 238,151; published May 17, 1927. Class 6.

Baldwin-Haggard Company. (See Wills, Leon C.)

Bass, E. & J., Inc., New York, N. Y. Gold-plated candlesticks, fruit bowls, salt and pepper shakers, etc. 230,574; Aug. 2; Serial No. 242,041; published May 3, 1927. Class 28.

Bass, E. & J., Inc., New York, N. Y. Silver-plated candlesticks, fruit bowls, salt and pepper shakers, etc. 230,696; Aug. 2; Serial No. 242,040; published May 3, 1927. Class 28.

Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof, lenses, Mangin mirrors, etc. 230,592; Aug. 2; Serial No. 243,993; published May 24, 1927. Class 26.

Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic medicines. 230,644; Aug. 2; Serial No. 235,874; published May 17, 1927. Class 6.

Bayer Company, Inc., The, New York, N. Y. Medicines. 230,645–6; Aug. 2; Serial No. 235,877–8; published May 17, 1927. Class 6.

Bear Brand Hosiery Co. (See Paramount Knitting Company.)

Beaudreau, Lucinda F., Fallon, Nev. Preparation for use in the treatment of asthma and all bronchial troubles. 230,594; Aug. 2; Serial No. 246,460; published May 17, 1927. Class 6.

Bergman Tool Mfg. Co., Buffalo, N. Y. Tools. 230,677; Aug. 2; Serial No. 244,976; published May 24, 1927. Class 23.

Berry's, James B., Sons Company of Illinois, Chicago, Ill. Gasoline. 230,830; Aug. 2. Class 15.

Bianchini, Ferier, Lyon, France. Piece goods of silk, wool, cotton, and hair. 230,806; Aug. 2. Class 42.

Bikoff, Jacob, & Company, Inc., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 230,813; Aug. 2. Class 27.

Bilt-Rite Baby Carriage Co., Brooklyn, N. Y. Baby carriages. 230,702; Aug. 2; Serial No. 245,135; published May 24, 1927. Class 19.

Blumenthal, August, to Heinrich Wernthal, doing business as August Blumenthal, Hamburg, Germany, successor. Portland cement. 60,060; renewed Jan. 29, 1927. Class 12.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 230,796; Aug. 2; Serial No. 245,419; published May 24, 1927. Class 42.

Boardman, William, & Sons Co., The, Hartford, Conn. Cocoa. 230,837; Aug. 2. Class 46.

Borcherdt Malt Extract Company, Chicago, Ill. Malt preparations. 64,467; renewed Aug. 6, 1927. Class 48.

Borcherdt Malt Extract Company, Chicago, Ill. Medicinal malt preparations, plain and medicated malt extracts. 64,481; renewed Aug. 6, 1927. Class 48.

Boston Artificial Leather Company, New York, N. Y., to The Zapon Company, Wilmington, Del., successor. Artificial leather. 66,093; renewed Nov. 12, 1927. Class 50.

Brown, Charles, & Company, Inc., New York, N. Y. Canton silk in the piece. 230,606; Aug. 2; Serial No. 246,884; published May 24, 1927. Class 42.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Phonographs and parts thereof and supplies therefor. 230,779; Aug. 2; Serial No. 245,888; published May 10, 1927. Class 36.

Buck and Rayner, Chicago, Ill. Almond cream, bandoline, benzoin lotion, bath salts, etc. 230,587; Aug. 2; Serial No. 243,412; published May 24, 1927. Class 6.

Bunte Brothers, doing business as Bunte, Chicago, Ill. Candy. 230,605; Aug. 2; Serial No. 246,813; published May 24, 1927. Class 46.

Bark, Louis, Inc., Philadelphia, Pa. Minced pork. 230,808; Aug. 2. Class 46.

Burks, P. L. & Co., Louisville, Ky. Phonographs and phonograph sound boxes. 230,660; Aug. 2; Serial No. 244,217; published May 17, 1927. Class 36.

Cameron-Sprowls Pharmacy Co., Superior, Wis. Preparation for the treatment of the skin, etc. 230,617; Aug. 2; Serial No. 246,589; published May 24, 1927. Class 6.

Canfield, H. O., Company, The, Bridgeport, Conn. Rubber goods. 66,621; renewed Dec. 17, 1927. Class 3.

Carll Canning Co., Gorham, Me. Canned vegetables. 230,601; Aug. 2; Serial No. 246,738; published May 24, 1927. Class 46.

Carpenter, W. D., Co., Inc., Syracuse, N. Y. Insecticides. 230,756; Aug. 2; Serial No. 247,776; published May 24, 1927. Class 6.

Chafo Manufacturing Company, Detroit, Mich. Powders intended for the relief of chafed and tender skins. 230,614; Aug. 2; Serial No. 244,984; published May 17, 1927. Class 6.

Champion Porcelain Company, Detroit, Mich. Pyrometer tubes. 230,639; Aug. 2; Serial No. 230,883; published July 18, 1926. Class 26.

Chandler, W. R., doing business as W. R. Chandler & Sons, Paducah, Ky. Preparations for use in the treatment of ailments of the lungs. 230,734; Aug. 2; Serial No. 247,003; published May 17, 1927. Class 6.

Chase Candy Company, St. Joseph, Mo. Candy. 230,785; Aug. 2; Serial No. 246,015; published May 24, 1927. Class 46.

Chattanooga Boiler & Tank Co., Chattanooga, Tenn. Storage tanks. 230,778; Aug. 2; Serial No. 245,850; published May 24, 1927. Class 2.

Cheva Company. (See York, Chauncey F.)

Chex-O Company, The. (See Jacobs, Henry.)

Chicago Flexible Shaft Company, Chicago, Ill. Electric fatirons. 230,798–800; Aug. 2. Class 21.

Childs, Lysander D., Chester, S. C. Carbonated water. 62,630; renewed May 26, 1927. Class 45.

Cimuckas, Mary, Springfield, Ill. Salve and a medicine for blood poisoning. 230,682; Aug. 2; Serial No. 239,909; published May 24, 1927. Class 6.

Clark Grave Vault Co., Columbus, Ohio. Grave vaults. 230,725; Aug. 2; Serial No. 246,195; published May 24, 1927. Class 2.

Clover Mfg. Co., The. (See Gallaher, Edward B., assignor.)

Collins, Julius G., doing business as Perfect Anti-Freeze Company, Kansas City, Kans. Antifreeze composition. 230,840; Aug. 2. Class 6.

Colonial Bead Co., Inc., New York, N. Y. Pearl necklaces, brooches, etc. 230,648; Aug. 2; Serial No. 236,117; published May 17, 1927. Class 28.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph records, phonograph apparatus, etc. 230,819; Aug. 2. Class 36.

Conley Camera Company, Rochester, Minn. Phonographs, reproducers, tone arms, etc. 230,647; Aug. 2; Serial No. 236,008; published May 3, 1927. Class 36.

Continental Rubber Works, Erie, Pa. Battery containers. 230,826; Aug. 2. Class 21.

Cooke, Daniel N., New York, N. Y. Silk piece goods 230,755; Aug. 2; Serial No. 247,525; published May 24, 1927. Class 42.

Cooper Corp., The, Cincinnati, Ohio. Inner tubes for pneumatic tires. 230,788; Aug. 2; Serial No. 246,081; published May 24, 1927. Class 35.

Co-Quin-Ol Company, The. (See Zink, Edward A.)

Cortright Metal Roofing Company, Philadelphia, Pa. Stamped metal parts used for roofing and wall-covering purposes. 62,452; renewed May 7, 1927. Class 12.

Cortright Metal Roofing Company, Philadelphia, Pa. Stamped metal parts used for roofing and wall-covering purposes. 62,468–9; renewed May 7, 1927. Class 12.

Cortright Metal Roofing Company, Philadelphia, Pa. Stamped metal parts used for roofing and wall-covering purposes. 62,531; renewed May 14, 1927. Class 12.

Davies, Leroy W., doing business as Rex Chemical Co., St. Louis, Mo. Medicinal tablet for the treatment of coughs, colds, la grippe, etc. 230,794; Aug. 2; Serial No. 245,085; published May 17, 1927. Class 6.

Deep Sea Salmon Company, Inc., Seattle, Wash. Canned salmon. 230,664; Aug. 2; Serial No. 244,749; published May 24, 1927. Class 46.

De Haën, E., A.-G., Seelze, near Hanover, Germany. Lubricating oils and lubricating greases. 230,679; Aug. 2; Serial No. 239,295; published Apr. 26, 1927. Class 15.

Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Upright and inverted gas mantles. 230,729; Aug. 2; Serial No. 246,333; published May 24, 1927. Class 34.

Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Gas mantles. 230,777; Aug. 2; Serial No. 245,783; published May 24, 1927. Class 34.

Deutche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung, Berlin, Germany. Upright and inverted gas mantles. 230,780; Aug. 2; Serial No. 246,086; published May 24, 1927. Class 34.

Diamond Tool Co., Seattle, Wash. Wrenches, punches, cold chisels, etc. 230,761; Aug. 2; Serial No. 205,913; published May 24, 1927. Class 23.

Didisheim, Hipp., Co., Inc., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 230,586; Aug. 2; Serial No. 243,152; published Apr. 26, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 230,659; Aug. 2; Serial No. 244,142; published May 17, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 230,665–7; Aug. 2; Serial Nos. 244,751–3; published May 10, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 230,668–9; Aug. 2; Serial Nos. 244,754–5; published May 17, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 230,670; Aug. 2; Serial No. 244,756; published May 10, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts theerof. 230,671; Aug. 2; Serial No. 244,757; published May 17, 1927. Class 27.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 230,672–3; Aug. 2; Serial Nos. 244,759–60; published May 10, 1927. Class 27.

Dueber-Hampden Watch Company, The, Canton, Ohio, Watches. 230,698; Aug. 2; Serial No. 245,086; published May 17, 1927. Class 27.

Duplex Silk Mills, Inc., New York, N. Y. Heavy silk crepe in the piece. 230,653; Aug. 2; Serial No. 237,018; published May 24, 1927. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Fungicide, seed disinfectant. 230,623; Aug. 2; Serial No. 246,674; published May 24, 1927. Class 6.

Durls, Edward T., Granville Center, Mass. Whooping-cough compound. 230,735; Aug. 2; Serial No. 247,007; published May 17, 1927. Class 6.

Durst Milling Co., The, Dayton, Ohio. Wheat flour. 230,814; Aug. 2. Class 46.

Duryea, Nina L., New York, N. Y. Fabric of piece goods. 230,600; Aug. 2; Serial No. 246,675; published May 24, 1927. Class 42.

Eberhard Faber, New York, N. Y., assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers. 66,576; renewed Dec. 10, 1927. Class 37.

Edgarton, C. A., Manufacturing Company, The, assignor to President Suspender Company, Shirley, Mass. Suspenders. 65,921; renewed Oct. 29, 1927. Class 39.

Eisen, L., & Co., Inc., Yonkers, N. Y. Cod-liver oil and mineral oil for medicinal use. 230,790; Aug. 2; Serial No. 246,088; published May 17, 1927. Class 6.

Elco Paint Products, Inc., New York, N. Y. Paint. 230,708; Aug. 2; Serial No. 245,480; published May 17, 1927. Class 16.

Electric Motor & Repair Co., Newark, N. J. Storage bat teries. 230,835; Aug. 2. Class 21.

Emerald Supply Co. (See Roupe, Josephine S.)

Enamel Products Company, The, Cleveland, Ohio. Metal braces for furniture. 230,786; Aug. 2; Serial No. 246,019; published May 24, 1927. Class 13.

Esbborn, Samuel, New York, N. Y. Phonograph reproducers. 230,695; Aug. 2; Serial No. 241,992; published May 3, 1927. Class 36.

Esmond Mills, The, Esmond, Smithfield, R. I. Cotton piece goods. 230,746; Aug. 2; Serial No. 247,174; published May 24, 1927. Class 42.

Ethridge, A., & Co., Rome, N. Y., to Austin, Nichols & Co. Inc., Brooklyn, N. Y., successor. Tea. 64,283; renewed July 30, 1927. Class 46.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Antiknock compounds for motor fuel. 230,628; Aug. 2; Serial No. 247,365; published May 24, 1927. Class 6.

Etna Watch Company, New York, N. Y. Clocks and watches. 230,687; Aug. 2; Serial No. 241,270; published Apr. 26, 1927. Class 27.

Eubien Pure Food Products Company. (See McClintock, George W.)

Everett Fruit Products Company, Everett, Mass. Canned fruits. 230,758; Aug. 2; Serial No. 185,863; published Jan. 6, 1925. Class 46.

Farmers Manufacturing Company, Norfolk, Va. Fruit and vegetable wooden packages and parts thereof. 230,609; Aug. 2; Serial No. 246,893; published May 24, 1927. Class 2.

Fehsenfeld, Arthur L., Baltimore, Md. Rubbing liniments. 230,694; Aug. 2; Serial No. 241,877; published May 17, 1927. Class 6.

Fidalgo Sales Corporation, Bellingham, Wash. Shredded sulphite. 230,690; Aug. 2; Serial No. 241,404; published May 17, 1927. Class 6.

Fischer, Carl, Inc., New York, N. Y. Violins, chin rests, strings, mutes, etc. 230,688; Aug. 2; Serial No. 241,273; published May 3, 1927. Class 36.

Fitz Patrick, A. L., Philadelphia, Pa. Live cows. 230,597; Aug. 2; Serial No. 246,605; published May 24, 1927. Class 46.

Fitz Patrick, A. L., Philadelphia, Pa. Live cows. 230,656; Aug. 2; Serial No. 237,732; published May 24, 1927. Class 46.

Foster-Armstrong Company, East Rochester, N. Y. Pianos and player pianos. 230,809–10; Aug. 2. Class 36.

Franck, Marcel, Inc., New York, N. Y. Atomizers for perfume and the like. 230,784; Aug. 2; Serial No. 245,978; published May 17, 1927. Class 44.

Franklin, H. H., Manufacturing Company, Syracuse, N. Y. Automobiles. 230,768; Aug. 2; Serial No. 222,023; published May 24, 1927. Class 19.

Gagan, George C., Mount Vernon, N. Y. Bleaching compound. 230,621; Aug. 2; Serial No. 246,343; published May 24, 1927. Class 6.

Gallaher, Edward B., New York, N. Y., assignor to The Clover Mfg. Co., Norwalk, Conn. Metal polish. 65,094; renewed Sept. 10, 1927. Class 4.

Gardiner Hall Jr. Company, The, South Willington, Conn., and New York, N. Y. Thread. 230,747; Aug. 2; Serial No. 247,185; published May 24, 1927. Class 43.

Gardner, Henry, Guiterman & Co., Inc., New York, N. Y. Nonferrous metals. 230,650; Aug. 2; Serial No. 236,548; published Mar. 29, 1927. Class 14.

Gaah-Stull Company, Chester, Pa. Pneumatic tires, rubber belting, and canvas belting. 230,606; Aug. 2; Serial No. 246,828; published May 24, 1927. Class 35.

General Electric Company, Schenectady, N. Y. Maximum-temperature indicators for transformers. 230,643; Aug. 2; Serial No. 235,734; published May 24, 1927. Class 26.

General Typewriter Exchange, New York, N. Y. Typewriters. 230,716; Aug. 2; Serial No. 245,705; published May 24, 1927. Class 23.

Gerré, Inc., New York, N. Y. Face powders, face creams, face packs, toilet waters, rouges, etc. 230,626; Aug. 2; Serial No. 247,181; published May 24, 1927. Class 6.

Goldman Jewelry & Optical Co., St. Louis, Mo. Watches. 230,773; Aug. 2; Serial No. 245,709; published May 17, 1927. Class 27.

Goldschmidt, Th., Essen-on-the-Ruhr, Germany, assignor to Goldschmidt Thermit Company, New York, N. Y. Metals and alloys. 66,044; renewed Nov. 5, 1927. Class 14.

Goodyear Rubber Company, New York, N. Y. Rubber boots and shoes. 63,493; renewed June 25, 1927. Class 39.

Grand Silver Company. (See Kostrinsky, Abraham.)

Greenwald, Max S., New York, N. Y. Watches, clocks, watch movements, etc. 230,699; Aug. 2; Serial No. 245,092; published May 3, 1927. Class 27.

Griffin, Wayne M., Manchester, N. H. Mouth-operated musical wind instruments of the reed type. 230,676; Aug. 2; Serial No. 244,929; published May 10, 1927. Class 36.

Grossmith, John L., assignor to J. Grossmith & Son, Limited, London, England. Perfumes. 65,630; renewed Oct. 15, 1927. Class 6.

Guerlain, Marcel, Suresnes, Paris, France, assignor to Marcel Guerlain, Inc. Perfumes, cologne, beauty cream, and skin lotions. 230,683; Aug. 2; Serial No. 240,025; published May 17, 1927. Class 6.

Guthrie & Co., Limited, Singapore, Straits Settlements, and London, England. Fresh fish, canned fish, cheese, rice, etc. 230,689; Aug. 2; Serial No. 241,279; published May 3, 1927. Class 46.

Hancock, John, Oil Co., Minneapolis, Minn. Gasoline, motor oil, and cup grease, etc. 230,641; Aug. 2; Serial No. 231,540; published Apr. 26, 1927. Class 15.

Harrington, Betty, New York, N. Y. Beauty creams, perfumes, and hair tonics. 230,713; Aug. 2; Serial No. 245,536; published May 17, 1927. Class 6.

Harris, Leonard A., doing business as Rotax Manufacturing Co., Newark, N. J. Screws, washers, rivets, etc. 230,674; Aug. 2; Serial No. 244,864; published May 24, 1927. Class 13.

Heinrich Mattoni Aktiengesellschaft, Carlsbad, Austria-Hungary, and New York, N. Y., to Heinrich Mattoni Aktiengesellschaft, Carlsbad, Czechoslovakia, and New York, N. Y. Mineral water. 62,692; renewed May 21, 1927. Class 45.

Hemco Electric Manufacturing Company, Inc., doing business as George Richards & Co., Long Island City, N. Y., and Chicago, Ill. Electrical apparatus. 230,827; Aug. 2. Class 21.

Herington Oil Company, Herington, Kans. Lubricating and fuel oils, gasoline, and kerosene. 230,730; Aug. 2; Serial No. 246,346; published May 17, 1927. Class 15.

Hewlett Bros. Company, Salt Lake City, Utah. Jams, jellies, and crushed fruits. 230,774; Aug. 2; Serial No. 245,715; published May 24, 1927. Class 46.

Hillcrest Drug Company. (See Perdue, Thomas P.)

Hodge, William H., Holder, Fla. Medicine compound for treating sores and skin diseases. 230,622; Aug. 2; Serial No. 246,406; published May 24, 1927. Class 6.

Hogan, John M., doing business as Sendol Company, Kansas City, Mo. Medicinal preparation. 230,663; Aug. 2; Serial No. 244,696; published May 17, 1927. Class 6.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 230,711; Aug. 2; Serial No. 245,717; published May 10, 1927. Class 36.

Holbrook Grocery Co., The, Keene, Woodsville, and Nashua, N. H., and St. Johnsbury, Vt., assignor to The Holbrook Grocery Co., Keene, N. H. Canned goods. 66,683; renewed Dec. 24, 1927. Class 46.

Holbrook Grocery Co., The, Keene, Woodsville, and Nashua, N. H., and St. Johnsbury, Vt., assignor to Holbrook Grocery Co., Keene, N. H. Canned sea foods. 66,684; renewed Dec. 24, 1927. Class 46.

Holland-Wirt Company, Laramie, Wyo. Apparatus for renovating gasoline for use in dry-cleaning systems. 230,686; Aug. 2; Serial No. 241,159; published May 24, 1927. Class 24.

Horn Surgical Company, Philadelphia, Pa. Elastic hosiery. 230,839; Aug. 2. Class 44.

Howell Drug Company, Silver City, N. Mex. Facial cream. 230,578–9; Aug. 2; Serial Nos. 242,724–5; published May 17, 1927. Class 6.

Hudnut, Richard, New York, N. Y. Perfume. 230,742; Aug. 2; Serial No. 247,130; published May 17, 1927. Class 6.

Hurd, George B., & Co., assignor to Geo. B. Hurd & Co. Inc. New York, N. Y. Writing paper and envelopes. 63,709; renewed July 2, 1927. Class 37.

Hutchison Medicine Co., Queen City, to Hutchison Medicine Co., Texarkana, Tex., successor. Preparation for the cure of chills and fever. 60,390; renewed Feb. 5, 1927. Class 6.

Illinois Pure Aluminum Co., Lemont, Ill. Kitchen cooking utensils made of aluminum. 230,828; Aug. 2. Class 13.

Italy Laboratories. (See Martino, Antonino R.)

Iwata, K. C., doing business as K. C. Iwata Co., Brawley, Calif. Cantaloupes, tomatoes, lettuce, etc. 230,772; Aug. 2; Serial No. 227,650; published May 3, 1927. Class 46.

Jacobs, Henry, doing business as The Chex-O Company, Miami, Fla. Disinfectants, drain solvents, insect destroyers, etc. 230,640; Aug. 2; Serial No. 231,107; published Oct. 19, 1926. Class 6.

Jend Drug Company. (See Segal, Nathaniel J.)

Jenkin-Guerin Oil Company, St. Louis, Mo. Lubricating oils and greases. 230,714; Aug. 2; Serial No. 245,560; published May 3, 1927. Class 15.

Jentleson & Kaplan, New York, N. Y. Watches. 230,775; Aug. 2; Serial No. 245,719; published May 3, 1927. Class 27.

Johnson, Charles J., doing business as Johnson Manufacturing Company, Chicago, Ill. Soldering fluid. 230,731; Aug. 2; Serial No. 246,412; published May 17, 1927. Class 6.

Johnson, S. C., & Son, Racine, Wis. Oil and spirit stains, varnish stain, varnish, etc. 230,757; Aug. 2; Serial No. 182,100; published Sept. 25, 1923. Class 16.

Johnson, Waldo P., Paris, Tex. Puncture-proof compound for pneumatic tires. 230,842; Aug. 2. Class 5.

Johnston, Robert A., Co., Milwaukee, Wis. Cookies. 230,692; Aug. 2; Serial No. 241,726; published Feb. 15, 1927. Class 46.

Johnston, Robert A., Co., Milwaukee, Wis. Cookies. 230,693; Aug. 2; Serial No. 241,728; published Feb. 15, 1927. Class 46.

Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 230,635; Aug. 2; Serial No. 228,192; published Apr. 12, 1927. Class 9.

Juanita Products Company, The. (See Payne, William C.)

Kalon Products Company, Kansas City, Mo. Combined germicide, insecticide, soil builder and plant food for lawns, etc. 230,703; Aug. 2; Serial No. 245,273; published May 24, 1927. Class 10.

Karnes, E. L., doing business as The Puritol Company, Kansas City, Mo. Salt. 230,651; Aug. 2; Serial No. 236,553; published May 17, 1927. Class 6.

Keller, Bert D., San Francisco, Calif. Radio receiving sets and parts. 230,823; Aug. 2. Class 21.

Kemic Powder Co., Seattle, Wash. Dentifrices. 230,610; Aug. 2; Serial No. 246,961; published May 17, 1927. Class 6.

Kenlit Mfg. Co., Medford, Mass. Luncheon sets, tray cloths, tablecloths, and silence cloths. 230,649; Aug. 2; Serial No. 236,169; published May 24, 1927. Class 42.

Kindling, Louis, Co., Milwaukee, Wis. Cigars. 66,710; renewed Dec. 24, 1927. Class 17.

King, Robert P., Ellsworth, Me. Fuel economizer for heating plants. 230,595; Aug. 2; Serial No. 246,483; published May 24, 1927. Class 34.

Kleinert, I. B., Rubber Company, New York, N. Y. Lap rugs of combination of cotton, wool, and rubber. 230,797; Aug. 2; Serial No. 245,498; published May 24, 1927. Class 42.

Kline, Gertrude, Allentown, Pa. Weighing hammocks. 230,738; Aug. 2; Serial No. 247,088; published May 24, 1927. Class 26.

Klorex, Inc., Indianapolis, Ind. Inhalant medication in paste or semiliquid form. 230,615; Aug. 2; Serial No. 245,349; published May 24, 1927. Class 6

Ko-Cin-Ko Company, The, Oklahoma City, Okla. Tooth paste. 230,575; Aug. 2; Serial No. 242,300; published May 24, 1927. Class 6.

Koehler, Harry N., Brawley, Calif. Fresh citrous and deciduous fruits. 230,753; Aug. 2; Serial No. 247,482; published May 24, 1927. Class 46.

Koken Companies, St. Louis, Mo. Liquid cooling hair rub, hair fixative preparation, and a preparation for removing dandruff. 230,720; Aug. 2; Serial No. 246,096; published May 17, 1927. Class 6.

Kostrinsky, Abraham, doing business as Grand Silver Company and Grand Metal Spinning Company, New York, N. Y. Confectioners' and restaurants' silverware. 230,681; Aug. 2; Serial No. 239,938; published Feb. 1, 1927. Class 28.

Kress, S. H., & Co., New York, N. Y. Candies. 230,803; Aug. 2. Class 46.

Kuhlmann, John C., Wichita, Kans. Wheat and corn flour. 230,831; Aug. 2. Class 46.

La Belle Iron Works, Steubenville, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sheet metal and piping. 65,860; renewed Sept. 24, 1927. Class 13.

Laboratories Jaq Incorporated, New York, N. Y., assignor to The Sydney Ross Company, Newark, N. J. Medicinal tablets. 230,634; Aug. 2; Serial No. 245,148; published Apr. 26, 1927. Class 6.

Lever Brothers Company, Portland, Me., and Cambridge, Mass. Soap. 66,442; renewed Nov. 26, 1927. Class 4.

Levering Coffee Co., assignor to The Levering Coffee Company, Baltimore, Md. Coffee. 50,048; renewed Feb. 27, 1926. Class 46.

Levering Coffee Co., assignor to The Levering Coffee Company, Baltimore, Md. Coffee. 65,830; renewed Oct. 22, 1927. Class 46.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Toilet soap. 230,829; Aug. 2. Class 4.

Logan Company, Louisville, Ky. Power conveyers, machinery guards, wrenches, etc. 230,764; Aug. 2; Serial No. 215,803; published Sept. 28, 1926. Class 23.

Looboyle Refining Company, Tulsa, Okla., and Joplin, Mo. Gasoline and lubricating oils. 230,700; Aug. 2; Serial No. 245,100; published May 10, 1927. Class 15.

Lorenz, Jacob, St. Louis, Mo. Medicine for gonorrhea. 230,616; Aug. 2; Serial No. 245,568; published May 24, 1927. Class 6.

Lucati, Alfredo, New York, N. Y. Liquid bleach for washing clothes. 230,596; Aug. 2; Serial No. 246,487; published May 17, 1927. Class 6.

Lytle, Bert O., doing business as Vitalite Medicine Company, Green Bay, Wis. Tonic laxative and alterative. 230,611; Aug. 2; Serial No. 246,965; published May 17, 1927. Class 6.

Maher, George O., Baton Rouge, La. Radio apparatus. 230,805; Aug. 2. Class 21.

Majestic Silk Mills, Inc., New York, N. Y. Silk piece goods. 230,751; Aug. 2; Serial No. 247,337; published May 24, 1927. Class 42.

Martinez, Julio U., San Antonio, Tex. Ferruginous tonic and hæmoglobin base for anæmia, convelescing chlorosis, etc. 230,580; Aug. 2; Serial No. 242,732; published May 17, 1927. Class 6.

Martino, Antonino R., doing business as Italy Laboratories, New York, N. Y. Medicinal preparation for the treatment of hemorrhoids and piles. 230,629; Aug. 2; Serial No. 247,378; published May 24, 1927. Class 6.
Masury-Young Company, Charlestown, Mass. Lubricating grease. 230,767; Aug. 2; Serial No. 221,753; published Apr. 26, 1927. Class 15.
Maté, Inc., Philadelphia, Pa. Face powders, face creams, face packs, toilet waters, rouges, etc. 230,612; Aug. 2; Serial No. 246,969; published May 17, 1927. Class 6.
McClaran, Joe T., doing business as Sunshine Hatcheries, Corydon, Ind. Baby chicks. 230,763; Aug. 2; Serial No. 214,606; published July 6, 1926. Class 46.
McClintock, George W., doing business as Eublen Pure Food Products Company, Cincinnati, Ohio. Coffee mixture. 230,791; Aug. 2; Serial No. 246,105; published May 24, 1927. Class 46.
McKee, W. C., Columbus, Ga. Insecticides and rodenticides. 230,630; Aug. 2; Serial No. 247,440; published May 24, 1927. Class 6.
Merchants Fertilizer & Phosphate Company, Charleston, S. C. Fertilizer. 230,685; Aug. 2; Serial No. 240,871; published May 24, 1927. Class 10.
Merrill, Patterson D., Chicago, Ill. Shortening mixer. 230,743; Aug. 2; Serial No. 247,138; published May 24, 1927. Class 23.
Messingwerk Schwerzwald Aktiengesellschaft, Villingen, Germany. Watches and parts thereof. 230,762; Aug. 2; Serial No. 211,368; published Apr. 26, 1927. Class 27.
Meyer, Louis, Co., Brooklyn, N. Y. Dried and prepared codfish and pure pork sausages. 230,815; Aug. 2. Class 46.
Meyer, Louis, Co., Brooklyn, N. Y. Sliced bacon. 230,816; Aug. 2. Class 46.
Meyer, Louis, Co., Brooklyn, N. Y. Boiled ham. 230,817; Aug. 2. Class 46.
Milton Piano Company, New York, N. Y. Pianos. 230,792; Aug. 2; Serial No. 246,107; published May 10, 1927. Class 36.
Mission Citrus Association, Redlands, Calif. Citrous fruits. 230,754; Aug. 2; Serial No. 247,485; published May 24, 1927. Class 46.
Mothproof Rug Bag Company, Savannah, Ga. Rug bags. 230,732; Aug. 2; Serial No. 246,426; published May 24, 1927. Class 2.
Napier Co., The, Meriden, Conn. Vanity boxes. 230,802; Aug. 2. Class 28.
National Oil Products Company, Harrison, N. J. Cod-liver oils. 230,662; Aug. 2; Serial No. 244,813; published May 17, 1927. Class 6.
Navie Chemical Co., San Francisco, Calif. Castor-oil emulsion. 230,748; Aug. 2; Serial No. 247,201; published May 24, 1927. Class 6.
New Orleans Coffee Company, Ltd., New Orleans, La. Cane sirup. 230,838; Aug. 2. Class 46.
New York Canners, Inc. (See Olney, Burt., Canning Co., The, assignor.)
Nichols, B. L., & Co. Inc., New York, N. Y. Dusters, heaters, and coolers and parts thereof for printing and enameling machines. 230,744; Aug. 2; Serial No. 247,140; published May 24, 1927. Class 23.
Northern Iowa Oil Co., Cresco, Iowa. Gasoline. 230,581; Aug. 2; Serial No. 242,737; published Apr. 26, 1927. Class 15.
Ohlendorf, Clarence, Chicago, Ill. Medicinal preparation. 230,589; Aug. 2; Serial No. 243,772; published May 17, 1927. Class 6.
Olney, Burt, Canning Co., The, Oneida and Albion, N. Y., assignor to New York Canners, Inc., Rochester, N. Y. Canned fruits and vegetables. 65,905; renewed Oct. 29, 1927. Class 46.
Olney, Burt, Canning Co., The, Oneida and Albion, N. Y., assignor to New York Canners, Inc., Rochester, N. Y. Canned fruits and vegetables except canned corn. 66,283; renewed Nov. 19, 1927. Class 46.
Orchard & Wilhelm Carpet Co., to Orchard & Wilhelm Company, Omaha, Nebr., successor. Furniture polish. 65,598; renewed Oct. 8, 1927. Class 16.
Orchard & Wilhelm Carpet Co., to Orchard & Wilhelm Company, Omaha, Nebr., successor. Furniture polish. 65,727; renewed Oct. 22, 1927. Class 16.
Page, Ethel M., Northampton, Mass. Lubricating oils. 230,680; Aug. 2; Serial No. 239,542; published May 3, 1927. Class 15.
Palais Royal, Inc., The, Washington, D. C. Artificial rubies and sapphires, etc. 230,658; Aug. 2; Serial No. 244,096; published May 10, 1927. Class 28.
Panhandle Refining Company, Wichita Falls, Tex. Petroleum products. 230,770; Aug. 2; Serial No. 223,137; published Apr. 26, 1927. Class 15.
Paper Novelty Company, The, Green Bay, Wis. Sanitary napkins. 230,736; Aug. 2; Serial No. 247,037; published May 17, 1924. Class 44.
Paramount Knitting Company, assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 66,525; renewed Dec. 10, 1927. Class 39.
Parfums Edouardo, a Corporation, New York, N. Y. Perfumes. 230,633; Aug. 2; Serial No. 247,634; published May 24, 1927. Class 6.
Paris Medicine Co., St. Louis, Mo. Preparation for the treatment of malarial diseases. 230,787; Aug. 2; Serial No. 246,047; published May 17, 1927. Class 6.
Parker Rust-Proof Company, Detroit, Mich. Liquid coating composition in the nature of a chemical for rust-proofing material. 230,654; Aug. 2; Serial No. 237,130; published May 17, 1927. Class 6.
Parkin, William M., doing business as William M. Parkin & Company, Pittsburgh, Pa. Pickling compounds for cleaning steel or metal. 230,709; Aug. 2; Serial No. 245,513; published May 17, 1927. Class 6.
Payne, William C., doing business as The Juanita Products Company, Burbank, Calif. Compounds for leaky radiators. 230,712; Aug. 2; Serial No. 245,514; published May 17, 1927. Class 6.
Peacock Ale Co., Chicago, Ill. Ginger ale, carbonated water, and root beer. 230,642; Aug. 2; Serial No. 234,781; published Apr. 19, 1927. Class 45.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Shoulder-strap ribbon. 230,613; Aug. 2; Serial No. 246,981; published May 24, 1927. Class 42.
Perdue, Thomas P., doing business as Hillcrest Drug Company, Sarasota, Fla. Insecticide. 230,607; Aug. 2; Serial No. 246,847; published May 10, 1927. Class 6.
Perfect Anti-Freeze Company. (See Collins, Julius G.)
Phila. Scoop & Scale Mfg. Co., Philadelphia, Pa. Butchers' scales. 230,818; Aug. 2. Class 26.
Philadelphia Shovel Co., Philadelphia, Pa. Scoops and shovels. 230,836; Aug. 2. Class 23.
Picken Mills, Pickens, S. C. Cotton sheetings and drills. 230,841; Aug. 2; Class 42.
Pompeian Mfg. Co., The, assignor to The Pompeian Mfg. Co., Cleveland, Ohio. Pharmaceutical preparations. 66,109; renewed Nov. 12, 1927. Class 6.
Poudreries Reunis de Belgique Societe Anonyme. (See Société Anonyme des Explosifs de Clermont Muller & Cie.)
President Lubricating Oil Co. (See Sullivan, Patrick B.)
President Suspender Company. (See Edgarton, C. A., Manufacturing Company, The, assignor.)
Primrose Petroleum Company, Dallas, Tex. Gasoline, kerosene, and lubricating oils. 230,793; Aug. 2; Serial No. 246,119; published May 3, 1927. Class 15.
Progress Technical Company. (See Astrom, John.)
Puritol Company, The. (See Karnes, E. L.)
Puyallup & Sumner Fruit Growers Association, Puyallup, Wash. Canned vegetables and fresh vegetables. 230,602; Aug. 2; Serial No. 246,770; published May 24, 1927. Class 46.
Queen City Bottling Company, The, Cincinnati, Ohio. Ginger ale. 230,766; Aug. 2; Serial No. 219,910; published Apr. 27, 1926. Class 45.
Renu-A-Fuse Company, Kansas City, Mo. Fuse plugs. 230,822; Aug. 2. Class 21.
Rex Chemical Co. (See Davies, Leroy W.)
Rhoads, J. E., & Sons, Philadelphia, Pa. Woven fabric belts. 230,737; Aug. 2; Serial No. 247,041; published May 24, 1927. Class 35.
Richards, George, & Co. (See Homco Electric Manufacturing Company.)
Ross, Sydney, Company, The. (See Laboratories Jaq Incorporated.)
Rotax Manufacturing Co. (See Harris, Leonard A.)
Roupe, Josephine S., doing business as Emerald Supply Co., Los Angeles, Calif. Healing ointment. 230,661; Aug. 2; Serial No. 244,243; published May 17, 1927. Class 6.
Rubyette Co., The, San Francisco, Calif. Preserved and canned raisins and grapes. 230,706; Aug. 2; Serial No. 245,374; published May 24, 1927. Class 46.
Samstag & Hilder Bros., Inc., New York, N. Y. Sanitary articles of wearing apparel. 230,838; Aug. 2; Class 44.
Sani Paper Products Co., Inc., Philadelphia, Pa. Fiber baking receptacles. 230,723; Aug. 2; Serial No. 246,181; published May 24, 1927. Class 2.
Saphes Incorporated, New York, N. Y. Cold cream, skin tonic, muscle oil, rouge, etc. 230,582; Aug. 2; Serial No. 242,803; published May 17, 1927. Class 6.
Sarco Fuel Saving & Engineering Co., to Sarco Company, Inc., New York, N. Y., successor. Measuring instruments. 63,202; renewed June 11, 1927. Class 26.
Schantz, Joseph, doing business as T. U. T. Mfg. Co., Newark, N. J. Medicinal preparation. 230,627; Aug. 2; Serial No. 247,215; published May 24, 1927. Class 6.
Schoenborn, Clarence E., Buffalo, N. Y. Gas-burning heating apparatus. 230,715; Aug. 2; Serial No. 245,585; published May 24, 1927. Class 34.
Schwannecke, Frederick, doing business as F. A. Schwannecke Co., New Rochelle, N. Y. Face, talcum, tooth, nail, etc., powders. 230,598; Aug. 2; Serial No. 246,037; published May 17, 1927. Class 6.
Schwartz, J., Music Co. Inc., New York, N. Y. Musical instrument accessories. 230,812; Aug. 2. Class 36.
Seacoast Canning Company, Eastport, Me. Canned fish. 230,765; Aug. 2; Serial No. 219,770; published Mar. 8, 1927. Class 46.
Segal, Nathaniel J., doing business as Jend Drug Company, Baltimore, Md. Cough medicine, medicine for colds, influenza, etc. 230,675; Aug. 2; Serial No. 244,890; published May 17, 1927. Class 6.
Semon Bache & Company, New York, N. Y. Sheet glass, window glass, and plate glass. 230,607; Aug. 2; Serial No. 245,520; published May 24, 1927. Class 33.
Sendol Company. (See Hogan, John M.)
Shaffer Oil & Refining Company, Chicago, Ill. Gasoline and motor oils. 230,820; Aug. 2. Class 15.

Silica Gel Products Corporation, The, Baltimore, Md. Toilet powder. 230,618–20; Aug. 2; Serial Nos. 245,930–2; published May 24, 1927. Class 6.
Simmons, R. F., Company, Attleboro, Mass. Watch chains. 230,704; Aug. 2; Serial No. 245,304; published May 17, 1927. Class 28.
Simon, R. & H., Company, Union City, N. J. Satin piece goods. 230,721; Aug. 2; Serial No. 246,128; published May 24, 1927. Class 42.
Société Anonyme des Explosifs de Clermont Muller & Cie., Liege, Belgium, to Poudreries Reunis de Belgique Societe Anonyme, Bruxelles, Societe Anoayme, Joi Societe Anonyme, Bruxelles, Belgium, successor. Gunpowder. 64,533; renewed Aug. 13, 1927. Class 9.
Spear and Morgan Manufacturing Company, Waycross, Ga. Liquid laxative. 230,749; Aug. 2; Serial No. 247,223; published May 17, 1927. Class 6.
Specialty Products Co., New York, N. Y. Lubricating oils. 230,701; Aug. 2; Serial No. 245,115; published May 3, 1927. Class 15.
Stadlmair, Henry, Co., Inc., New York, N. Y. Strings for musical instruments. 230,728; Aug. 2; Serial No. 246,281; published May 10, 1927. Class 36.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 230,780; Aug. 2; Serial No. 245,934; published May 10, 1927. Class 15.
Starr Piano Company, The, Richmond, Ind. Phonograph records. 230,710; Aug. 2; Serial No. 245,591; published May 10, 1927. Class 36.
Stearns, Frederick, & Company, Detroit, Mich. Wine of cod-liver oil. 230,717; Aug. 2; Serial No. 238,408; published May 24, 1927. Class 6.
Stewart Battery Co., Chicago, Ill. Electric power current supply devices for radio receiving sets, etc. 230,821; Aug. 2. Class 21.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 230,599; Aug. 2; Serial No. 246,644; published May 24, 1927. Class 42.
Strawbridge & Clothier, assignor to Strawbridge & Clothier, Philadelphia, Pa. Dress fabrics composed of worsted or cotton and worsted and cotton. 66,481; renewed Dec. 3, 1927. Class 42.
Strickler, David E., Latrobe, Pa. General tonic. 230,632; Aug. 2; Serial No. 247,578; published May 24, 1927. Class 6.
Studebaker Corporation, The, South Bend, Ind. Automobiles. 230,726–7; Aug. 2; Serial Nos. 246,237–8; published May 24, 1927. Class 19.
Sullivan, Patrick B., doing business as President Lubricating Oil Co., Devils Lake, N. Dak. Lubricating oils. 230,781; Aug. 2; Serial No. 245,935; published May 10, 1927. Class 15.
Sunshine Hatcheries. (See McClaran, Joe T.)
Superior Steel Bed Co. Inc., Brooklyn, N. Y. Brass and iron beds. 230,782; Aug. 2; Serial No. 245,936; published May 24, 1927. Class 32.
T. U. T. Mfg. Co. (See Schantz, Joseph.)
Taki, Kichitaro, North Bergen, N. J. Candy laxative. 230,718; Aug. 2; Serial No. 245,761; published May 17, 1927. Class 6.
Thonet-Wanner Company, New York, N. Y. Furniture. 230,583; Aug. 2; Serial No. 242,865; published May 24, 1927. Class 32.
Tomlinson, Alfred E., doing business as Tomlinson Steam Specialty Company, Cleveland, Ohio. Faucets. 230,832; Aug. 2. Class 13.
Tullis, Mary E., Birmingham, Ala. Hair grower, hair tonic, face cream, and face lotion. 230,576; Aug. 2; Serial No. 242,319; published May 24, 1927. Class 6.
Twitchell-Champlin Company, The, Portland, Me., and Boston, Mass. Medicinal preparations for neuralgia, headache, rheumatism, colds, etc. 230,591; Aug. 2; Serial No. 248,984; published May 24, 1927. Class 6.
Underwood Battery Company, The, Cleveland, Ohio. Dry-cell radio A Batteries, etc. 230,807; Aug. 2. Class 21.
United Hardware & Tool Corporation, New York, N. Y. Carpenters' braces and chucks. 230,739; Aug. 2; Serial No. 247,107; published May 24, 1927. Class 23.
U. S. Aseptic Supply Service, Inc., The, New York, N. Y. Absorbent cotton, absorbent gauze, and sanitary napkins. 230,655; Aug. 2; Serial No. 237,426; published May 17, 1927. Class 44.
United States Gutta Percha Paint Company, Providence, R. I. Paints. 230,771; Aug 2; Serial No. 227,376; published May 17, 1927. Class 16.
United States Hoffman Machinery Corporation, The, New York, N. Y. Garment presses. 230,637; Aug. 2; Serial No. 229,530; published May 24, 1927. Class 24.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Jar rings. 230,588; Aug. 2; Serial No. 243,730; published May 24, 1927. Class 35.
Valley City Coffee and Spice Mills, Lee & Cady, Owners, Saginaw, Mich. Coffee. 230,636; Aug. 2; Serial No. 228,718; published May 24, 1927. Class 46.
Van Camp, Gilbert C., San Pedro, Calif. Fresh, smoked, and salted fish. 230,834; Aug. 2. Class 46.
Vancouver Sheet Metal & Furnace Works, Vancouver, Wash. Heating furnaces. 230,585; Aug. 2; Serial No. 242,972; published May 24, 1927. Class 34.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Mineral oil used as an insulating medium in electric apparatus. 230,577; Aug. 2; Serial No. 242,368; published May 10, 1927. Class 15.
Van Dyne, Henry B., doing business Van Dyne Oil Company, Troy, Pa. Gasoline, kerosene, motor oils, and greases. 230,593; Aug. 2; Serial No. 244,036; published May 10, 1927. Class 15.
Vincennes Phonograph Company, Vincennes, Ind. Phonographs and talking machines. 230,804; Aug. 2. Class 36.
Vitalite Medicine Company. (See Lytle, Bert O.)
Vivaudu, V., Inc., New York, N. Y. Face powder and creams, perfumes, etc. 230,760; Aug. 2; Serial No. 203,354; published Nov. 18, 1924. Class 6.
Volkwein Bros., Pittsburgh, Pa. Violins, guitars, mandolins, etc. 230,825; Aug. 2. Class 36.
Waltham Watch Company, Waltham, Mass. Watches and parts thereof. 230,678; Aug. 2; Serial No. 238,929; published May 10, 1927. Class 27.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Perfumes. 230,759; Aug. 2; Serial No. 187,235; published Jan. 8, 1924. Class 6.
Webster, William A., Company, The, Memphis, Tenn. Face powders, creams, and packs, toilet waters, etc. 230,590; Aug. 2; Serial No. 243,900; published May 17, 1927. Class 6.
Weeks & Winter, Pawlet, Vt. Chemical compound for electric storage batteries. 230,745; Aug. 2; Serial No. 247,152; published May 17, 1927. Class 6.
Weisman, S., Co., Inc., New York, N. Y. Watches, watch movements, and parts of the same. 230,584; Aug. 2; Serial No. 242,933; published Apr. 26, 1927. Class 27.
Wernthal, Heinrich. (See Blumenthal, August.)
Wester Bros., New York, N. Y. Razors. 230,740; Aug. 2; Serial No. 247,109; published May 24, 1927. Class 23.
Wheeling Steel Corporation. (See La Belle Iron Works, assignor.)
White Star Refining Co. of Delaware, Detroit, Mich. Gasoline. 230,776; Aug. 2; Serial No. 245,771; published May 3, 1927. Class 15.
Willhelm Oil Company, St. Paul, Minn. Diluting oil for lubricants. 230,707; Aug. 2; Serial No. 245,387; published May 17, 1927. Class 15.
Willis, Charles E., New York, N. Y. Picture-frame-holding pins. 230,724; Aug. 2; Serial No. 246,189; published May 24, 1927. Class 13.
Wills, Leon C., doing business as Baldwin-Haggard Company, Philadelphia, Pa. Medicinal anodyne and sedative tablet. 230,801; Aug. 2. Class 6.
Wisconsin Knife Works, Inc., Clinton, Wis. Cutter heads for woodworking machinery. 230,783; Aug. 2; Serial No. 245,946; published May 24, 1927. Class 28.
Wojciechowski, Alexander, Norwich, Conn. Palliative for headache and rheumatism, burns, pimples, etc. 230,795; Aug. 2; Serial No. 245,177; published May 17, 1927. Class 6.
Woolson, Jacob M., Pittsburgh, Pa. Pencils, penholders, pen points, fountain pens. 230,811; Aug. 2. Class 37.
York, Chauncey F., doing business as Cheva Company, Detroit, Mich. Powder for exterminating rats and mice. 230,750; Aug. 2; Serial No. 247,238; published May 17, 1927. Class 6.
Young Laboratories, The, Bay City, Mich. Antifouling compound. 230,624; Aug. 2; Serial No. 246,871; published May 24, 1927. Class 6.
Zapon Company, The. (See Boston Artificial Leather Company.)
Zink, Edward A., doing business as The Co-Quin-Ol Company, New York, N. Y. Shampoo and corrective for dandruff. 230,638; Aug. 2; Serial No. 229,997; published May 17, 1927. Class 6.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Aetna Sales Co. (See Mewshaw, J. C.)
Arnold Pharmacal Co. (See Segall, Henry.)
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Carlton Club. For Carbonated Table or Drinking Water. 32,501; Aug. 2.
Capitol Silk Corporation, New York, N. Y. Capitol Silk Washable. For Silk Piece Goods. 32,502; Aug. 2.
Dencer, Edward, Salem, Oreg. Proon Shine. For Prunes and Prune Sirup. 32,503; Aug. 2.

Eirinberg, William D., Sioux City, Iowa. 'Spike' Kelly. For a Near Beer or Nonalcoholic Cereal Beverage. 32,504; Aug. 2.
Fox-Cross Candy Company, Oakland, Calif. Milk Charleston Chew! For Candy. 32,505; Aug. 2.
Great American Stores Co., The, Chicago, Ill. Great American. For Canned Evaporated Milk. 32,506; Aug. 2.

Guittard Chocolate Co., San Francisco, Calif. Old Dutch Cocoa. For Cocoa. 32,507; Aug. 2.
Joliet Macaroni Company, Joliet, Ill. Q-Boy. For Macaroni. 32,508; Aug. 2.
Laboratory Products Company, The, Cleveland, Ohio. S. M. A. For Food Product for Infants. 32,509; Aug. 2.
MacDonald, Clifford E., Tulsa, Okla. World's Guaranteed Best, Sure Insect Exterminator, Denverado Roach Bouncer. For Insect, Rat, and Mice Poison. 32,510; Aug. 2.
Maine Confectionery Co., Saco, Me. Chic-A-Dee Need-Em. For Candy. 32,511; Aug. 2.
McEwen, Irving, Omaha, Nebr. Hairaide Hair and Scalp Shampoo Soap. For a Cleansing and Medicinal Soap for the Hair and Scalp. 32,512; Aug. 2.
Mewshaw, J. C., doing business as Aetna Sales Co., Baltimore, Md. Carigas Emergency Gasoline Tank. For Shipping and Storage Vessels or Containers. 32,513; Aug. 2.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Pimiento Cheese. 32,514; Aug. 2.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Limberger Cheese. 32,515; Aug. 2.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Brick Cheese. 32,516; Aug. 2.
Morrell, John, & Co., Ottumwa, Iowa. Yorkshire Farm. For Sharp Cheese. 32,517; Aug. 2.
Mulhern, Frederick J., Troy, N. Y. Pell-Can. For Garbage Cans or Receptacles. 32,518; Aug. 2.
Nature's Toothpaste Corporation, Los Angeles, Calif. Nature's. For Tooth Paste. 32,519; Aug. 2.
Orange Mutual Citrus Association, Orange, Calif. Orange King. For Fresh Oranges. 32,520; Aug. 2.
Orange Mutual Citrus Association, Orange, Calif. Fearless. For Fresh Oranges. 32,521; Aug. 2.
Palace Clothing Company, The, Kansas City, Mo. Pallo. For Ladies' Footwear. 32,522; Aug. 2.
Roberts, Preston E., Inc., Fort Madison, Iowa. Pullman Loaf. For Bread. 32,523; Aug. 2.
Segall, Henry, doing business as Arnold Pharmacal Co., New York, N. Y. Septoline. For a Chemical Liquid Which is Used in Healing as an Antiseptic, as a Prophylactic, and as a Deodorant. 32,524; Aug. 2.
Segall, Henry, doing business as Arnold Pharmacal Co., New York, N. Y. Noks. For a Chemical Liquid Which is Used for Taking Spots out of Goods, Furniture, Leathers, and Other Materials. 32,525; Aug. 2.
Sierra Chemical Company, Los Angeles, Calif. Savex. For Granulated Soap. 32,526; Aug. 2.
Sutherland, C. R. & W. J., Albany, N. Y. Stony Brook. For Eggs. 32,527; Aug. 2.
Wood, Ernest H., New Bern, N. C. Wood's Fut Fix. For Wood's Fut Fix. 32,528; Aug. 2.
Zamboni, Adolph L., New York, N. Y. Gemelli. For Olive Oil. 32,529; Aug. 2.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Clicquot Club Company, Providence, R. I., and Millis, Mass. Tune in on Your Radio Thursday Night Clicquot Club Ginger Ale Eskimos. For Ginger Ale. 10,090; Aug. 2.
Crowe, John C., Los Angeles, Calif. Pleaso Breath. For Pleaso Breath Tablets. 10,091; Aug. 2.
Folger, J. A., & Co., San Francisco, Calif. Always Found in Good Company. For Coffee. 10,092; Aug. 2.
Harman, William S., Columbus, Ohio. Red Man Hocking. For Coal. 10,093; Aug. 2.
Harman, William S., Columbus, Ohio. Black Admiral Block. For Coal. 10,094; Aug. 2.
Harman, William S., Columbus, Ohio. Efficiency Hocking. For Coal. 10,095; Aug. 2.
Kolynos Co., The, New Haven, Conn. Kolynos. For Dentifrices. 10,096; Aug. 2.
Massillon Steel Casting Company, The, Massillon, Ohio. Tigerloy Brake Drums. For Brake Drums. 10,097; Aug. 2.
Soffos, Theodor G., New York, N. Y. The Champagne of Orange Drinks! For Orange Drink. 10,098; Aug. 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Brick Company, Fort Worth, Tex. Brick. 244,644; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,284; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,663; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,665; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,667; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,779; Aug. 2. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,885; Aug. 2. Class 12.
Ajax Radiator Enclosure Co. Inc., Brooklyn, N. Y. Radiator inclosures. 250,591; Aug. 2. Class 34.
Aluminum Company of America, Pittsburgh, Pa. Caps for Mason jars. 250,485; Aug. 2. Class 50.
Amalgamated Paint Company, New York, N. Y. Paints, varnishes, and paint enamels. 250,347; Aug. 2. Class 16.
American Maid Food Products Sales Co. (See Hundman, Clem.)
American Resistor Company, Milwaukee, Wis., assignor to American Resistor Corporation, Philadelphia, Pa. Electrical appliances. 214,227; Aug. 2. Class 21.
American Smelting and Refining Company, New York, N. Y., and San Francisco, Calif. Dry paint. 248,613; Aug. 2. Class 16.
Anchor Cap & Closure Corporation, Long Island City, N. Y. Cap openers, closure-applying machines, etc. 244,910; Aug. 2. Class 23.
Anglo-Chilean Consolidated Nitrate Corporation, New York, N. Y. Nitrate of soda. 250,592; Aug. 2. Class 6.
Arco Battery & Plate Co., doing business as Minuet Electric Co., Fort Wayne, Ind. Storage batteries. 250,289; Aug. 2. Class 21.
Ashbrook, A. E., Madison, Wis. Surfacing material of bituminous mix to be laid upon any standard base in the resurfacing of old streets, roads, etc. 244,970; Aug. 2. Class 12.
Associated Pharmacists of Massachusetts, Inc., Salem, Mass. Ointment. 249,564; Aug. 2. Class 6.
Associated Portland Cement Manufacturers, Limited, The, London, England. Portland cement. 250,350; Aug. 2. Class 12.
Autosign Co. (See Williams, Joshua H.)
Backer Metal Specialties Corporation, New York, N. Y. Smokers' ash-receiving stands. 248,028; Aug. 2. Class 8.
Badger Pickle Co., Mattoon, Wis. Sweet pickles. 250,893; Aug. 2. Class 46.
Baird, John L., London, England. Apparatus for use in transmitting views, scenes, or images to a distance by telegraphy. 249,886; Aug. 2. Class 21.
Barger & Golightly, Paducah, Ky. Fresh strawberries, dewberries, raspberries, and apples. 247,771; Aug. 2. Class 46.
Barlow, Mrs. Elizabeth, doing business as Non-Fattening Products Co., Rochester, N. Y. Mayonnaise. 250,451; Aug. 2. Class 46.
Barrist & Goodwin, Philadelphia, Pa. Magazine. 250,895; Aug. 2. Class 38.
Beebe Company, The, Portland, Oreg. Portable air mattress. 238,422; Aug. 2. Class 32.
Belknap Hardware & Manufacturing Company, Louisville, Ky. Radio receiving sets and radio loud speakers. 249,940; Aug. 2. Class 21.
Betts & Humpeton, New York, N. Y. Face powder, toilet creams, and extracts for perfumes. 242,078; Aug. 2. Class 6.
Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Steel rolls. 248,809; Aug. 2. Class 23.
Blank & Gottshall Co., Inc., Sunbury and Williamsport, Pa. Stock feeds including poultry feeds, comprising chick starter, chick grains, growing mash, etc. 250,050; Aug. 2. Class 46.
Bliss, Edward P., jr., Philadelphia, Pa. Automatically-controlled coal-combustion systems or parts therefor. 249,323; Aug. 2. Class 34.
Blue Ribbon Oil Company, Chicago, Ill. Lubricating oils and greases, kerosene, and gasoline. 246,882–3; Aug. 2. Class 15.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,111; Aug. 2. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,116; Aug. 2. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,118; Aug. 2. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,120; Aug. 2. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,217; Aug. 2. Class 42.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Borden, M. C. D., & Sons, Inc, New York, N. Y. Cotton piece goods. 251,167–8; Aug. 2. Class 42.
Borgfeldt, Geo., & Co., New York, N. Y. Clocks and parts thereof. 250,157; Aug. 2. Class 27.
Boulevard Sales Company. (See Cosby, Arthur B.)
Breakstone Bros., Inc., New York, N. Y. Cream cheese. 198,699; Aug. 2, Class 46.
Butterfield, Charles M., doing business as the Fruit Products Co., Savannah, Ga. Vinegar. 249,834; Aug. 2. Class 46.
Cady, Murch R., Grand Rapids, Mich. Rubber gloves for household use. 249,570; Aug. 2. Class 39.
Calgaro, Fioravante L., Claridge, Pa. Palliative for the treatment of cancer. 250,883; Aug. 2. Class 6.
Canfield Oil Company, The, Cleveland, Ohio. Motor fuel oil. 249,152; Aug. 2. Class 15.
Carter & Rogers, Lebanon, N. H. Piece goods. 250,489; Aug. 2. Class 42.
Chabrow Brothers, Philadelphia, Pa. Butter and bread. 224,080; Aug. 2. Class 46.
Champlin Refining Company, Enid, Okla. Gasoline. 245,471; Aug. 2. Class 15.
Chippewa Products Company, St. Louis, Mo. Product (Insecto) used in killing flies, mosquitoes, moths, etc. 246,078; Aug. 2. Class 6.
Clark, Rex S., doing business as Clark Cine-Service, Detroit, Mich. Moving-picture films, cameras, and projectors. 250,113; Aug. 2. Class 26.
Cohn & Rosenberger, Inc., New York, N. Y. Ornamental pins made of or plated with precious metal. 249,949; Aug. 2. Class 28.
Collins, J. N., Company, Minneapolis, Minn. Sirup for ice-cream sundaes and food purposes. 250,070–1; Aug. 2. Class 46.
Conestoga Corporation, The, Bethlehem, Pa. Bladed tools. 249,891; Aug. 2. Class 23.
Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,332; Aug. 2. Class 39.
Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 249,336; Aug. 2. Class 39.
Cooke Auto School. (See Coyne Trade & Engineering School.)
Corn Products Refining Company, New York, N. Y. Edible starch. 250,837; Aug. 2. Class 46.
Cosby, Arthur B., doing business as Boulevard Sales Company, Chicago, Ill. Compound designed to be used in the treatment of hosiery and lingerie to prevent runs and fading. 250,083; Aug. 2. Class 6.
Coyne Trade & Engineering School, doing business as Cooke Auto School, assignor to Job-Way Home Study, Inc., Chicago, Ill. Printed lessons and lectures. 186,828; Aug. 2. Class 38.
Creamette Company, The, Minneapolis, Minn. Tea and coffee. 211,981; Aug. 2. Class 46.
Daisy Products, Inc., The, New York, N. Y. Hand bags and hat bags. 250,737; Aug. 2. Class 3.
De Forest, Lee, New York, N. Y. Motion-picture films and talking-picture films. 249,344; Aug. 2. Class 26.
Dernoga, J. S., doing business as Drum Polish Co., Baltimore, Md. Metal polish. 250,232; Aug. 2. Class 4.
Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics. 250,166; Aug. 2. Class 42.
Di Carlo, Salvatore, Los Angeles, Calif. Grapefruit, oranges, and lemons. 214,239; Aug. 2. Class 46.
Dilbert Bros., Inc., New York and Brooklyn, N. Y. Eggs. 250,445; Aug. 2. Class 46.
Dixie Club Chemical Co. (See Oatis, H. O.)
Douglass Caramel Company, doing business as Douglass, Philadelphia, Pa. Candy. 247,780; Aug. 2. Class 46.
Drum Polish Co. (See Dernago, J. S.)
Ducharne, F., Silk Co. Inc., New York, N. Y. Silk piece goods. 251,126; Aug. 2. Class 42.
Duplan Silk Corporation, New York, N. Y. Piece goods. 250,493; Aug. 2. Class 42.
Educational Pictures, Inc., New York, N. Y. Motion pictures. 250,684; Aug. 2. Class 26.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer enamels, stains, polishes, etc. 244,143; Aug. 2. Class 16.
Eldridge, R. W., Company, Charlotte, N. C. Handkerchiefs. 248,165; Aug. 2. Class 42.
Ely & Walker Dry Goods Company, St. Louis, Mo. Piece goods made of cotton, wool, linen, silks, etc. 251,030; Aug. 2. Class 42.
Empire Silk Company, New York, N. Y. Silk piece goods. 248,761; Aug. 2. Class 42.
Epstein, Oscar B., doing business as Obe Chemical Co., New York, N. Y. Cream for removing freckles. 245,052; Aug. 2. Class 6.
Erwin, H. H., Co., The, Philadelphia, Pa. Perfumes. 250,985–6; Aug. 2. Class 6.
Estes, William H., doing business as Estes Bakery, Ardmore, Okla. Bread. 249,579; Aug. 2. Class 46.
Evkob Watch Co., New York, N. Y. Watches. 249,652; Aug. 2. Class 27.
Excelsior M'f'g. Company. (See Markt & Hammacher Company.)
Exporters & Importers Journal, Inc., New York, N. Y.; Boston, Mass.; San Francisco, Calif.; London and Liverpool, England. Magazine. 248,167; Aug. 2. Class 38.
Federal Food Products Company. (See Giroux Company, Inc.)
Filbert, J. H., Inc., Baltimore, Md. Oleomargarine. 247,422; Aug. 2. Class 46.
Fink, Harry, & Company, Los Angeles, Calif. Hosiery. 249,969; Aug. 2. Class 39.
Fire Creek Coal Company, Inc., The, New York, N. Y. Export coal. 244,684–5; Aug. 2. Class 1.
Fleischmann's Vienna Model Bakery, Inc., New York, N. Y. Coffee. 251,269; Aug. 2. Class 46.
Florida Nut Products Co., West Palm Beach, Fla. and Washington, D. C. Salted and shelled nuts of all kinds. 250,496; Aug. 2. Class 46.
Ford, C. P., & Company, Inc., Rochester, N. Y. Women's shoes. 237,159; Aug. 2. Class 39.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,497; Aug. 2. Class 42.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 250,508–9; Aug. 2. Class 42.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 251,130; Aug. 2. Class 42.
Fox, Charles D., New York, N. Y. Motion-picture-film productions. 250,404; Aug. 2. Class 26.
Frank, Charles W., doing business as Frank's Fruit Squares, Elizabeth, N. J. Laxative. 250,743; Aug. 2. Class 6.
Frey Bros., Lodi, Calif. Fresh deciduous fruits. 234,207; Aug. 2. Class 46.
Frostilla Company, The. (See Shoemaker, Flora H.)
Fruit Products Co. (See Butterfield, Charles M.)
Garey, Dorothy A., doing business as Lighting Specialties Co., Brooklyn, N. Y. Electric flood and spot lights. 244,228; Aug. 2. Class 21.
General Carbonic Company, New York, N. Y. Fire-extinguishing containers and their appliances. 249,719; Aug. 2. Class 23.
General Coal Company, Cincinnati, Ohio. Coal. 249,272; Aug. 2. Class 1.
General Dyestuff Corporation, New York, N. Y. Dyestuffs. 250,988; Aug. 2. Class 6.
Gilmore Oil Company, Los Angeles, Calif. Asphalt, asphaltic binder, cement, etc. 249,062; Aug. 2. Class 12.
Giroux Company, Inc., doing business as Federal Food Products Corp., New York, N. Y. Worcestershire sauce. 251,033; Aug. 2. Class 46.
Gittelman, L., & Sons, New York, N. Y. Boys' wash and novelty suits. 249,347; Aug. 2. Class 39.
Goodrich, B. F., Company, The, New York, N. Y. Adhesive cement. 241,822; Aug. 2. Class 6.
Goodrich, B. F., Company, The, New York, N. Y. Inner tubes for pneumatic tires. 250,991–2; Aug. 2. Class 35.
Gordon & Ferguson, Inc., St. Paul, Minn. Clothing for men and women. 243,542; Aug. 2. Class 39.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Dried, smoked, pickled, salted, and canned fish. 248,768; Aug. 2. Class 46.
Gottlieb, Joseph, doing business as Jagot, New York, N. Y. Watches, watch movements, and parts of the same. 248,176; Aug. 2. Class 27.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Phonograph records. 250,022; Aug. 2. Class 36.
Greenebaum Bros. & Company, Philadelphia, Pa. One and two piece pyjamas. 243,854; Aug. 2. Class 39.
Gross Chandelier Co., St. Louis, Mo. Electric-lighting fixtures. 249,222; Aug. 2. Class 21.
Grushlaw and Sichel, Philadelphia, Pa. Knit jackets. 244,438; Aug. 2. Class 39.
Haeckel, Ernest, doing business as Maria Haeckel, Los Angeles, Calif. Knitted silk and yarn fabrics. 248,295; Aug. 2. Class 42.
Haire Publisbing Company, Inc., New York, N. Y. Magazine. 250,616; Aug. 2. Class 38.
Hall, Harry, & Co. Inc., San Francisco, Calif. Canned fruits, vegetables, and dried fruits. 248,836; Aug. 2. Class 46.
Hall, Hartwell & Co. Inc., Troy, N. Y. Shirts and collars. 250,748; Aug. 2. Class 39.
Handy Andy Community Stores, Inc., Miami, Fla. Canned peaches. 231,602; Aug. 2. Class 46.
Harrower Laboratory, Inc., The, Glendale, Calif. Solution which is an estrus stimulating principle derived from the placenta and used as an ovarian and sex stimulant. 250,282; Aug. 2. Class 6.
Hecker-H-O Company, Inc., Buffalo, N. Y. Whole-wheat cereal foods. 248,683; Aug. 2. Class 46.
Hellenic Phonograph Co., The, New York, N. Y. Piano rolls and phonograph records. 245,144; Aug. 2. Class 36.
Henson, John W., Company, Inc., New York, N. Y. Draperies. 249,900; Aug. 2. Class 42.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 248,494; Aug. 2. Class 36.
Holdenville Mill & Elevator Co. (See Moore Bros.)
Hospital Specialty Co., The, Cleveland, Ohio. Cold-cream remover made in the form of paper napkins. 239,112; Aug. 2. Class 37.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 251,138; Aug. 2. Class 6.

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Humphrey Fruit Farm, Belleville, W. Va. Farm products. 241,531; Aug. 2. Class 46.
Hundman, Clem, doing business as American Maid Food Products Sales Co., Bloomington, Ill., and Indianapolis, Ind. Coffee, cocoa, tea, nut oleomargarine, oleomargarine, peanut spread, etc. 249,589; Aug. 2. Class 46.
Igrad Condenser & Mfg. Co., Inc., Rochester, N. Y. Electrical condensers. 250,241; Aug. 2. Class 21.
Imperial Pharmacy. (See Stodghill, Paul G.)
Independent Grocers' Alliance. (See Marketing Specialists, Inc.)
Industria Marmellate e Conserve Alimentari, Voghera, Italy. Preserved fruits. 240,976; Aug. 2. Class 46.
Jagot. (See Gottlieb, Joseph.)
Job-Way Home Study, Inc. (See Coyne Trade & Engineering School, assignor.)
Johnston, M. R., Coffee Co. Inc., Baltimore, Md. Coffee. 250,804; Aug. 2. Class 46.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Lard. 250,081-2; Aug. 2. Class 46.
Kauffmann, F. A., Manufacturing Company, St. Louis, Mo. Toilet water. 250,310; Aug. 2. Class 6.
Kelly Axe & Tool Co., Inc., Charleston, W. Va., and New York, N. Y. Adzes, axes, bush hooks, grass hooks, grub hoes, etc. 250,026; Aug. 2. Class 23.
Kessler, Albert, doing business as F. A. Kessler, Mittweida, Germany. Pot scourers having the form of woven metal iron pads. 240,355; Aug. 2. Class 4.
Khouri, Geo. M., & Bros., New York, N. Y. Hand embroidered bed and table linen. 227,522; Aug. 2. Class 42.
Knapp Electric Corporation, Port Chester, N. Y. Electric motors, generally and particularly electric motors suitable for driving fans. 245,057; Aug. 2. Class 21.
Knapp Electric Corporation, Port Chester, N. Y. Electric motors, generally and particularly electric motors suitable for driving fans. 245,059; Aug. 2. Class 21.
Koopers Products Company, Pittsburgh, Pa. Gas-purification chemicals. 245,441; Aug. 2. Class 6.
Kratchwil, M., Candy Co., doing business as Kratchwil Candy Co., La Crosse, Wis. Candy. 246,836; Aug 2. Class 46.
Larada Coffee House. (See O'Connor, Edward J.)
Lefebure Corporation, Cedar Rapids, Iowa. Bookracks, portable tables, cabinets, desks, and shelving. 247,898; Aug. 2. Class 32.
Lebon Company, The, Chicago, Ill. Asphalt roofing in rolls and sheets, asphalt roofing shingles, etc. 248,416; Aug. 2. Class 12.
Levy, Charles M., & Son, New York, N. Y. Articles of jewelry made of precious or semiprecious metals or a combination thereof. 248,042; Aug. 2. Class 28.
Liebovitz, S., & Sons, Inc., New York, N. Y. Shirt, pyjamas, and blouses. 249,735; Aug. 2. Class 39.
Lier Manufacturing Co., The, Sioux City, Iowa. Luggage carriers. 249,595; Aug. 2. Class 3.
Lieux Bros., doing business as L. Lindsly and Lieux Bros., New Roads, La. Coffee. 250,312; Aug. 2. Class 46.
Lighting Specialties Co. (See Garey, Dorothy A.)
Lincoln Quality Products Company, The, Cleveland, Ohio. Radio receiving and detecting sets and parts thereof, etc. 248,915; Aug. 2. Class 21.
Lindsly, L., and Lieux Bros. (See Lieux Bros.)
Lippmann, Spier & Hahn, New York, N. Y. Bracelets, bead necklaces, brooches, etc. 249,666; Aug. 2. Class 28.
Looser, Frederick, and Co., Inc., Brooklyn, N. Y. Hosiery, underwear, and gloves. 248,767; Aug. 2. Class 39.
Log Cabin Bakery. (See Tutter, Anton.)
Lord & Taylor, New York, N. Y. Women's hats. 250,700; Aug. 2. Class 39.
Luby, Joseph A., Newark, N. J. Polishing and cleaning oil. 247,901; Aug. 2. Class 16.
Luntz, Harris H., Brooklyn, N. Y. Rectal suppositories. 250,028; Aug. 2. Class 6.
M. & P. Products Co., Detroit, Mich. Kegs and barrels. 250,313; Aug. 2. Class 2.
Manischewitz, B., Company, The, Cincinnati, Ohio. Crackers and cracker meal. 248,507; Aug. 2. Class 46.
Maritime Milling Company Inc., Buffalo, N. Y. Dairy feed. 249,229; Aug. 2. Class 46.
Marketing Specialties, Inc., doing business as Independent Grocers' Alliance, Chicago, Ill. Publication. 246,966-8; Aug. 2. Class 38.
Markt & Hammacher Company, doing business as Excelsior M'f'g. Company, New York, N. Y. Farming and garden tools. 247,801; Aug. 2. Class 23.
Markt & Hammacher Company, New York, N. Y. Farming and garden tools. 247,803; Aug. 2. Class 23.
Martin & Martin Inc., New York, N. Y. Leather saddles. 244,457; Aug. 2. Class 3.
McLanathan, Frank W., doing business as F. W. McLanathan & Son, Lawrence, Mass. Leather for covering rollers. 249,914; Aug. 2. Class 1.
Melville Shoe Corporation, New York, N. Y. Leather and combination cloth and leather shoes. 248,702; Aug. 2. Class 39.
Metropolitan Pictures Corporation of California, Los Angeles, Calif. Motion pictures. 248,706; Aug. 2. Class 26.
Miles, W. H., Shoe Co., Inc., Richmond, Va. Boots and shoes made of leather. 250,812; Aug. 2. Class 39.
Minolyne Products Company. (See Nakamura, Shiro.)
Minuet Electric Co. (See Arco Battery & Plate Co.)
Mode Publishing Co. Inc., New York, N. Y. Periodical. 242,604; Aug. 2. Class 38.
Monroe Evening News Co., Monroe, Mich. Newspaper. 250,629; Aug. 2. Class 38.
Moore Bros., doing business as Holdenville Mill & Elevator Co., Holdenville, Okla. Dairy feed mixture. 247,863; Aug. 2. Class 46.
Moore Process Chemical Company, Inc., The, Dallas, Tex. Paint-removing compositions. 231,940; Aug. 2. Class 10.
Mueller, C. F., Company, Jersey City, N. J. Prepared spaghetti. 243,226; Aug. 2. Class 46.
Nakamura, Shiro, doing business as Minolyne Products Company, Los Angeles, Calif. Hair tonics and dressings, shampoo, lotions for face and skin. 249,671; Aug. 2. Class 6.
Neustadter Brothers, San Francisco, Calif. Children's play suits and rompers, men's and boys' shirts, etc. 247,698; Aug. 2. Class 39.
Non-Fattening Product Co. (See Barlow, Mrs. Elizabeth.)
North Freedom Canning Co., North Freedom, Wis. Canned vegetables. 245,575; Aug. 2. Class 46.
Novack, Maurice L., Minneapolis, Minn. Finger rings. 233,457; Aug. 2. Class 28.
Oatis, H. O., doing business as Dixie Club Chemical Co., Dallas, Tex. Hairdressing. 251,009; Aug. 2. Class 6.
Obe Chemical Co. (See Epstein, Oscar B.)
Ochiltree Electric Company, Pittsburgh, Pa. Electric-lighting fixtures. 250,518; Aug. 2. Class 21.
O'Connor, Edward J., doing business as Larada Coffee House, Youngstown, Ohio. Coffee, tea, rice, and food-flavoring extracts. 244,364; Aug. 2. Class 46.
Orr & Sembower, Inc., Reading, Pa. Coal, wood, oil, or gas burning steam and hot-water heating furnaces. 249,486; Aug. 2. Class 34.
Pacific Coast Canners, Inc., Oakland, Calif. Canned vegetables, tomato purée, tomato catchup, and vinegar. 248,436; Aug. 2. Class 46.
Palmetto Chemical Co., West Palm Beach, Fla. Insecticides. 246,623; Aug. 2. Class 6.
Palmetto Coffee Company, Inc., Washington, D. C. Eggs and butter. 246,116; Aug. 2. Class 46.
Palmowski, Frank, doing business as Thadeus B. & Co., Buffalo, N. Y. Hair tonic. 246,975; Aug. 2. Class 6.
Paper Supply Company, Los Angeles, Calif. Decorative and fancy papers. 242,744; Aug. 2. Class 37.
Paragon Knitting Mills, Incorporated, Philadelphia, Pa. Sweaters and sweater coats. 232,420; Aug. 2; Class 39.
Parfumerie Rigaud, Inc., New York, N. Y. Perfumes, toilet water, and face powder. 246,546; Aug. 2. Class 6.
Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Derricks, walking beams, crown blocks, drilling machines, and sand reels. 248,858; Aug. 2. Class 23.
Payson Varnish Co., The, New York, N. Y. Paints, varnishes, paint enamels, etc. 249,287-8; Aug. 2. Class 16.
Peerless Chemical Co. Inc., New York, N. Y. Window-cleaning preparation. 250,633; Aug. 2. Class 4.
Pennsylvania Axminster Carpet Corporation, Philadelphia, Pa. Textile rugs and carpets. 249,598; Aug. 2. Class 42.
People's Outfitting Company, Detroit, Mich. Bed springs, frames, buffets, bookcases, baby carriages, etc. 248,438; Aug. 2. Class 32.
Pittsburg and Midway Coal Mining Company, The, Kansas City, Mo. Coal. 247,493; Aug. 2. Class 1.
Plottel Brothers, New York, N. Y. Raincoats. 248,444; Aug. 2. Class 39.
Plussco Company, Inc., The, Concord, N. H. Pipe hangers. 250,323; Aug. 2. Class 13.
Plymouth Rubber Company, Inc., Canton, Mass. Rubber heels, soles, and rubber taps for soles. 250,036; Aug. 2. Class 39.
Pocahayo Remedy Co., Omaha, Nebr. Preparation for use in treating and preventing hay fever. 251,012; Aug. 2. Class 6.
Potomac Candy Studio, Detroit, Mich. Candies. 248,649; Aug. 2. Class 46.
Radiart Laboratories, Inc., Cleveland, Ohio. Radiofrequency transformers. 250,638; Aug. 2. Class 21.
Red Star News Company, The, New York, N. Y. Magazine. 250,938; Aug. 2. Class 38.
Remington Typewriter Company, New York, N. Y. Adding and accounting machines. 236,178; Aug. 2. Class 26.
Rexlite Company. (See Wood, William H.)
Reynolds, Bion F., Co., Brockton, Mass. Leather shoes. 240,683; Aug. 2. Class 39.
Rice-Stix Dry Goods Company, St. Louis, Mo. Piece goods. 250,639; Aug. 2. Class 42.
Rich, M., & Bros. Co., Atlanta, Ga. Aprons, bath robes, bathing caps and shoes, bloomers, blouses, etc. 216,641; Aug. 2. Class 39.

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Richards Company, Inc., Boston, Mass. Babbitt metal. 249,994; Aug. 2. Class 14.
Rockford Malleable Iron Works, Rockford, Ill. Iron-carbon alloy. 249,809; Aug. 2. Class 14.
Rocky Mountain Packing Corporation, Salt Lake City, Utah. Canned fruits, vegetables, and catchup. 250,096; Aug. 2. Class 46.
Ross, Laura A., Bakersfield, Calif. Preparation for the destruction of cockroaches, ants, and other pests. 251,016; Aug. 2. Class 6.
Roszell, J. D., Company, Peoria, Ill. Pasteurized milk. 227,911; Aug. 2. Class 46.
Salanitro, Alfred, doing business as Salus Products Company, Bloomfield, N. J. Medicinal laxatives. 250,715; Aug. 2. Class 6.
Salus Products Company. (See Salanitro, Alfred.)
Samuel Stores, Inc., The, New York, N. Y. Men's and women's outer apparel, suits, outer coats, and raincoats. 250,647; Aug. 2. Class 39.
Sandler, Abraham, Boston, Mass. Shoes. 248,797; Aug. 2. Class 39.
Sangamon Coal Company, Chicago, Ill. Coal. 250,191; Aug. 2. Class 1.
Schieren, Chas. A., Company, New York, N. Y. Rawhide rope. 251,151; Aug. 2. Class 7.
Schmalz, Josef, doing business as J. Schmalz, Pforzheim, Germany. Knives and forks of nonprecious material, scythes, sickles, straw knives, etc. 244,370; Aug. 2. Class 23.
Schroeder Bros., New York, N. Y. Cheese, olive oil, and canned tomatoes. 248,327; Aug. 2. Class 46.
Schwartz, J., Music Co. Inc., New York, N. Y. Musical-instrument accessories. 249,377; Aug. 2. Class 36.
Schwartz, J., Music Co. Inc., New York, N. Y. Musical-instrument accessories. 249,379; Aug. 2. Class 36.
Sharp & Dohme, Baltimore, Md. Tooth paste. 250,822; Aug. 2. Class 6
Shoe & Leather Reporter, Boston, Mass. Publication. 251,017; Aug. 2. Class 38.
Shoemaker, Flora H., doing business as The Frostilla Company, Elmira, N. Y. Lotions and creams for beautifying and preserving the skin. 251,018; Aug. 2. Class 6.
Spragg, George D., doing business as Youth Aid Mfg. Co., Bellaire, Ohio. Coffee substitute. 250,330; Aug. 2. Class 46.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Gasoline. 248,202; Aug. 2. Class 15.
Steel Products Engineering Company, The, Springfield, Ohio. Refrigerators and refrigerating apparatus. 249,819; Aug. 2. Class 31.
Stein Fur Dyeing Co., Inc., New York, N. Y. Bleached, dyed, bleached and dyed, and partially-finished animal fur skins. 234,167; Aug. 2. Class 1.
Stodghill, Paul G., doing business as Imperial Pharmacy, Denver, Colo. Antiseptic vaginal jelly. 248,451; Aug. 2. Class 6.
Storey, Willard M., doing business as W. M. Storey Lumber Company, Winston-Salem, N. C. Bottle crates. 249,551; Aug. 2. Class 2.
Summers, Robert L., Boston, Mass. Leather boots and shoes. 243,328; Aug. 2. Class 39.
Swan-Finch Oil Corporation, New York, N. Y. Illuminating, motor fuel, and lubricating oils and lubricating grease. 248,654; Aug. 2. Class 15.
Thadeus B. & Co. (See Palmowski, Frank.)
Tuangi Sales Company, The, Cleveland, Ohio. Spark plugs. 212,764; Aug. 2. Class 21.
Turner, Guy N., doing business as Turner Mfg. Co., Los Angeles, Calif. Grease ram. 250,104; Aug. 2. Class 23.
Tuscaloosa Syrup Co., Inc., Tuscaloosa, Ala. Table sirup. 250,653; Aug. 2. Class 46.
Tutter, Anton, doing business as Log Cabin Bakery, Los Angeles, Calif. Bread. 217,590; Aug. 2. Class 46.
Twigg, Phyllis M., St. Andrews, Ventnor, Isle of Wight, England. Porcelain and earthenware goods. 241,971; Aug. 2. Class 30.
Underberg, Hubert, doing business as H. Underberg-Albrecht, Rheinberg, Germany. Stomachic. 250,767; Aug. 2. Class 6.
Underberg, Hubert, doing business as H. Underberg-Albrecht, Rheinberg, Germany. Stomachic. 250,769; Aug. 2. Class 6.
United Home Dressed Meat Company, Altoona, Pa. Dried beef. 229,834; Aug. 2. Class 46.
Universal Portland Cement Co., Chicago, Ill. Magazine. 250,947; Aug. 2. Class 38.
Utica Daily Press Company, Utica, N. Y. Newspaper. 250,828; Aug. 2. Class 38.
Vanity Fair Silk Mills, Reading, Pa. Underwear. 249,393; Aug. 2. Class 39.
Volton Battery Co., Inc., Brooklyn, N. Y. Batteries. 249,825; Aug. 2. Class 21.
Volunteer Knitting Mills, Chattanooga, Tenn. Underwear. 248,268; Aug. 2. Class 39.
Wallace, R., & Sons Mfg. Co., Wallingford, Conn. Kitchen and household tools or utensils. 249,559; Aug. 2. Class 23.
Ward, Samuel, Manufacturing Company, Boston, Mass. Leather playing-card cases, writing cases, brief cases, portfolios, and pocketbooks. 247,975; Aug. 2. Class 3.
Watson, Angus, & Co. (America) Limited, San Francisco, Calif. Canned sardines. 246,808; Aug. 2. Class 46.
Wayside Gardens Co., The, Mentor, Ohio. Booklets relating to the culture of flowers and shrubs. 246,867; Aug. 2. Class 38.
Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 247,980; Aug. 2. Class 46.
Wettengel Corporation, The, Rochester, N. Y. Canned fruits, vegetables, and pork and beans. 245,126; Aug. 2. Class 46.
Williams, Joshua H., doing business as Autosign Co., Greenville, S. C. Mechanical advertising machines. 247,723; Aug. 2. Class 23.
Williams, Villor P., Baltimore, Md. Automobiles. 248,803; Aug. 2. Class 19.
Wood, William H., doing business as Rexlite Company, Cleveland, Ohio. Metal headlight reflectors. 233,803; Aug. 2. Class 34.
Yates Lumber Company, Penn Yan, N. Y. Grape baskets and shipping baskets. 249,630; Aug. 2. Class 2.
Youth Aid Mfg. Co. (See Spragg, George D.)
Zooloomian, George H., Providence, R. I. Sirup of hydrochlorine, cornia, salydite, and lactoluvin. 251,158; Aug. 2. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Bags, Rug. Mothproof Rug Bag Company. 230,732; Aug. 2; Serial No. 246,426; published May 24, 1927.
Packages and parts thereof. Fruit and vegetable wooden. Farmers Manufacturing Company. 230,609; Aug. 2; Serial No. 246,893; published May 24, 1927.
Receptacles, Fiber baking. Sani Paper Products Co. 230,723; Aug. 2; Serial No. 246,181; published May 24, 1927.
Tanks, Storage. Chattanooga Boiler & Tank Co. 230,778; Aug. 2; Serial No. 245,830; published May 24, 1927.
Vaults, Grave. Clark Grave Vault Co. 230,725; Aug. 2; Serial No. 246,195; published May 24, 1927.

CLASS 3.

Rubber goods. H. O. Canfield Company. 66,621; renewed Dec. 17, 1927.

CLASS 4.

Polish, Metal. E. B. Gallaher. 65,094; renewed Sept. 10, 1927.
Soap. Lever Brothers Company. 66,442; renewed Nov. 26, 1927.
Soap. F. N. Lewis. 230,820; Aug. 2.

CLASS 5.

Punctureproof compound for pneumatic tires. W. P. Johnson. 230,842; Aug. 2.

CLASS 6.

Antifouling compound. Young Laboratories. 230,624; Aug. 2; Serial No. 246,871; published May 24, 1927.
Antifreeze composition. J. G. Collins. 230,840; Aug. 2.
Antiknock compounds for motor fuel. Ethyl gasoline Corporation. 230,628; Aug. 2; Serial No. 247,365; published May 24, 1927.
Bismuth arsphenamine sulphonate. Abbott Laboratories. 230,625; Aug. 2; Serial No. 246,877; published May 24, 1927.
Bleach, Liquid. A. Lucati. 230,596; Aug. 2; Serial No. 246,487; published May 17, 1927.
Bleaching compound. G. C. Gagan. 230,621; Aug. 2; Serial No. 246,343; published May 24, 1927.
Castor-oil emulsion. Navie Chemical Co. 230,748; Aug. 2; Serial No. 247,201; published May 24, 1927.
Chemical compound for electric storage batteries. Weeks & Winter. 230,745; Aug. 2; Serial No. 247,152; published May 17, 1927.
Chemical for rustproofing material. Parker Rust-Proof Company. 230,654; Aug. 2; Serial No. 237,130; published May 17, 1927.
Cod-liver oil, Wine of. Frederick Stearns & Company. 230,717; Aug. 2; Serial No. 238,408; published May 24, 1927.
Compounds for leaky radiators. W. C. Payne. 230,712; Aug. 2; Serial No. 245,514; published May 17, 1927.

Cough medicine, medicine for colds, influenza, etc. N. J. Segal. 230,675; Aug. 2; Serial No. 244,890; published May 17, 1927.
Cream, bandoline, benzoin lotion, bath salts, etc., Almond. Buck and Rayner. 230,587; Aug. 2; Serial No. 243,412; published May 24, 1927.
Cream, Facial. Howell Drug Company. 230,578–9; Aug. 2; Serial No. 242,724–5; published May 17, 1927.
Cream, skin tonic, muscle oil, rouge, etc., Cold. Saphes Incorporated. 230,582; Aug. 2; Serial No. 242,803; published May 17, 1927.
Creams, perfumes, and hair tonics, Beauty. B. Harrington. 230,713; Aug. 2; Serial No. 245,556; published May 17, 1927.
Dentifrices. Kemic Powder Co. 230,610; Aug. 2; Serial No. 246,961; published May 17, 1927.
Disinfectants, drain solvents, insect destroyers, etc. H. Jacobs. 230,649; Aug. 2; Serial No. 231,107; published Oct. 19, 1926.
Fungicide seed disinfectant. E. I. du Pont de Nemours and Company. 230,623; Aug. 2; Serial No. 246,674; published May 24, 1927.
Hair grower. M. E. Baker. 230,657; Aug. 2; Serial No. 238,151; published May 17, 1927.
Hair grower and tonic, face cream, etc. M. E. Tullis. 230,576; Aug. 2; Serial No. 242,319; published May 24, 1927.
Hair rub, hair fixative preparation, and a prepartion for removing dandruff, Liquid cooling. Koken Companies. 230,720; Aug. 2; Serial No. 246,096; published May 17, 1927.
Healing ointment. Josephine S. Roupe. 230,661; Aug. 2; Serial No. 244 243; published May 17, 1927.
Insecticide. T. P. Perdue. 230,607; Aug. 2; Serial No. 246,847; published May 10, 1927.
Insecticides. W. D. Carpenter Co. 230,756; Aug. 2; Serial No. 247,776; published May 24, 1927.
Insecticides and rodenticides. W. C. McKee. 230,630; Aug. 2; Serial No. 247,440; published May 24, 1927.
Laxative, Candy. K. Taki. 230,718; Aug. 2; Serial No. 245,761; published May 17, 1927.
Laxative, Liquid. Spear and Morgan Manufacturing Company. 230,749; Aug. 2; Serial No. 247,223; published May 17, 1927.
Liniments, Rubbing. A. L. Febsenfeld. 230,694; Aug. 2; Serial No. 241,877; published May 17, 1927.
Medicated chewing gum. Antiseptic Gum Co. 230,722; Aug. 2; Serial No. 246,144; published May 17, 1927.
Medication, Inhalant. Klorex, Inc. 230,615; Aug. 2; Serial No. 245,349; published May 24, 1927.
Medicinal anodyne and sedative tablet. L. C. Wills. 230,801; Aug. 2.
Medicinal preparation. J. M. Hogan. 230,663; Aug. 2; Serial No. 244,696; published May 17, 1927.
Medicinal preparation. C. Oblendorf. 230,589; Aug. 2; Serial No. 243,772; published May 17, 1927.
Medicinal preparation. J. Schantz. 230,627; Aug. 2; Serial No. 247,215; published May 24, 1927.
Medicinal preparation for the tratment of hemorrhoids and piles. A. R. Martino. 230,629; Aug. 2; Serial No. 247,378; published May 24, 1927.
Medicinal preparations for neuralgia, headache, rheumatism, colds, etc. Twitchell-Champlin Company. 230,591; Aug. 2; Serial No. 243,984; published May 24, 1927.
Medicinal tablet. L. W. Davies. 230,794; Aug. 2; Serial No. 245,085; published May 17, 1927.
Medicinal tablets. Laboratories Jaq Incorporated. 230,634; Aug. 2; Serial No. 245,148; published Apr. 26, 1927.
Medicine compound for treating sores and skin diseases. W. H. Hodge. 230,622; Aug. 2; Serial No. 246,406; published May 24, 1927.
Medicine for gonorrhea. J. Lorens. 230,616; Aug. 2; Serial No. 245,568; published May 24, 1927.
Medicines. Bayer Company. 230,644; Aug. 2; Serial No. 235,874; published May 17, 1927.
Medicines. Bayer Company. 230,645–6; Aug. 2; Serial No. 235,877–8; published May 17, 1927.
Oil and mineral oil for medicinal use, Cod-liver. L. Elsen & Co. 230,790; Aug. 2; Serial No. 246,088; published May 17, 1927.
Oils, Cod-liver. National Oil Products Company. 230,662; Aug. 2; Serial No. 244,313; published May 17, 1927.
Palliative for headache and rheumatism, burns, pimples, etc. A. Wojciechowski. 230,795; Aug. 2; Serial No. 245,177; published May 17, 1927.
Perfume. Richard Hudnut. 230,742; Aug. 2; Serial No. 247,130; published May 17, 1927.
Perfumes. J. L. Grossmith. 65 630; renewed Oct. 15, 1927.
Perfumes. Parfums Edouardo, a Corporation. 230,633; Aug. 2; Serial No. 247,634; published May 24, 1927.
Perfumes. John Wanamaker Philadelphia. 230,759; Aug. 2; Serial No. 187,235; published Jan. 8, 1924.
Perfumes, cologne, beauty cream, etc. M. Guerlain. 230,683; Aug. 2; Serial No. 240,025; published May 17, 1927.
Pharmaceutical preparations. Pompeian Mfg. Co. 66,109; renewed Nov. 12, 1927.
Pickling compounds for cleaning steel or metal. W. M. Parkin. 230,709; Aug. 2; Serial No. 245,513; published May 17, 1927.
Powder for exterminating rats and mice. C. F. York. 230,750; Aug. 2; Serial No. 247,238; published May 17, 1927.
Powder, Toilet. Silica Gel Products Corporation. 230,618–19; Aug. 2; Serial Nos. 245,930–1; published May 14, 1927.
Powders. Chafo Manufacturing Company. 230,614; Aug. 2; Serial No. 244,984; published May 17, 1927.
Powders, creams and packs, toilet waters, rouges, etc., Face. Gerré, Inc. 230,626; Aug. 2; Serial No. 247,181; published May 24, 1927.
Powders, creams, packs, toilet waters, rouges, etc., Face. Alliance Art Products Company. 230,631; Aug. 2; Serial No. 247,513; published May 24, 1927.
Powders, face creams and packs, toilet waters, rouges, etc., Face. Maté, Inc. 230,612; Aug. 2; Serial No. 246,969; published May 17, 1927.
Powders, face creams and packs, toilet waters, rouges, etc., Face. William A. Webster Company. 230,590; Aug. 2; Serial No. 243,900; published May 17, 1927.
Powders, Face, talcum, tooth, nail, etc. F. A. Schwannecke. 230,598; Aug. 2; Serial No. 246,637; published May 17, 1927.
Powders, perfumes, toilet waters, etc., Face. V. Vivaudou, Inc. 230,760; Aug. 2; Serial No. 203,354; published Nov. 18, 1924.
Preparation for the cure of chills and fever. Hutchison Medicine Co. 60.390; renewed Feb. 5, 1927.
Preparation for the treatment of malarial diseases. Paris Medicine Co. 230,787; Aug. 2; Serial No. 246,047; published May 17, 1927.
Preparation for the treatment of the skin, etc. Cameron-Sprowls Pharmacy Co. 230,617; Aug. 2; Serial No. 245,889; published May 24, 1927.
Preparation for use in the treatment of asthma and all bronchial troubles. L. F. Beaudreau. 230,594; Aug. 2; Serial No. 246,460; published May 17, 1927.
Preparations. W. R. Chandler. 230,734; Aug. 2; Serial No. 247,003; published May 17, 1927.
Salt. E. L. Karnes. 230,651; Aug. 2; Serial No. 236,553; published May 17, 1927.
Salve and a medicine for blood poisoning. M. Cizauckas. 230,682; Aug. 2; Serial No. 239,969; published May 24, 1927.
Shampoo and corrective for dandruff. E. A. Zink. 230,638; Aug. 2; Serial No. 229,997; published May 17, 1927.
Soldering fluid. C. J. Johnson. 230,731; Aug. 2; Serial No. 246,412; published May 17, 1927.
Sulphite, Shredded. Fidalgo Sales Corporation. 230,690; Aug. 2; Serial No. 241,404; published May 17, 1927.
Toilet powder. Silica Gel Products Corporation. 230,620; Aug. 2; Serial No. 245,932; published May 24, 1927.
Tonic. D. E. Strickler. 230,632; Aug. 2; Serial No. 247,578; published May 24, 1927.
Tonic and hæmoglobin base for anæmia, convalescing chlorosis, etc., Ferruginous. J. U. Martinez. 230,580; Aug. 2; Serial No. 242,732; published May 17, 1927.
Tonic laxative and alterative. B. O. Lytle. 230,611; Aug. 2; Serial No. 246,965; published May 17, 1927.
Tooth paste. Ko-Cln-Ko Company. 230,575; Aug. 2; Serial No. 242,300; published May 24, 1927.
Whooping-cough compound. E. T. Duris. 230,735; Aug. 2; Serial No. 247,007; published May 17, 1927.

CLASS 9.

Gunpowder. Societe Anonyme des Explosifs de Clermont Muller & Cie. 64,533; renewed Aug. 13, 1927.
Matches. Jönköpings och Vulcans Tändsticksfabriksaktiebolag. 230,635; Aug. 2; Serial No. 228,192; published Apr. 12, 1927.

CLASS 10.

Fertilizer. Merchants Fertilizer & Phosphate Company. 230,685; Aug. 2; Serial No. 240,871; published May 24, 1927.
Germicide, insecticide soil builder, and plant food for lawns, etc., Combined. Kalon Products Company. 230,703; Aug. 2; Serial No. 245,273; published May 24, 1927.

CLASS 11.

Typewriter ribbons and carbon paper. American Ribbon & Carbon Co. 64,330; renewed Aug. 6, 1927.

CLASS 12.

Cement, Portland. A. Blumenthal. 60,060; renewed Jan. 29, 1927.
Roofing and wall-covering purposes, Stamped metal parts used for. Cortright Metal Roofing Company. 62,452; renewed May 7, 1927.
Roofing and wall-covering purposes, Stamped metal parts used for. Cortright Metal Roofing Company. 62,468–9; renewed May 7, 1927.
Roofing and wall-covering purposes, Stamped metal parts used for. Cortright Metal Roofing Company. 62,531; renewed May 14, 1927.

CLASS 13.

Cooking utensils. Illinois Pure Aluminum Co. 230,828; Aug. 2.
Faucets. A. E. Tomlinson. 230,823; Aug. 2.
Metal braces for furniture. Enamel Products Company. 230,786; Aug. 2. Serial No. 246,019; published May 24, 1927.
Pins, Picture-frame-holding. C. E. Willis. 230,724; Aug. 2; Serial No. 246,189; published May 24, 1927.

Screws, lock washers, rivets, etc., Wood. L. A. Harris. 230,674; Aug. 2; Serial No. 244,864; published May 24, 1927.
Sheet metal and piping. La Belle Iron Works. 65,360; renewed Sept. 24, 1927.

CLASS 14.

Metals and alloys. T. Goldschmidt. 66,044; renewed Nov. 5, 1927.
Metals, Nonferrous. Henry Gardner, Guiterman & Co. 230,650; Aug. 2; Serial No. 236,548; published Mar. 29, 1927.

CLASS 15.

Gasoline. Armould Oil Company. 230,705; Aug. 2; Serial No. 245,318; published May 3, 1927.
Gasoline. James B. Berry's Sons Company of Illinois. 230,830; Aug. 2.
Gasoline. Northern Iowa Oil Co. 230,581; Aug. 2. Serial No. 242,737; published Apr. 26, 1927.
Gasoline. White Star Refining Co. of Delaware. 230,776; Aug. 2; Serial No. 245,771; published May 3, 1927.
Gasoline and lubricating oils. Looboyle Refining Company. 230,700; Aug. 2; Serial No. 245,100; published May 10, 1927.
Gasoline and motor oils. Shaffer Oil & Refining Company. 230,820; Aug. 2.
Gasoline, kerosene, and lubricating oils. Primrose Petroleum Company. 230,793; Aug. 2; Serial No. 246,119; published May 3, 1927.
Gasoline, kerosene, motor oils, etc. H. B. Van Dyne. 230,593; Aug. 2; Serial No. 244,036; published May 10, 1927.
Gasoline, oil, and greases. John Hancock Oil Co. 230,641; Aug. 2; Serial No. 231,540; published Apr. 26, 1927.
Grease, Lubricating. Masury-Young Company. 230,767; Aug. 2; Serial No. 221,753; published Apr. 26, 1927.
Oil for Lubricants, Diluting. Willhelm Oil Company. 230,707; Aug. 2; Serial No. 245,387; published May 17, 1927.
Oil, Mineral. R. T. Vanderbilt Company. 230,577; Aug. 2; Serial No. 242,358; published May 10, 1927.
Oils and greases, Lubricating. E. de Haën A.-G. 230,679; Aug. 2; Serial No. 239,295; published Apr. 26, 1927.
Oils and greases, Lubricating. Jenkin-Guerin Oil Company. 230,714; Aug. 2; Serial No. 245,560; published May 3, 1927.
Oils, Gasoline and kerosene. Herington Oil Company. 230,730; Aug. 2; Serial No. 246,346; published May 17, 1927.
Oils, Lubricating. E. M. Page. 230,680; Aug. 2; Serial No. 239,542; published May 3, 1927.
Oils, Lubricating. Specialty Products Co. 230,701; Aug. 2; Serial No. 245,115; published May 3, 1927.
Oils, Lubricating. P. B. Sullivan. 230,781; Aug. 2; Serial No. 245,935; published May 10, 1927.
Petroleum and products of petroleum. Standard Oil Company of New York. 230,780; Aug. 2; Serial No. 245,934; published May 10, 1927.
Petroleum products. Panhandle Refining Company. 230,770; Aug. 2; Serial No. 223,137; published Apr. 26, 1927.

CLASS 16.

Oil and spirit stains, varnish stain, varnish, etc. S. C. Johnson & Son. 230,757; Aug. 2; Serial No. 182,100; published Sept. 25, 1923.
Paint. Elco Paint Products, Inc. 230,708; Aug. 2; Serial No. 245,480; published May 17, 1927.
Paints. United States Gutta Percha Paint Company. 230,771; Aug. 2; Serial No. 227,376; published May 17, 1927.
Painters' materials. Acme White Lead & Color Works. 66,757; renewed Dec. 24, 1927.
Polish, Furniture. Orchard & Wilhelm Carpet Co. 65,598; renewed Oct. 8, 1927.
Polish, Furniture. Orchard & Wilhelm Carpet Co. 65,727; renewed Oct. 22, 1927.

CLASS 17.

Cigars. Louis Kindling Co. 66,710; renewed Dec. 24, 1927.

CLASS 19.

Automobiles. H. H. Franklin Manufacturing Company. 230,768; Aug. 2; Serial No. 222,023; published May 24, 1927.
Automobiles. Studebaker Corporation. 230,726–7; Aug. 2; Serial No. 246,237–8; published May 24, 1927.
Carriages, Baby. Bilt-Rite Baby Carriage Co. 230,702; Aug. 2; Serial No. 245,135; published May 24, 1927.

CLASS 20.

Linoleum and felt-base floor coverings. Armstrong Cork Company. 230,733; Aug. 2; Serial No. 246,996; published May 24, 1927.
Linoleum and felt-base floor coverings. Armstrong Cork Company. 230,752; Aug. 2; Serial No. 247,406; published May 24, 1927.

CLASS 21.

A batteries, etc., Dry-cell radio. Underwood Battery Company. 230,807; Aug. 2.
Batteries, Storage. Electric Motor & Repair Co. 230,835; Aug. 2.
Battery containers. Continental Rubber Works. 230,826; Aug. 2.
Electric apparatus. Hemco Electric Manufacturing Company. 230,827; Aug. 2.
Electric power current supply devices for radio receiving sets, etc. Stewart Battery Co. 230,821; Aug. 2.
Flatirons, Electric. Chicago Flexible Shaft Company. 230,798–800; Aug. 2.
Fuse plugs. Renu-A-Fuse Company. 230,822; Aug. 2.
Radio apparatus. G. O. Maher. 230,805; Aug. 2.
Radio receiving sets and parts. B. D. Keller. 230,823; Aug. 2.

CLASS 23.

Braces and chucks, Carpenters'. United Hardware & Tool Corporation. 230,739; Aug. 2; Serial No. 247,107; published May 24, 1927.
Conveyers, machinery guards, etc., Power. Logan Company. 230,764; Aug. 2; Serial No. 215,803; published Sept. 28, 1926.
Cutter heads for woodworking machinery. Wisconsin Knife Works, Inc. 230,783; Aug. 2; Serial No. 245,946; published May 24, 1927.
Dusters, heaters, and coolers and parts thereof for printing and enameling machines. B. L. Nicholes & Co. Inc. 230,744; Aug. 2; Serial No. 247,140; published May 24, 1927.
Machines for making printing plates. Addressograph Company. 230,603; Aug. 2; Serial No. 246,801; published May 24, 1927.
Razors. Wester Bros. 230,740; Aug. 2; Serial No. 247,109; published May 24, 1927.
Scoops and shovels. Philadelphia Shovel Co. 230,836; Aug. 2.
Shortening mixer. P. D. Merrill. 230,743; Aug. 2; Serial No. 247,138; published May 24, 1927.
Tools. Bergman Tool Mfg. Co. 230,677; Aug. 2; Serial No. 244,976; published May 24, 1927.
Typewriters. General Typewriter Exchange. 230,716; Aug. 2; Serial No. 245,705; published May 24, 1927.
Wrenches, punches, cold chisels, etc. Diamond Tool Co. 230,761; Aug. 2; Serial No. 205,913; published May 24, 1927.

CLASS 24.

Cleaning systems, Apparatus for renovating gasoline for use in dry-. Holland-Wirt Company. 230,686; Aug. 2; Serial No. 241,159; published May 24, 1927.
Presses, Garment. United States Hoffman Machinery Corporation. 230,637; Aug. 2; Serial No. 229,530; published May 24, 1927.

CLASS 26.

Measuring instruments. Sarco Fuel Saving & Engineering Co. 63,202; renewed June 11, 1927.
Ophthalmic mountings and parts thereof, lenses, Mangin mirrors, etc. Bausch and Lomb Optical Company. 230,592; Aug. 2; Serial No. 243,993; published May 24, 1927.
Pyrometer tubes. Champion Porcelain Company. 230,639; Aug. 2; Serial No. 230,383; published July 13, 1926.
Scales. Phila. Scoop & Scale Mfg. Co. 230,818; Aug. 2.
Temperature indicators for transformers, Maximum-. General Electric Company. 230,643; Aug. 2; Serial No. 235,734; published May 24, 1927.
Weighing hammocks. G. Kline. 230,738; Aug. 2; Serial No. 247,088; published May 24, 1927.

CLASS 27.

Clocks and watches. Etna Watch Company. 230,687; Aug. 2; Serial No. 241,270; published Apr. 26, 1927.
Watches. Dueber-Hampden Watch Company. 230,698; Aug. 2; Serial No. 245,086; published May 17, 1927.
Watches. Goldman Jewelry & Optical Co. 230,773; Aug. 2; Serial No. 245,709; published May 17, 1927.
Watches. Jentleson & Kaplan. 230,775; Aug. 2; Serial No. 245,719; published May 3, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,659; Aug. 2; Serial No. 244,142; published May 17, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,665–7; Aug. 2; Serial Nos. 244,751–3; published May 10, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,668–9; Aug. 2; Serial Nos. 244,754–5; published May 17, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,670; Aug. 2; Serial No. 244,756; published May 10, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,671; Aug. 2; Serial No. 244,757; published May 17, 1927.
Watches and parts thereof. Diel Watch Case Co. 230,672–3; Aug. 2; Serial Nos. 244,759–60; published May 10, 1927.
Watches and parts thereof. Messingwerk Schwarzwald Aktien-Gasellschaft. 230,762; Aug. 2; Serial No. 211,368; published Apr. 26, 1927.
Watches and parts thereof. Waltham Watch Company. 230,678; Aug. 2; Serial No. 238,929; published May 10, 1927.
Watches, clocks, watch movements, etc. M. S. Greenwald. 230,699; Aug. 2; Serial No. 245,092; published May 3, 1927.
Watches, watchcases, watch movements, and parts thereof. Hipp, Didisheim Co. 230,586; Aug. 2; Serial No. 243,152; published Apr. 26, 1927.

Watches, watchcases, watch movements, etc. J. Bikoff & Company. 230,813; Aug. 2.
Watches, watch movements, and parts of the same. S. Weissman Co. 230,584; Aug. 2; Serial No. 242,933; published Apr. 26, 1927.

CLASS 28.

Candlesticks, fruit bowls, salt and pepper shakers, etc., Gold-plated. E. & J. Bass, Inc. 230,574; Aug. 2; Serial No. 242,041; published May 3, 1927.
Candlesticks, fruit bowls, salt and pepper shakers, etc., Silver-plated. E. & J. Bass, Inc. 230,696; Aug. 2; Serial No. 242,040; published May 3, 1927.
Chains, Watch. R. F. Simmons Company. 230,704; Aug. 2; Serial No. 245,304; published May 17, 1927.
Pearl necklaces, brooches, etc. Colonial Bead Co. 230,648; Aug. 2; Serial No. 236,117; published May 17, 1927.
Rubies and sapphires, beads, bracelets, etc., Artificial. Palais Royal, Inc. 230,658; Aug. 2; Serial No. 244,096; published May 10, 1927.
Silverware, Confectioners' and restaurants. A. Kostrinsky. 230,681; Aug. 2; Serial No. 239,938; published Feb. 1, 1927.
Vanity boxes. Napier Co. 230,802; Aug. 2.

CLASS 31.

Filtering and softening water, Apparatus for. J. Astrom. 230,691; Aug. 2; Serial No. 241,554; published May 17, 1927.

CLASS 32.

Beds, Brass and iron. Superior Steel Bed Co. Inc. 230,782; Aug. 2; Serial No. 245,936; published May 24,1027.
Furniture. Thonet-Wanner Company. 230,583; Aug. 2; Serial No. 242,865; published May 24, 1927.

CLASS 33.

Glass, Sheet, window, and plate. Semon Bache & Company. 230,697; Aug. 2; Serial No. 245,520; published May 24, 1927.

CLASS 34.

Furnaces, Heating. Vancouver Sheet Metal & Furnace Works. 230,585; Aug. 2; Serial No. 242,972; published May 24, 1927.
Gas mantles. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 230,777; Aug. 2; Serial No. 245,783; published May 24, 1927.
Gas mantles, Upright and inverted. Duetsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 230,729; Aug. 2; Serial No. 246,333; published May 24, 1927.
Gas mantles, Upright and inverted. Deutsche Gasgluehlicht-Auer-Gesellschaft mit beschraenkter Haftung. 230,789; Aug. 2; Serial No. 246,086; published May 24, 1927.
Heating apparatus, Gas-burning. C. E. Schoenborn. 230,715; Aug. 2; Serial No. 245,585; published May 24, 1927.
Heating plants, Fuel economizer for. R. P. King. 230,595; Aug. 2; Serial No. 246,483; published May 24, 1927.

CLASS 35.

Belts, Woven fabric. J. E. Rhoads & Sons. 230,737; Aug. 2; Serial No. 247,041; published May 24, 1927.
Inner tubes. Cooper Corp. 230,788; Aug. 2; Serial No. 246,081; published May 24, 1927.
Jar rings. United States Rubber Company. 230,588; Aug. 2; Serial No. 243,730; published May 24, 1927.
Tires, rubber and canvas belting, Pneumatic. Gash-Stull Company. 230,606; Aug. 2; Serial No. 246,828; published May 24, 1927.

CLASS 36.

Harmonicas, Mouth. M. Hohner, Inc. 230,711; Aug. 2; Serial No. 245,717; published May 10, 1927.
Musical instrument accessories. J. Schwartz Music Co. Inc. 230,812; Aug. 2.
Musical instruments, Strings for. Henry Stadlmair Co. 230,728; Aug. 2; Serial No. 246,281; published May 10, 1927.
Musical wind instruments. W. M. Griffin. 230,676; Aug 2; Serial No. 244,029; published May 10, 1927.
Phonograph records. Starr Piano Company. 230,710; Aug. 2; Serial No. 245,591; published May 10, 1927.
Phonograph reproducers. S. Eshborn. 230,695; Aug. 2; Serial No. 241,992; published May 3, 1927.
Phonographs and parts thereof and supplies therefor. Brunswick-Balke-Collender Company. 230,779; Aug. 2; Serial No. 245,888; published May 10, 1927.
Phonographs and phonograph sound boxes. P. I. Burks & Co. 230,660; Aug. 2; Serial No. 244,217; published May 17, 1927.
Phonographs and talking machines. Vincennes Phonograph Company. 230,804; Aug. 2.
Phonographs, reproducers, etc. Conley Camera Company. 230,647; Aug. 2; Serial No. 236,008; published May 3, 1927.
Pianos. Milton Piano Company. 230,792; Aug. 2; Serial No. 246,107; published May 10, 1927.
Pianos and player pianos. Foster-Armstrong Company. 230,809–10; Aug. 2.
Pianos, organs, player pianos, etc. Automatic Musical Instrument Company. 230,652; Aug. 2; Serial No. 237,012; published May 17, 1927.
Records, apparatus, etc., Phonograph. Columbia Phonograph Company. 230,819; Aug. 2.
Violins, guitars, mandolins, etc. Volkwien Bros. 230,825; Aug. 2.
Violins, violin outfits, etc. Carl Fischer Inc. 230,688; Aug. 2; Serial No. 241,273; published May 3, 1927.

CLASS 37.

Erasers, Rubber. Eberhard Faber. 66,576; renewed Dec. 10, 1927.
Paper and envelopes, Writing. George B. Hurd & Co. 63,709; renewed July 2, 1927.
Paper, Cover. American Writing Paper Company. 65,873–4; renewed Oct. 29, 1927.
Paper, Typewriter. American Writing Paper Company. 64,956; renewed Sept. 3, 1927.
Paper, Writing and printing. American Writing Paper Company. 65,783–4; renewed Oct. 22, 1927.
Paper, Writing and printing. American Writing Paper Company. 65,974–6; renewed Nov. 5, 1927.
Pencils, penholders, pen points, fountain pens. J. M. Woolson. 230,811; Aug. 2.
Writing and printing paper. American Writing Paper Company. 66,435; renewed Nov. 26, 1927.

CLASS 39.

Boots and shoes, Rubber. Goodyear Rubber Company. 63,493; renewed June 25, 1927.
Hosiery. Paramount Knitting Company. 66,525; renewed Dec. 10, 1927.
Suspenders. C. A. Edgarton Manufacturing Company. 65,921; renewed Oct. 29, 1927.

CLASS 42.

Cotton piece goods. Esmond Mills. 230,746; Aug. 2; Serial No. 247,174; published May 24, 1927.
Cotton piece goods. J. L. Stifel & Sons. 230,599; Aug. 2; Serial No. 246,644; published May 24, 1927.
Elastic webbing. Ansonia O & C Company. 230,719; Aug. 2; Serial No. 245,822; published May 24, 1927.
Fabric of piece goods. N. L. Duryea. 230,660; Aug. 2; Serial No. 246,675; published May 24, 1927.
Fabrics composed of worsted or cotton and worsted and cotton, Dress. Strawbridge & Clothier. 66,481; renewed Dec. 3, 1927.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 230,796; Aug. 2; Serial No. 243,419; published May 24, 1927.
Luncheon sets, tray cloths, tablecloths, and silence cloths. Kenlit Mfg. Co. 230,649; Aug. 2; Serial No. 236,169; published May 24, 1927.
Ribbon, Shoulder-strap. J. C. Penney Company. 230,613; Aug. 2; Serial No. 246,981; published May 24, 1927.
Rugs, Lap. I. B. Kleinert Rubber Company. 230,797; Aug. 2; Serial No. 245,498; published May 24, 1927.
Satin piece goods. R. & H. Simon Company. 230,721; Aug. 2; Serial No. 246,128; published May 24, 1927.
Sheetings and drillings, Cotton. Picken Mills. 230,841; Aug. 2.
Silk crepe in the piece, Heavy. Duplex Silk Mills, Inc. 230,653; Aug. 2; Serial No. 237,018; published May 24, 1927.
Silk in the piece, Canton. Charles Brown & Company. 230,608; Aug. 2; Serial No. 246,884; published May 24, 1927.
Silk piece goods. D. N. Cooke. 230,755; Aug. 2; Serial No. 247,525; published May 24, 1927.
Silk piece goods. Majestic Silk Mills, Inc. 230,751; Aug. 2; Serial No. 247,337; published May 24, 1927.
Silk, wool, cotton, and hair, Piece goods of. Bianchini, Ferier. 230,806; Aug. 2.
Textile fabrics in the piece, Woolen. Atlantic Mills. 230,741; Aug. 2 Serial No. 247,118; published May 24, 1927.
Woolen dress goods and dress fabrics of silk and wool and cotton and wool. Atlantic Mills. 230,824; Aug. 2.
Woolen piece goods. American Woolen Company. 230,604; Aug. 2; Serial No. 246,806; published May 24, 1927.

CLASS 43.

Thread. Gardiner Hall Jr. Company. 230,747; Aug. 2; Serial No. 247,185; published May 24, 1927.

CLASS 44.

Atomizers for perfume and the like. Marcel Franck, Inc. 230,784; Aug. 2; Serial No. 245,978; published May 17, 1927.
Cotton, gauze, etc., Absorbent. U. S. Aseptic Supply Service, Inc. 230,655; Aug. 2; Serial No. 237,426; published May 17, 1927.
Hosiery, Elastic. Horn Surgical Company. 230,839; Aug. 2.
Sanitary napkins. Paper Novelty Company. 230,736; Aug. 2; Serial No. 247,037; published May 17, 1927.
Wearing apparel, Sanitary articles of. Samstag & Hilder Bros. Inc. 230,833; Aug. 2.

CLASS 45.

Ginger ale. Queen City Bottling Company. 230,766; Aug. 2; Serial No. 219,910; published Apr. 27, 1926.

Ginger ale, carbonated water, and root beer. Peacock Ale Co. 230,642; Aug. 2; Serial No. 234,731; published Apr. 19, 1927.
Water, Carbonated. L. D. Childs. 62,830; renewed May 28, 1927.
Water, Mineral. Heinrich Mattoni Aktiengesellschaft. 62,692; renewed May 21, 1927.

CLASS 46.

Bacon, Sliced. Louis Meyer Co. 230,816; Aug. 2.
Candies. S. H. Kress & Co. 230,803; Aug. 2.
Candy. Bunte Brothers. 230,605; Aug. 2; Serial No. 246,813; published May 24, 1927.
Candy. Chase Candy Company. 230,785; Aug. 2; Serial No. 246,015; published May 24, 1927.
Canned and fresh vegetables. Puyallup & Sumner Fruit Growers Association. 230,602; Aug. 2; Serial No. 246,770; published May 24, 1927.
Canned fish. Seacost Canning Company. 230,765; Aug. 2; Serial No. 219,770; published Mar. 8, 1927.
Canned fish, cheese, rice, etc. Guthrie & Co. 230,689; Aug. 2; Serial No. 241,279; published May 3, 1927.
Canned fruits. Everett Fruit Products Company. 230,758; Aug. 2; Serial No. 185,863; published Jan. 6, 1925.
Canned fruits and vegetables. Burt Olney Canning Co. 65,905; renewed Oct. 29, 1927.
Canned fruits and vegetables except canned corn. Burt Olney Canning Co. 66,283; renewed Nov. 19, 1927.
Canned goods. Holbrook Grocery Co. 66,683; renewed Dec. 24, 1927.
Canned salmon. Deep Sea Salmon Company. 230,664; Aug. 2; Serial No. 244,749; published May 24, 1927.
Canned sardines, anchovies, and tunny fish. Angelo Parodi Fu Bartolomeo Societa Anonima. 230,769; Aug. 2; Serial No. 222,573; published May 24, 1927.
Canned sea foods. Holbrook Grocery Co. 66,684; renewed Dec. 24, 1927.
Canned vegetables. Carll Canning Co. 230,601; Aug. 2; Serial No. 246,738; published May 24, 1927.
Cantaloupes, tomatoes, lettuce, etc., Fresh. K. C. Iwata. 230,772; Aug. 2; Serial No. 227,650; published May 3, 1927.
Chicks, Baby. J. T. McClaran. 230,763; Aug. 2; Serial No. 214,606; published July 6, 1926.
Cocoa. William Boardman & Sons Co. 230,837; Aug 2.
Codfish and pure pork sausages. Louis Meyer Co. 230,815; Aug. 2.
Coffee. Levering Coffee Co. 50,048; renewed Feb. 27, 1926.
Coffee. Levering Coffee Co. 65,830; renewed Oct. 22, 1927.
Coffee. Valley City Coffee & Spice Mills. 230,636; Aug. 2; Serial No. 228,713; published May 24, 1927.
Coffee mixture. G. W. McClintock. 230,791; Aug. 2; Serial No. 246,105; published May 24, 1927.
Cookies. Robert A. Johnston Co. 230,692; Aug. 2; Serial No. 241,726; published Feb. 15, 1927.
Cookies. Robert A. Johnston Co. 230,693; Aug. 2; Serial No. 241,728; published Feb. 15, 1927.
Cows, Live. A. L. Fitz Patrick. 230,597; Aug. 2; Serial No. 246,605; published May 24, 1927.
Cows, Live. A. L. Fitz Patrick. 230,656; Aug. 2; Serial No. 237,732; published May 24, 1927.
Fish, Fresh, smoked and salted. G. C. Van Camp. 230,834; Aug. 2.
Flour, Wheat. Durst Milling Co. 230,814; Aug. 2.
Flour, Wheat and corn. J. C. Kullmann. 230,831; Aug. 2.
Fruits and fresh vegetables, Fresh citrous and deciduous. H. N. Koehler. 230,753; Aug. 2; Serial No. 247,482; published May 24, 1927.
Fruits, Fresh citrous. Mission Citrus Association. 230,754; Aug. 2; Serial No. 247,485; published May 24, 1927.
Ham. Louis Meyer Co. 230,817; Aug. 2.
Jams, jellies, and crushed fruits. Hewlett Bros. Company. 230,774; Aug. 2; Serial No. 245,715; published May 24, 1927.
Pork, Minced. Louis Burk, Inc. 230,808; Aug. 2.
Raisins and grapes, Preserved and canned. Rubyette Co. 230,706; Aug. 2; Serial No. 245,374; published May 24, 1927.
Sirup, Cane. New Orleans Coffee Company. 230,838; Aug. 2.
Tea. A. Ethridge & Co. 64,283; renewed July 30, 1927.

CLASS 48.

Malt preparations. Borcherdt Extract Company. 64,467; renewed Aug. 6, 1927.
Malt preparations, plain and medicated malt extracts, Medicinal. Borcherdt Malt Extract Company. 64,481; renewed Aug. 6, 1927.

CLASS 50.

Leather, Artificial. Boston Artificial Leather Company. 66,093; renewed Nov. 12, 1927.

ALPHABETICAL LIST OF LABELS.

Capitol Silk Washable. For Silk Piece Goods. Capitol Silk Corporation. 32,502; Aug. 2.
Carigas Emergency Gasoline Tank. For Shipping and Storage Vessels or Containers. J. C. Mewshaw. 32,513; Aug. 2.
Carlton Club. For Carbonated Table or Drinking Water. Canada Dry Ginger Ale, Incorporated. 32,501; Aug. 2.
Chic-A-Dee Need-Em. For Candy. Maine Confectionery Co. 32,511; Aug. 2.
Fearless. For Fresh Oranges. Orange Mutual Citrus Association. 32,521; Aug. 2.
Gemelli. For Olive Oil. A. L. Zamboni. 32,529; Aug. 2.
Great American. For Canned Evaporated Milk. Great American Stores Co. 32,506; Aug. 2.
Hairaide Hair and Scalp Shampoo Soap. For a Cleansing and Medicinal Soap for the Hair and Scalp. I. McEwen. 32,512; Aug. 2.
Milk Charleston Chew! For Candy. Fox-Cross Candy Company. 32,505; Aug. 2.
Nature's. For Tooth Paste. Nature's Toothpaste Corporation. 32,519; Aug. 2.
Noks. For a Chemical Liquid Which is Used for Taking Spots Out of Goods, Furniture, Leathers, and Other Materials. H. Segall. 32,525; Aug. 2.
Old Dutch Cocoa. For Cocoa. Guittard Chocolate Co., 32,507; Aug. 2.
Orange King. For Fresh Oranges. Orange Mutual Citrus Association. 32,520; Aug. 2.
Pallo. For Ladies' Footwear. Palace Clothing Company. 32,522; Aug. 2.
Pell-Can. For Garbage Cans or Receptacles. F. J. Mulhern. 32,518; Aug. 2.
Proon Shine. For Prunes and Prune Sirup. E. Dencer. 32,503; Aug. 2.
Pullman Loaf. For Bread. Preston E. Roberts, Inc. 32,523; Aug. 2.
Q-Boy. For Macaroni. Joliet Macaroni Company. 32,508; Aug. 2.
S. M. A. For Food Product for Infants. Laboratory Products Company. 32,509; Aug. 2.
Savex. For Granulated Soap. Sierra Chemical Company. 32,526; Aug. 2.
Septoline. For a Chemical Liquid Which is Used in Healing as an Antiseptic, as a Prophylactic, and as a Deodorant. H. Segall. 32,524; Aug. 2.
'Spike' Kelly. For a Near Beer or Nonalcoholic Cereal Beverage. W. D. Elrinberg. 32,504; Aug. 2.
Stony Brook. For Eggs. C. R. & W. J. Sutherland. 32,527; Aug. 2.
Wood's Fut Fix. For Wood's Fut Fix. E. H. Wood. 32,528; Aug. 2.
World's Guaranteed Best, Sure Insect Exterminator, Denverado Roach Bouncer. For Insect, Rat, and Mice Poison. C. E. MacDonald. 32,510; Aug. 2.
Yorkshire Farm. For Pimiento Cheese. John Morrell & Co. 32,514; Aug. 2.
Yorkshire Farm. For Limberger Cheese. John Morrell & Co. 32,515; Aug. 2.
Yorkshire Farm. For Brick Cheese. John Morrell & Co. 32,516; Aug. 2.
Yorkshire Farm. For Sharp Cheese. John Morrell & Co. 32,517; Aug. 2.

ALPHABETICAL LIST OF PRINTS.

Always Found in Good Company. For Coffee. J. A. Folger & Co. 10,092; Aug. 2.
Black Admiral Block. For Coal. W. S. Harman. 10,094; Aug. 2.
Efficiency Hocking. For Coal. W. S. Harman. 10,095; Aug. 2.
Kolynos. For Dentrifices. Kolynos Co. 10,096; Aug. 2.
Pleaso Breath. For Pleaso Breath Tablets. J. C. Crowe. 10,091; Aug. 2.
Red Man Hocking. For Coal. W. S. Harman. 10,093; Aug. 2.
The Champagne of Orange Drinks! For Orange Drink. T. G. Soffos. 10,098; Aug. 2.
Tigerloy Brake Drums. For Brake Drums. Massillon Steel Casting Company. 10,097; Aug. 2.
Tune in on Your Radio Thursday Night Clicquot Club Ginger Ale Eskimos. For Ginger Ale. Clicquot Club Company. 10,090; Aug. 2.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2d DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aab, William, New Ulm, Minn. Aligning and reaming machine for connecting rods. 1,637,508; Aug. 2.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrode for electrolytic condensers. 1,637,328; Aug. 2.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,637,329; Aug. 2.

Abbe, George C., and R. C. Williamson, assignors to American Road Machinery Company, Inc., Kennett Square, Pa. Road roller and scarifier. 1,637,720; Aug. 2.

Abbott, Geoffrey J., London, England. Power-transmission pulley. 1,637,402; Aug. 2.

Abbott, Henry H., New York, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 1,637,403; Aug. 2.

Abel, Frederick H. (See Lowry, C. A., and Abel.)

Abrams, Solomon, Hayward, Calif. Foldable bed. 1,637,845; Aug. 2.

Acme Printing Appliance Co., The. (See Daane, Arthur J., assignor.)

Adams, Arthur J., Bay City, Mich., assignor to W. S. Ferris, Elkhart, Ind., now trading as Domore Chair Company. Swiveling chair. 1,637,846; Aug. 2.

Adams & Westlake Company, The. (See Levan, John F., assignor.)

Adler, Victor E., Los Angeles, Calif. Ring for a banjo. Des. 73,154; Aug. 2.

A'Hearn, Frank M., and E. F. Richardson, Greenville, Pa. Wheel-machining apparatus. 1,637,330; Aug. 2.

Ainsworth Manufacturing Company. (See Potter, A. T., and Medville, assignors.)

Aird, Clarence W. (See Riches, C. H., and Aird.)

Airship Guarantee Company. (See Wallis, B. N., and Burney, assignors.)

Alemite Die-Casting & Mfg. Co. (See Gullborg, John S., assignor.)

Alexander, Carl Z., West Livingston, and E. S. Alexanders, Newark, assignors, by mesne assignments, to E. C. Seward, Jersey City, N. J. Steam-boiler attachment. 1,637,721; Aug. 2.

Alexander, Earl S. (See Alexander, Carl Z. and E. S.)

Allatt, Thomas, Westfield, N. J., assignor, by mesne assignments, to Millie Patent Holding Co. Inc., New York, N. Y. Bag-closing machine. 1,637,509; Aug. 2.

Alleman, Gellert, Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Mineral-oil derivative and making same. 1,637,510; Aug. 2.

Allen, Frederick C., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Boring machine. 1,637,759; Aug. 2.

Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. 1,637,925; Aug. 2.

Altorfer, Alpheus W., Peoria, Ill. Wringer. 1,637,630; Aug. 2.

Amargós, José L., San Manuel, Cuba. Stalk-cutting attachment for plows. 1,637,926; Aug. 2.

American Chain Company. (See Fageol, Rollie B., assignor.)

American Engineering Company. (See Schultz, John L., assignor.)

American Laundry Machinery Company, The. (See Waream, Charles E., assignor.)

American Liquid Meter Company. (See Bassler, Carlos J., assignor.)

American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)

American Machine & Foundry Company. (See Bronander, W. B., and Leary, assignors.)

American Machine & Foundry Company. (See Hawkins, Wilford J., assignor.)

American Multigraph Company, The. (See Osborn, Henry C., assignor.)

American Road Machinery Company. (See Abbe, G. C., and Williamson, assignors.)

American Steel Pipe and Tank Co. (See Kilham, Oliver W., assignor.)

American Stove Company. (See Nicolaus, Frederic G., assignor.)

American Telephone and Telegraph Company. (See Abbott, Henry H., assignor.)

American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)

American Telephone and Telegraph Company. (See Klein, Charles H., assignor.)

American Tool Works Company, The. (See Sosa, Augustus M., assignor.)

Anderson, Charles E., Sioux Falls, S. Dak. Smoker's tray. 1,637,978; Aug. 2.

Anderson, Frank O. (See Atkins, D., jr., Anderson, and Lindsey.)

Andrews, Edward F., assignor to Andrews-Hammond Corporation, Chicago, Ill. Electrode for rectifiers and electrolytic condensers. 1,637,795; Aug. 2.

Andrews-Hammond Corporation. (See Andrews, Edward F., assignor.)

Andrews, Isaac, Spartanburg, S. C. Loom harness support. 1,637,796; Aug. 2.

Angell, Earl B., Troy, Mont. Memorandum device. 1,637,672; Aug. 2.

Angle, Glenn D., Detroit, Mich. Articulated connecting rod. 1,637,979; Aug. 2.

Ansco Photoproducts, Inc. (See Bornmann, Carl, assignor.)

Ansco Photoproducts, Inc. (See Slocum, Benjamin A., assignor.)

Ansingh, Herman K. (See Randall, K. C., and Ansingh.)

Arbon, Paul, Tulsa, Okla. Making drilling jars. 1,637,511; Aug. 2.

Armour & Company. (See Heicke, Adolf, assignor.)

Arnold, Edgar, Kent, Ohio. Planter. 1,637,980; Aug. 2.

Arrow Electric Company, The. (See Nero, Arvid H., assignor.)

Arton, John A., Chicago, Ill. Convertible furniture. 1,637,797; Aug. 2.

Ash, Horace W., Winchester, Mass. Storing and handling apparatus for asphalt. 1,637,889; Aug. 2.

Ashby, Brodie H., et al. (See Liles, Thomas O., assignor.)

Atkins, Charles H., Palmer, Mass. Drainage of steam chambers. 1,637,327; Aug. 2.

Atkins, Dudley, jr., F. O. Anderson, and E. E. Lindsey, Minneapolis, Kans. Ditch-maintaining drag. 1,637,673; Aug. 2.

Austin, Raymond L., assignor to Bovaird & Seyfang Manufacturing Company, Bradford, Pa. Control mechanism. 1,637,722; Aug. 2.

Automotive Valves Corporation, The. (See Burtnett, Everett R., assignor.)

Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash construction. 1,637,723; Aug. 2.

Backeland, Leo H., Yonkers, assignor to Bakelite Corporation, New York, N. Y. Resinous condensation products from dihydroxydiphenylethane and reactive methylene bodies and making same. 1,637,512; Aug. 2.

Bakelite Corporation. (See Backeland, Leo H., assignor.)

Baker, Erle K., assignor to Baker Reduction Gear Company, Detroit, Mich. Planetary reduction gear. 1,637,847; Aug. 2.

Baker, George E., Chicago, Ill. Collapsible tube with an unlosable cap. 1,637,890; Aug. 2.

Baker Reduction Gear Company. (See Baker, Erle K., assignor.)

Baldwin, Donald C., New York, N. Y. Picture hanger. 1,637,981; Aug. 2.

Ballew, James C., Akron, Ohio. Tire and rim. 1,637,599; Aug. 2.

Banninga, Herman P., Muskegon, Mich. Dustless ash system. 1,637,982; Aug. 2.

Barber Asphalt Company, The. (See Forrest, Charles N., assignor.)

Barber Asphalt Company, The. (See Moriarty, John H., assignor.)

Barber, Howard M., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Driving mechanism for printing presses. 1,637,848; Aug. 2.

Barbieri, Angelo, Milan, Italy. Electric musical recorder. 1,637,674; Aug. 2.

Bardwell, Ralph S., assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lantern roof. Des. 73,155; Aug. 2.

Bardwell, Ralph S., assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lighting-fixture bracket. Des. 73,156; Aug. 2.

Barrows, Alford C., assignor to Economy Baler Company, Ann Arbor, Mich. Bale-dividing device. 1,637,543; Aug. 2.

Barrows, Donald S., Rochester, N. Y. Side frame. 1,637,724; Aug. 2.

Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)

Bartol, George E., jr., Ardmore, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Pencil sharpener. 1,637,849; Aug. 2.

Bassick Company, The. (See Moore, Raymond G., assignor.)

Bassler, Carlos J., assignor to American Liquid Meter Company, Portland, Oreg. Variable valve-operating means for fluid meters. 1,637,850; Aug. 2.

Bates, Adelmer M. deceased; C. H. Bates, administratrix, assignor to Bates Valve Bag Company, Chicago, Ill. Method of and apparatus for packaging material. 1,637,891; Aug. 2.

Bates, Clara H., administratrix. (See Bates, Adelmer M.)

Bates Valve Bag Company. (See Bates, Adelmer M., assignor.)

Batts, David A., Atlanta, Ga. Combined shade roller and holding means for windows. 1,637,798; Aug. 2.

Baxter, William C., assignor to E. M. Trimble Mfg. Co., Inc., Rochester, N. Y. Canopy or tent. 1,637,725; Aug. 2.

Beardsley, Robert, Chicago, Ill. Lamp. Des. 73,157; Aug. 2.

Becker, Albert H. (See Nichol, Orr T., assignor.)

Beckley, Joseph C., Tampa, Fla. Orchard heater. 1,637,983; Aug. 2.

Beintema, Tjebbe D., Leighton, Iowa. End-gate scoop board. 1,637,631; Aug. 2.

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Combination electrical connecter and fixture support. 1,637,463; Aug. 2.

Benner, Winthrop W., Cuyahoga Falls, and E. A. Hoener, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Compensating mechanism. 1,637,892; Aug. 2.

Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Apparatus for supplying fuel oil to furnaces. 1,637,368; Aug. 2.

Bennett, Elmar W. (See Davis L., and Bennett.)

Bennett, Irene E. (See Bennett, Ashley C., assignor.)

Berg, Charles C., Detroit, Mich. Lubricating apparatus for internal-combustion engines. 1,637,600; Aug. 2.

Bergeim, Frank H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing explosives. 1,637,726; Aug. 2.

Berkowitz, Aaron, Newark, N. J. Attachment for parasol and umbrella handles. 1,637,434; Aug. 2.

Berman, Joseph. (See Hilton, Roland C., assignor.)

Beskow, Bernhard M., Clearwater, Fla. Hair waver or crimper. 1,637,893; Aug. 2.

Bessemer, Gottlieb, Chicago, Ill. Smoker's article. 1,637,984; Aug. 2.

Bianca, Joseph C., jr., Scranton, Pa. Mortising machine. 1,637,464; Aug. 2.

Bierman, Edwin W., assignor to Standard Four Tire Co., Keokuk, Iowa. Tubular molding apparatus. 1,637,465; Aug. 2.

Bierman, Edwin W., assignor to Standard Four Tire Co., Keokuk, Iowa. Tube-splicing method. 1,637,466; Aug. 2.

Bierman, Edwin W., assignor to Standard Four Tire Co., Keokuk, Iowa. Cuffing device for inner tubes. 1,637,467; Aug. 2.

Bierman, Harry C., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Molded gear. 1,637,331; Aug. 2.

Birchfield Engineering Company Limited. (See Chisholm, Douglas W., assignor.)

Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Wilmington, Del. Phonograph record. 1,637,544; Aug. 2.

Bishop, Oakley M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chloro-derivatives of N-dihydro-1,2,1',2'-anthraquinone-azine and making same. 1,637,851; Aug. 2.

Blanchard, Frederick C. (See Lea, Charles, assignor.)

Bloser, Edward G., jr., Philadelphia, Pa. Rubber heel. 1,637,675; Aug. 2.

Boe, Hans M., Minneapolis, Minn. Pump construction. 1,637,727; Aug. 2.

Boehringer, John A., Springfield, assignor to Star Chandelier Co. Inc., New York, N. Y. Shield for lighting fixtures or similar articles. Des. 73,158; Aug. 2.

Boehringer, John A., Springfield, assignor to Star Chandelier Co. Inc., New York, N. Y. Shield for lighting fixtures or similar articles. Des. 73,159; Aug. 2.

Boehringer, John A., Springfield, assignor to Star Chandelier Co. Inc., New York, N. Y. Shield for lighting fixtures or similar articles. Des. 73,160; Aug. 2.

Bogan, Edgar P., Detroit, Mich. Control device for heating apparatus. 1,637,369; Aug. 2.

Boner, Halbert E., Los Angeles, Calif. Contacting means. 1,637,468; Aug. 2.

Bonn, Carl R. H., Hillhead, Glasgow, Scotland. Flow meter. 1,637,927; Aug. 2.

Bonnemaison, Paul, Paris, France. Ship's hull. 1,637,677; Aug. 2.

Bonus Candy Corporation. (See Lanzl, Elmo G., assignor.)

Bornmann, Carl, assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Safety catch for shutters. 1,637,513; Aug. 2.

Bosworth, Arthur H., Wichita, Kans. Container for eyebrow pencils and the like. 1,637,545; Aug. 2.

Bourke, Edmund, Footscray, near Melbourne, Victoria, Australia. Riddle. 1,637,728; Aug. 2.

Bovaird & Seyfang Manufacturing Company. (See Austin, Raymond L., assignor.)

Bowers, Frank, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 1,637,546; Aug. 2.

Bown, Ralph, East Orange, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,637,404; Aug. 2.

Bradley, Linn, Montclair, N. J., and E. P. McKeefe, New York, N. Y. Production of caustic alkali, etc. 1,637,514; Aug. 2.

Bradley, Linn, Montclair, N. J., and E. P. McKeefe, New York, N. Y., assignors to Bradley-McKeefe Corporation. Treatment of residual liquors. 1,637,515; Aug. 2.

Bradley-McKeefe Corporation. (See Bradley, L., and McKeefe, assignors.)

Brandenburg, Wilson C., Weston, W. Va., assignor to General Electric Company. Recording instrument. 1,637,822; Aug. 2.

Brantford Oven & Rack Co, Limited, The. (See Riches, C. H., and Aird, assignors.)

Braun, Philip N., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing-machine control. 1,637,729; Aug. 2.

Bredt, Charles E., Mahanoy City, Pa. Clinical thermometer. 1,637,760; Aug. 2.

Brewer, Robert W. A., Philadelphia, assignor to H. F. Pitcairn, Bryn Athyn, Pa. Construction and mounting of a valve-sealing mechanism for internal-combustion engines. 1,637,799; Aug. 2.

Brilliant, Morris R., Roxbury, Mass. Muffler. 1,637,516; Aug. 2.

Bristow, Bruce A., assignor of one-third to W. A. Chamberlain and one-third to D. Z. Bristow, Toronto, Ontario, Canada. Game apparatus. 1,637,517; Aug. 2.

Bristow, Dudley A., et al. (See Bristow, Bruce A., assignor.)

Bronander, Wilhelm B., Montclair, N. J., assignor to International Cigar Machinery Company. Device for feeding scrap tobacco. 1,637,800; Aug. 2.

Bronander, Wilhelm B., Montclair, N. J., assignor to Standard Tobacco Stemmer Company. Tobacco-stemming mechanism. 1,637,801; Aug. 2.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Cigarette-machine cut-off. 1,637,803; Aug. 2.

Bronander, Wilhelm B., Montclair, and J. W. Leary, Bloomfield, N. J., assignors to American Machine & Foundry Company. Package and making the same. 1,637,802; Aug. 2.

Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Quick detachable cap. 1,637,332; Aug. 2.

Brookby, Harry E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Light-weight gypsum product. 1,638,001; Aug. 2.

Brooks, Lucile A., Seattle, Wash. Cording device. 1,637,804; Aug. 2.

Broslus, Edgar E., Pittsburgh, Pa. Mud gun. 1,637,405; Aug. 2.

Brown Company. (See Richter, George A., assignor.)

Brown, Haughton, Minneapolis, Minn. Insulating material. 1,637,547; Aug. 2.

Brown, James C., Newark, N. J., assignor to E. Frederics, Inc., New York, N. Y. Hair-treating method and composition. 1,637,469; Aug. 2.

Brown, Leslie A., assignor to International Silver Co., Meriden, Conn. Hollow handle for metal vessels. 1,637,853; Aug. 2.

Brown-Lipe Gear Company. (See Carhart, George C., assignor.)

Brown, Thomas G., St. Laurent de Montreal, Quebec, assignor to Gurney Foundry Company, Limited, Toronto, Canada. Electric oven. 1,637,435; Aug. 2.

Brown, William F., Tottenville, N. Y. Vehicle fender. 1,637,632; Aug. 2.

Brumder, William C., Milwaukee, Wis. Golf goggles. 1,637,406; Aug. 2.

Brumder, William C., Milwaukee, Wis. Putting apparatus. 1,637,407; Aug. 2.

Brunk, Mary V., and D. D. Harrison, Kansas City, Mo. Frock. 1,637,518; Aug. 2.

Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)

Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)

Buckeye Steel Castings Company, The. (See Stertsbach, H. W., and Hansen, assignors.)

Budd Wheel Company. (See Tarbox, John P., assignor.)

Bugbee, Lucian W., jr., Indianapolis, Ind., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Curvature-measuring device. 1,637,408; Aug. 2.

Burbach, John, Bangor, Wis. Draft coupling. 1,637,854; Aug. 2.

Burbank, Louis S., Worcester, Mass. Dispensing top. 1,637,546; Aug. 2.

Burgess Battery Company. (See Ring, Hans A., assignor.)

Burney, Charles D. (See Wallis, B. N., and Burney.)

Burns, Jabes, & Sons, Inc. (See Kopf, Joseph L., assignor.)

Burtnett, Everett R., Los Angeles, Calif., assignor to The Automotive Valves Corporation, Reno, Nev. Cylinder head for sleeve-valve internal-combustion engines. 1,637,519; Aug. 2.

Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 1,637,928; Aug. 2.

Bussey, Hugh, East St. Louis, Ill. Spreader. 1,637,601; Aug. 2.

Buswell, Cecil J., Wallingford, England. Harrow. 1,637,633; Aug. 2.

Butler, Henry R., assignor of one-half to T. H. Cook, Oakland, Calif. Muffler cut-out. 1,637,761; Aug. 2.

Butler, William J., Cranston, assignor to Henry Lederer & Bro. Inc., Providence, R. I. Cigar lighter. 1,637,855; Aug. 2.

C. Howard Hunt Pen Company. (See Bartol, George E., jr., assignor.)

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash construction. 1,637,731; Aug. 2.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash construction. 1,637,732; Aug. 2.

Campbell, Harry E., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window frame and sash construction. 1,637,733; Aug. 2.

Campbell, J. B., Manufacturing Company, The. (See Campbell, John B., assignor.)

Campbell, John B., assignor to The J. B. Campbell Manufacturing Company, Salem, N. J. Floor covering. 1,637,762; Aug. 2.

Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)

Cameron, Lyle J., Blundellsands, near Liverpool, England. Harvesting machine. 1,637,730; Aug. 2.

Cameron, Oscar J., Luling, Tex. Chuck. 1,637,436; Aug. 2.

Camilla, Stefano, and F. Pagliani, Turin, Italy. Apparatus for cleaning, peeling, or shelling corn, grains, and the like. 1,637,678; Aug. 2.

Canfield, Henry H. (See Isbell, W. A., and Canfield.)

Cannon Manufacturing Company. (See Flannery, Burt V., assignor.)

Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Friction clutch. 1,637,734; Aug. 2.

Carlson, Charles J., and O. M. Elton, Helena, Mont. Steam boiler. 1,637,929; Aug. 2.

Carpenter, David E., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Container. 1,637,333; Aug. 2.

Carr Fastener Company. (See Elwell, George H., assignor.)

Carson, J. A. (See Prowense, Joseph S., assignor.)

Carter, Charles J., Kansas City, Mo. Flooring. 1,637,634; Aug. 2.

Case, Francis M., Cleveland Heights, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,637,437; Aug. 2.

Catucci, Pliny, Newark, N. J. Click check for reels. 1,637,334; Aug. 2.

Cauda, Ernesto, Quinto al Mara, Genoa, Italy. Cinematic apparatus. 1,637,409; Aug. 2.

Celanese Corporation of America. (See Small, F. T., and Dickie, assignors.)

Celentano, Frank. (See Davis, W. H. H., and Celentano.)

Central Electric Tool Company. (See Weyandt, Carl S., assignor.)

Chace, William M., Detroit, Mich. Thermometer. 1,637,805; Aug. 2.

Chamberlain, W. Allen, et al. (See Bristow, Bruce A., assignor.)

Chandler, Daniel L., Boston, Mass. Puzzle. 1,637,602; Aug. 2.

Chandler, Daniel L., Worcester, assignor, by mesne assignments, to William H. Whitcomb, Newton, Mass. Coin receptacle. 1,637,549; Aug. 2.

Chaplin, Walter L., Syracuse, assignor to The Smith-Lee Company, Oneida, N. Y. Bottle cap. 1,637,470; Aug. 2.

Chapman-Stein Furnace Co., The. (See Culbertson, Albert L., assignor.)

Chase Companies. (See Recker, Adolph C., assignor.)

Cheetham, George A., Manchester, England, assignor to Westinghouse Electric & Manufacturing Company. Volt-ampere-hour meter. 1,637,370; Aug. 2.

Chicago-Cleveland Car Roofing Company. (See Finney, H. F., and Jacobs, assignors.)

Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)

Chicago-Cleveland Car Roofing Company. (See Wright, William, assignor.)

Children's Clinical Laboratory. (See Vaughan, Robert J., assignor.)

Chilton, Roland, Keyport, N. J., assignor to Healey-Aeromarine Bus Company, Inc. Self-aligning gear mounting. 1,637,806; Aug. 2.

Chisholm, Douglas W., Garnkirk, Scotland, assignor to The Birchfield Engineering Company Limited, Cardiff, Wales. Tube-welding machine. 1,637,679; Aug. 2.

Christensen, Christen, Chicago, Ill. Lawn mower. 1,637,603; Aug. 2.

Christie, Charles H. (See Stilwell, R. O., and Christie.)

Christman, Peter J., jr., assignor to Paper Converting Machine Co., Green Bay, Wis. Interfolding machine. 1,637,550; Aug. 2.

Chrome Steel Works. (See Currie, William, assignor.)

Chryst, William G., Philadelphia, Pa. Screen inclosure. 1,637,335; Aug. 2.

Cincinnati Butchers' Supply Company, The. (See Schmidt, O. C., and Klawitter, assignors.)

Cincinnati Grinders Incorporated. (See Kern, Fred M., assignor.)

Cirelli, Francesco, Philadelphia, Pa. Amplifying horn. 1,637,488; Aug. 2.

Clark, Edward E., Kansas City, Mo., assignor, by mesne assignments, to H. W. Jacobs and U. S. Weary, Junction City, Kans. Antivibrating device. 1,637,604; Aug. 2.

Clark, J. R., Company. (See Kalgren, John E., assignor.)

Clarke, John Q., Crawfordsville, Ind. Safety burial vault or casket. 1,637,471; Aug. 2.

Clarkson, Thomas, London, England. Steam generator or water heater. 1,637,680; Aug. 2.

Clarkson, Thomas, London, England. Steam generator or water heater. 1,637,681; Aug. 2.

Clarkson, Thomas, London, England. Steam generator. 1,637,682; Aug. 2.

Clarkson, Thomas, London, England. Steam generator or water heaters. 1,637,683; Aug. 2.

Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Golf tee. 1,637,551; Aug. 2.

Clegg, Edwin R., La Fayette, Ind. Roller-shade bracket. 1,637,763; Aug. 2.

Clemence, Magnien, Coffeyville, Kans. Method of and apparatus for waving hair. 1,637,605; Aug. 2.

Cléret, Albert, Paris, France. Signaling apparatus for road traffic. 1,637,684; Aug. 2.

Cleveland Rock Drill Company, The. (See Nell, G. M., and Kale, assignors.)

Cline, Daniel L., Medford, Okla. Mercantile credit form. 1,637,985; Aug. 2.

Clow, James B., & Sons. (See Wernlé, Karl A., assignor.)

Coblentz, William W., Washington, D. C., assignor to Secretary of Commerce of the United States as trustee for the Government of the United States and the People of the United States. Eye-protective glass. 1,637,439; Aug. 2.

Coleman, William C., Wichita, Kans. Centrifugal machine. 1,637,552; Aug. 2.

Coleman, William C., Wichita, Kans. Receptacle-supporting means. 1,637,553; Aug. 2.

Coleman, William C., Wichita, Kans. Heating stove. 1,637,554; Aug. 2.

Coles, Thomas, Homestead, Pa. Pressure regulator. 1,637,764; Aug. 2.

Collins, Charles W., Seattle, Wash. Power device for operating car brakes. 1,637,440; Aug. 2.

Collinson, Stanley E., Newton Center, Mass. Golf club and making the same. 1,637,735; Aug. 2.

Commercial Shearing and Stamping Company, The. (See Cushwa, Charles B., assignor.)

Comstock, Charlie A., Fullerton, Calif. Piston and connecting-rod construction. 1,637,765; Aug. 2.

Conant, George M. (See Conant, Leon B., assignor.)

Conant, Leon B., Cambridge, assignor to G. M. Conant, Bridgewater, Mass. Mold for combination heels. 1,637,441; Aug. 2.

Conrader, Rudolph, Erie, Pa. Gate valve. 1,637,736; Aug. 2.

Continental Optical Corporation. (See Bugbee, Lucian W., jr., assignor.)

Cook, Albert E., Evanston, assignor to C. B. Cook, Chicago, Ill. Sectional pontoon. 1,637,336; Aug. 2.

Cook, Charles B. (See Cook, Albert E., assignor.)

Cook, Harry, Sag Harbor, assignor to Joseph Fabys & Co., New York, N. Y. Making watchcases. 1,637,337; Aug. 2.

Cook, Theodore H. (See Butler, Henry R., assignor.)

Cooper, Allyn R., Marshalltown, Iowa. Dash control. 1,637,737; Aug. 2.

Coote, John M., Elizabeth, N. J., assignor to Coote Products Corporation, New York, N. Y. Electrical testing apparatus. 1,637,472; Aug. 2.

Coote Products Corporation. (See Coote, John M., assignor.)

Cordo-Hyde Co. (See Eddins, Sextus A., assignor.)

Corley, Marshal D., Norphlet, Ark. Lubricant-transporting receptacle. 1,637,635; Aug. 2.

Corona Corporation. (See Dahl, Thure, assignor.)

Coryell, William C., assignor, by mesne assignments, to Truscon Steel Company, Youngstown, Ohio. Coated metal lath. 1,637,410; Aug. 2.

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Cough, Adoniram B., Watertown, Mass. Dental cleansing device. 1,637,738; Aug. 2.

Cowles, Charles E., El Paso, Tex. Directory. 1,637,685; Aug. 2.
Cox, Abram, Stove Company. (See Mott, Abram C., jr., assignor.)
Coyle, Joseph L., Los Angeles, Calif. Processing machine. 1,637,686; Aug. 2.
Crane, John T., Los Angeles, Calif. Brake. 1,637,894; Aug. 2.
Crewdson, Eric, Kendal, England. Control of prime movers. 1,637,636; Aug. 2.
Cross, Frank L., Port Washington, N. Y., assignor to Cross Paper Feeder Company. Sheet-feeding machine. 1,637,555; Aug. 2.
Cross Paper Feeder Company. (See Cross, Frank L., assignor.)
Culbertson, Albert L., assignor to The Chapman-Stein Furnace Co., Mount Vernon, Ohio. Furnace and operating the same. 1,637,473; Aug. 2.
Cullinan, Michael P., Laredo, Tex. Glareshield for headlights. 1,637,895; Aug. 2.
Culver, Edwin S. (See Oliver, W. H., and Culver.)
Currie, William, assignor to Chrome Steel Works, Carteret, N. J. Screen grate for ball mills. 1,637,986; Aug. 2.
Cushwa, Charles B., assignor to The Commercial Shearing and Stamping Company, Youngstown, Ohio. Pallet. 1,637,411; Aug. 2.
Cyclo Corporation. (See Lee, J. H., and Honig, assignors.)
Daane, Arthur J., assignor to The Acme Printing Appliance Co., Chicago, Ill. Ink-distributing roller. 1,637,807; Aug. 2.
Dahl, Thure, assignor to Corona Corporation, New York, N. Y. Lamp-shade holder. 1,637,739; Aug. 2.
Dake, Charles W., Chicago, Ill. Turbo blower. 1,637,474; Aug. 2.
Davis & Bennett, Inc. (See Davis, L., and Bennett, assignors.)
Davis, John. (See Lorenz, E. H., and Davis.)
Davis, Lewis, Worcester, and E. W. Bennett, Westboro assignors to Davis & Bennett, Inc., Worcester, Mass. Wax emulsion. 1,637,475; Aug. 2.
Davis, Ralph C., Brockton, assignor of one-half to J. J Moriarty, Boston, Mass. Card index. 1,637,856; Aug. 2.
Davis, William H. H., and F. Celentano, assignors of one-half to said Davis and one-half to H. White, San Francisco, Calif. Hairpin. 1,637,766; Aug. 2.
Day, Percy C., assignor to The Falk Corporation, Milwaukee, Wis. Elevator drive. 1,637,476; Aug. 2.
Dayton Steel Racquet Company, The. (See Norton, Harold W., assignor.)
De Armond, William C., and W. R. H. Watt, Philadelphia, Pa. Mixed-beverage-vending apparatus. 1,637,808; Aug. 2.
Delano, William H., Saugus, Calif. Sanitary straw-vending machine. 1,637,767; Aug. 2.
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Delgado, Vernon N., Waco, Tex. Insect-exterminating machine. 1,637,477; Aug. 2.
De Luxe Lamp Mfg. Co. (See Rekar, Jay J., assignor.)
Dement, Isaac S., assignor to Printing Index Company, Dayton, Ohio. Registering device. 1,637,606; Aug. 2.
Denaro, James, Cambridge, Mass. Edible container for ice cream. 1,637,556; Aug. 2.
Depue, Roy, Milford, Iowa. Barber's dispensing bottle. 1,637,557; Aug. 2.
Derujinsky, Gleb W., assignor to Sterling Bronze Company, New York, N. Y. Emblem for automobile hoods and radiators. Des. 73,161; Aug. 2.
De Ville, Walter, assignor to East Liverpool Potteries Company, East Liverpool, Ohio. Plate or similar article. Des. 73,162; Aug. 2.
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Dickie, William A. (See Small, F. T., and Dickie.)
Dictaphone Corporation. (See Carpenter, David E., assignor.)
Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
Dimatos, Archie, and G. D. Michal, Sydney, New South Wales, Australia. Combined laundry washing machines and hydro-extractor. 1,637,930; Aug. 2.
Dimond, Clark W., Minneapolis, Minn. Manifold heat retainer. 1,637,768; Aug. 2.
Dingman, Thomas C., South Bend, Ind., assignor to The White Motor Company, Cleveland, Ohio. Instrument panel. Des. 73,163; Aug. 2.
Di Stefano, Salvator, Troy, N. Y. Automobile lamp. Des. 73,164; Aug. 2.
Dlouhy, August, Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Curtain crane. Des. 73,165; Aug. 2.
Dlouhy, August, Wallingford, Conn., assignor to H. L. Judd Company, Inc., New York, N. Y. Curtain crane. Des. 73,166; Aug. 2.
Dodge, Adiel Y., South Bend, Ind., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Brake-control-actuating mechanism. 1,637,520; Aug. 2.
Domore Chair Company. (See Adams, Arthur J.)
Dorman, William R., assignor to Johnson & Johnson, New Brunswick, N. J. Surgical dressing and making it. 1,637,857; Aug. 2.
Dorsey, Herbert G., assignor to J. H. Hammond, jr., Gloucester, Mass. Alternating-current selector. 1,637,442; Aug. 2.
Downs, Mona, Glendale, Ohio. Musical-instruction toy apparatus. 1,637,478; Aug. 2.
Doyle, Frank M., Brooklyn, N. Y. Surface condenser and method. 1,637,558; Aug. 2.
Duchatel, Emile E. H. (See Mestre, C. A., and Duchatel.)
Duff Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Dunbar, Alexander G., Glasgow, Scotland. Piston. 1,637,987; Aug. 2.
Du Pont, E. I., de Nemours & Company. (See Bergeim, Frank H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bishop, Oakley M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Manss, Walter A., assignor.)
Duriron Company, The. (See Jacobsen, Oystein, assignor.)
Dykes, John L. G., Chicago, Ill. Auxiliary sole for footwear. 1,637,809; Aug. 2.
Dzierzenga, Frank, Brooklyn, N. Y. Electric window-closing device. 1,637,740; Aug. 2.
Earle, Eldon A., Bloomfield, N. J. Device for promoting combustion. 1,637,741; Aug. 2.
Eassie, Fitzpatrick, Rathfarnham, Ireland. Saddle panel. 1,637,810; Aug. 2.
East Liverpool Potteries Company. (See De Ville, Walter, assignor.)
Echelberger, Clark C., Hutchinson, Kans. Battery-terminal lifter. 1,637,687; Aug. 2.
Eclipse Machine Company. (See McGrath, William L., assignor.)
Economy Baler Company. (See Barrows, Alfred C., assignor.)
Eddins, Sextus A., assignor to Cordo-Hyde Co., Quincy, Mass. Shoe-upper support. 1,637,896; Aug. 2.
Eddins, Sextus A., assignor to Cordo-Hyde Co., Quincy, Mass. Shoe and making the same. 1,637,897; Aug. 2.
Edge, Walter S., and R. C. Olmsted, New York, N. Y. Reenforced concrete construction. 1,637,742; Aug. 2.
Edwards, John, et al. (See Knofe, Karl R., assignor.)
Edwards, O. M., Company, The. (See Axe, Roy T., assignor.)
Eells Milton M. (See Lewis, W. T., and Eells.)
Egan, Patrick D., Fort Smith, Ark. Sign. 1,637,988; Aug. 2.
Eggers, William M., and G. Mahr, jr., assignors of one-third to J. R. Townsend, Los Angeles, Calif., and two-thirds to said Mahr. Spring-opened clipping shears. 1,637,607; Aug. 2.
Ehrlichman, Albert A., Milwaukee, Wis. Antiglare attachment. 1,637,608; Aug. 2.
Eliers, Jan, assignor of one-half to Tjoen Siang Ie, Meester Cornelis, Java, Dutch East Indies. Safety device for apparatus for forced lubrication in combustion engines. 1,637,412; Aug. 2.
Eisler, Charles, Newark, N. J. Machine for making glass mounts. 1,637,989; Aug. 2.
Elder, Donald, Onehunga, New Zealand. Apparatus for watering areas of land. 1,637,413; Aug. 2.
Elder, Emil M. (See Stern, J. M., and Elder.)
Elliott, Harmon P., Watertown, Mass. Stencil machine and stencil therefor. 1,637,443; Aug. 2.
Ellis, Carleton, Montclair, and H. M. Weber, Bloomfield, N. J., assignors to Ellis-Foster Company. Recovery of values from nitrocellulose material. 1,637,990; Aug. 2.
Ellis-Foster Company. (See Ellis, C., and Weber, assignors.)
Elton, Oscar M. (See Carlson, C. J., and Elton.)
Elwell, George H., Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass. Shank and socket fastening device. 1,637,521; Aug. 2.
Emel, Joseph, Seabeck, Wash. Holder for clothes and other articles. 1,637,688; Aug. 2.
Endersby, Joseph P., Vancouver, British Columbia, Canada. Steam shovel. 1,637,680; Aug. 2.
Engle, George S., Washington, D. C. Primary battery. 1,637,991; Aug. 2.
Ennisson, Edith A., executrix. (See Ennisson, Walter J.)
Ennisson, Walter J., deceased, Brooklyn, N. Y.; E. A. Ennisson, executrix. Landing and taking-off station for aircraft. 1,637,769; Aug. 2.
Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
Enyart, Ralph C., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Stuffing-box vent. 1,637,371; Aug. 2.
Equipment Specialties Co. (See Hull, George A., assignor.)
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Baffling and separating structure. 1,637,372; Aug. 2.
Eustis, Harry C., Los Angeles, Calif. Snap-action valve for flush tanks and the like. 1,637,444; Aug. 2.
Evans, Edward S., Detroit, Mich. Two-part tie down. 1,637,992; Aug. 2.
Evans, Frank J., and H. C. Hansen, Minneapolis, Minn., assignors, by mesne assignments, to Louden Machinery Company, Fairfield, Iowa. Automatic oil burner. 1,637,898; Aug. 2.
Evelyn, Harry C., Chicago, Ill. Electric toy. 1,637,479; Aug. 2.

Evensen, William, Chicago, Ill., assignor to Goss Printing Press Company. Plate-clamping mechanism for printing presses. 1,637,690; Aug. 2.
Everhot Heater Company. (See Shuell, Frank W., assignor.)
F. and H. Mfg. Co. (See Hennings, Charles H., assignor.)
Fageol, Rollie B., Los Angeles, Calif., assignor to American Chain Company, Inc., Bridgeport, Conn. Fender guard. 1,637,770. Aug. 2.
Fahys, Joseph, & Co. (See Cook, Harry, assignor.)
Falk Corporation, The. (See Day, Percy C., assignor.)
Federal Telegraph Company. (See Kolster, Frederick A., assignor.)
Ferad, Edward, New York, N. Y. Ice creeper. 1,637,691; Aug. 2.
Ferguson, Harry, Belfast, Ireland. Agricultural implement. 1,637,811; Aug. 2.
Ferguson, Ivan P., assignor to Towson Body Co., Detroit, Mich. Removable closure for vehicles. 1,637,812; Aug. 2.
Ferris, William S. (See Adams, Arthur J., assignor.)
Finch, John H., et al. (See Minnis, Henry M., assignor.)
Fine, William H., Los Angeles, Calif. Device for testing safety valves on tank cars. 1,637,743; Aug. 2.
Finley, Sam E., Atlanta, Ga. Maturing and stabilising road structures. 1,637,993; Aug. 2.
Finn, Charley N. (See Walker, Arthur W., assignor.)
Finney, Harry F., Chicago, Ill., and F. A. Jacobs, Warren, Ohio, assignors, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-uncoupling mechanism. 1,637,899; Aug. 2.
Firestone Tire and Rubber Company, The. (See Benner, W. W., and Hoener, assignors.)
Firestone Tire and Rubber Company, The. (See Semler, Clyde M., assignor.)
Fisher, Wilbur H., Ottawa, assignor to A. Stein & Company, Chicago, Ill. Work feed for sewing machines. 1,637,373; Aug. 2.
Fitzpatrick, Keene, Princton, N. J., and R. T. Mullins, Brooklyn; said Fitzpatrick assignor to H. R. Hart and said Mullins assignor to A. G. Spalding & Bros., New York, N. Y. Helmet. 1,637,692; Aug. 2.
Flannery, Burt V., Philadelphia, Pa., assignor to Cannon Manufacturing Company, Kannapolis, N. C. Towel or the like. Des. 73,167; Aug. 2.
Fontaine, Robert A., Martinsville, Va. Power hoist. 1,637,338; Aug. 2.
Fontana, Paul P. M. A., Cluses, assignor to Societe des Appareils Mephisto Jules Manfredi and Cie., Cluses, (Haute-Savoie), France. Vulcanizer. 1,637,931; Aug. 2.
Ford Motor Company. (See Galamb, Joseph, assignor.)
Forrest, Charles N., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Joint for stucco bases. 1,637,994; Aug. 2.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Insulator. 1,637,374; Aug. 2.
Foster, Raymond L., Apponaug, R. I. Liquid-fuel burner. 1,637,900; Aug. 2.
Foster, Thomas J., Ridgewood, N. J. Reenforced concrete construction. 1,637,932; Aug. 2.
Fowler, Fred D., Watertown, Mass. Tire. Des. 73,168; Aug. 2.
Fox, Harold E., Pittsburgh, Pa., assignor to National Electric Manufacturing Company. Reciprocating electric motor. 1,637,813; Aug. 2.
Franic, Adolph, assignor to Tamboritza Manufacturing Company, Fort Recovery, Ohio. Stringed instrument. 1,637,559; Aug. 2.
Franklin, Albert W., assignor to Chas. Freshman Co. Inc., New York, N. Y. Variable mica condenser. 1,637,445; Aug. 2.
Frederics, E., Inc. (See Brown, James C., assignor.)
French, Harold G., South Haven, Mich. Toy striking bag or the like. 1,637,561; Aug. 2.
Frengle, Frederick, Cotati, Calif. Adjustable brooder hover. 1,637,637; Aug. 2.
Freshman Chas., Co. Inc. (See Franklin, Albert W., assignor.)
Frog Switch and Manufacturing Company. (See Whiteman, George W., assignor.)
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Frye, Robert R., Worcester, Mass. Automatic bottle cap. 1,637,562; Aug. 2.
Gage, Robert B., Trenton, N. J. Paving construction. 1,637,480; Aug. 2.
Galamb, Joseph, assignor to Ford Motor Company, Detroit, Mich. Lamp and bracket therefor. 1,637,875; Aug. 2.
Gallagher, Dennis J., Brooklyn, N. Y. Cigar-box moistener. 1,637,814; Aug. 2.
Galloway, James W., Waterloo, assignor of one-half to A. C. Haffner, Des Moines, Iowa. Humidifier. 1,637,693; Aug. 2.
Galvin, Charles B., New York, N. Y. Protractor. 1,637,933; Aug. 2.
Galvin, Wade S., Akron, Ohio. Tire tread. Des. 73,169; Aug. 2.
Gambill, William M., Merkel, Tex. Articulator. 1,637,934; Aug. 2.
Gary, Charles L., Kenmore, assignor to Spencer Lens Company, Buffalo, N. Y. Binocular microscope. 1,637,563; Aug. 2.
Garza, Daniel, New Orleans, La. Porous composition building material. 1,637,935; Aug. 2.
Gat Gun Lubricating Corporation. (See Hundemer, Walter F., assignor.)
Gay, Norman H., Los Angeles, Calif. Ice-can dump. 1,637,901; Aug. 2.
Geloso, John, New York, assignor to Pilot Electric Manufacturing Company, Inc., Brooklyn, N. Y. Escutcheon plate for a vernier dial. Des. 73,170; Aug 2..
General Electric Company. (See Brandenburg, Wilson C., assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Electric Company. (See Jump, George H., assignor.)
General Electric Company. (See Linn, Frank C., assignor.)
General Electric Company. (See Weiler, Wilhelm, assignor.)
General Electric Company. (See Wilson, Robert M., assignor.)
General Motors Research Corporation. (See Wallace, Hugh, assignor.)
Gentsch, Frank F., Cincinnati, Ohio. Direction signal for motor vehicles. 1,637,744; Aug. 2.
Gentzcke, Fritz. (See Kruckenberg, F., and Gentzcke.)
Gibney, James J., Minneapolis, Minn. Dishwashing machine. 1,637,376; Aug. 2.
Giles, Henry G., assignor of one-half to W. H. McFarland, Pittsburgh, Pa. Tire mounting and dismounting device. 1,637,815; Aug. 2.
Gillette, George T., Los Angeles, Calif. Clip and retainer. 1,637,564; Aug. 2.
Gillette, King C., et al. (See Schmidt, Benjamin F., assignor.)
Gillette-Schmidt Gear Shift Company. (See Schmidt, Benjamin F.)
Gilmore, Thomas S., La Grande, Oreg. Pneumatic sander. 1,637,609; Aug. 2.
Girten, Charles E., Houston, Tex. Belt clamp. 1,637,694; Aug. 2.
Glaeser, Walter, Brooklyn, N. Y. Producing mercury. 1,637,481; Aug. 2.
Glen, John. (See Simpson, J., and Glen.)
Glennon, Michael J., Summit, and H. G. Higham, Murray Hill, N. J. Instructing golf strokes. 1,637,339; Aug. 2.
Glick, Isaac M., Boston, Mass. Antitheft device. 1,637,858; Aug. 2.
Globe Lighting Fixture Manufacturing Co. (See Petersen, Thorvald J.)
Gminder, Emil, Reutlingen, Germany. Elimination of fibrous waste from machines. 1,637,340; Aug. 2.
Godshalk, Clarence A., Philadelphia, Pa. Locked-nut apparatus. 1,637,995; Aug. 2.
Gold, Louis, Chicago, Ill. Lamp shade. Des. 73,171; Aug. 2.
Gold, Louis, Chicago, Ill. Lamp shade. Des. 73,172; Aug. 2.
Goldsbrough, Robert E., Consett, England. Burner for hydrocarbon and similar fuel. 1,637,695; Aug. 2.
Goodall, Clyde S. (See Hull, Harry B., assignor.)
Goodrich, B. F., Company, The. (See Martin, Frederick H., assignor.)
Goodyear Tire & Rubber Company, The. (See Oyler, Kimball, assignor.)
Goodyear Tire & Rubber Company, The. (See Teppema, Jan, assignor.)
Goodyear Tire & Rubber Company, The. (See Williams, Dayton L., assignor.)
Gordon, Abraham L., New York, N. Y. Physical-development shoe. 1,637,565; Aug. 2.
Gosper, Amos, Brighton Le Sands, New South Wales, Australia. Expansible boring machine. 1,637,745; Aug. 2.
Goss Printing Press Company. (See Evensen, William, assignor.)
Goss Printing Press Company. (See Henzl, Albert A., assignor.)
Gould, Allen A. (See Wellman, S. K., and Gould.)
Graham, James H., Wilkinsburg, Pa., assignor, by mesne assignments, to Johns-Manville, Incorporated, New York, N. Y. Shingle covering. 1,637,522; Aug. 2.
Graham, Percy, Chicago, Ill. Pneumatic-tire tread. Des. 73,173; Aug. 2.
Graves, Harry S., assignor to Spiral Piston Ring Company, Detroit, Mich. Method and apparatus for testing piston rings. 1,637,482; Aug. 2.
Greene, Frederick E. (See Hinman, G. L., and Greene.)
Greenwich, Anna J., assignor of one-half to W. M. Roewer, Chicago, Ill. Marcel water waver. 1,637,816; Aug. 2.
Grégoire, Joseph J., Hollywood, Calif. Internal-combustion engine. 1,637,746; Aug. 2.
Greist Manufacturing Company. (See Hinman, G. L., and Greene, assignors.)
Greuloch, Emil. (See Riegel, Jacob, assignor.)
Griewank, Arthur C., Oakland, Calif. Concrete railway cars. 1,637,817; Aug. 2.
Gross, Christian, Paris, France. Money holder. 1,637,936; Aug. 2.
Grout, Martin B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Tension device. 1,637,483; Aug. 2.
Grueter, William B. (See Langill, R. E., and Grueter.)

Guilborg, John S., assignor to Alemite Die-Casting & Mfg. Co., Chicago, Ill. Die-casting machine. 1,637,566; Aug. 2.
Gurney Foundry Company. (See Brown, Thomas G., assignor.)
Guttridge, Harry W., Liberal, Kans. Power roller. 1,637,996; Aug. 2.
Hadfield, Frederick H., Auckland, New Zealand. Automatic roll-film camera. 1,637,414; Aug. 2.
Haffner, Alwin C. (See Galloway, James W., assignor.)
Hagmann, Ulrich, New York, N. Y., assignor to The Quaker Oats Company, Chicago, Ill. Plate or similar article. Des. 73,174; Aug. 2.
Halliwell-Shelton Electric Corporation. (See Jancke, Benno F., assignor.)
Halstead, Albert, jr., Milwaukee, Wis. Apparatus for curving printing plates. 1,637,747; Aug. 2.
Ham, Clayton S., San Francisco, assignor to A. Turner, Oakland, Calif. Electric self-winding clock. 1,637,997; Aug. 2.
Hamilton, Burton C., Brookline, Mass. Garden-hose supporter. 1,637,523; Aug. 2.
Hamilton, Paul H., assignor to The Sands Manufacturing Company, Cleveland, Ohio. Heater. Des. 73,175; Aug. 2.
Hammond, John H., jr. (See Dorsey, Herbert G., assignor.)
Hankins, Cyrus, Baltimore, Md., assignor to The Symington Company, New York, N. Y. Side frame. 1,637,696; Aug. 2.
Hanly, Charles E. (See Strubble, L. O., and Hanly.)
Hansen, Herman C. (See Evans, F. J., and Hansen.)
Hansen, Merritt R. (See Stertzbach, H. W., and Hansen.)
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Vacuum pump. 1,637,484; Aug. 2.
Harmon, Roy E., Lockland, Ohio. Supporting the contents in freight cars. 1,637,748; Aug. 2.
Harper Electric Furnace Corporation. (See Kelleher, James, assignor.)
Harriman, James H., San Francisco, Calif. Locking means for rotary members. 1,637,524; Aug. 2.
Harrison, Charles F., Levenshulme, Manchester, England. Automatic safety shutter and motor control for picture-projecting machines. 1,637,740; Aug. 2.
Harrison, Daisy D. (See Brunk, M. V., and Harrison.)
Hart & Cooley Manufacturing Company. (See Wessel, Howard H., assignor.)
Hart, Frank J., and D. W. McGee, Fort Worth, Tex.; said McGee assignor to said Hart. Sash fastener. 1,637,937; Aug. 2.
Hart, Henry R. (See Fitzpatrick, K., and Mullins, assignors.)
Hartford-Empire Company. (See Lorenz, E. H., and Davis, assignors.)
Hartford-Empire Company. (See Nelson, Ernest G., jr., assignor.)
Hatzfeld, Charles V., Mineral Wells, Tex. Opener and closer for jars and the like. 1,637,638; Aug. 2.
Haug, Thaddeus L. E., Berkeley, Calif. Wedge. 1,637,771; Aug. 2.
Hawkins, Orlie A., Lamar, Colo. Manufacture of brooms. 1,637,639; Aug. 2.
Hawkins, Wilford J., Montclair, N. J., assignor to American Machine & Foundry Company. Electric capstan. 1,637,818; Aug. 2.
Hawkins, Wilford J., Montclair, N. J., assignor to American Machine & Foundry Company. Automatic heater. 1,637,820; Aug. 2.
Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive-boiler fire box. 1,637,819; Aug. 2.
Healey-Aeromarine Bus Company. (See Chilton, Roland, assignor.)
Heaney Mfg. Co. (See Marchione, Lewis, assignor.)
Heckel, Charles F., Newport, Ky., and E. Messer, Pittsburgh, Pa.; said Heckel assignor to said Messer. Air-blast gas burner. 1,637,772; Aug. 2.
Heicke, Adolf, assignor to Armour & Company, Chicago, Ill. Pellet-forming apparatus. 1,637,377; Aug. 2.
Heideman, Fred J., assignor to T. C. Whitehead, Detroit, Mich. Compression valve. 1,637,821; Aug. 2.
Heltzel, John N., Warren, Ohio. Curb and gutter form. 1,637,998; Aug. 2.
Hendricks, Walter, Pendleton, Oreg. Hand truck. 1,637,640; Aug. 2.
Hendry, William F., Ossining, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,637,446; Aug. 2.
Hennings, Charles H., assignor to F. and H. Mfg. Co., Chicago, Ill. Bird-cage stand. Des. 73,176; Aug. 2.
Henzi, Albert A., Chicago, Ill., assignor to Goss Printing Press Company. Stereotype-plate mechanism. 1,637,641; Aug. 2.
Hermann, Otto, assignor to Thermo Electric Battery Company, Chicago, Ill. Thermocouple. 1,637,822; Aug. 2.
Hernandez y Perez, Francisco, Habana, Cuba. Clamp. 1,637,654; Aug. 2.
Herold, Lawrence C., Rocky River, Ohio. Brush. 1,637,823; Aug. 2.
Herrick, Rufus F., Winchester, Mass. Rubber-compound paving block. 1,637,507; Aug. 2.
Herron, Ollie L. (See Zimmers, J. B., and Herron.)
Herz, Alfred, Chicago, Ill. Current-interrupting device. 1,637,610; Aug. 2.
Heuzé-Beauregard, Edmond, Ste.-Adresse, France. Addressing machine. 1,637,938; Aug. 2.
Hidzick, Joseph F., San Francisco, Calif. Wire-cutting machine. 1,637,824; Aug. 2.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Desk-pad holder. 1,637,485; Aug. 2.
Higham, Harry G. (See Glennon, M. J., and Higham.)
Hilgers, Marie A., Pawtucket, R. I. Culinary utensil. 1,637,859; Aug. 2.
Hilgert, Mathew, New York, N. Y. Shoe. 1,637,447; Aug. 2.
Hill, Orla C., Pawtucket, R. I. Snap link. 1,637,860; Aug. 2.
Hilton, Roland C., Hollywood, assignor to J. Berman, Los Angeles, Calif. Friction hinge. 1,637,642; Aug. 2.
Hinman, George L., and F. E. Greene, assignors to The Greist Manufacturing Company, New Haven, Conn. Combination robe rail and handle. Des. 73,177; Aug. 2.
Hiscock, John T., Chicago, Ill. Boring mechanism. 1,637,611; Aug. 2.
Hoagland, Will G., Independence, Kans. Boiler. 1,637,930; Aug. 2.
Hoefelmayr, Karl, Kempten in Allgau, Germany. Apparatus for preparing liquid from milk powder. 1,637,415; Aug. 2.
Hoener, Edmund A. (See Benner, W. W., and Hoener.)
Hofmann, Conrad, Berirk Schluckenau, Czechoslovakia. Child's rocking horse. 1,637,643; Aug. 2.
Hofmann, William F., Brooklyn, assignor to H. L. Judd Co., New York, N. Y. Curtain-pole end. Des. 73,178; Aug. 2.
Hofmann, William F., Brooklyn, assignor to H. L. Judd Co., New York, N. Y. Curtain-pole end. Des. 73,179; Aug. 2.
Hofmann, William F., Brooklyn, assignor to H. L. Judd Co., New York, N. Y. Curtain-pole end. Des. 73,180; Aug. 2.
Holan, James, Cleveland, Ohio. Heating system. 1,637,341; Aug. 2.
Holland, Ralph, Laramie, Wyo. Liquid-level-controlling means for dry-cleaning systems. 1,637,902; Aug. 2.
Holmes, Morris P., Claremont, N. H., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. Rotary fluid-pressure motor. 1,637,568; Aug. 2.
Honig, Frank. (See Lee, J. H., and Honig.)
Hope, Ernest. (See Woodcock, R. B., and Hope.)
Hosch, Mathias J., Randolph, Nebr. Hog water fountain. 1,637,940; Aug. 2.
House, Milus M., Kansas City, Mo. Dental triturating appliance. 1,637,569; Aug. 2.
Houston, Harold A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Truck structure. 1,637,342; Aug. 2.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion-picture mechanism. 1,637,378; Aug. 2.
Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. Production of phonographic records. 1,637,903; Aug. 2.
Huber, Matthew W., Chicago, Ill., assignor to Motor Wheel Corporation, Lansing, Mich. Running board. 1,637,570; Aug. 2.
Hughes, Henry G., Mendon, Utah. Automobile lock. 1,637,343; Aug. 2.
Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Ventilating door for the hatchways of refrigerator cars. 1,637,861; Aug. 2.
Hull, Harry B., Olilton, assignor of one-half to C. S. Goodall, Yale, Okla. Fan-belt pulley. 1,637,773; Aug. 2.
Hundemer, Walter F., Alameda, assignor, by mesne assignments to Gat Gun Lubricating Corporation, Oakland, Calif. High-pressure grease coupling. 1,637,612; Aug. 2.
Hunt, Clarence, Beulah West, Victoria, Australia. Feeding or conducting tube for agricultural drills or cultivators. 1,637,416; Aug. 2.
Hunt, Harry L., Bigelow, Mo. Pitman boxing. 1,637,904; Aug. 2.
Hunter, Irving J., Medina, N. Y. Vapor-utilizing device. 1,637,941; Aug. 2.
Hunter, John S., Coalinga, Calif. Pump. 1,637,942; Aug. 2.
Hürttle, Karl, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Gas-inflated airship. 1,637,774; Aug. 2.
Hurwitz, Israel R. (See Morrison, William E., assignor.)
Huston, Tom, assignor to C. R. Medley, Columbus, Ga. Tractor plow. 1,637,525; Aug. 2.
Hyatt, Samuel W., assignor to Indiana Lamp Corporation, Connersville, Ind. Adjusting device. 1,637,417; Aug. 2.
Hyde, A. Fillmore. (See Simonds, Francis M., assignor.)
Hyman, Henry, & Co. (See Rubin, Abraham, assignor.)
Ice, Herbert H., Muskogee, Okla. Duplex oil-well pumping power. 1,637,571; Aug. 2.
Imus, James H., Boardman, Oreg. Weeder. 1,637,862; Aug. 2.

Indiana Lamp Corporation. (See Hyatt, Samuel W., assignor.)
Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
International Cigar Machinery Company. (See Bronander, Wilhelm B., assignor.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Silver Co. (See Brown, Leslie A., assignor.)
Isago, Gensuke, Ely, Nev. Beet-topping machine. 1,637,644; Aug. 2.
Isbell, Willard A., and H. H. Canfield, Woodbury, Conn. Making shears. 1,637,572; Aug. 2.
Iseman, Minnie, assignor to M. A. Vierling, Pittsburgh, Pa. Brush attachment for washing machines. 1,637,418; Aug. 2.
Jacobs, Francis A. (See Finney, H. F., and Jacobs.)
Jacobs, H. W., et al. (See Clark, Edward E., assignor.)
Jacobsen, Oystein, Dayton, Ohio., assignor to The Durion Company, Inc. Mixing nozzle. 1,637,697; Aug. 2.
Jaeger, Adolph W., Newark, N. J. Vehicle tail lamp. 73,181; Aug. 2.
Jancke, Benno F., Brooklyn, assignor, by mesne assignments, to Halliwell-Shelton Electric Corporation, New York, N. Y. Air-purifying device. 1,637,448; Aug. 2.
Janesville Products Company. (See Kohler, Walter R., assignor.)
Jeffrey Manufacturing Company, The. (See Holmes, Morris P., assignor.)
Jensen, Robert, Fredericksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Resilient gearing. 1,637,379; Aug. 2.
Johansson, Gustaf, Bay City, Mich. Display rack. 1,637,573; Aug. 2.
Johns-Manville, Incorporated. (See Graham, James H., assignor.)
Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Calif. Mold. 1,637,613; Aug. 2.
Johnson & Johnson. (See Dorman, William R., assignor.)
Jonas, Jacob F., Bellevue, Ky., assignor to The Krippendorf-Dittman Company, Cincinnati, Ohio. Shank stiffener for shoes. 1,637,943; Aug. 2.
Jones, George H., administrator. (See Jones, Harold C.)
Jones, Harold C., deceased, Chicago, Ill., G. H. Jones, administrator. Fencepost. 1,637,645; Aug. 2.
Judd, H. L., Company. (See Dlouhy, August, assignor.)
Judd, H. L., Co. (See Hofmann, William F., assignor.)
Jump, George H., Buffalo, N. Y., assignor to General Electric Company. Frequency changer. 1,637,863; Aug. 2.
K. W. Battery Company. (See Nordhaus, William H., assignor.)
Kadel, Byers W., Baltimore, Md. Door mechanism for railway cars. 1,637,905; Aug. 2.
Kale, William G. (See Nell, G. M., and Kale.)
Kalgren, John E., assignor to J. R. Clark Company, Minneapolis, Minn. Ironing table. 1,637,526; Aug. 2.
Karikas, Elizabeth, McKeesport, Pa. Life-saving device for children. 1,637,574; Aug. 2.
Kasch, Henry J., Dayton, Ohio. Knob or similar article. Des. 73,182; Aug. 2.
Kasch, Henry J., Dayton, Ohio. Knob or the like. Des. 73,183; Aug. 2.
Kaufmann, Jacob, Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 1,637,380; Aug. 2.
Keaton, Robert H., San Francisco, Calif. Combination advertising folder and gauge. 1,637,775; Aug. 2.
Keeney, Gordon H., Sacramento, Calif. Card holder. 1,637,344; Aug. 2.
Kelleher, James, Chippawa, Ontario, Canada, assignor to Harper Electric Furnace Corporation. Electric furnace. 1,637,486; Aug. 2.
Keller, Alfred R., assignor to Morgan Construction Company, Worcester, Mass. Coupling device. 1,637,944; Aug. 2.
Kellogg Switchboard and Supply Company. (See Grout, Martin B., assignor.)
Kemp, Evina A., et al. (See White, Phillip A., assignor.)
Kern, Fred M., Detroit, Mich., assignor by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Sizing and finishing articles of fiber. 1,637,487; Aug. 2.
Kershaw, Frederick, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Veneer drier. 1,637,945; Aug. 2.
Kersten, Jacob, Kalamazoo, Mich. Radio loud speaker. Des. 73,184; Aug. 2.
Kilham, Oliver W., assignor to American Steel Pipe and Tank Co., Los Angeles, Calif. Joint for casing sections and making the joint. 1,637,750; Aug. 2.
Killinger, Paul, Shippensburg, Pa. Wheel attachment for sleds. 1,637,999; Aug. 2.
Kimura, Hisaich, Los Angeles, Calif. Variable condenser. 1,637,646; Aug. 2.
Kinnard, Edward H., assignor to Universal Postal Frankers Limited, London, England. Postal franking machine. 1,637,647; Aug. 2.
Klann, Rudolph, Chicago, Ill. Flush valve. 1,637,825; Aug. 2.

Klawitter, August G. (See Schmidt, O. C., and Klawitter.)
Klein, Charles H., Jersey City, N. J., assignor to American Telephone and Telegraph Company. Nail-expansion anchor. 1,637,419; Aug. 2.
Klein, Clarence J., Bellevue, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Material-handling apparatus. 1,637,420; Aug. 2.
Klein, William C., Allentown, Pa. Roller-bearing free wheel. 1,637,906; Aug. 2.
Kloss, Charles F., New Haven, Conn. Safe. 1,637,381; Aug. 2.
Knofe, Karl R., Dresden, Germany, assignor of one-half to T. Mamen and one-half to J. Edwards, Brooklyn, N. Y. Making imitation marble. 1,637,946; Aug. 2.
Knoll & Co. (See Schmidt, K. F., and Zutavern, assignors.)
Knopp, Otto A., Oakland, Calif. Heater and drier. 1,637,488; Aug. 2.
Kohler, Walter R., assignor to Janesville Products Company, Janesville, Wis. Coaster wagon. 1,637,614; Aug. 2.
Kolster, Frederick A., Washington, D. C., assignor to Federal Telegraph Company, San Francisco, Calif. Radiocompass. 1,637,615; Aug. 2.
Kolster, Frederick A., Palo Alto, assignor to Federal Telegraph Company, San Francisco, Calif. Electron-tube apparatus. 1,637,864; Aug. 2.
Kopf, Joseph L., East Orange, N. J., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Coffee product and making it. 1,637,648; Aug. 2.
Kops Bros, Inc. (See Kops, Waldemar, assignor.)
Kops, Waldemar, assignor to Kops Bros. Inc., New York, N. Y. Apparel garment. 1,637,826; Aug. 2.
Kosiancic, Valentine J., Crescent Valley, British Columbia, Canada. Hand feed for drag-saw machines. 1,637,616; Aug. 2.
Kottmann, August, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Coupling device for calculating machines. 1,637,827; Aug. 2.
Kotzebue, Meinhard H., Tulsa, Okla. Separator. 1,637,947; Aug. 2.
Kralik, Blanche R., Chicago, Ill. Baking utensil. 1,637,617; Aug. 2.
Krapf, Jacob H., Chicago, Ill. Carton-blank separator. 1,637,560; Aug. 2.
Krippendorf-Dittman Company. (See Jonas, Jacob F., assignor.)
Kronauer, Frank C., Glen Rock, N. J. Rail joint. 1,637,449; Aug. 2.
Kruckenberg, Franz, and F. Gentzcke, Heidelberg, Germany; said Gentzcke assignor to said Kruckenberg. Arrangement for changing the machinery of high-speed suspension. 1,637,776; Aug. 2.
Kuhl, John, assignor, by mesne assignments, to Standard Oil Company of California, San Francisco, Calif. Breather valve. 1,637,489; Aug. 2.
Kühtz, Friedrich, Cannstatt, Germany. Baking oven. 1,637,618; Aug. 2.
Kups, Stanley, Chicago, Ill. Inductance. 1,637,649; Aug. 2.
Kurzer, Solomon, New York, N. Y. Hose supporter. 1,637,948; Aug. 2.
Kushlan, Max, and H. E. Young, Chicago, Ill. Gate mechanism. 1,637,575; Aug. 2.
La Brie, Ludger E., South Bend, Ind., assignor to Motor Industries, Inc., Chicago, Ill. Wheel. 1,637,527; Aug. 2.
Lacerda, Harry A., Watervliet, N. Y. Boiler tool. 1,637,949; Aug. 2.
Laher, Frank J., Oakland, Calif. Automobile luggage carrier. 1,637,751; Aug. 2.
Laher, Frank J., Oakland, Calif. Combined automobile luggage carrier and bumper. 1,637,752; Aug. 2.
Lambeth, Thomas M., Seattle, Wash. Automatic oil burner. 1,637,576; Aug. 2.
Lane, Annie M., Los Angeles, Calif. Tire structure. 1,637,753; Aug. 2.
Lange, Henry, Quincy, Ill. Combination range. 1,637,950; Aug. 2.
Langill, Ross E., and W. B. Grueter, assignors to The Prescott Company, Menominee, Mich. Sawmill dog. 1,637,907; Aug. 2.
Lanzi, Elmo G., assignor to Bonus Candy Corporation, Chicago, Ill. Chocolate-dipping machine. 1,637,577; Aug. 2.
Larter & Sons. (See Larter, Warren R., assignor.)
Larter, Warren R., assignor to Larter & Sons, Newark, N. J. Cord-attaching device. 1,637,698; Aug. 2.
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Electrical apparatus. 1,637,828; Aug. 2.
Laurie, William A., New Orleans, La. Binder for securing medical electrodes. 1,637,829; Aug. 2.
Lauterbach, Samuel, New York, N. Y. Jewelry clasp. 1,637,699; Aug. 2.
Law, Henry Y., Marced, Calif. Tractor chain. 1,637,777; Aug. 2.
Lea, Charles, Boston, Mass., assignor, by mesne assignments to F. C. Blanchard, Dorchester, Mass. Lubricating apparatus. 1,637,908; Aug. 2.
Leach Company. (See Runge, Richard W., assignor.)

Leary, James W. (See Bronander, W. B., and Leary.)
Lederer, Henry & Bro. Inc. (See Butler, William J., assignor.)
Lee, John H., and Frank Honig, Oak Park, assignors to Cyclo Corporation, Chicago, Ill. Drawing and spooling mechanism and method. 1,637,700; Aug. 2.
Lehmann, Wesley G. (See Owen, D. T., and Lehmann.)
Leipert, August H., assignor to International Motor Company, New York, N. Y. Cooling system. 1,637,382; Aug. 2.
Le Rouge, Jean, Boulogne, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Separation of the elements of air or of other gaseous mixtures by liquefaction and rectification. 1,638,005; Aug. 2.
Levan, John F., Elkhart, Ind., assignor, by mesne assignments, to The Adams & Westlake Company, Chicago, Ill. Sash construction. 1,637,865; Aug. 2.
Levernier Martin W., Winnetka, Ill. Soap dispenser. Des. 73,185; Aug. 2.
Levitt, Samuel, Brooklyn, assignor to United Metal Hose Company, Inc., New York, N. Y. Pipe coupling. 1,637,701; Aug. 2.
Lewis Walter W., San Francisco, Calif. Display rack. 1,637,578; Aug. 2.
Lewis, William T., Racine, Wis., and M. M. Eells, Chicago, Ill., assignors to Western Coil & Electric Co. Radio-cabinet. Des. 73,186; Aug. 2.
Libbey, Edwin S. (See Libbey, Harry S., assignor.)
Libbey, Harry S., assignor to E. S. Libbey, Arlington, Mass. Combined glareshield and bracket therefor. Des. 73,187; Aug. 2.
Liebrich, John E., Indianapolis, Ind. Automobile signal accessory. 1,637,528; Aug. 2.
Lightfoot, Caddie B., East Orange, N. J. Drip pan for food choppers. 1,637,866; Aug. 2.
Liles, Thomas O., Tyler, assignor of three-eighths to D. C. Matthews and four-eighths to B. H. Ashby, Dallas, Tex. Testing device for internal-combustion engines. 1,637,867; Aug. 2.
Lindsey, Everett E. (See Atkins, D., jr., Anderson, and Lindsey.)
Linn, Frank C., Lynn, Mass., assignor to General Electric Company. Bolt-type emergency governor. 1,637,909; Aug. 2.
Lippi, Charles A., Camden, N. J. Cabinet for a radio loud speaker. Des. 73,188; Aug. 2.
Lipschutz, Emanuel W., Brooklyn, N. Y. Pressure indicator. 1,637,421; Aug. 2.
Litchfield, Isaac W., Newtonville, Mass. Wrench. 1,637,778; Aug. 2.
Livergood, Gerald R., Houston, Tex. Drill-stem clamp. 1,637,383; Aug. 2.
Lock-Stub Check Company. (See Rider, Granville S., assignor.)
Locomotive Firebox Company. (See Hawley, Charles G., assignor.)
Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
Loiacono, John. (See Sesto, A., and Loiacono.)
Long, Lewis R., Peoria, Ill. Sign. 1,637,579; Aug. 2.
Lorenz, Edward H., West Hartford, and J. Davis, East Hartford, assignors to Hartford-Empire Company, Hartford, Conn. Glassware-transferring device. 1,637,490; Aug. 2.
Losness, Nicholas, Los Angeles, Calif. Flag stand. Des. 73,189; Aug. 2.
Louden Machinery Company. (See Evans, F. J., and Hansen, assignors.)
Lovász, Josef. (See Von Király, P., and Lovász.)
Lower, Nathan M., Pittsburgh, Pa., assignor to Locomotive Stoker Company. Locomotive stoker. 1,637,491; Aug. 2.
Lowry, Charles A., Shaker Heights, and F. H. Abel, East Cleveland, Ohio. Tile wall or floor. 1,637,580; Aug. 2.
Lucas, Anton, Kansas City, Mo. Producing welding metal. 1,637,619; Aug. 2.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Hürttle, Karl, assignor.)
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Schnitzer, Beno, assignor.)
Lui, John D., Napa, Calif. Clasp for bobbed hair. 1,637,492; Aug. 2.
Lynn, John P., Chicago, Ill. Making pencil bodies and the like. 1,638,002; Aug. 2.
Mackenzie, Kenneth, Taunton, Mass. Nut-locking device. 1,637,620; Aug. 2.
Mahr, George, jr. (See Eggers, W. M., and Mahr.)
Mamen, Trygve, et al. (See Knofe, Karl R., assignor.)
Mannsdorff, Woldemar, Charlottensburg, Germany. Potato-peeling machine. 1,637,830; Aug. 2.
Manott, Harry, and J. H. McGrath, Melbourne, Victoria, Australia. Combination bed and couch. 1,637,493; Aug. 2.
Manss, Walter A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing indophenol compounds. 1,637,868; Aug. 2.
Manzel, Charles W., Buffalo, N. Y. Lubricating apparatus. 1,637,869; Aug. 2.
Marcalus, Nicholas. (See Randolph, C. F., and Marcalus.)
Marchione, Lewis, Medford, assignor, by mesne assignments, to Heaney Mfg. Co., Boston, Mass. Dispensing device. 1,637,951; Aug. 2.
Marcott Auto Signal Company. (See Marcott, William T., assignor.)
Marcott, William T., assignor to Marcott Auto Signal Company, Olympia, Wash. Signaling device. 1,637,779; Aug. 2.
Margetson, Oliver, and P. G. Robinson, London, England. Locomotive. 1,637,952; Aug. 2.
Marlatt, George E., Pasadena, Calif. Copy holder for typewriters. 1,637,384; Aug. 2.
Marsh, Robert G., Detroit, Mich. Ice-box construction. 1,637,494; Aug. 2.
Martin, Frederick H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hand roller. 1,637,450; Aug. 2.
Martindale, Andrew, Los Angeles, Calif. Apparatus for molding plastic blocks. 1,637,495; Aug. 2.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Seat. 1,637,780; Aug. 2.
Matheson, Frederick J., Newark, N. J. Hair-tinting device. 1,637,781; Aug. 2.
Matthews, Duke C., et al. (See Liles, Thomas O., assignor.)
Matthews, Newton W., Fullerton, Calif. Vehicle signal device. 1,637,702; Aug. 2.
Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,637,385; Aug. 2.
Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
Maxwell, Maxwell C., assignor to The Yale and Towne Manufacturing Company, Stamford, Conn. Cylinder lock. 1,637,953; Aug. 2.
May Hosiery Mills. (See Smith, William L., jr., assignor.)
McClain, John R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Shellac-viscosity tester. 1,637,386; Aug. 2.
McClean, Samuel N., Detroit, Mich. Clothes wringer. 1,637,581; Aug. 2.
McEnaney, Owen F., Brooklyn, N. Y. Steam tube and piping for textile machinery. 1,637,387; Aug. 2.
McFarland, William H. (See Giles, Henry G., assignor.)
McGee, Daniel W. (See Hart, F. J., and McGee.)
McGrath, Fred E., Clarksburg, Mass. Acroplane wing. 1,637,954; Aug. 2.
McGrath, John H. (See Manott, H., and McGrath.)
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,637,422; Aug. 2.
McIntyre, David A. (See Mueller, Emil L., assignor.)
McKee, James, Chester, assignor to Sun Oil Company, Philadelphia, Pa. Making grease. 1,637,703; Aug. 2.
McKeefe, Edward P. (See Bradley, L., and McKeefe.)
McKenzie, George, Finchley, London, England. Manufacture and truing of built-up wheels. 1,637,345; Aug. 2.
McLaughlin, Frank, Toronto, Ontario, Canada. Tubular dispenser. 1,637,955; Aug. 2.
McLeod, Peter, Glasgow, Scotland. Curling stone. 1,637,754; Aug. 2.
McMurray, Alexander, Auburn, Sydney, New South Wales, Australia. Electric truncheon torch. 1,637,650; Aug. 2.
Meadowcroft, William, Blackburn, England. Bottle-filling machine. 1,637,382; Aug. 2.
Medley, C. R. (See Huston, Tom, assignor.)
Medville, Albert B. (See Potter, A. T., and Medville.)
Mellander, Bert A. (See Quist, A. J., and Mellander.)
Mergott, J. E., Co. (See Hiering, William C., assignor.)
Merlonetti, Giulio, West Chester, Pa. Macaroni machine. 1,638,000; Aug. 2.
Messer, Edward. (See Heckel, C. F., and Messer.)
Mestre, Charles A., and E. E. H. Duchatel, Paris, France. Superheating element. 1,637,651; Aug. 2.
Metal Office Furniture Company. (See Wege, Peter M., assignor.)
Mezitts, George, Washington, D. C. Bottle. Des. 73,190; Aug. 2.
Michal, Gregory D. (See Dimatos, A., and Michal.)
Miller, Charles, Long Island City, N. Y. Rotary drier. 1,637,831; Aug. 2.
Miller, Michael A., Long Island City, N. Y. Fastening device for papers. 1,637,832; Aug. 2.
Miller, Paul C., Jacksonville, Fla. Swimming pool. 1,637,423; Aug. 2.
Millie Patent Holding Co. Inc. (See Allatt, Thomas, assignor.)
Milligan, Andrew J., Hoopeston, Ill. Broom holder. 1,637,782; Aug. 2.
Minnis, Henry M., assignor of one-third to E. A. Thomas and one-third to J. H. Finch, Wylie, Tex. Automatic fire-sprinkler system. 1,637,621; Aug. 2.
Mitchell Camera Corporation. (See Mitchell, George A., assignor.)
Mitchell, George A., Los Angeles, Calif., assignor to Mitchell Camera Corporation. Focusing instrument for cameras and the like. 1,637,529; Aug. 2.
Moats, Allen A., Philadelphia, Pa. Curtain-draping device. 1,637,764; Aug. 2.
Moldenke, Richard, Watchung, N. J. Treating aluminous ores. 1,637,451; Aug. 2.
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,637,530; Aug. 2.
Morgan Construction Company. (See Keller, Alfred R., assignor.)

Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining machine. 1,637,531; Aug. 2.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining and loading machine. 1,637,783; Aug. 2.
Morgan, Olive E., executrix. (See Morgan, Edmund C., assignor.)
Moriarty, John H., Buffalo, N. Y., assignor to The Barber Asphalt Company, Philadelphia, Pa. Testing apparatus. 1,637,956; Aug. 2.
Moriarty, John J. (See Davis, Ralph C., assignor.)
Morrison, William E., Granite City, Ill., assignor of one-half to I. R. Hurwitz. Window fastener. 1,637,910; Aug. 2.
Morrow, Robert B., Brunswick, Victoria, Australia. Agricultural implement. 1,637,424; Aug. 2.
Motor Industries, Inc. (See La Brie, Ludger E., assignor.)
Motor Wheel Corporation. (See Huber, Matthew W., assignor.)
Mott, Abram C., jr., assignor to Abram Cox Stove Company, Philadelphia, Pa. Grate bar. 1,637,957; Aug. 2.
Mueller, Emil L., Rutherford, assignor to D. A. McIntyre, Newark, N. J. Feeding mechanism. 1,637,633; Aug. 2.
Mullins, Robert T. (See Fitzpatrick, K., and Mullins.)
Murray, Thomas E., jr., Brooklyn, N. Y. Producing certain sheet-metal articles. Re16,691; Aug. 2.
Myers, John W., Quincy, Ill. Multiple hens' nest. 1,637,346; Aug. 2.
Nasmiooze Vennootschap Philips' Gloeilampenfabrieken. (See Schoonenberg, Pancras, assignor.)
Nagel, August, Stuttgart, Germany. Switch for electrical fuel-feeding apparatus. 1,637,425; Aug. 2.
National Acme Company, The. (See Wheeler, Earl H., assignor.)
National Auto Body Works. (See Stone, George W., assignor.)
National Carbon Company. (See Hendry, William F., assignor.)
National Carbon Company. (See Osean, Charles, assignor.)
National Carbon Company. (See Yngve, Victor, assignor.)
National Electric Manufacturing Company. (See Fox, Harold E., assignor.)
Neahr, Jacob E., Hartsdale, N. Y. Match safe. 1,637,496; Aug. 2.
Neikirk, John O., Lombard, Ill., assignor to Wine Railway Appliance Co., Toledo, Ohio. Rail-way-door latch. 1,637,911; Aug. 2.
Nell, Gustave M., and W. G. Kale, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill-steel retainer. 1,637,912; Aug. 2.
Nelson, Ernest G., jr., assignor to Hartford-Empire Company, Hartford, Conn. Delivery apparatus for molten glass. 1,637,452; Aug. 2.
Nelson, Frederick A., Worcester, Mass. Muffler for internal-combustion engines. 1,637,347; Aug. 2.
Nelson, John A., Bertrand, Nebr. Tongs. 1,637,388; Aug. 2.
Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Switch handle. 1,637,913; Aug. 2.
Ness, William H. C., Los Angeles, Calif. Fan or blower. 1,637,652; Aug. 2.
Neumann, Brüno, Nuremberg, Germany. Appliance for bodily exercise. 1,638,003; Aug. 2.
Newman, Hugo, New York, N. Y. Foldable supporting stand for optical projecting machines. 1,637,705; Aug. 2.
Newson, Frederick M., Salt Lake City, Utah. Internal-combustion engine. 1,637,958; Aug. 2.
Newton, Albert E., Providence, R. I. Lace. Des. 73,191; Aug. 2.
Nichol, Orr T., Omaha, Nebr., assignor to A. H. Becker, Council Bluffs, Iowa. Governor for tractor engines. 1,637,453; Aug. 2.
Nicolaus, Frederic G., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Closed gas stove and valve therefor. 1,637,870; Aug. 2.
Niles-Bement-Pond Company. (See Randolph, C. F., and Marcalus, assignors.)
Nordensson, Tom K. A., Glasgow, Scotland. Pressure meter. 1,637,653; Aug. 2.
Nordhaus, William H., assignor, by mesne assignments, to K. W. Battery Company, Chicago, Ill. Machine for coating electric storage-battery plates. 1,637,426; Aug. 2.
North American Lace Company. (See Truman, Fred, assignor.)
Norton, Harold W., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Racket for tennis and similar games. 1,637,583; Aug. 2.
Nosan, Anton, Cleveland, Ohio. Wall construction for aeroplane fuselages. 1,637,871; Aug. 2.
Nosan, Anton, Cleveland, Ohio. Steering mechanism for aeroplanes. 1,637,872; Aug. 2.
Nosan, Anton, Cleveland, Ohio. Air-purifier apparatus. 1,637,873; Aug. 2.
O'Dowd, Henry W., Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md. Heat-insulating unit. 1,637,497; Aug. 2.
Oliver Chilled Plow Works. (See Altgelt, Herman E., assignor.)
Oliver, Melfort V., Detroit, Mich. Seed planter. 1,637,834; Aug. 2.
Oliver, William H., and E. S. Culver, Oakland, Calif. Mold for forming containers. 1,637,532; Aug. 2.
Olmsted, Russell C. (See Edge, Walter S., and Olmsted.)
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Richter, Robert, assignor.)
Osborn, Frank S., Shinglehouse, Pa. Window-pane fastener. 1,637,959; Aug. 2.
Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Receptacle for address plates. 1,637,498; Aug. 2.
Osean, Charles, Woodcliff, N. J., assignor to National Carbon Company, Inc. Flash light. Des. 73,192; Aug. 2.
Ott, Harry G., assignor to Spencer Lens Company, Buffalo, N. Y. Vertical illuminator for microscopes. 1,637,348; Aug. 2.
Owen, David T., and W. G. Lehmann, Cleveland, Ohio; said Lehmann assignor to said Owen. Spring cushion, mattress, seat, and bed. 1,637,584; Aug. 2.
Oyler, Kimball, Los Angeles, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Calender knife. 1,637,784; Aug. 2.
Page, John H., Detroit, Mich. Wall clock. Des. 73,193; Aug. 2.
Pagliani, Federico. (See Camilla, S., and Pagliani.)
Paper Converting Machine Co. (See Christman, Peter J., jr., assignor.)
Parker, Robert L., Oakland, Calif. Sectional railway car. 1,637,585; Aug. 2.
Parnell, Frank G., assignor of one-half to Triumph Cycle Company Limited, Coventry, England. Relay mechanism for vehicle brakes. 1,637,349; Aug. 2.
Parsons, William C., Swissvale, Pa. Blast furnace. 1,637,350; Aug. 2.
Pates, James S., Washington, Pa. Roof support for underground chambers. 1,637,586; Aug. 2.
Peacock, Frank, Croydon, near Sydney, New South Wales, Australia. Bumper bar and rear fender for automobiles. 1,637,464; Aug. 2.
Pearson, Herman E., Wayzata, Minn. Traction driving means for vehicles. 1,637,533; Aug. 2.
Peltola, Tolvo, Marquette, Mich. Rotary sewer cleaner. 1,637,914; Aug. 2.
Peltz, Ernest L., Rapid City, S. Dak. Wire stretcher. 1,637,587; Aug. 2.
Petersen, Thorvald J., assignor to I. Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Chandelier or article of similar nature. Des. 73,194; Aug. 2.
Petersen, Thorvald J., assignor to I. Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Lighting-fixture bracket or article of similar nature. Des. 73,195; Aug. 2.
Petersen, Thorvald J., assignor to I. Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Chandelier or article of similar nature. Des. 73,196; Aug. 2.
Petersen, Thorvald J., assignor to I. Rosenblatt, New York, N. Y., doing business as Globe Lighting Fixture Manufacturing Co. Chandelier or article of similar nature. Des. 73,197; Aug. 2.
Peterson, Peter, Berkeley, Calif. Aerial propulsion. 1,637,389; Aug. 2.
Pierce, Raymond T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,637,390; Aug. 2.
Pilkington Brothers Limited. (See Rowart, Eugène, assignor.)
Pilot Electric Manufacturing Company. (See Geloso, John, assignor.)
Pitcairn, Harold F. (See Brewer, Robert W. A., assignor.)
Pfaltzgraff, Hattie M., Atlantic City, N. J. Supporter. 1,637,706; Aug. 2.
Plesce, Lorenzo, Hazleton, Pa. Shade and curtain support. 1,637,755; Aug. 2.
Pneumatic Appliances Corporation. (See Weiland, Alfred, assignor.)
Porter, Charlotte T. (See Porter, Harold E., assignor.)
Porter, Harold E., Bayside, N. Y., assignor to C. T. Porter. Manufacturing crucibles and the like. 1,637,707; Aug. 2.
Porter, Harold E., Bayside, N. Y., assignor to C. T. Porter. Machine for the manufacture of crucibles and the like. 1,637,708; Aug. 2.
Postindex Company. (See Quigley, John T., assignor.)
Potter, Albert T., and A. B. Medville, assignors to Ainsworth Manufacturing Company, Detroit, Mich. Foot rest. 1,637,588; Aug. 2.
Powell, Charles, Pueblo, Colo. Attachment for carburetors. 1,637,455; Aug. 2.
Pratt & Whitney Company. (See Allen, Frederick C., assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Preble Box Toe Co. (See Preble, George L., assignor.)
Preble, George L., assignor to Preble Box Toe Co., Lynn, Mass. Stiffener for boots and shoes. 1,637,709; Aug. 2.
Prescott Company, The. (See Langill, R. E., and Grueter, assignors.)

Printing Index Company. (See Dement, Isaac S., assignor.)
Prisley, Leonard C., Montowese, assignor of one-half to E. Williams, New Haven, Conn. Adjusting device for doors and the like. 1,637,655; Aug. 2.
Proctor & Schwartz, Incorporated. (See Kershaw, Frederick, assignor.)
Prosperity Company, The. (See Braun, Philip N., assignor.)
Prowense, Joseph S., Kansas City, Mo., assignor to J. A. Carson, Seattle, Wash. Window or windshield cleaner. Re16,692; Aug. 2.
Quaker Oats Company, The. (See Hagmann, Ulrich, assignor.)
Quigley, John T., Boston, assignor, by mesne assignments, to Postindex Company, Inc., Boston, Mass. Filing and indexing equipment. 1,637,534; Aug. 2.
Quist, Andrew J., and B. A. Mellander, Mount Jewett, Pa. Shoe stretcher. 1,637,915; Aug. 2.
Rachlin, Max. Brooklyn, N. Y. Pipe support. Des. 73,198; Aug. 2.
Radcliffe, John C. (See Radcliffe, Owen F., assignor.)
Radcliffe, Owen F., assignor of one-half to J. C. Radcliffe, Los Angeles, Calif. Sanitary garbage can. 1,637,656; Aug. 2.
Radford, Herbert A., assignor to U. S. Shutter Lens Company, Denver, Colo. Relieving the glare from projector lights. 1,637,622; Aug. 2.
Rand, James H., North Tonawanda, assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y. Index. 1,637,535; Aug. 2.
Rand, James H., North Tonawanda, assignor to Rand Kardex Bureau, Inc., Tonawanda, N. Y. Index device. 1,637,536; Aug. 2.
Rand Kardex Bureau, Inc. (See Rand, James H., assignor.)
Randall, Karl C., Edgewood Park, and H. K. Ansingh, Murrysville, Pa., assignors to Westinghouse Electric and Manufacturing Company. Circuit-interrupting device. 1,637,351; Aug. 2.
Randolph, Clifford F., and N. Marcalus, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Tool holder. 1,637,785; Aug. 2.
Reaney Limited. (See Reaney, Russell J., assignor.)
Reany, Russell J., assignor to Reaney Limited, Ottawa, Ontario, Canada. Mechanical means for transmitting power. 1,637,352; Aug. 2.
Recker, Adolph C., Oakville, assignor to Chase Companies, Inc., Waterbury, Conn. Socket casing. 1,637,874; Aug. 2.
Redfield Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Discharge unloader. 1,637,875; Aug. 2.
Refrigeration Development, Inc. (See Williams, Edward T., assignor.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Steering gear for trailers. 1,637,456; Aug. 2.
Reilly, Michael K. (See Svenson, Sven, assignor.)
Rekar, Jay J., assignor to De Luxe Lamp Mfg. Co., Los Angeles, Calif. Incandescent-lamp structure. 1,637,786; Aug. 2.
Rembrandt Lamp Corporation. (See Rothbart, Max, assignor.)
Reynolds, George W., Los Angeles, Calif. Lamp-post. Des. 73,199; Aug. 2.
Rheinische Metallwaaren- und Maschinenfabrik. (See Kottmann, August, assignor.)
Rheinische Metallwaaren- und Maschinenfabrik. (See Schläfer, Valentin, assignor.)
Richards, John H., Yakima, Wash. Box opener. 1,637,916; Aug. 2.
Richardson Edwin F. (See A'Hearn, F. M., and Richardson.)
Riches, Charles H., Toronto, and C. W. Aird, Brantford, assignors to The Brantford Oven & Rack Co. Limited, Brantford, Ontario, Canada. Baking oven. 1,637,427; Aug. 2.
Richter, George A., assignor to Brown Company, Berlin, N. H. Making sulphite cooking liquor. 1,637,353; Aug. 2.
Richter, Robert, Berlin-Friedenau, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Lens attachment for photographic objectives. 1,637,917; Aug. 2.
Rider, Granville S., New York, assignor to Lock-Stub Check Company, Incorporated, Brooklyn, N. Y. Check dispensing machine. 1,637,710; Aug. 2.
Reigel, Jacob, Lakewood, assignor of one-half to Emil Greuloch, Chagrin Falls, Ohio. Wall and constructing the same. 1,637,657; Aug. 2.
Ring, Hans A., assignor to Burgess Battery Company, Madison, Wis. Apparatus for inserting dry-cell cores into cans. 1,637,711; Aug. 2.
Roberts, Edward H., Kansas City, Mo. Picture frame. 1,637,580; Aug. 2.
Roberts, Thomas C., Long Beach, Calif. Automatic golf-ball tee. 1,637,537; Aug. 2.
Robinson, Nathan H., Braintree, Mass. Wrench. 1,637,590; Aug. 2.
Robinson, Percy G. (See Margetson, O., and Robinson.)
Roemer, Joseph V. (See Sukrow, Phillip, assignor.)
Roesler, Otto, Philadelphia, Pa. Danger-signal attachment for locomotives. 1,637,835; Aug. 2.
Roewer, Walter M. (See Greenwich, Anna J., assignor.)
Rogers, Albert R., administrator. (See Rogers, John F.)
Rogers, John F., deceased; A. R. Rogers, administrator, assignor to L. A. Rogers, Dayton, Ohio. Blow-out boot. 1,637,712; Aug. 2.
Rogers, Lucy A. (See Rogers, John F., assignor.)
Romine, Robert T., Mount Clemens, Mich. Portable rack. 1,637,960; Aug. 2.
Roots, P. H. & F. M., Company, The. (See Enyart, Ralph C., assignor.)
Rose, William, Gainsborough, England. Apparatus for feeding and registering a paper web. 1,637,658; Aug. 2.
Rosenblatt, Isidor. (See Petersen, Thorvald J., assignor.)
Rosenblatt, Isidor, New York, N. Y. Chandelier or article of similar nature. Des. 73,200; Aug. 2.
Rosenshine, Annette, New York, N. Y. Ash tray. Des. 73,201; Aug. 2.
Ross Manufacturing Company. (See Ryan, James C., assignor.)
Roth, Frank H., Bay Shore, N. Y. Fuel economizer. 1,637,591; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,202; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,203; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,204; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,205; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,206; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,207; Aug. 2.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp bracket. Des. 73,208; Aug. 2.
Rottgardt, Karl, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Antenna reel. 1,637,354; Aug. 2.
Rowart, Eugène, Auvelais, Belgium, assignor to Pilkington Brothers Limited, Liverpool, England. Drawing glass in sheet form and apparatus therefor. 1,637,961; Aug. 2.
Rubin, Abraham, assignor to Henry Hyman & Co., Inc., New York, N. Y. Cord connecter. 1,637,836; Aug. 2.
Rudolph Wurlitzer Company, The. (See Starke, Emil O., assignor.)
Rundlett, George W., Washington, D. C. Temporary tire-tube valve. 1,637,499; Aug. 2.
Runge, Richard W., assignor to Leach Company, Oshkosh, Wis. Power boom-swinging mechanism. 1,637,457; Aug. 2.
Rupp, Virgil R., Quincy, Ill. Mineral feed and preparing the same. 1,637,428; Aug. 2.
Russell, Thomas C., Chicago, Ill. Electric heating structure. 1,637,391; Aug. 2.
Russell, Thomas N., assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car end. 1,637,918; Aug. 2.
Ryan, James C., assignor to Ross Manufacturing Company, Kansas City, Mo. Flush-tank valve. 1,637,592; Aug. 2.
Sacerdote, Secondo, Milan, Italy. Thermoelectric oven. 1,637,659; Aug. 2.
Samples, John W., Sue, W. Va. Shipping crate. 1,637,660; Aug. 2.
Sampson, Harold A., Burlingame, Calif. Golf-club carrying case and bag. 1,637,538; Aug. 2.
Sampson, Victor O., Woodland, Wash. Track brace and gauge. 1,637,919; Aug. 2.
Sanchez, Adalberto, Kingman, Ariz. Automobile signal device. 1,637,962; Aug. 2.
Sanders, Edgar R., Lakeville, Ind. Clamping means for extra tread rims of tractor wheels. 1,637,876; Aug. 2.
Sands Manufacturing Company, The. (See Hamilton, Paul H., assignor.)
Sauvagé, Fernand, Paris, France. Phosphorescent luminous enamel. 1,637,963; Aug. 2.
Schellhaas, George, Frankenthal-Pfalz, Germany. Manufacturing solid cork bodies and the like. 1,637,877; Aug. 2.
Schilling, Warren C., Green Bay, Wis. Paper carton. Des. 73,209; Aug. 2.
Schläfer, Valentin, Sommerda, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Fuse for projectiles. 1,637,964; Aug. 2.
Schmid, George, New York, N. Y. Bridge. 1,637,787; Aug. 2.
Schmidt, Benjamin F., et al. (See Schmidt, Benjamin F., assignor.)
Schmidt, Benjamin F., Exeter, assignor to K. C. Gillette and B. F. Schmidt, copartners, doing business as Gillette-Schmidt Gear Shift Company, Los Angeles, Calif. Selective transmission mechanism. 1,637,593; Aug. 2.
Schmidt, Frederick W., Philadelphia, Pa. Projecting lantern. 1,637,788; Aug. 2.
Schmidt, Karl F., Heidelberg, and P. Zutavern, assignors to Knoll & Co., Ludwigshafen-on-the-Rhine, Germany. Production of organic compounds. 1,637,661; Aug. 2.
Schmidt, Oscar C., and A. G. Klawitter, assignors to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Hashing machine. 1,637,965; Aug. 2.
Schmitt, Otto G., assignor to The Scholl Mfg. Co., Chicago, Ill. Making corn plasters. 1,637,623; Aug. 2.
Schmitt, Otto G., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Corn-plaster machine. 1,637,624; Aug. 2.

Schnitzer, Beno, Akron, Ohio, assignor to Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Bodensee, Germany. Device for ground transportation of airships. 1,637,789; Aug. 2.
Scholl Mfg. Co., The. (See Schmitt, Otto G., assignor.)
Schoonenberg, Pancras, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Continuous manufacture of glass tubes or rods. 1,637,458; Aug. 2.
Schultz, John L., assignor to American Engineering Company, Philadelphia, Pa. Protective curtain for furnaces. 1,638,004; Aug. 2.
Schünemann, Carl, Bremen, Germany. Three-color intaglio rotary printing press. 1,637,713; Aug. 2.
Schwerin, Frank H., Bellevue Borough, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Tie spacer. 1,637,459; Aug. 2.
Schweser, Carl E., assignor of one-half to F. G. Schweser, David City, Nebr. Hog ringer. 1,637,878; Aug. 2.
Schweser, Fred G. (See Schweser, Carl E., assignor.)
Secretary of Commerce of the United States, trustee. (See Cobienta, William W., assignor.)
Semler, Clyde M., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-repair vulcanizer. 1,637,879; Aug. 2.
Sesto, Antonio, San Jose, and J. Loiacono, near San Jose, Calif. Signal arm. Des. 73,210; Aug. 2.
Seward, Edwin C. (See Alexander, C. Z. and E. S., assignors.)
Seymour, Benjamin F., Washington, D. C. Vehicle construction and suspension. 1,637,355; Aug. 2.
Seymour, Benjamin F., Washington, D. C. Combined resilient suspension and transmission. 1,637,392; Aug. 2.
Shaffer, Wm. D. (See Wigle, Wilson B., assignor.)
Shand, Errol B., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Double-range variable-speed induction motor set. 1,637,393; Aug. 2.
Shapiro, Philip C., assignor to Siegel Light Supply Company, Philadelphia, Pa. Bench. Des. 73,211; Aug. 2.
Shaw, Edmund, Chicago, Ill. Sand cleaning and classifying device. 1,637,625; Aug. 2.
Shaw, George W., Philadelphia, Pa. Circuit closer. 1,637,837; Aug. 2.
Shepard, Victor J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Driving box. 1,637,394; Aug. 2.
Sherrod, William H., Los Angeles, Calif. Rocking-horse. 1,637,500; Aug. 2.
Shipley Patent Corporation. (See Shipley, Thomas, assignor.)
Shipley, Thomas, assignor to Shipley Patent Corporation, York, Pa. Removing oil from evaporating systems. 1,637,920; Aug. 2.
Shipley, Thomas, assignor to Shipley Patent Corporation, York, Pa. Measuring can filler. 1,637,967; Aug. 2.
Shuell, Frank W., assignor to Everhot Heater Company, Detroit, Mich. Water-heating apparatus. 1,637,395; Aug. 2.
Siegel Light Supply Company. (See Shapiro, Philip C., assignor.)
Simonds, Francis M., assignor of one-half to A. F. Hyde, New York, N. Y. Treating ores. 1,637,838; Aug. 2.
Simpson, James, Bellshill, and J. Glen, Coatbridge, Scotland. Apparatus for measuring linear dimensions. 1,637,921; Aug. 2.
Simpson, Mayroe D., Brooklyn, N. Y. Fluid transmission. 1,637,968; Aug. 2.
Simpson, Robert W., et al. (See White, Phillip A., assignor.)
Singelmann, Adolph H., Newburgh, N. Y. Self-lubricating bearing. 1,637,966; Aug. 2.
Slick, Edwin E., Pittsburgh, Pa. Continuous leer. 1,637,714; Aug. 2.
Slocum, Benjamin A., assignor to Ansco Photoproducts, Inc., Binghamton, N. Y. Grooving machine. 1,637,501; Aug. 2.
Small, Frederick T., and W. A. Dickie, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of plastic materials and to apparatus therefor. 1,637,715; Aug. 2.
Smidth, F. L., & Co. (See Jensen, Robert, assignor.)
Smith-Lee Company, The. (See Chaplin, Walter L., assignor.)
Smith, Walter H., Tulsa, Okla. Sign. 1,637,626; Aug. 2.
Smith, Walter H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system for motors. 1,637,356; Aug. 2.
Smith, William L., jr., assignor to May Hosiery Mills, Nashville, Tenn. Stop motion for knitting machines. 1,637,662; Aug. 2.
Societe des Appareils Mephisto Jules Manfredi and Cie. (See Fontana, Paul F. M. A., assignor.)
Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude.) (See Le Rouge, Jean, assignor.)
Solar Lighting Fixture Co. (See Bardwell, Ralph S., assignor.)
Solodar, Samuel, New York, N. Y. Alarm system. 1,637,396; Aug. 2.
Sosa, Augustus M., assignor to The American Tool Works Company, Cincinnati, Ohio. Feeding mechanism for metal-working machinery. 1,637,969; Aug. 2.
Spalding, A. G., & Bros. (See Fitzpatrick, K., and Mullins, assignors.)
Sparrow, Joseph C., Cleveland, Ohio. Window refrigerator. 1,637,460; Aug. 2.
Spencer Lens Company. (See Gary, Charles L., assignor.)
Spencer Lens Company. (See Ott, Harry G., assignor.)
Spiral Piston Ring Company. (See Graves, Harry S., assignor.)
Spurges, Charles, De Kalb, Ill. Automobile body. Des. 73,212; Aug. 2.
Standard Four Tire Co. (See Bierman, Edwin W., assignor.)
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard Oil Company of California. (See Kuhl, John, assignor.)
Standard Plate Glass Company. (See Stilwell, R. O., and Christie, assignors.)
Standard Tobacco Stemmer Company. (See Bronander, Wilhelm B., assignor.)
Stanton, Arthur G., Fargo, N. Dak. Fastener. 1,637,502; Aug. 2.
Star Chandelier Co. Inc. (See Boehringer, John A., assignor.)
Starke, Emil O., Oak Park, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Harp damper. 1,637,539; Aug. 2.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Stein, A., & Company. (See Fisher, Wilbur H., assignor.)
Sterling Bronze Company. (See Derujinsky, Gleb W., assignor.)
Stern, Joseph M., and E. M. Elder, Cleveland, Ohio. Interment mat. 1,637,839; Aug. 2.
Stertzbach, Harry W., and M. R. Hansen, assignors to The Bucketye Steel Castings Company, Columbus, Ohio. Car-truck side frame. 1,637,970; Aug. 2.
Stewart, Alexander, Denver, Colo. Rotary bit for drilling wells. 1,637,594; Aug. 2.
Stewart, Charles L., Jacksonville, Ala. Rim for automobile wheels. 1,637,880; Aug. 2.
Stewart, James M., Brisbane, Queensland, Australia. Flareless lamp. 1,637,429; Aug. 2.
Stickney, Alpheus B. (See Stickney, Charles A. and A. B.)
Stickney, Charles A., Rockford, Ill., and A. B. Stickney, New Haven, Conn. Maintaining a predetermined temperature. 1,637,756; Aug. 2.
Stilwell, Richard O., and C. H. Christie, assignors to Standard Plate Glass Company, Butler, Pa. Process of and apparatus for making sheet glass. 1,637,881; Aug. 2.
Stoeckicht, Wilhelm, Munich-Solln, Germany. Shaft coupling. 1,637,663; Aug. 2.
Stoeckicht, Wilhelm, Munich-Solln, Germany. Change-speed friction gearing. 1,637,664; Aug. 2.
Stone, George W., assignor to National Auto Body Works, San Francisco, Calif. Tractor coupling device. 1,637,665; Aug. 2.
Stretch, Charles B., Brockton, Mass. Fringe and making. 1,637,882; Aug. 2.
Struble, Leo O., and C. E. Hanly, Salina, Kans. Automobile awning. 1,637,971; Aug. 2.
Sturgis, Herbert M., Kansas City, Mo., assignor to Sturgis Mop Company. Mop. 1,637,595; Aug. 2.
Sturgis Mop Company. (See Sturgis, Herbert M., assignor.)
Sturk, Evald E., Altadena, Calif. Holder for tubes of tooth paste, shaving cream, and the like. 1,637,883; Aug. 2.
Suida, Hermann, Modling, near Vienna, Austria. Production of ethyl chloride. 1,637,972; Aug. 2.
Sukrow, Phillip, assignor to J. V. Roemer, Detroit, Mich. Reversible collar. 1,637,540; Aug. 2.
Sullivan, Frank A., Bethlehem, Pa. Game board. 1,637,922; Aug. 2.
Sun Oil Company. (See Alleman, Gellert, assignor.)
Sun Oil Company. (See McKee, James, assignor.)
Svenson, Sven, assignor of one-half to M. K. Reilly, Fond du Lac, Wis. Paper-fastening device. 1,637,357; Aug. 2.
Swanson, Bernhard M., Los Angeles, Calif. Instrument for gauging internal tapers. 1,637,757; Aug. 2.
Sykes, Adrian F., New Barnet, Herts, England. Telephone transmitter and receiver. 1,637,397; Aug. 2.
Symington Company, The. (See Hankins, Cyrus, assignor.)
Syracusa, Michael, Chicago, Ill. Airplane construction. 1,637,398; Aug. 2.
Tamboritza Manufacturing Company. (See Franic, Adolph, assignor.)
Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Double nut for dual wheels. 1,637,666; Aug. 2.
Taylor, John Q., Media, Pa. Safety-match-box holder. 1,637,358; Aug. 2.
Templeton, Alexander, Paterson, N. J. Shuttle-tension device. 1,637,359; Aug. 2.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing rubber. 1,637,790; Aug. 2.
Teppema, Jan, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing rubber. 1,637,791; Aug. 2.

Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York. N. Y. Automatic lathe. 1,637,792; Aug. 2.
Thermo Electric Battery Company. (See Hermann, Otto, assignor.)
Thomas, Elba A., et al. (See Minnis, Henry M., assignor.)
Thompson, Christian J., Peshtigo, Wis. Boat-hull construction. 1,637,973; Aug. 2.
Tjoen Siang Ie. (See Ellers, Jan., assignor.)
Townsend, James R. (See Eggers, W. M., and Mahr, assignors.)
Towson Body Co. (See Ferguson, Ivan P., assignor.)
Travers, Henry A., Forrest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-interrupting system. 1,637,360; Aug. 2.
Trimble, E. M., Mfg. Co. (See Baxter, William C., assignor.)
Triumph Cycle Company Limited. (See Parnell, Frank G., assignor.)
Truman, Fred, Pawtucket, R. I., assignor to North American Lace Company, Philadelphia, Pa. Lace center motif. Des. 73,213; Aug. 2.
Trumpler, William E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Damping device. 1,637,361; Aug. 2.
Truscon Steel Company. (See Coryell, William C., assignor.)
Tunison, Murray C., Los Angeles, Calif. Automobile roadster body. Des. 73,214; Aug. 2.
Tupper, Frank H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Molded panel and making same. 1,637,362; Aug. 2.
Türck, Eugen, Barmen-Langerfeld, Germany. Machine-braided lace insertion and making the same. 1,637,716; Aug. 2.
Turner, Aaron. (See Ham, Clayton S., assignor.)
Turner, Edgar A., Chicago, Ill. Heater for automobile water-cooling systems. 1,637,596; Aug. 2.
Turner, John T., Exmore, Va. Protector. 1,637,974; Aug. 2.
Ulrich, Gerardus J., Dusseldorf, Grafenberg, Germany. Apparatus for cleaning, collecting, or separating gases. 1,637,597; Aug. 2.
United Engineering and Foundry Company. (See Klein, Clarence J., assignor.)
United Metal Hose Company. (See Levitt, Samuel, assignor.)
United Shoe Machinery Corporation. (See Woodcock, R. B., and Hope, assignors.)
United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
United States Gypsum Company. (See Brookby, Harry E., assignor.)
U. S. Shutter Lens Company. (See Radford, Herbert A., assignor.)
Universal Postal Frankers Limited. (See Kinnard, Edward H., assignor.)
Van der Kamp, Martin C., San Jose, Calif. Finishing metal walls. 1,637,793; Aug. 2.
Van Houten, Frances R., Detroit, Mich. Tie straightener. 1,637,399; Aug. 2.
Van Wie, Elmer E., Long Beach, Calif. Building construction. 1,637,430; Aug. 2.
Vaughan, Robert J., assignor to Children's Clinical Laboratory, Hamilton, Ohio. Closure for containers. 1,637,667; Aug. 2.
Venzke, Herbert F., Boyertown, Pa. Radio tuning device. 1,637,923; Aug. 2.
Vetter, George W., Commerce, Mo. Shocking attachment for grain binders. 1,637,668; Aug. 2.
Vierling, Margaretha A. (See Iseman, Minnie, assignor.)
Vogelbusch, Wilhelm, Vienna, Austria. Concentrator for liquids. 1,637,431; Aug. 2.
Volk, Hattie F., New York, N. Y. Brassière. 1,637,840; Aug. 2.
Von Bohuszewicz, Oskar, and W. Wilk, Dusseldorf, Germany. Device for measuring the forces arising during turning on lathes and the like. 1,637,676; Aug. 2.
Von Király, Paul, and J. Lovász, Budapest, Hungary. Automatic arm. 1,637,400; Aug. 2.
Vulcan Last Company, The. (See Clausing, George, assignor.)
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,637,975; Aug. 2.
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Mechanical pencil. 1,637,363; Aug. 2.
Walker, Arthur W., Conway, Mo., assignor of one-fourth to C. N. Finn, Conway, Ark. Safety envelope. 1,637,884; Aug. 2.
Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Liquid pump. 1,637,669; Aug. 2.
Wallis, Barnes N., and C. D. Burney, Wesminster, assignors to Airship Guarantee Company, Limited, London, England. Lighter-than-air aircraft. 1,637,432; Aug. 2.
Wannamaker, William W., jr., Orangeburg, S. C. Pilehead protector. 1,637,627; Aug. 2.
Waream, Charles E., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Garment press. 1,637,598; Aug. 2.
Wasserman, Hyme, Brooklyn, N. Y. Producing fur-bearing sheets used in the manufacture of garments and garment trimmings. 1,637,885; Aug. 2.
Watt, William R. H. (See De Armond, W. C., and Watt.)
Weary, U. S., et al. (See Clark, Edward E., assignor.)
Webb, Robert D., Minden, La. Housing for high-density compresses. 1,637,976; Aug. 2.
Weber, Harry M. (See Ellis, C., and Weber.)
Wege, Peter M., assignor to Metal Office Furniture Company, Grand Rapids, Mich. Leg construction for metal desks. 1,637,503; Aug. 2.
Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Vehicle bumper. 1,637,364; Aug. 2.
Weiler, Wilhelm, Niederschonhausen, Berlin, Germany, assignor to General Electric Company. Single-phase induction-motor control system. 1,637,886; Aug. 2.
Weisgerber, Edwin C., Long Beach, Calif. Tool joint. 1,637,628; Aug. 2.
Wellman, Samuel K., Cleveland Heights, and A. A. Gould, Cleveland, Ohio. Lubricating apparatus. 1,637,841; Aug. 2.
Wells, William F., Chicago, Ill. Electrical switch. 1,637,461; Aug. 2.
Wens, Jonathan, Pforzheim, Germany. Chain-making machine. 1,637,758; Aug. 2.
Wernlé, Karl A., assignor to James B. Clow & Sons, Chicago, Ill. Spud for waste connections and the like. 1,637,365; Aug. 2.
Wessel, Howard H., assignor to The Hart & Cooley Manufacturing Company, New Britain, Conn. Book end. Des. 73,215; Aug. 2.
West, Harry E., Decatur, Ill. Automobile visor. 1,637,842; Aug. 2.
Western Coil & Electrical Co. (See Lewis, W. T., and Eells, assignors.)
Westfield, Gustav A., Salem, Oreg. Door latch. 1,637,366; Aug. 2.
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bierman, Harry C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cheetham, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Houston, Harold A., assignor.)
Westinghouse Electric & Manufacturing Company. (See McClain, John R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pierce, Raymond T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Randall, K. C., and Ansingh, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rottgardt, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shand, Errol B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shepard, Victor J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Walter H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Travers, Henry A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trumpler, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tupper, Frank H., assignor.)
Weyandt, Carl S., Pittsburgh, Pa., assignor to Central Electric Tool Company. Controlling reciprocating motors. 1,637,401; Aug. 2.
Weyandt, Carl S., assignor to Central Electric Tool Company, Pittsburgh, Pa. Reciprocating motor system. 1,637,717; Aug. 2.
Wheeler, Earl H., Windsor, Vt., assignor to The National Acme Company, Cleveland, Ohio. Nut-facing attachment for automatic machines. 1,637,718; Aug. 2.
Whitaker, Frederic, Providence, R. I. Pendant. Des. 73,216; Aug. 2.
Whitcomb, William H. (See Chandler, Daniel L., assignor.)
White Motor Company. (See Dingman, Thomas C., assignor.)
White, Phillip A., St. Albans, assignor of one-half to R. W. Simpson and one-half to E. A. Kemp, New York, N. Y. Vehicle wheel. 1,637,504; Aug. 2.
White, Harry, et al. (See Davis, W. H. H., and Celentano, assignors.)
Whitehead, T. C. (See Heideman, Fred J., assignor.)
Whitehead, Thomas C., Detroit, Mich. Hold over. 1,637,843; Aug. 2.
Whiteman, George W., Philadelphia, assignor to Frog Switch and Manufacturing Company, Carlisle, Pa. Guard rail. 1,637,844; Aug. 2.
Whitlock, Sallie, Los Angeles, Calif. Safety slip for nursing bottles. 1,637,719; Aug. 2.
Wigle, Wilson B., Long Beach, assignor, by mesne assignments, to W. D. Shaffer, Brea, Calif. Rotary hydraulic jar mechanism. 1,637,505; Aug. 2.
Wilk, Wilhelm. (See von Bohuszewicz, O., and Wilk.)
Willans, Peter W., Pattishall, Towcester, England. Thermionic valve circuits. 1,637,924; Aug. 2.

Willans, Peter W., Pattishall, Towcester, England. Thermionic valve circuits. 1,637,977; Aug. 2.
Williams, Dayton L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Knife bracket for tire machines. 1,637,794; Aug. 2.
Williams, Edward T., Brooklyn, assignor to Refrigeration Development, Inc., New York, N. Y. Reciprocating compressor. Re16,693; Aug. 2.
Williams, Elijah. (See Prisley, Leonard C., assignor.)
Williams Oil-O-Matic Heating Corporation. (See Williams, Walter W., assignor.)
Williams, Walter W., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Safety control mechanism for liquid-fuel burners. 1,637,670; Aug. 2.
Williamson, Roy C. (See Abbe, G. C., and Williamson.)
Wilson, Robert M., Montclair, N. J., assignor to General Electric Company. Voltage regulation of exciters. 1,637,887; Aug. 2.
Wine Railway Appliance Co. (See Neikirk, John O., assignor.)
Winsor, Irwin B., Tulsa, Okla. Method of and apparatus for pumping wells. 1,637,629; Aug. 2.
Wood, Straud K., Hutchinson, Kans. Motor-car-identifying appliance. 1,637,541; Aug. 2.
Wood, Straud K., Hutchinson, Kans. Car-identifying appliance. 1,637,542; Aug. 2.
Woodcock, Reginald B. and E. Hope, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,637,506; Aug. 2.
Wright, William, assignor, by mesne assignments, to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car roof. 1,637,888; Aug. 2.
Yale & Towne Manufacturing Company, The. (See Maxwell, Maxwell C., assignor.)
Yngve, Victor, South Orange, N. J., assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry cell. 1,637,433; Aug. 2.
Young, Hugh E. (See Kushlan, M., and Young.)
Young, Jean A., Millville, N. J. Cobbler's jack. 1,637,462; Aug. 2.
Zander, Hermann, Stettin, Germany. Oil press with disintegrating means. 1,637,671; Aug. 2.
Zavagno, Alfred N., San Francisco, Calif. Compass. 1,637,507; Aug. 2.
Zimmers, Joseph B., and O. L. Herron, Chicago, Ill. Automobile inclosure structure. 1,637,867; Aug. 2.
Zutavern, Philipp. (See Schmidt, K. F., and Zutavern.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2d DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Address plates, Receptacle for. H. C. Osborn. 1,637,498; Aug. 2.
Addressing machine. E. Henzé-Beauregard. 1,637,938; Aug. 2.
Adjusting device. S. W. Hyatt. 1,637,417; Aug. 2.
Aerial propulsion. P. Peterson. 1,637,389; Aug. 2.
Aeroplane fuselages, Wall construction for. A. Nosan. 1,637,871; Aug. 2.
Aeroplane wing. F. E. McGrath. 1,637,954; Aug. 2.
Aeroplanes, Steering mechanism for. A. Nosan. 1,637,872; Aug. 2.
Agricultural drills or cultivators, Feeding of conducting tube for. C. Hunt. 1,637,416; Aug. 2.
Agricultural implement. H. Ferguson. 1,637,811; Aug. 2.
Agricultural implement. R. B. Morrow. 1,637,424; Aug. 2.
Aircraft, Landing and taking-off station for. W. J. Ennisson. 1,637,769; Aug. 2.
Aircraft, Lighter-than-air. B. N. Wallis and C. D. Burney. 1,637,432; Aug. 2.
Air or other gaseous mixture by liquefaction and rectification, Separation of the elements of. J. Le Rouge. 1,638,005; Aug. 2.
Airplane construction. M. Syracusa. 1,637,398; Aug. 2.
Air-purifying apparatus. A. Nosan. 1,637,873; Aug. 2.
Air-purifying device. B. F. Jancke. 1,637,448; Aug. 2.
Airship, Gas-inflated. K. Hürttle. 1,637,774; Aug. 2.
Airships, Device for ground transportation of. B. Schnitzer. 1,637,789; Aug. 2.
Alarm system. S. Solodar. 1,637,396; Aug. 2.
Antenna reel. K. Rottgardt. 1,637,354; Aug. 2.
Antiglare attachment. A. A. Ehrlichman. 1,637,608; Aug. 2.
Antitheft device. I. M. Glick. 1,637,858; Aug. 2.
Antivibrating device. E. E. Clark. 1,637,604; Aug. 2.
Arm, Automatic. P. von Király and J. Lovász. 1,637,400; Aug. 2.
Articulator. W. M. Gambill. 1,637,934; Aug. 2.
Ash system, Dustless. H. P. Banninga. 1,637,982; Aug. 2.
Ash tray. A. Rosenshine. Des. 73,201; Aug. 2.
Asphalt, Storing and handling apparatus for. H. W. Ash. 1,637,889; Aug. 2.
Automatic heater. W. J. Hawkins. 1,637,820; Aug. 2.
Automobile body. C. Spurges. Des. 73,212; Aug. 2.
Automobile hood clamp. R. G. Moore. 1,637,530; Aug. 2.
Automobile hoods and radiators, Emblem for. G. W. Derujinsky. Des. 73,161; Aug. 2.
Automobile inclosure structure. J. B. Zimmers and O. L. Herron. 1,637,367; Aug. 2.
Automobile lock. H. G. Hughes. 1,637,343; Aug. 2.
Automobile roadster body. M. C. Tunison. Des. 73,214; Aug. 2.
Automobile signal accessory. J. E. Liebrich. 1,637,528; Aug. 2.
Automobile signal device. A. Sanchez. 1,637,962; Aug. 2.
Automobiles, Bumper bar and rear fender for. F. Peacock. 1,637,454; Aug. 2.
Awning, Automobile. L. O. Struble and C. E. Hanly. 1,637,971; Aug. 2.
Baffling and separating structure. O. H. Eschholz. 1,637,372; Aug. 2.
Bag-closing machine. T. Allatt. 1,637,509; Aug. 2.
Bale-dividing device. A. C. Barrows. 1,637,543; Aug. 2.
Ball mills, Screen grate for. W. Currie. 1,637,986; Aug. 2.
Banjo, Ring for a. V. E. Adler. Des. 73,154; Aug. 2.
Bar: *See*—
Grate bar.
Battery: *See*—
Primary battery.
Battery-terminal lifter. C. C. Echelberger. 1,637,687; Aug. 2.
Bearing, Self-lubricating. A. H. Singelmann. 1,637,966; Aug. 2.
Bed and couch, Combination. H. Manott and J. H. McGrath. 1,637,493; Aug. 2.
Bed, Foldable. S. Abrams. 1,637,845; Aug. 2.
Beet-topping machine. G. Isago. 1,637,644; Aug. 2.
Belt clamp. C. E. Girten. 1,637,694; Aug. 2.
Bench. P. C. Shapiro. Des. 73,211; Aug. 2.
Bird-cage stand. C. H. Hennings. Des. 73,176; Aug. 2.
Blast furnace. W. C. Parsons. 1,637,350; Aug. 2.
Block: *See*—
Paving block.

Blow-out boot. J. F. Rogers. 1,637,712; Aug. 2.
Board: *See*—
End-gate scoop board. Running board.
Game board.
Boat-hull construction. C. J. Thompson. 1,637,973; Aug. 2.
Bodily exercise, Appliance for. B. Neumann. 1,638,003; Aug. 2.
Boiler: *See*—
Steam boiler.
Boiler. W. G. Hoagland. 1,637,939; Aug. 2.
Boiler attachment, Steam. C. Z. Alexander and E. S. Alexander. 1,637,721; Aug. 2.
Boiler fire box, Locomotive. C. G. Hawley. 1,637,819; Aug. 2.
Book end. H. H. Wessel. Des. 73,215; Aug. 2.
Boom-swinging mechanism, Power. R. W. Runge. 1,637,457; Aug. 2.
Boots and shoes, Stiffener for. G. L. Preble. 1,637,709; Aug. 2.
Boring machine. F. C. Allen. 1,637,759; Aug. 2.
Boring machine, Expansible. A. Gosper. 1,637,745; Aug. 2.
Boring mechanism. J. T. Hiscock. 1,637,611; Aug. 2.
Bottle. G. Mexitis. Des. 73,190; Aug. 2.
Bottle, Barber's dispensing. R. Depue. 1,637,557; Aug. 2.
Bottle cap. W. L. Chaplin. 1,637,470; Aug. 2.
Bottle cap, Automatic. R. R. Frye. 1,637,562; Aug. 2.
Bottle-filling machine. W. Meadowcroft. 1,637,582; Aug. 2.
Bottles, Safety slip for nursing. S. Whitlock. 1,637,719; Aug. 2.
Box: *See*—
Boiler fire box. Driving box.
Box holder, Safety match-. J. Q. Taylor. 1,637,358; Aug. 2.
Box opener. J. H. Richards. 1,637,916; Aug. 2.
Brace and gauge, Track. V. O. Sampson. 1,637,919; Aug. 2.
Bracket: *See*—
Roller-shade bracket.
Brake. J. T. Crane. 1,637,894; Aug. 2.
Brake-control-actuating mechanism. A. Y. Dodge. 1,637,520; Aug. 2.
Brassière. H. F. Volk. 1,637,840; Aug. 2.
Bridge. G. Schmid. 1,637,787; Aug. 2.
Brooder hover, Adjustable. F. Frengle. 1,637,637; Aug. 2.
Broom holder. A. J. Milligan. 1,637,782; Aug. 2.
Brooms, Manufacture of. O. A. Hawkins. 1,637,639; Aug. 2.
Brush. L. C. Herold. 1,637,823; Aug. 2.
Building construction. E. E. van Wie. 1,637,430; Aug. 2.
Building material, Porous composition. D. Garza. 1,637,935; Aug. 2.
Bumper, Vehicle. A. Welland. 1,637,364; Aug. 2.
Burner: *See*—
Gas burner. Oil burner.
Liquid-fuel burner.
Calculating machines, Coupling device for. A. Kottmann. 1,637,827; Aug. 2.
Camera, Automatic roll-film. F. H. Hadfield. 1,637,414; Aug. 2.
Cameras and the like, Focusing instrument for. G. A. Mitchell. 1,637,529; Aug. 2.
Can: *See*—
Garbage can.
Can filler, Measuring. T. Shipley. 1,637,967; Aug. 2.
Canes, Apparatus for inserting dry-cell cores into. H. A. Ring. 1,637,711; Aug. 2.
Canopy or tent. W. C. Baxter. 1,637,725; Aug. 2.
Capstan, Electric. W. J. Hawkins. 1,637,818; Aug. 2.
Car brakes, Power device for operating. C. W. Collins. 1,637,440; Aug. 2.
Car, Concrete railway. A. C. Griewank. 1,637,817; Aug. 2.
Car end. T. N. Russell. 1,637,918; Aug. 2.
Car-identifying appliance. S. K. Wood. 1,637,542; Aug. 2.
Car-identifying appliance, Motor-. S. K. Wood. 1,637,541; Aug. 2.
Car roof. W. Wright. 1,637,588; Aug. 2.
Car, Sectional railway. R. L. Parker. 1,637,585; Aug. 2.
Car truck. S. P. Bush. 1,637,928; Aug. 2.

Car-truck side frame. H. W. Stertzbach and M. R. Hansen. 1,637,970; Aug. 2.
Car-uncoupling mechanism. H. F. Finney and F. A. Jacobs. 1,637,899; Aug. 2.
Cars, Door mechanism for railway. B. W. Kadel. 1,637,905; Aug. 2.
Cars, Supporting the contents in freight. R. E. Harmon. 1,637,748; Aug. 2.
Cars, Ventilating door for the hatchways of refrigerator. G. A. Hull. 1,637,861; Aug. 2.
Carburetors, Attachment for. C. Powell. 1,637,455; Aug. 2.
Card holder. G. H. Keeney. 1,637,344; Aug. 2.
Carrier: *See*—
Luggage carrier.
Carton-blank separator. J. H. Krapf. 1,637,560; Aug. 2.
Caustic alkali, etc., Production of. L. Bradley and E. P. McKeefe. 1,637,514; Aug. 2.
Centrifugal machine. W. C. Coleman. 1,637,552; Aug. 2.
Chain-making machine. J. Wenz. 1,637,758; Aug. 2.
Chain, Tractor. H. Y. Law. 1,637,777; Aug. 2.
Chair: *See*—
Swiveling chair.
Chandelier or article of similar nature. T. J. Petersen. Des. 73,194; Aug. 2.
Chandelier or article of similar nature. T. J. Petersen. Des. 73,196–7; Aug. 2.
Chandelier or article of similar nature. I. Rosenblatt. Des. 73,200; Aug. 2.
Check-dispensing machine. G. S. Rider. 1,637,710; Aug. 2.
Chloro derivatives of N-dihydro-1,2,1',2'-anthraquinonazine and making same. O. M. Bishop. 1,637,851; Aug. 2.
Chocolate-dipping machine. E. G. Lanzi. 1,637,577; Aug. 2.
Chuck. O. J. Cameron. 1,637,436; Aug. 2.
Cigar-box molstener. D. J. Gallagher. 1,637,814; Aug. 2.
Cigar lighter. W. J. Butler. 1,637,853; Aug. 2.
Cigarette-machine cut-off. W. B. Bronander. 1,637,803; Aug. 2.
Cinematic apparatus. E. Cauda. 1,637,409; Aug. 2.
Circuit closer. G. W. Shaw. 1,637,837; Aug. 2.
Circuit-interrupting device. K. C. Randall and H. K. Ansingh. 1,637,351; Aug. 2.
Circuit-interrupting system. H. A. Travers. 1,637,360; Aug. 2.
Clamp: *See*—
Automobile hood clamp. Drill-stem clamp.
Belt clamp.
Clamp. F. Hernandez y Perez. 1,637,654; Aug. 2.
Clasp: *See*—
Jewelry clasp.
Clasp for bobbed hair. J. D. Lui. 1,637,492; Aug. 2.
Cleaner: *See*—
Sewer cleaner.
Window or windshield cleaner.
Cleaning systems, Liquid-level controlling means for dry-. R. Holland. 1,637,902; Aug. 2.
Clip and retainer. G. T. Gillette. 1,637,564; Aug. 2.
Clock, Electric and self-winding. C. S. Ham. 1,637,997; Aug. 2.
Clothes and other articles, Holder for. J. Emel. 1,637,688; Aug. 2.
Clothes wringer. S. N. McClean. 1,637,581; Aug. 2.
Clutch, Friction. G. C. Carhart. 1,637,734; Aug. 2.
Cobbler's jack. J. A. Young. 1,637,462; Aug. 2.
Coffee product and making it. J. L. Kopf. 1,637,648; Aug. 2.
Coin receptacle. D. L. Chandler. 1,637,549; Aug. 2.
Collar, Reversible. P. Sukrow. 1,637,540; Aug. 2.
Combustion, Device for promoting. E. A. Earle 1,637,741; Aug. 2.
Compass. A. N. Zavagno. 1,637,507; Aug. 2.
Compensating mechanism. W. W. Benner and E. A. Hoener. 1,637,892; Aug. 2.
Compresses, Housing for high-density. R. D. Webb. 1,637,976; Aug. 2.
Compressor, Reciprocating. E. T. Williams. Re16,693; Aug. 2.
Concrete construction, Reenforced. W. S. Edge and R. C. Olmsted. 1,637,742; Aug. 2.
Concrete construction, Reenforced. T. J. Foster. 1,637,932; Aug. 2.
Condenser, Variable. H. Kimura. 1,637,646; Aug. 2.
Connecting rod, Articulated. G. D. Angle. 1,637,979; Aug. 2.
Connecting rods, Aligning and reaming machine for. W. Aab. 1,637,508; Aug. 2.
Contact apparatus, Liquid and Gas. F. H. Wagner. 1,637,975; Aug. 2.
Contacting means. H. E. Boner. 1,637,468; Aug. 2.
Container. D. E. Carpenter. 1,637,333; Aug. 2.
Containers, Closure for. R. J. Vaughan. 1,637,667; Aug. 2.
Control mechanism. R. L. Austin. 1,637,722; Aug. 2.
Cooling system. A. H. Leipert. 1,637,382; Aug. 2.
Cord-attaching device. W. R. Larter. 1,637,698; Aug. 2.
Cord connecter. A. Rubin. 1,637,836; Aug. 2.
Cording device. L. A. Brooks. 1,637,804; Aug. 2.
Cork bodies and the like, Manufacturing solid. G. Schellhaas. 1,637,877; Aug. 2.
Corn, grains, and the like, Apparatus for cleaning, peeling, or shelling. S. Camilia and F. Pagliani. 1,637,678; Aug. 2.
Corn-plaster machine. O. G. Schmitt. 1,637,624; Aug. 2.
Corn plasters, Making. O. G. Schmitt. 1,637,623; Aug. 2.
Coupling: *See*—
Draft coupling. Pipe coupling.
Grease coupling. Shaft coupling.
Coupling device. A. R. Keller. 1,637,944; Aug. 2.
Crate, Shipping. J. W. Samples. 1,637,660; Aug. 2.
Credit form, Mercantile. D. L. Cline. 1,637,985; Aug. 2.
Crucibles and the like, Machine for the manufacture of. H. E. Porter. 1,637,708; Aug. 2.
Crucibles and the like, Manufacturing. H. E. Porter. 1,637,707; Aug. 2.
Cultivator. H. E. Altgelt. 1,637,925; Aug. 2.
Curb and gutter form. J. N. Heltzel. 1,637,998; Aug. 2.
Current-interrupting device. A. Herz. 1,637,610; Aug. 2.
Current selector, Alternating-. H. G. Dorsey. 1,637,442; Aug. 2.
Curtain crane. A. Diouhy. Des. 73,165–6; Aug. 2.
Curtain-draping device. A. A. Moats. 1,637,704; Aug. 2.
Curtain-pole end. W. F. Hofmann. Des. 73,178–80; Aug. 2.
Cushion, mattress, seat, and bed, Spring. D. T. Owen and W. G. Lehmann. 1,637,584; Aug. 2.
Cylinder lock. M. C. Maxwell. 1,637,953; Aug. 2.
Damping device. W. E. Trumpler. 1,637,361; Aug. 2.
Dash control. A. R. Cooper. 1,637,737; Aug. 2.
Dental cleansing device. A. B. Cough. 1,637,738; Aug. 2.
Dental triturating appliance. M. M. House. 1,637,569; Aug. 2.
Desk-pad holder. W. C. Hiering. 1,637,485; Aug. 2.
Desks, Leg construction for metal. P. M. Wege. 1,637,503; Aug. 2.
Detachable cap, Quick-. A. E. Bronson. 1,637,332; Aug. 2.
Die-casting machine. J. S. Gullborg. 1,637,566; Aug. 2.
Directory. C. E. Cowles. 1,637,685; Aug. 2.
Discharge unloader. S. B. Redfield. 1,637,875; Aug. 2.
Dishwashing machine. J. J. Gibney. 1,637,376; Aug. 2.
Dispensing device. L. Marchione. 1,637,951; Aug. 2.
Dispensing top. L. S. Burbank. 1,637,548; Aug. 2.
Display rack. G. Johansson. 1,637,573; Aug. 2.
Display rack. W. W. Lewis. 1,637,578; Aug. 2.
Ditch-maintaining drag. D. Atkins, jr., F. O. Anderson, and E. E. Lindsey. 1,637,673; Aug. 2.
Doors and the like, Adjusting device for. L. G. Prisley. 1,637,655; Aug. 2.
Draft coupling. J. Burbach. 1,637,854; Aug. 2.
Drawing and spooling mechanism and method. J. H. Lee and F. Honig. 1,637,700; Aug. 2.
Drier: *See*—
Rotary drier. Veneer drier.
Drill-steel retainer. G. M. Nell and W. G. Kale. 1,637,912; Aug. 2.
Drill-stem clamp. G. R. Livergood. 1,637,383; Aug. 2.
Drilling jar, Making. P. Arbon. 1,637,511; Aug. 2.
Drilling wells, Rotary bit for. A. Stewart. 1,637,594; Aug. 2.
Driving box. V. J. Shepard. 1,637,394; Aug. 2.
Dry cell. W. F. Hendry. 1,637,446; Aug. 2.
Dry cell. V. Yngve. 1,637,433; Aug. 2.
Electric furnace. J. Kelleher. 1,637,486; Aug. 2.
Electric motor, Reciprocating. H. E. Fox. 1,637,813; Aug. 2.
Electric musical recorder. A. Barbieri. 1,637,674; Aug. 2.
Electric truncheon torch. A. McMurray. 1,637,650; Aug. 2.
Electrical apparatus. M. Latour. 1,637,828; Aug. 2.
Electrical connecter and fixture support, Combination. R. B. Benjamin. 1,637,463; Aug. 2.
Electrical fuel-feeding apparatus, Switch for. A. Nagel. 1,637,425; Aug. 2.
Electrical switch. W. F. Wells. 1,637,461; Aug. 2.
Electrical testing apparatus. J. M. Coote. 1,637,472; Aug. 2.
Electrodes, Binder for securing medical. W. A. Laurie. 1,637,829; Aug. 2.
Electrolytic condensers, Electrode for. C. Aalborg. 1,637,328; Aug. 2.
Electron-tube apparatus. F. A. Kolster. 1,637,864; Aug. 2.
Elevator drive. P. C. Day. 1,637,476; Aug. 2.
Enamel, Phosphorescent luminous. F. Sauvagé. 1,637,963; Aug. 2.
End-gate scoop board. T. D. Beintema. 1,637,631; Aug. 2.
Engine: *See*—
Internal-combustion engine.
Engine starter. W. L. McGrath. 1,637,422; Aug. 2.
Engines, Construction and mounting of a valve-sealing mechanism for internal-combustion. R. W. A. Brewer. 1,637,799; Aug. 2.
Engines, Cylinder head for sleeve-valve internal-combustion. E. R. Burtnett. 1,637,519; Aug. 2.
Engines, Governor for tractor. O. T. Nichol. 1,637,453; Aug. 2.
Engines, Lubricating apparatus for internal-combustion. C. C. Berg. 1,637,600; Aug. 2.
Engines, Muffler for internal-combustion. F. A. Nelson. 1,637,347; Aug. 2.

Engines, Safety device for apparatus for forced lubrication in combustion. J. Eilers. 1,637,412; Aug. 2.
Engines, Testing device for internal-combustion. T. O. Lilles. 1,637,867; Aug. 2.
Envelope, Safety. A. W. Walker. 1,637,884; Aug. 2.
Escutcheon plate for a vernier dial. J. Geloso. Des. 73,170; Aug. 2.
Ethyl chloride, Production of. H. Suida. 1,637,972; Aug. 2.
Explosives, Producing. F. H. Bergeim. 1,637,726; Aug. 2.
Eyebrow pencils and the like, Container for. A. H. Bosworth. 1,637,545; Aug. 2.
Eye-protective glass. W. W. Coblentz. 1,637,439; Aug. 2.
Fan or blower. W. H. C. Ness. 1,637,652; Aug. 2.
Fastener. A. G. Stanton. 1,637,502; Aug. 2.
Feeding mechanism. E. L. Mueller. 1,637,833; Aug. 2.
Fence post. H. C. Jones. 1,637,645; Aug. 2.
Fender: *See*—
Vehicle fender.
Fender guard. R. B. Fageol. 1,637,770; Aug. 2.
Fiber, Sizing and finishing articles of. F. M. Kern. 1,637,487; Aug. 2.
Fibrous waste from machines, Elimination of. E. Gminder. 1,637,340; Aug. 2.
Filing and indexing equipment. J. T. Quigley. 1,637,534; Aug. 2.
Fire-sprinkler system, Automatic. H. M. Minnis. 1,637,621; Aug. 2.
Fishing reel. F. M. Case. 1,637,437; Aug. 2.
Flag stand. N. Losness. Des. 73,189; Aug. 2.
Flashlight. C. Osean. Des. 73,192; Aug. 2.
Floor covering. J. B. Campbell. 1,637,762; Aug. 2.
Flooring. C. J. Carter. 1,637,634; Aug. 2.
Flow meter. C. R. H. Bonn. 1,637,927; Aug. 2.
Fluid transmission. M. D. Simpson. 1,637,968; Aug. 2.
Flush tanks and the like, Snap action valve for. H. C. Eustis. 1,637,444; Aug. 2.
Folder and gauge, Combination advertising. R. H. Keaton. 1,637,775; Aug. 2.
Food choppers, Drip pan for. C. B. Lightfoot. 1,637,866; Aug. 2.
Foot rest. A. T. Potter and A. B. Medville. 1,637,588; Aug. 2.
Footwear, Auxiliary sole for. J. L. G. Dykes. 1,637,809; Aug. 2.
Fountain: *See*—
Hog fountain.
Frame: *See*—
Car-truck side frame. Side frame.
Picture frame.
Frequency changer. G. H. Jump. 1,637,863; Aug. 2.
Fringe and method of making. C. B. Stretch. 1,637,882; Aug. 2.
Frock. M. V. Brunk and D. D. Harrison. 1,637,518; Aug. 2.
Fuel economizer. F. H. Roth. 1,637,591; Aug. 2.
Fur-bearing sheets used in the manufacture of garments and garment trimmings, Producing. H. Wasserman. 1,637,885; Aug. 2.
Furnace: *See*—
Blast furnace. Electric furnace.
Furnace and operating the same. A. L. Culbertson. 1,637,473; Aug. 2.
Furnaces, Apparatus for supplying fuel oil to. A. C. Bennett. 1,637,368; Aug. 2.
Furnaces, Protective curtain for. J. L. Schultz. 1,638,004; Aug. 2.
Furniture, Convertible. J. A. Arton. 1,637,797; Aug. 2.
Fuse for projectiles. V. Schlüfer. 1,637,964; Aug. 2.
Game apparatus. B. A. Bristow. 1,637,517; Aug. 2.
Game board. F. A. Sullivan. 1,637,922; Aug. 2.
Garbage can, Sanitary. O. F. Radcliffe. 1,637,656; Aug. 2.
Garden-hose supporter. B. C. Hamilton. 1,637,523; Aug. 2.
Garment, Apparel. W. Kops. 1,637,826; Aug. 2.
Garment press. C. E. Warcam. 1,637,598; Aug. 2.
Gas burner, Air-blast. C. F. Heckel and E. Messer. 1,637,772; Aug. 2.
Gases, Apparatus for cleaning, collecting, or separating. G. J. Uricl. 1,637,597; Aug. 2.
Gate mechanism. M. Kushlan and H. E. Young. 1,637,575; Aug. 2.
Gear, Molded. H. C. Bierman. 1,637,331; Aug. 2.
Gear mounting, Self-aligning. R. Chilton. 1,637,806; Aug. 2.
Gear, Planetary reduction. E. K. Baker. 1,637,847; Aug. 2.
Gearing, Change-speed friction. W. Stoecklcht. 1,637,664; Aug. 2.
Gearing, Resilient. R. Jensen. 1,637,379; Aug. 2.
Generator: *See*—
Steam generator.
Generator or water heater, Steam. T. Clarkson. 1,637,680–1; Aug. 2.
Generator or water heater, Steam. T. Clarkson. 1,637,683; Aug. 2.
Glare shield and bracket therefor, Combined. H. S. Libbey. Des. 73,187; Aug. 2.
Glass: *See*—
Eye-protective glass.
Glass, Delivery apparatus for molten. E. G. Nelson, Jr. 1,637,452; Aug. 2.
Glass in sheet form and apparatus therefor, Drawing of. E. Rowart. 1,637,961; Aug. 2.
Glass mounts, Machine for making. C. Elsler. 1,637,989; Aug. 2.
Glass, Process of and apparatus for making sheet. R. O. Stilwell and C. H. Christle. 1,637,881; Aug. 2.
Glass tube or rod, continuous manufacture of. P. Schoonenberg. 1,637,458; Aug. 2.
Glassware-transferring device. E. H. Lorenx and J. Davis. 1,637,490; Aug. 2.
Goggles, Golf. W. C. Brumder. 1,637,406; Aug. 2.
Golf-ball tee, Automatic. T. C. Roberts. 1,637,537; Aug. 2.
Golf club and making the same. S. E. Collinson. 1,637,735; Aug. 2.
Golf-club-carrying case and bag. H. A. Sampson. 1,637,538; Aug. 2.
Golf strokes, Instructing. M. J. Glennon and H. G. Higham. 1,637,339; Aug. 2.
Golf tee. G. Clausing. 1,637,551; Aug. 2.
Governor, Bolt-type emergency. F. C. Linn. 1,637,909; Aug. 2.
Grain binders, Shocking attachment for. G. W. Vetter. 1,637,668; Aug. 2.
Grate bar. A. C. Mott., jr. 1,637,957; Aug. 2.
Grease coupling, High-pressure. W. F. Hundemer. 1,637,612; Aug. 2.
Grease, Making. J. McKee. 1,637,703; Aug. 2.
Grooving machine. H. A. Slocum. 1,637,501; Aug. 2.
Guard rail. G. W. Whiteman. 1,637,844; Aug. 2.
Gypsum product, Light-weight. H. E. Brookby. 1,638,001; Aug. 2.
Hairpin. W. H. H. Davis and F. Celemtano. 1,637,766; Aug. 2.
Hair-tinting device. F. J. Matheson. 1,637,781; Aug. 2.
Hair-treating method and composition. J. C. Brown. 1,637,469; Aug. 2.
Hair waver or crimper. B. M. Beskow. 1,637,893; Aug. 2.
Hand roller. F. H. Martin. 1,637,450; Aug. 2.
Handle: *See*—
Switch handle.
Hanger: *See*—
Picture hanger.
Harp damper. E. O. Starke. 1,637,539; Aug. 2.
Harrow. C. J. Buswell. 1,637,633; Aug. 2.
Harvesting machine. L. J. Cameron. 1,637,730; Aug. 2.
Hashing machine. O. C. Schmidt and A. G. Klawitter. 1,637,965; Aug. 2.
Headlights, Glare shield for. M. P. Cullinan. 1,637,895; Aug. 2.
Heat-insulating unit. H. W. O'Dowd. 1,637,497; Aug. 2.
Heater: *See*—
Automatic heater. Orchard heater.
Heater. P. H. Hamilton. Des. 73,175; Aug. 2.
Heater and drier. O. A. Knopp. 1,637,488; Aug. 2.
Heating apparatus, Control device for E. P. Bogan. 1,637,369; Aug. 2.
Heating structure, Electric. T. C. Russell. 1,637,891; Aug. 2.
Heating system. J. Holan. 1,637,341; Aug. 2.
Heel, Rubber. E. G. Bloser. 1,637,975; Aug. 2.
Heels, Mold for combination. L. B. Conant. 1,637,441; Aug. 2.
Helmet. K. Fitzpatrick and R. T. Mullins. 1,637,692; Aug. 2.
Hinge, Friction. R. C. Hilton. 1,637,642; Aug. 2.
Hog ringer. C. E. Schweser. 1,637,878; Aug. 2.
Hoist, Power. R. A. Fontaine. 1,637,338; Aug. 2.
Hold over. T. C. Whitehead. 1,637,843; Aug. 2.
Holder for tubes of tooth paste, shaving cream, and the like. E. E. Sturk. 1,637,883; Aug. 2.
Horn, Amplifying. F. Cirelli. 1,637,438; Aug. 2.
Hose supporter. S. Kurzer. 1,637,948; Aug. 2.
Humidifier. J. W. Galloway. 1,637,693; Aug. 2.
Hydrocarbon and similar fuel, Burner for. R. E. Goldsbrough. 1,637,695; Aug. 2.
Ice-box construction. R. G. Marsh. 1,637,494; Aug. 2.
Ice-can dump. N. H. Gay. 1,637,901; Aug. 2.
Ice cream, Edible container for. J. Denaro. 1,637,556; Aug. 2.
Ice creeper. E. Ferad. 1,637,691; Aug. 2.
Index. J. H. Rand. 1,637,535; Aug. 2.
Index, Card. R. C. Davis. 1,637,856; Aug. 2.
Index device. J. H. Rand. 1,637,536; Aug. 2.
Indicator: *See*—
Pressure indicator.
Indophenol compounds, Producing. W. A. Mauss. 1,637,868; Aug. 2.
Inductance. S. Kupa. 1,637,649; Aug. 2.
Ink-distributing roller. A. J. Daane. 1,637,807; Aug. 2.
Inner tubes, Curing device for. E. W. Bierman. 1,637,467; Aug. 2.
Insect-exterminating machine. V. N. Delgado. 1,637,477; Aug. 2.
Instrument panel. T. C. Dingman. Des. 73,163; Aug. 2.
Insulating material. H. Brown. 1,637,547; Aug. 2.
Insulator. C. Aalborg. 1,637,329; Aug. 2.
Insulator. C. L. Fortescue. 1,637,374; Aug. 2.
Interfolding machine. P. J. Christman, jr. 1,637,550; Aug. 2.
Interment mat. J. M. Stern and E. M. Elder. 1,637,839; Aug. 2.
Internal-combustion engine. J. J. Grégoire. 1,637,746; Aug. 2.

Internal-combustion engine. F. M. Newson. 1,637,958; Aug. 2.
Ironing table. J. E. Kalgren. 1,637,526; Aug. 2.
Jack: *See*—
Cobbler's jack.
Jar mechanism, Rotary hydraulic. W. B. Wigle. 1,637,505; Aug. 2.
Jars and the like, Opener and closer for. C. V. Hatzfeld. 1,637,638; Aug. 2.
Jewelry clasp. S. Lauterbach. 1,637,609; Aug. 2.
Joint: *See*—
Rail joint. Tool joint.
Joint for casing sections and making the joint. O. W. Kilham. 1,637,750; Aug. 2.
Knife, Calender. K. Oyler. 1,637,784; Aug. 2.
Knitting machines, Stop motion for. W. L. Smith, jr. 1,637,662; Aug. 2.
Knob or similar article. H. J. Kasch. Des. 73,182; Aug. 2.
Knob or the like. H. J. Kasch. Des. 73,183; Aug. 2.
Lace. A. E. Newton. Des. 78,191; Aug. 2.
Lace center motif. F. Truman. Des. 73,213; Aug. 2.
Lace insertion and making the same, Machine-braided. E. Türck. 1,637,716; Aug. 2.
Lamp. R. Beardsley. Des. 73,157; Aug. 2.
Lamp and bracket therefor. J. Galamb. 1,637,375; Aug. 2.
Lamp, Automobile. S. Di Stefano. Des. 73,164; Aug. 2.
Lamp bracket. M. Rothbart. Des. 73,202–8; Aug. 2.
Lamp, Glareless. J. M. Stewart. 1,637,429; Aug. 2.
Lamp post. G. W. Reynolds. Des. 73,199; Aug. 2.
Lamp shade. L. Gold. Des. 73,171–2; Aug. 2.
Lamp-shade holder. T. Dahl. 1,637,739; Aug. 2.
Lamp structure, Incandescent-. J. J. Rekar. 1,637,786; Aug. 2.
Lamp, Vehicle tail. A. W. Jaeger. Des. 73,181; Aug. 2.
Lantern, Projecting. F. W. Schmidt. 1,637,788; Aug. 2.
Lantern roof. R. S. Bardwell. Des. 73,155; Aug. 2.
Latch, Door. G. A. Westfield. 1,637,306; Aug. 2.
Latch, Railway-door. J. O. Neikirk. 1,637,911; Aug. 2.
Lath, Coated metal. W. C. Coryell. 1,637,410; Aug. 2.
Lathe, Automatic. J. J. Thacher. 1,637,792; Aug. 2.
Laundry washing machine and hydro-extractor, Combined. A. Dimatos and G. D. Michal. 1,637,930; Aug. 2.
Lawn mower. C. Christensen. 1,637,603; Aug. 2.
Leer, Continuous. E. E. Slick. 1,637,714; Aug. 2.
Life-saving device for children. E. Karikas. 1,637,574; Aug. 2.
Lifter: *See*—
Battery-terminal lifter.
Lighting-fixture bracket. R. S. Bardwell. Des. 73,156; Aug. 2.
Lighting-fixture bracket or article of similar nature. T. J. Petersen. 73,195; Aug. 2.
Lighting fixtures or similar articles, Shield for. J. A. Boehringer. 73,158–60; Aug. 2.
Liquid-fuel burner. R. L. Foster. 1,637,900; Aug. 2.
Liquid-fuel burners, Safety control mechanism for. W. W. Williams. 1,637,670; Aug. 2.
Liquids, Concentrator for. W. Vogelbusch. 1,637,431; Aug. 2.
Locomotive. O. Margetson and P. G. Robinson. 1,637,952; Aug. 2.
Locomotives, Danger-signal attachment for. O. Roesler. 1,637,835; Aug. 2.
Lock: *See*—
Automobile lock. Cylinder lock.
Loom harness. J. Kaufmann. 1,637,380; Aug. 2.
Loom harness support. L. Andrews. 1,637,796; Aug. 2.
Lubricant-transporting receptacle. M. D. Corley. 1,637,635; Aug. 2.
Lubricating apparatus. C. Lea. 1,637,908; Aug. 2.
Lubricating apparatus. C. W. Manzel. 1,637,869; Aug. 2.
Lubricating apparatus. S. K. Wellman and A. A. Gould. 1,637,841; Aug. 2.
Luggage carrier and bumper, Combined automobile. F. J. Laher. 1,637,752; Aug. 2.
Luggage carrier, Automobile. F. J. Laher. 1,637,751; Aug. 2.
Macaroni machine. G. Merlonetti. 1,638,000; Aug. 2.
Machinery of high-speed suspension, Arrangement for changing the. F. Kruckenberg and F. Gentzcke. 1,637,776; Aug. 2.
Machines, Nut-facing attachment for automatic. E. H. Wheeler. 1,637,718; Aug. 2.
Manifold heat retainer. C. W. Dimond. 1,637,768; Aug. 2.
Marble, Making imitation. K. R. Knofe. 1,637,946; Aug. 2.
Mat: *See*—
Interment mat.
Material-handling apparatus. C. J. Klein. 1,637,420; Aug. 2.
Measuring device, Curvature-. L. W. Bugbee, jr. 1,637,408; Aug. 2.
Measuring instrument, Electrical. R. T. Pierce. 1,637,590; Aug. 2.
Measuring linear dimensions, Apparatus for. J. Simpson and J. Glen. 1,637,921; Aug. 2.
Measuring the forces arising during turning on lathes and the like, Device for. O. von Bohuszewicz and W. Wilk. 1,637,676; Aug. 2.
Memorandum device. E. B. Angell. 1,637,672; Aug. 2.
Mercury, Producing. W. Glaeser. 1,637,481; Aug. 2.
Metal, Producing welding. A. Lucas. 1,637,619; Aug. 2.
Metal vessels, Hollow handle for. L. A. Brown. 1,637,853; Aug. 2.
Metal-working machinery, Feeding mechanism for. A. M. Sosa. 1,637,909; Aug. 2.
Meter: *See*—
Flow meter. Volt-ampere-hour meter.
Pressure meter.
Mica condenser, Variable. A. W. Franklin. 1,637,445; Aug. 2.
Microscope, Binocular. C. L. Gary. 1,637,563; Aug. 2.
Microscopes, Vertical illuminator for. H. G. Ott. 1,637,348; Aug. 2.
Milk from milk powder, Apparatus for preparing liquid. 1,637,415; Aug. 2.
Mineral feed and preparing the same. V. R. Rupp. 1,637,428; Aug. 2.
Mineral-oil derivative and making same. G. Alleman. 1,637,510; Aug. 2.
Mining and loading machine. E. C. Morgan. 1,637,783; Aug. 2.
Mining machine. E. C. Morgan. 1,637,531; Aug. 2.
Mold. C. E. Johnson. 1,637,613; Aug. 2.
Mold for forming containers. W. H. Oliver and E. S. Culver. 1,637,532; Aug. 2.
Molded panel and making same. F. H. Tupper. 1,637,362; Aug. 2.
Molding apparatus, Tubular-. E. W. Bierman. 1,637,465; Aug. 2.
Money holder. C. Gross. 1,637,936; Aug. 2.
Mop. H. M. Sturgis. 1,637,595; Aug. 2.
Mortising machine. J. C. Bianca, jr. 1,637,464; Aug. 2.
Motor control system, Single-phase induction-. W. Weller. 1,637,886; Aug. 2.
Motor: *See*—
Electric motor. Pressure motor.
Motor sets, Double-range variable-speed induction-. E. B. Shand. 1,637,393; Aug. 2.
Motor system, Reciprocating. C. S. Weyandt. 1,637,717; Aug. 2.
Motors, Controlling reciprocating. C. S. Weyandt. 1,637,401; Aug. 2.
Motors, Protective system for. W. H. Smith. 1,637,356; Aug. 2.
Mud gun. E. E. Brosius. 1,637,405; Aug. 2.
Muffler. M. R. Brilliant. 1,637,516; Aug. 2.
Muffler cut-out. H. R. Butler. 1,637,761; Aug. 2.
Nail-expansion anchor. C. H. Klein. 1,637,419; Aug. 2.
Nest, Multiple hens'. J. W. Myers. 1,637,346; Aug. 2.
Nitrocellulose material, Recovery of values from. C. Ellis and H. M. Weber. 1,637,990; Aug. 2.
Nozzle, Mixing. O. Jacobsen. 1,637,697; Aug. 2.
Nut apparatus, Locked-. C. A. Godshalk. 1,637,995; Aug. 2.
Nut-locking device. K. Mackenzie. 1,637,620; Aug. 2.
Oil burner, Automatic. F. J. Evans and H. C. Hansen. 1,637,898; Aug. 2.
Oil burner, Automatic. T. M. Lambeth. 1,637,576; Aug. 2.
Oil from evaporating systems, Removing. T. Shipley. 1,637,920; Aug. 2.
Oil press with disintegrating means. H. Zander. 1,637,671; Aug. 2.
Optical projecting machines, Foldable supporting stand for. H. Newman. 1,637,705; Aug. 2.
Orchard heater. J. C. Beckley. 1,627,983; Aug. 2.
Ores, Treating. F. M. Simonds. 1,637,838; Aug. 2.
Ores, Treating aluminous. R. Moldenke. 1,637,451; Aug. 2.
Organic compounds, Production of. K. F. Schmidt and P. Zutavern. 1,637,661; Aug. 2.
Oven, Baking. F. Kühtz. 1,637,618; Aug. 2.
Oven, Baking. C. H. Riches and C. W. Aird. 1,637,427; Aug. 2.
Oven, Electric. T. G. Brown. 1,637,435; Aug. 2.
Oven, Thermoelectric. S. Sacerdote. 1,637,659; Aug. 2.
Package and making the same. W. B. Bronander and J. W. Leary. 1,637,802; Aug. 2.
Packaging material, Method of and apparatus for. A. M. Bates. 1,637,891; Aug. 2.
Pallet. C. B. Cushwa. 1,637,411; Aug. 2.
Paper carton. W. C. Schilling. Des. 73,209; Aug. 2.
Paper-fastening device. S. Svenson. 1,637,357; Aug. 2.
Paper web, Apparatus for feeding and registering a. W. Rose. 1,637,658; Aug. 2.
Papers, Fastening device for. M. A. Miller. 1,637,832; Aug. 2.
Parasol and umbrella handles, Attachment for. A. Berkowitz. 1,637,484; Aug. 2.
Paving block, Rubber-compound. R. F. Herrick. 1,637,567; Aug. 2.
Paving construction. R. B. Gage. 1,637,480; Aug. 2.
Pellet-forming apparatus. A. Heicke. 1,637,377; Aug. 2.
Pencil bodies and the like, Making. J. P. Lynn. 1,638,002; Aug. 2.
Pencil, Mechanical. J. C. Wahl. 1,637,363; Aug. 2.
Pendant. F. Whitaker. Des. 73,216; Aug. 2.
Phonograph record. J. W. Bishop. 1,637,544; Aug. 2.
Phonograph records, Production of. C. A. Hoxie. 1,637,903; Aug. 2.
Photographic objectives, Lens attachment for. R. Richter. 1,637,917; Aug. 2.
Picture frame. E. H. Roberts. 1,637,589; Aug. 2.
Picture hanger. D. C. Baldwin. 1,637,981; Aug. 2.
Picture mechanism, Motion-. A. S. Howell. 1,637,378; Aug. 2.

Picture-projecting machines, Automatic safety shutter and motor control for. C. F. Harrison. 1,637,749; Aug. 2.
Pile-head protector. W. W. Wannamaker, jr. 1,637,627; Aug. 2.
Pipe coupling. S. Levitt. 1,637,701; Aug. 2.
Pipe support. M. Rachlin. Des. 73,198; Aug. 2.
Piston. A. G. Dunbar. 1,637,987; Aug. 2.
Piston and connecting-rod construction. C. A. Comstock. 1,637,765; Aug. 2.
Piston rings, Method and apparatus for testing. H. S. Graves. 1,637,482; Aug. 2.
Pitman boxing. H. L. Hunt. 1,637,904; Aug. 2.
Planter. E. Arnold. 1,637,980; Aug. 2.
Planter, Seed. M. V. Oliver. 1,637,834; Aug. 2.
Plastic blocks, Apparatus for molding. A. Martindale. 1,637,495; Aug. 2.
Plastic materials and to apparatus therefor, Manufacture of. F. T. Small and W. A. Dickie. 1,637,715; Aug. 2.
Plate or similar article. W. De Ville. Des. 73,162; Aug. 2.
Plate or similar article. U. Hagmann. Des. 73,174; Aug. 2.
Plow, Tractor. T. Huston. 1,637,525; Aug. 2.
Plows, Stalk-cutting attachment for. J. L. Amargós. 1,637,926; Aug. 2.
Pontoon, Sectional. A. E. Cook. 1,637,336; Aug. 2.
Pool, Swimming. P. C. Miller. 1,637,423; Aug. 2.
Portable rack. R. T. Romine. 1,637,960; Aug. 2.
Post: *See*—
Fence post.
Postal franking machine. E. H. Kinnard. 1,637,647; Aug. 2.
Potato-peeling machine. W. Mannsdorff. 1,637,830; Aug. 2.
Power, Mechanical means for transmitting. R. J. Reaney. 1,637,352; Aug. 2.
Power roller. H. W. Guttridge. 1,637,996; Aug. 2.
Power-transmission pulley. G. J. Abbott. 1,637,402; Aug. 2.
Press: *See*—
Garment press.
Pressing-machine control. P. N. Braun. 1,637,729; Aug. 2.
Pressure indicator. E. W. Lipschutz. 1,637,421; Aug. 2.
Pressure meter. T. K. A. Nordensson. 1,637,653; Aug. 2.
Pressure motor, Rotary fluid. M. P. Holmes. 1,637 568; Aug. 2.
Pressure regulator. T. Coles. 1,637,764; Aug. 2.
Primary battery. G. S. Engle. 1,637,901; Aug. 2.
Prime movers, Control of. E. Crewdson. 1,637,636; Aug. 2.
Printing plates, Apparatus for curving. A. Halstead, jr. 1,637,747; Aug. 2.
Printing press, Three-color intaglio rotary. C. Schünemann. 1,637,713; Aug. 2.
Printing presses, Driving mechanism for. H. M. Barber. 1,637,848; Aug. 2.
Printing presses, Plate-clamping mechanism for. W. Evensen. 1,637,690; Aug. 2.
Processing machine. J. L. Coyle. 1,637,686; Aug. 2.
Projector lights, Relieving the glare from. H. A. Radford 1,637,622; Aug. 2.
Protector. J. T. Turner. 1,637,974; Aug. 2.
Protractor. C. B. Galvin. 1,637,933; Aug. 2.
Pulley, Fan-belt. H. B. Hull. 1,637,773; Aug. 2.
Pump. J. S. Hunter. 1,637,942; Aug. 2.
Pump construction. H. M. Boe. 1,637,727; Aug. 2.
Pump, Liquid. H. Wallace. 1,637,669; Aug. 2.
Pump, Vacuum. C. H. Hapgood. 1,637,484; Aug. 2.
Pumping power, Duplex oil-well. H. H. Ice. 1,637,571; Aug. 2.
Putting apparatus. W. C. Brumder. 1,637,407; Aug. 2.
Puzzle. D. L. Chandler. 1,637,602; Aug. 2.
Rack: *See*—
Display rack. Portable rack.
Racket for tennis and similar games. H. W. Norton. 1,637,583; Aug. 2.
Radiocabinet. W. T. Lewis. Des. 73,186; Aug. 2.
Radiocompass. F. A. Kolster. 1,637,615; Aug. 2.
Radio loud speaker. J. Kersten. Des. 73,184; Aug. 2.
Radio loud speaker, Cabinet for a. C. A. Lippi. Des. 73,188; Aug. 2.
Radio tuning device. H. F. Venzke. 1,637,923; Aug. 2.
Rail joint. F. C. Kronauer. 1,637,449; Aug. 2.
Range, Combination. H. Lange. 1,637,950; Aug. 2.
Receptacle-supporting means. W. C. Coleman. 1,637,553; Aug. 2.
Recorder: *See*—
Electric musical recorder.
Recording instrument. W. C. Brandenburg. 1,637,852; Aug. 2.
Rectifiers and electrolytic condensers, Electrode for. E. F. Andrews. 1,637,795; Aug. 2.
Reel: *See*—
Antenna reel. Fishing reel.
Reels, Click check for. P. Catucci 1,637,334; Aug. 2.
Refrigerator, Window. J. C. Sparrow. 1,637,460; Aug. 2.
Registering device. I. S. Dement. 1,637,606; Aug. 2.
Regulator: *See*—
Pressure regulator.
Residual liquors, Treatment of. L. Bradley and E. P. McKeefe. 1,637,515; Aug. 2.
Resinous condensation product from dihydroxydiphenylethane and reactive methylene bodies and making same. L. H. Backeland. 1,637,512; Aug. 2.
Riddle. E. Bourke. 1,637,728; Aug. 2.
Road roller and scarifier. G. C. Abbe and R. C. Williamson. 1,637,720; Aug. 2.
Road structures, Maturing and stabilizing. S. E. Finley. 1,637,993; Aug. 2.
Robe rail and handle, Combination. G. L. Hinman and F. E. Greene. Des. 73,177; Aug. 2.
Rocking-horse. W. H. Sherrod. 1,637,500; Aug. 2.
Rocking-horse, Child's. C. Hofmann. 1,637,643; Aug. 2.
Rod: *See*—
Connecting rod.
Roller: *See*—
Hand roller. Power roller.
Ink-distributing roller.
Roller-bearing free wheel. W. C. Klein. 1,637,906; Aug. 2.
Roller-shade bracket. E. R. Clegg. 1,637,763; Aug. 2.
Roof support for underground chambers. J. S. Pates. 1,637,586; Aug. 2.
Rotary drier. C. Miller. 1,637,831; Aug. 2.
Rotary members, Locking means for. J. H. Harriman. 1,637,524; Aug. 2.
Rubber, Vulcanising. J. Teppema. 1,637,790–1; Aug. 2.
Running board. M. W. Huber. 1,637,570; Aug. 2.
Saddle panel. F. Eassie. 1,637,810; Aug. 2.
Safe. C. F. Kloss. 1,637,381; Aug. 2.
Safe, Match. J. E. Neahr. 1,637,496; Aug. 2.
Sand cleaning and classifying device. E. Shaw. 1,637,625; Aug. 2.
Sander, Pneumatic. T. S. Gilmore. 1,637,609; Aug. 2.
Sash construction. J. F. Levan. 1,637,865; Aug. 2.
Sash fastener. F. J. Hart and D. W. McGee. 1,637,937; Aug. 2.
Saw machines, Hand feed for drag-. V. J. Kosiancic. 1,637,616; Aug. 2.
Sawmill dog. R. E. Langill and W. B. Grueter. 1,637,90-, Aug. 2.
Sawmill dog. R. E. Langill and W. B. Grueter. 1,637,907; Aug. 2.
Screen inclosure. W. G. Chryst. 1,637,335; Aug. 2
Seat. A. F. Masury. 1,637,780; Aug. 2.
Separator. M. H. Kotzebue. 1,637,947; Aug. 2.
Sewer cleaner, Rotary. T. Peltola. 1,637,914; Aug. 2.
Sewing machines, Work feed for. W. H. Fisher. 1,637,373; Aug. 2.
Shade and curtain support. L. Piesce. 1,637,755; Aug. 2.
Shaft coupling. W. Stoeckicht. 1,637,663; Aug. 2.
Shank and socket fastening device. G. H. Elwell. 1,637,521; Aug. 2.
Sharpener, Pencil. G. E. Bartol, jr. 1,637,849; Aug. 2.
Shears, Making. W. A. Isbell and H. H. Canfield. 1,637,572; Aug. 2.
Shears, Spring-opened clipping. W. M. Eggers and G. Mahr, jr. 1,637,607; Aug. 2.
Sheet-feeding machine. F. L. Cross. 1,637,555; Aug. 2.
Sheet-metal articles, Producing certain. T. E. Murray, jr. Re16,691; Aug. 2.
Shellac-viscosity tester. J. R. McClain. 1,637,386; Aug. 2.
Shingle covering. J. H. Graham. 1,637,522; Aug. 2.
Ship's hull. P. Bonnemaison. 1,637,677; Aug. 2.
Shoe. M. Hilgert. 1,637,447; Aug. 2.
Shoe and making same. S. A. Eddins. 1,637,897; Aug. 2.
Shoe, Physical-development. A. L. Gordon. 1,637,565; Aug. 2.
Shoe stretcher. A. J. Quist and B. A. Mellander. 1,637,915; Aug. 2.
Shoe-upper support. S. A. Eddins. 1,637,896; Aug. 2.
Shoes, Shank stiffener for. J. F. Jonas. 1,637,943; Aug. 2.
Shovel: *See*—
Steam shovel.
Shutters, Safety catch for. C. Bornmann. 1,637,513; Aug. 2.
Shuttle-tension device. A. Templeton. 1,637,359; Aug. 2.
Side frame. D. S. Barrows. 1,637,724; Aug. 2.
Side frame. C. Hankins. 1,637,696; Aug. 2.
Sign. P. D. Egan. 1,637,988; Aug. 2.
Sign. L. R. Long. 1,637,579; Aug. 2.
Sign. W. H. Smith. 1,637,626; Aug. 2.
Signal arm. A. Sesto and J. Loiacono. Des. 73,210; Aug. 2.
Signalling apparatus for road traffic. A. Cléret. 1,637,684; Aug. 2.
Signaling device. W. T. Marcott. 1,637,779; Aug. 2.
Signaling system. R. Bown. 1,637,404; Aug. 2.
Silencer. H. P. Maxim. 1,637,385; Aug. 2.
Sleds, Wheel attachment for. P. Killinger. 1,637,999; Aug. 2.
Smoker's article. G. Bessemer. 1,637,984; Aug. 2.
Snap link. O. C. Hill. 1,637,860; Aug. 2.
Soap dispenser. M. W. Levernier. Des. 73,185; Aug. 2.
Socket casing. A. C. Recker. 1,637,874; Aug. 2.
Sole-pressing machine. R. B. Woodcock. 1,637,506; Aug. 2.
Soot blower. F. Bowers. 1,637,546; Aug. 2.
Spreader. H. Bussey. 1,637,601; Aug. 2.
Steam boiler. C. J. Carlson and O. M. Elton. 1,637,929; Aug. 2.

Steam chambers, Drainage of. C. H. Atkins. 1,637,327; Aug. 2.
Steam generator. T. Clarkson. 1,637,682; Aug. 2.
Steam shovel. J. P. Endersby. 1,637,689; Aug. 2.
Stencil machine and stencil therefor. H. P. Elliott. 1,637,443; Aug. 2.
Stereotype-plate mechanism. A. A. Henzi. 1,637,641; Aug. 2.
Stoker, Locomotive. N. M. Lower. 1,637,491; Aug. 2.
Stone, Curling. P. McLeod. 1,637,754; Aug. 2.
Storage-battery plates, Machine for coating, Electric. W. H. Nordhaus. 1,637,426; Aug. 2.
Stove and valve therefor, Closed gas. F. G. Nicolaus. 1,637,870; Aug. 2.
Stove, Heating. W. C. Coleman. 1,637,554; Aug. 2.
Stringed instrument. A. Franic. 1,637,559; Aug. 2.
Stucco bases, Joint for. C. N. Forrest. 1,637,994; Aug. 2.
Stuffing-box vent. R. C. Enyart. 1,637,371; Aug. 2.
Sulphite cooking liquor, Making. G. A. Richter. 1,637,353; Aug. 2.
Superheating element. C. A. Mestre and E. E. H. Duchatel. 1,637,651; Aug. 2.
Supporter. H. M. Pfaltzgraff. 1,637,706; Aug. 2.
Surface condenser and method. F. M. Doyle. 1,637,558; Aug. 2.
Surgical dressing and making it. W. R. Dorman. 1,637,857; Aug. 2.
Suspension and transmission, Combined resilient. B. F. Seymour. 1,637,392; Aug. 2.
Switch: *See*—
Electrical switch.
Switch handle. A. H. Nero. 1,637,913; Aug. 2.
Swiveling chair. A. J. Adams. 1,637,846; Aug. 2.
Table: *See*—
Ironing table.
Tank cars, Device for testing safety valves on. W. H. Fine. 1,637,748; Aug. 2.
Tapers, Instrument for gauging internal. B. M. Swanson. 1,637,757; Aug. 2.
Telephone system. H. H. Abbott. 1,637,403; Aug. 2.
Telephone transmitter and receiver. A. F. Sykes. 1,637,397; Aug. 2.
Temperature, Maintaining a predetermined. C. A. Stickney and A. B. Stickney. 1,637,756; Aug. 2.
Tension device. M. B. Grout. 1,637,483; Aug. 2.
Testing apparatus. J. H. Moriarty. 1,637,956; Aug. 2.
Textile machinery, Steam tube and piping for. O. F. McEnaney. 1,637,387; Aug. 2.
Thermocouple. O. Hermann. 1,637,822; Aug. 2.
Thermometer. W. M. Chace. 1,637,805; Aug. 2.
Thermometer, Clinical. C. E. Bredt. 1,637,760; Aug. 2.
Tie down, Two-part. E. S. Evans. 1,637,992; Aug. 2.
Tie spacer. F. H. Schwerin. 1,637,459; Aug. 2.
Tie straightener. F. R. Van Houten. 1,637,390; Aug. 2.
Tile wall or floor. C. A. Lowry and F. H. Abel. 1,637,580; Aug. 2.
Tire. F. D. Fowler. Des. 73,168; Aug. 2.
Tire and rim. J. C. Ballew. 1,637,599; Aug. 2.
Tire machines, Knife bracket for. D. L. Williams. 1,637,794; Aug. 2.
Tire mounting and dismounting device. H. G. Giles. 1,637,815; Aug. 2.
Tire structure. A. M. Lane. 1,637,753; Aug. 2.
Tire tread. W. S. Galvin. Des. 73,169; Aug. 2.
Tire tread, Pneumatic-. P. Graham. Des. 73,173; Aug. 2.
Tobacco, Device for feeding scrap. W. B. Bronander. 1,637,800; Aug. 2.
Tobacco-stemming mechanism. W. B. Bronander. 1,637,801; Aug. 2.
Tongs. J. A. Nelson. 1,637,388; Aug. 2.
Tool, Boller. H. A. Lacerda. 1,637,940; Aug. 2.
Tool holder. C. F. Randolph and N. Marcalus. 1,637,785; Aug. 2.
Tool joint. E. C. Weisgerber. 1,637,628; Aug. 2.
Towel or the like. B. V. Flannery. Des. 73,167; Aug. 2.
Toy apparatus, Musical-instruction. M. Downs. 1,637,478; Aug. 2.
Toy, Electric. H. C. Evelyn. 1,637,479; Aug. 2.
Toy striking bag or the like. H. G. French. 1,637,561; Aug. 2.
Tractor coupling device. G. W. Stone. 1,637,665; Aug. 2.
Trailers, Steering gear for. F. M. Reid. 1,637,456; Aug. 2.
Transmission mechanism, Selective. B. F. Schmidt. 1,637,593; Aug. 2.
Tray, Smoker's. C. E. Anderson. 1,637,978; Aug. 2.
Truck, Hand. W. Henricks. 1,637,640; Aug. 2.
Truck structure. H. A. Houston. 1,637,342; Aug. 2.
Tube-splicing method. E. W. Bierman. 1,637,466; Aug. 2.
Tube with an unlosable cap, Collapsible. G. E. Baker. 1,637,890; Aug. 2.
Turbo blower. C. W. Dake. 1,637,474; Aug. 2.
Tubular dispenser. F. McLaughlin. 1,637,955; Aug. 2.
Typewriters, Copyholder for. G. E. Marlatt. 1,637,384; Aug. 2.
Utensil, Baking. B. R. Kralik. 1,637,617; Aug. 2.
Utensil, Culinary. M. A. Hilgers. 1,637,859; Aug. 2.
Valve, Breather. J. Kuhl. 1,637,489; Aug. 2.
Valve circuits, Thermionic. P. W. Willans. 1,637,977; Aug. 2.
Valve circuits, Thermionic. P. W. Willans. 1,637,924; Aug. 2.
Valve, Compression. F. J. Heideman. 1,637,821; Aug. 2.
Valve, Flush. R. Klann. 1,637,825; Aug. 2.
Valve, Flush-tank. J. C. Ryan. 1,637,592; Aug. 2.
Valve, Gate. R. Conrader. 1,637,736; Aug. 2.
Valve-operating means for fluid meters, Variable. C. J. Bassler. 1,637,850; Aug. 2.
Valve, Temporary tire-tube. G. W. Rundlett. 1,637,499; Aug. 2.
Vapor-utilizing device. I. J. Hunter. 1,637,941; Aug. 2.
Vault or casket, Safety burial. J. Q. Clarke. 1,637,471; Aug. 2.
Vehicle brakes, Relay mechanism for. F. G. Parnell. 1,637,349; Aug. 2.
Vehicle construction and suspension. B. F. Seymour. 1,637,355; Aug. 2.
Vehicle fender. W. F. Brown. 1,637,632; Aug. 2.
Vehicle signal device. N. W. Matthews. 1,637,702; Aug. 2.
Vehicle wheel. P. A. White. 1,637,504; Aug. 2.
Vehicles, Direction signal for motor. F. F. Gentsch. 1,637,744; Aug. 2.
Vehicles, Removable closure for. I. P. Ferguson. 1,637,812; Aug. 2.
Vehicles, Traction driving means for. H. E. Pearson. 1,637,533; Aug. 2.
Vending apparatus, Mixed-beverage-. W. C. De Armond and W. R. H. Watt. 1,637,808; Aug. 2.
Vending machine, Sanitary straw-. W. H. Delano. 1,637,767; Aug. 2.
Veneer drier. F. Kershaw. 1,637,945; Aug. 2.
Visor, Automobile. H. E. West. 1,637,842; Aug. 2.
Volt-ampere-hour meter. G. A. Cheetham. 1,637,370; Aug. 2.
Voltage regulation of exciters. R. M. Wilson. 1,637,887; Aug. 2.
Vulcanizer. P. F. M. A. Fontana. 1,637,931; Aug. 2.
Vulcanizer, Tire-repair. C. M. Semler. 1,637,879; Aug. 2.
Wagon, Coaster. W. R. Kohler. 1,637,614; Aug. 2.
Wall and constructing the same. J. Riegel. 1,637,657; Aug. 2.
Wall clock. J. H. Page. Des. 73,193; Aug. 2.
Walls, Finishing metal. M. C. Van der Kamp. 1,637,793; Aug. 2.
Washing machines, Brush attachment for. M. Iseman. 1,637,418; Aug. 2.
Waste connections and the like, Spud for. K. A. Wernlé. 1,637,365; Aug. 2.
Watch cases, Making. H. Cook. 1,637,337; Aug. 2.
Water-cooling systems, Heater for automobile. E. A. Turner 1,637,596; Aug. 2.
Water fountain, Hog. M. J. Hosch. 1,637,940; Aug. 2.
Water-heating apparatus. F. W. Shuell. 1,637,395; Aug. 2.
Water waver, Marcel. A. J. Greenwich. 1,637,816; Aug. 2.
Watering areas of land, Apparatus for. D. Elder. 1,637,413; Aug. 2.
Waving hair, Method of and apparatus for. M. Clemence. 1,637,605; Aug. 2.
Wax emulsion. L. Davis and E. W. Bennett. 1,637,475; Aug. 2.
Wedge. T. L. E. Haug. 1,637,771; Aug. 2.
Weeder. J. H. Imus. 1,637,862; Aug. 2.
Welding machine, Tube-. D. W. Chisholm. 1,637,679; Aug. 2.
Wells, Method of and apparatus for pumping. I. B. Winsor. 1,637,629; Aug. 2.
Wheel: *See*—
Roller-bearing free wheel. Vehicle wheel.
Wheel. L. E. La Brie. 1,637,527; Aug. 2.
Wheel-machining apparatus. F. M. A'Hearn and E. F. Richardson. 1,637,330; Aug. 2.
Wheels, Clamping means for extra tread rims of tractor. E. H. Sanders. 1,637,876; Aug. 2.
Wheels, Double nut for dual. J. P. Tarbox. 1,637,666; Aug. 2.
Wheels, Manufacture and truing of built-up. G. McKenzie. 1,637,345; Aug. 2.
Wheels, Rim for automobile. C. L. Stewart. 1,637,880; Aug. 2.
Window-closing device, Electric. F. Dzierzenga. 1,637,740; Aug. 2.
Window fastener. W. E. Morrison. 1,637,910; Aug. 2.
Window frame and sash construction. H. E. Campbell. 1,637,731–3; Aug. 2.
Window or windshield cleaner. J. S. Prowense. Re16,692; Aug. 2.
Window-pane fastener. F. S. Osborn. 1,637,959; Aug. 2.
Window-sash construction. R. T. Axe. 1,637,723; Aug. 2.
Windows, Combined shade roller and holding means for. D. A. Batts. 1,637,798; Aug. 2.
Wire-cutting machine. J. F. Hidzick. 1,637,824; Aug. 2.
Wire stretcher. E. L. Peltz. 1,637,587; Aug. 2.
Wrench. N. H. Robinson. 1,637,590; Aug. 2.
Wrench. I. W. Litchfield. 1,637,778; Aug. 2.
Wringer: *See*—
Clothes wringer.
Wringer. A. W. Altorfer. 1,637,630; Aug. 2.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 2, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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205: 1,637,371
234— 5.5: 1,637,852
235— 1: 1,637,827
91: 1,637,606
236— 1: 1,637,756
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237— 12.3: 1,637,341
238— 19: 1,637,844

238— 259: 1,637,449
240— 6.4: 1,637,650
44: 1,637,417
48.2: 1,637,429
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78: 1,637,786
133: 1,637,739
242— 9: 1,637,354
71: 1,637,414
80: 1,637,700
84.4: 1,637,437
84.6: 1,637,334
156: 1,637,483
244— 1: 1,637,789
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29: 1,637,872
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246— 200: 1,637,835
450: 1,637,919
248— 29: 1,637,523

250— 11: 1,637,615
27.5: 1,637,864
251— 57: 1,637,736
125: 1,637,761
216: 1,637,681
252— 1: 1,637,990
254— 43: 1,637,459
81: 1,637,587
150: 1,637,818
255— 27: 1,637,505
71: 1,637,394
257— 28: 1,637,558
205: 1,637,889
216: 1,637,680
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260— 4: 1,637,512
31: 1,637,851
44: 1,637,661
55: 1,637,868
166: 1,637,972
261— 91: 1,637,975
92: 1,637,516
112: 1,637,597
114: 1,637,947
262— 5: 1,637,531
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262— 8: 1,637,720
264— 17: 1,637,909
265— 1: 1,637,676
11: 1,637,386
23: 1,637,927
47: 1,637,743
266— 25: 1,637,350
42: 1,637,405
270— 39: 1,637,550
271— 1: 1,637,560
2.3: 1,637,892
2.6: 1,637,658
38: 1,637,555
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272— 53: 1,637,500
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70: 1,637,565
77: 1,637,561
79: 1,638,003
273— 33: 1,637,537
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35: 1,637,339
36: 1,637,407
73: 1,637,583
77: 1,637,735
108: 1,637,754
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273— 132: 1,637,602
136: 1,637,922
151: 1,637,344
274— 42: 1,637,544
279— 7: 1,637,436
280— 8: 1,637,999
33.9: 1,637,665
33.10: 1,637,854
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87.5: 1,637,614
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169: 1,637,570
281— 42: 1,637,672
283— 41: 1,637,595
59: 1,637,985
285— 50: 1,637,365
71: 1,637,701
146: 1,637,628
168: 1,637,612
287— 90: 1,637,520
93: 1,637,904
291— 11: 1,637,609
292— 69: 1,637,530
194: 1,637,987
223: 1,637,366
225: 1,637,910
265: 1,637,655

292— 343: 1,637,502
293— 45: 1,637,632
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294— 67: 1,637,960
118: 1,637,288
295— 44: 1,637,906
296— 45: 1,637,367
58: 1,637,631
75: 1,637,588
97: 1,637,842
145: 1,637,812
299— 18: 1,637,413
121: 1,637,982
300— 21: 1,637,689
301— 6: 1,637,527
9: 1,637,666
39: 1,637,876
63: 1,637,504
305— 10: 1,637,777
308— 167: 1,637,773
238: 1,637,966

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Aug. 9, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. S. Uniform Mfg. Co., Inc., Brooklyn, N. Y. Military uniforms. 231,130; Aug. 9. Class 39.

Aarnham, August R., doing business as The Port of New York Publicity Company, New York, N. Y. Magazine. 230,951; Aug. 9; Serial No. 246,993; published May 24, 1927. Class 38.

Abox Company, The, Chicago, Ill. Filters and battery eliminators for use with radio apparatus. 230,990; Aug. 9; Serial No. 241,850; published Apr. 26, 1927. Class 21.

Acme Brick Company, Fort Worth, Tex. Publication. 231,018; Aug. 9; Serial No. 245,948; published May 17, 1927. Class 38.

Advance Neckwear Co., New York, N. Y. Cravats, four-in-hand ties, bow ties, and neckties. 231,083; Aug. 9; Serial No. 245,950; published May 10, 1927. Class 39.

Aerovox Wireless Corporation, Brooklyn, N. Y. Resistances for use to control current in electrical and radio circuits. 230,854; Aug. 9; Serial No. 244,532; published May 3, 1927. Class 21.

Ajay Frame & Bag Company, Brooklyn, N. Y. Hand bags and hand-bag frames. 231,038; Aug. 9; Serial No. 242,977; published May 17, 1927. Class 3.

"AkeruE" Manufacturing Company, The, Cheyenne, Wyo. Nonfreeze compound. 231,048; Aug. 9; Serial No. 243,519; published May 24, 1927; Class 6.

Alexander & Oviatt, Los Angeles, Calif. Suits, trousers, hats, etc. 231,122; Aug. 9. Class 39.

All-Henry Coil Company. (See Roe, V. V.)

Amazon Knitting Company, Muskegon, Mich. Printed rug charts. 230,914; Aug. 9; Serial No. 245,837; published May 24, 1927. Class 38.

American Physical Education Association, Springfield, Mass. Periodicals. 230,941; Aug. 9; Serial No. 247,158; published May 24, 1927. Class 38.

American Retailers Association Inc., New York, N. Y. Blankets made of textile fabrics. 230,978; Aug. 9; Serial No. 229,426; published May 24, 1927. Class 42.

American Stores Company, Philadelphia, Pa. Coffee, celery salt, grape jelly, etc. 230,906; Aug. 9; Serial No. 220,832; published May 10, 1927. Class 46.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Oilcloth. 231,111; Aug. 9, Class 20.

American Writing Paper Company, Incorporated, Holyoke, Mass. Writing and printing paper. 230,948; Aug. 9; Serial No. 247,115; published May 17, 1927. Class 37.

Arcory Manufacturing Company, Kansas City, Mo. Polish. 230,921; Aug. 9; Serial No. 242,942; published May 17, 1927. Class 4.

Art Craft Fixture Co., Newark, N. J. Table lamps and night lamps. 230,900; Aug. 9; Serial No. 244,487; published Apr. 26, 1927. Class 21.

Associated Carpet Company, New York, N. Y. Carpets. 231,108; Aug. 9. Class 42.

Audak Company. (See Weil, Maximilian.)

Bader, David, doing business as Radium Adv. Co. of America, New York, N. Y. Printed advertising signs. 231,004; Aug. 9; Serial No. 209,073; published May 24, 1927. Class 38.

Bankers Printing Company, San Francisco, Calif. Printed forms. 230,993; Aug. 9; Serial No. 240,057; published May 17, 1927. Class 37.

Barnett, Rupert E., Nashville, Tenn. Condensed cultured buttermilk animal food. 231,117; Aug. 9. Class 46.

Batea Thompson, Inc., New York, N. Y. Hats. 231,043; Aug. 9; Serial No. 243,340; published May 3, 1927. Class 39.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 231,079; Aug. 9; Serial No. 245,777; published May 10, 1927. Class 39.

Beardsley & Piper Company, The, Chicago, Ill. Publications. 230,937; Aug. 9; Serial No. 247,246; published May 24, 1927. Class 38.

Belz Art, Incorporated, Washington, D. C. Dresses, hats, caps, scarfs, etc. 230,848; Aug. 9; Serial No. 244,974; published May 3, 1927. Class 39.

Bellmore Manufacturing Company, Gainesville, Ga. Overalls, overall union suits, work shirts, and work pants. 231,054; Aug. 9; Serial No. 244,846; published May 10, 1927. Class 39.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Collars, pyjamas, night robes, etc. 230,863; Aug. 9; Serial No. 206,052; published May 3, 1927. Class 39.

Berger, Isidore S., New York, N. Y. Mounts for X-ray negatives. 230,924; Aug. 9; Serial No. 243,921; published May 17, 1927. Class 37.

Berriman, Nathan E., New York, N. Y. Shirts. 231,124; Aug. 9. Class 39.

Beuckman, William B., Rochester, N. Y. Cleaning fluids. 231,126; Aug. 9. Class 4.

Blood Tone Arm Company, Bay City, Mich. Loud-speaker units. 230,980; Aug. 9; Serial No. 230,011; published May 17, 1927. Class 21.

Boyd-Richardson Company, St. Louis, Mo. Shirts and undershirts, hosiery, etc. 231,057; Aug. 9; Serial No. 244,490; published May 3, 1927. Class 39.

Brief English Systems, Inc., New York, N. Y. Printed lessons and examination sheets. 231,118; Aug. 9. Class 38.

Brody, Max, doing business as Brody Brothers, New York, N. Y. Hosiery, underwear, sweaters, etc. 231,044; Aug. 9; Serial No. 243,342; published May 3, 1927. Class 39.

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 231,031; Aug. 9; Serial No. 242,275; published May 3, 1927. Class 39.

Bruder, Edmund, Chicago, Ill. Radio receiving sets and radio sending sets, transformers, etc. 230,896; Aug. 9; Serial No. 244,600; published May 3, 1927. Class 21.

Brunssen, George, Company, New York, N. Y. Sweatbands for headgear. 230,857; Aug. 9; Serial No. 244,688; published May 3, 1927. Class 39.

Budlong Pickle Co., Chicago, Ill. Pickles, prepared mustard, chowchow. 230,907; Aug. 9; Serial No. 245,248; published May 17, 1927. Class 46.

Budlong Pickle Co., Chicago, Ill. Pickles, prepared mustard, catchup, chili sauce, etc. 230,908; Aug. 9; Serial No. 245,249; published May 17, 1927. Class 46.

Building and Realty News, Inc., White Plains, N. Y. Periodicals. 230,940; Aug. 9; Serial No. 247,166; published May 24, 1927. Class 38.

Capeway Bakery Inc., Braintree, Mass. Cake. 230,852; Aug. 9; Serial No. 228,409; published May 24, 1927. Class 46.

Carson Pirie Scott & Co., Chicago, Ill. Shirts. 231,107; Aug. 9. Class 39.

Carter, Chauncey P., Washington, D. C. Publications. 231,019; Aug. 9; Serial No. 246,073; published May 17, 1927. Class 38.

Cerf & Bielschowsky, Erfurt, Germany. Shoes and boots. 231,052; Aug. 9; Serial No. 243,997; published May 17, 1927. Class 39.

Certified Extracts Inc., New York, N. Y. Food-flavoring extracts. 230,998; Aug. 9; Serial No. 225,399; published May 10, 1927. Class 46.

Chain Store Publishing Corporation, The, New York, N. Y. Section of a periodical publication. 230,920; Aug. 9; Serial No. 242,818; published May 17, 1927. Class 38.

Chaussures Bally Société Anonyme de Fabrication, Schoenenwerd, Switzerland. Boots, shoes, sandals, moccasins, and bath slippers. 231,070; Aug. 9; Serial No. 245,472; published May 10, 1927. Class 39.

Chemische Fabrik "Promonta" Gesellschaft mit beschränkter Haftung, Hamburg, Germany. Dietetic foods. 230,999; Aug. 9; Serial No. 229,147; published May 17, 1927. Class 46.

Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 230,909; Aug. 9; Serial No. 245,251; published May 24, 1927. Class 46.

Chili Products Corporation, Los Angeles, Calif. Chili powder. 230,910; Aug. 9; Serial No. 245,252; published May 17, 1927. Class 46.

Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 230,911; Aug. 9; Serial No. 245,253; published May 24, 1927. Class 46.

Chili Products Corporation, Los Angeles, Calif. Chili powder. 230,912; Aug. 9; Serial No. 245,254; published May 17, 1927. Class 46.

Chili Products Corporation, Los Angeles, Calif. Ground chili peppers. 230,913; Aug. 9; Serial No. 245,255; published May 24, 1927. Class 46.

Colgate & Company, Jersey City, N. J. Soap. 231,010; Aug. 9; Serial No. 245,782; published May 24, 1927. Class 4.

Collier, Simon, Limited, Northampton, England. Boots and shoes. 231,106; Aug. 9. Class 39.

Colman, Louis, West Hampstead, London, England. Stockings and socks. 230,847; Aug. 9; Serial No. 244,916; published May 3, 1927. Class 39.

Compressed Spruce Products Company, Inc., West Orange, N. J. Pulleys, gears, etc. 231,115; Aug. 9. Class 23.

Conrad Co., Inc., The, New York, N. Y. Magazine. 231,105; Aug. 9; Serial No. 245,695; published May 17, 1927. Class 38.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roof paint. 230,905; Aug. 9; Serial No. 244,045; published May 24, 1927. Class 16.

Cooke Auto School. (See Coyne Trade & Engineering School.)

Coyne Trade & Engineering School, doing business as Cooke Auto School, assignor to Job-Way Home Study, Inc., Chicago, Ill. Correspondence lessons. 230,880; Aug. 9; Serial No. 186,829; published Jan. 15, 1924. Class 38.

Craven, John C., San Francisco, Calif. Abrasive, polishing, and finishing wheel for dental, jewelry, and other work. 230,915; Aug. 9; Serial No. 245,420; published May 24, 1927. Class 4.

Cronwell Paper Co., Chicago, Ill. Tympan paper. 230,923; Aug. 9; Serial No. 243,593; published May 17, 1927. Class 37.

Dalton Hat Co. Inc., Yonkers, N. Y. Men's hats. 231,066–7; Aug. 9; Serial Nos. 245,083–4; published May 10, 1927. Class 39.

Deceleco, Inc., Wayne, Mich. Artificial stone for electrical insulation and electric barriers, etc. 230,849; Aug. 9; Serial No. 244,992; published May 10, 1927. Class 21.

Delco-Remy Corporation, Dayton, Ohio. Sound signals for automobiles, etc. 230,876; Aug. 9; Serial No. 244,996; published Apr. 26, 1927. Class 21.

Denver Pharmaceutical Mfg. Co., Inc., The, Long Island City, N. Y. Medicines. 230,850; Aug. 9; Serial No. 227,722; published June 1, 1926. Class 6

Diamond Products Company. (See Krug, Herbert F.)

Diem & Wing Paper Co., The, Cincinnati, Ohio. Gray kraft paper. 231,116; Aug. 9. Class 37.

Eaton-Dikeman Co., The, Lee, Mass. Blotting paper. 230,988; Aug. 9; Serial No. 227,578; published May 17, 1927. Class 37.

Electrad, Inc., New York, N. Y. Stabilizers for electric circuits. 231,039; Aug. 9; Serial No. 242,989; published May 3, 1927. Class 21.

Electric Sales Service Company, San Francisco, Calif. Electric air heaters and electric water heaters. 230,881; Aug. 9; Serial No. 229,507; published Apr. 26, 1927. Class 21.

Electrical Research Laboratories, Chicago, Ill. Radio receiving sets and parts thereof. 230,855–6; Aug. 9; Serial Nos. 244,675–6; published May 10, 1927. Class 21.

Electrical Research Laboratories, Chicago, Ill. Radio receiving sets and parts thereof. 230,925; Aug. 9; Serial No. 244,674; published May 10, 1927. Class 21.

Elliott, George W., doing business as Jolly Boy Company, Houston, Tex. Ice cream, 230,936; Aug. 9; Serial No. 247,267; published May 24, 1927. Class 46.

Emmental Cheese Corporation, New York, N. Y. Cheese. 231,084; Aug. 9; Serial No. 245,962; published May 17, 1927. Class 46.

Ever Fresh Butter Corporation, New York, N. Y. Butter. 230,933; Aug. 9; Serial No. 247,420; published May 24, 1927. Class 46.

Every Buddy Blouse Co., New York, N. Y. Boys' blouses and dress shirts. 231,045; Aug. 9; Serial No. 243,355; published May 10, 1927. Class 39.

Fawcett, Hughes, New York, N. Y. Braids, shoe laces, and hatbands. 231,086–8; Aug. 9; Serial Nos. 241,207–9; published May 3, 1927. Class 40.

Fegely, H. H., Limeport, Pa. Dairy products. 230,853; Aug. 9; Serial No. 228,690; published May 24, 1927. Class 46.

Fischer, Carl, Inc., New York, N. Y. Violin cases. 230,955; Aug. 9; Serial No. 246,945; published May 24, 1927. Class 3.

Fleron, M. M., & Sons, Inc., Trenton, N. J. Lightning arresters. 231,014–15; Aug. 9; Serial No. 245,974; published May 17, 1927. Class 21.

Fleron, M. M., & Son, Inc., Trenton, N. J. Lightning arresters. 231,085; Aug. 9; Serial No. 245,977; published May 17, 1927. Class 21.

Flour Distributing Co., Newark, N. J. Wheat flour. 230,977; Aug. 9; Serial No. 246,021; published May 24, 1927. Class 46.

Flour Distributing Co., Newark, N. J. Wheat flour. 231,016; Aug. 9; Serial No. 246,022; published May 24, 1927. Class 46.

Foundation Press, Inc., The, Cleveland, Ohio. Printed books. 231,065; Aug. 9; Serial No. 246,276; published May 17, 1927. Class 38.

Gallert, Theodore, New York, N. Y. Hand bags, pocketbooks. 230,927; Aug. 9; Serial No. 244,822; published May 24, 1927. Class 3.

Garofalo Brothers, Chicago, Ill. Canned fruits and vegetables, etc. 230,888; Aug. 9; Serial No. 241,995; published May 10, 1927. Class 46.

Gates, Mills & Driscoll, Inc., Johnstown, N. Y. Gloves. 231,123; Aug. 9. Class 39.

General Porcelain Company, Parkersburg, W. Va. Porcelain insulator knobs. 231,101; Aug. 9; Serial No. 245,626; published May 24, 1927. Class 21.

Godchaux Sugars Inc., Reserve, La. Cane-sugar sirups. 230,917; Aug. 9; Serial No. 245,544; published May 10, 1927. Class 46.

Godchaux Sugars Inc., Reserve, La. Cane-sugar sirups. 231,097–100; Aug. 9; Serial Nos. 245,545–6; published May 10, 1927. Class 46.

Graff Company, Inc., The, New York, N. Y. Men's suits. 231,042; Aug. 9; Serial No. 243,267; published May 10, 1927. Class 39.

Green-Haas-Schwartz Company, The, Cleveland, Ohio. Knitted sweaters and jackets. 231,071; Aug. 9; Serial No. 245,483; published May 10, 1927. Class 39.

Grelck, William, St. Paul, Minn. Self-preserving feed product of semisolid consistency made from malted grain. 231,022; Aug. 9; Serial No. 239,105; published Feb. 22, 1927. Class 46.

Grennan Bakeries, Inc., Chicago, Ill. Cakes and cookies. 231,077; Aug. 9; Serial No. 245,712; published May 17, 1927. Class 46.

Grewen Fabric Company, Inc., Johnstown, N. Y. Cloth gloves. 230,971; Aug. 9; Serial No. 246,547; published May 17, 1927. Class 39.

Groff Paper Company, St. Paul, Minn. Paper napkins. 230,950; Aug. 9; Serial No. 247,018; published May 17,1927. Class 37.

Guaranteed Parts Co., Inc., New York, N. Y. Distributor plates and gears, brush holders, distributor brushes and springs, connecting bars, dust covers, etc. 230,926; Aug. 9; Serial No. 244,769; published Apr. 26, 1927. Class 21.

Hagerty, P., Shoe Company, The, Washington, Ohio. Shoes of leather and of leather and fabric combinations. 231,049; Aug. 9; Serial No. 243,758; published May 3, 1927. Class 39.

Hall, C. T., & Co., New York, N. Y. Hats and caps. 231,073; Aug. 9; Serial No. 245,550; published May 17, 1927. Class 39.

Hall, Hartwell & Co., Inc., Troy, N. Y. Collars and shirts. 231,074–5; Aug. 9; Serial No. 245,554; published May 10, 1927. Class 39.

Hamilton, M. B., & Co., Leavenworth, Kans. Gloves, mittens, and gauntlets. 231,034; Aug. 9; Serial No. 242,664; published May 10, 1927. Class 39.

"Hard Cold Hanky Company." (See Tennent, Margaret S.)

Harpic Manufacturing Company, Limited, London, England. Dry, paste, or ready-mixed paints, varnishes, and paint enamels. 230,964; Aug. 9; Serial No 246,345; published May 24, 1927. Class 16.

Harris, Leonard A., doing business as Rotax Manufacturing Co., Newark, N. J. Portable droplights, lighting and ignition cables, etc. 230,843; Aug. 9; Serial No. 244,865; published Apr. 26, 1927. Class 21.

Harry, Carl L., doing business as National Advertising Company, Detroit, Mich. Magazine. 230,928; Aug. 9; Serial No. 247,734; published May 24, 1927. Class 38.

Hartford Battery Mfg. Co., The, Millidale, Conn. Trickle chargers. 231,062; Aug. 9; Serial No. 246,158; published May 17, 1927. Class 21.

Hartmann Trunk Company, Racine, Wis. Wardrobe suitcases. 231,081; Aug. 9; Serial No. 245,842; published May 17, 1927. Class 3.

Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, golf suits, etc. 231,035; Aug. 9; Serial No. 242,668; published May 3, 1927. Class 39.

Heineman, Leo, New York, N. Y. Cleaning preparation. 231,003; Aug. 9; Serial No. 228,107; published May 24, 1927. Class 4.

Henrite Products Co., Inc., Jersey City, N. J. Commutator brushes. 230,874; Aug. 9; Serial No. 244,934; published Apr. 26, 1927. Class 21.

Hercules Gasoline Co., Los Angeles, Calif. Cleaning fluid. 230,904; Aug. 9; Serial No. 244,155; published May 24, 1927. Class 4.

Hewes & Potter, assignor to Hewes & Potter, Incorporated, Boston, Mass. Suspenders. 230,967; Aug. 9; Serial No. 245,984; published May 17, 1927. Class 39.

Highland Shaker Sweater Co., Camden, N. J. Sweaters, sport coats, jackets, etc. 231,068; Aug. 9; Serial No. 245,396; published May 17, 1927. Class 39.

Holt & Company, Inc., New York, N. Y. Wheat flour. 231,017; Aug. 9; Serial No. 246,027; published May 24, 1927. Class 46.

Hudson Silk Hosiery Co., Inc., Charlotte, N. C. Hosiery. 231,030; Aug. 9; Serial No. 242,058; published May 10, 1927. Class 39.

Illinois Canning Co., The, Hoopeston, Ill. Canned fruits and vegetables, coffee, spices, canned fish, etc. 230,873; Aug. 9; Serial No. 244,827; published May 10, 1927. Class 46.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables, fruits, dried vegetables, jellies, pickles, etc. 230,890; Aug. 9; Serial No. 244,826; published May 17, 1927. Class 46.

Independence Produce Company, Independence, Iowa. Eggs. 230,929; Aug. 9; Serial No. 247,538; published May 24, 1927. Class 46.

Independence Produce Company, Independence, Iowa. Eggs. 230,946; Aug. 9; Serial No. 246,957; published May 17, 1927. Class 46.

Indiana Lamp Corporation, Connersville, Ind. Electric headlights and reflectors therefor. 230,991; Aug. 9; Serial No 241,286; published May 17, 1927. Class 21.

International Agricultural Corporation, New York, N. Y. Fertilizers. 231,120; Aug. 9. Class 10.

International Chemical Co., Chicago, Ill. Preparation for shaving, not a soap, to be applied before shaving. 230,882; Aug. 9; Serial No. 231,044; published Jan. 25, 1927. Class 4.

International Geneva Association, Inc., New York N. Y. Magazine publication. 230,916; Aug. 9; Serial No. 245,493; published May 24, 1927. Class 38.

Jellinek, Elisabeth, New York, N. Y. Purses, hand bags, muff bags, and pocketbooks. 230,968; Aug. 9; Serial No. 246,958; published May 17, 1927. Class 3.

Jewett Radio & Phonograph Co., The, Detroit, Mich. Periodicals, radio loud speakers, radio receiving sets, etc. 230,994; Aug. 9; Serial No. 208,407; published Apr. 26, 1927. Class 21.

Jim Dandy Collar Company, Bradford, Ill. Horse collars. 230,868; Aug. 9; Serial No. 235,928; published May 17, 1927. Class 3.

Job-Way Home Study, Inc. (See Coyne Trade & Engineering School, assignor.)

Jolly Boy Company. (See Elliott, George W.)

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Hot-rolled and cold-finished steel bars. 230,894; Aug. 9; Serial No. 235,930; published May 24, 1927. Class 14.

Jordan Marsh Company, Boston, Mass. Blankets, bedspreads and comfortables 230,995; Aug. 9; Serial No. 134,206; published May 24, 1927. Class 42.

Judell, Maxon F., New York, N. Y. Magazines, books, and newspaper columns. 231,096; Aug. 9; Serial No. 245,398; published May 17, 1927. Class 38.

Juvenile Mfg. Co. The, San Antonio, Tex. Boys' suits, blouses, and pants; aprons, bonnets, dresses, etc. 230,969; Aug. 9; Serial No. 246,910; published May 17, 1927. Class 39.

K. C. B. Electric Mfg. Co., Sacramento, Calif. Storage batteries, dry cells, electric motors, etc. 230,851; Aug. 9; Serial No. 228,111; published May 10, 1927. Class 21.

Kalamazoo Pant Company. (See Rosenbaum, Sam, & Sons Company.)

Kansas Flour Mills Corporation, The, Kansas City, Mo. Stock and poultry feeds. 230,935; Aug. 9; Serial No. 247,321; published May 24, 1927. Class 46.

Kansas Milling Company, The, Wichita, Kans. Wheat flour. 231,059; Aug. 9; Serial No. 243,218; published May 17, 1927. Class 46.

Kaufman Hats Inc., New York, N. Y. Hats for men and boys. 231,041; Aug. 9; Serial No. 243,159; published May 10, 1927. Class 39.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Batteries, radio receiving sets, and parts therefor. 231,001; Aug. 9; Serial No. 228,909; published May 10, 1927. Class 21.

King Quality Products, Inc., Buffalo, N. Y. Radio apparatus and parts. 231,002; Aug. 9; Serial No. 214,083; published Apr. 26, 1927 Class 21.

Kleinert, I. B., Rubber Company, New York, N. Y. Bathing shoes. 230,975; Aug. 9; Serial No. 246,291; published May 17, 1927. Class 39.

Knighton, Samuel, & Sons, Inc., New York, N. Y. Wheat flour. 230,947; Aug. 9; Serial No. 246,294; published May 17, 1927. Class 46.

Koh-I-Noor Pleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Paper weights, propelling pencils, penholders, etc. 230,893; Aug. 9; Serial No. 234,849; published May 24, 1927. Class 37.

Koon, Floyd, Highland Park, Ill. Fluid for correcting the gripping capacity of friction brakes. 231,005; Aug. 9; Serial No. 228,855; published May 17, 1927. Class 4.

Krasne, Abraham, doing business as A. Krasne, New York, N. Y. Canned fruits and vegetables and tomato purée. 230,872; Aug. 9; Serial No. 244,778; published May 10, 1927. Class 46.

Krasne, Abraham, doing business as A. Krasne, New York, N. Y. Canned fruits and vegetables, canned fish, and canned shellfish. 230,899; Aug. 9; Serial No. 244,561; published May 10, 1927. Class 46.

Krug, Herbert F., doing business as Diamond Product Company, Detroit, Mich. Cloth, metal goods, and paper cleaner. 230,997; Aug. 9; Serial No. 229,183; published May 24, 1927. Class 4.

Kupferman, L. & Co., New York, N. Y. Suits. 231,025; Aug. 9; Serial No. 240,266; published May 3, 1927. Class 39.

Lambert Bewkes Co., Paterson, N. J. Shirts and blouses, dresses, and aprons. 230,884; Aug. 9; Serial No. 231,487; published June 22, 1926. Class 39.

Lane, Harry L., and Fred L. Bowles, Tulsa, Okla. Sandwiches, chili, and hot tamales. 230,903; Aug. 9; Serial No. 244,159; published May 10, 1927. Class 46.

Larabee Flour Mills Company, The, Kansas City, Mo. Wheat flour. 230,934; Aug. 9; Serial No. 247,332; published May 24, 1927. Class 46.

Lerner, Joseph S., doing business as Vogue Hosiery Shops, Kansas City, Kans. Hosiery. 231,046; Aug. 9; Serial No. 243,378; published May 3, 1927. Class 39.

Liberman, Sarah, doing business as S. Liberman, New York, N. Y. Shoes. 231,040; Aug. 9; Serial No. 243,004; published May 17, 1927. Class 39.

Liberty Manufacturing Co., Baltimore, Md. Nightgowns, pyjamas, etc. 231,055–6; Aug. 9; Serial Nos. 244,407–8; published May 3, 1927. Class 39.

Lingerie Co., The, Newark, N. J. Ladies' underwear and nightwear. 230,844; Aug. 9; Serial No. 244,874; published May 3, 1927. Class 39.

Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio. Soap. 231,060; Aug. 9; Serial No. 246,100; published May 24, 1927. Class 4.

Macfadden Publications Incorporated, New York, N. Y. Magazine. 230,930; Aug. 9; Serial No. 247,192; published May 24, 1927. Class 38.

Magnavox Company, The, Oakland, Calif. Electric egg cookers, air heaters, and electric adjustable lamps. 231,078; Aug. 9; Serial No. 246,038; published May 17, 1927. Class 21.

Markel Electric Products, Inc., Buffalo, N. Y. Shade holders for electric lamps. 230,879; Aug. 9; Serial No. 245,068; published Apr. 26, 1927. Class 21.

Markoff Brothers, doing business as Mark-Off Shoe Stores, Danbury and South Norwalk, Conn., and Peekskill, N. Y. Boots, shoes, slippers. 230,970; Aug. 9; Serial No. 246,695; published May 17, 1927. Class 39.

Mark-Off Shoe Stores. (See Markoff Brothers.)

Marquis, Francis, New York, N. Y. Nom de plume for newspaper and magazine articles, books, and pamphlets. 231,011; Aug. 9; Serial No. 245,848; published May 17, 1927. Class 38.

Marshall Field & Company, Chicago, Ill. Underwear. 231,112; Aug. 9. Class 39.

Mattlage, Charles F., & Sons, Inc., New York, N. Y. Salad dressing. 230,984; Aug. 9; Serial No. 233,536; published May 17, 1927. Class 46.

McAvoy Company, Chicago, Ill. Malt cereal beverages. 230,895; Aug. 9; Serial No. 2372,41; published Apr. 12, 1927. Class 48.

McDermott & Short, New York, N. Y. Hosiery. 231,080; Aug. 9; Serial No. 245,797; published May 10, 1927. Class 39.

Meier & Frank Company, Portland, Oreg. Suits and overcoats. 231,095; Aug. 9; Serial No. 242,016; published May 3, 1927. Class 39.

Mid-States Gummed Paper Company, Chicago, Ill. Gummed tape. 230,887; Aug. 9; Serial No. 242,544; published May 17, 1927. Class 37.

Miller, Daniel, Company, Baltimore, Md. Work shirts. 231,021; Aug. 9; Serial No. 239,024; published Jan. 11, 1927. Class 39.

Miller, I., and Sons Incorporated, Long Island City, N. Y. Shoes and slippers. 230,845; Aug. 9; Serial No. 244,879; published May 10, 1927. Class 39.

Miller, W. Y., Schuylkill Haven, Pa. Boots and shoes. 230,885; Aug. 9; Serial No. 233,214; published May 3, 1927. Class 39.

Mohawk Condensed Milk Company, New York, N. Y. Condensed milk. 230,918; Aug. 9; Serial No. 246,302; published May 24, 1927. Class 46.

Monroe Chemical Co., Quincy, Ill. Chemical compound for cleaning grease and spots from clothing, etc. 230,875; Aug. 9; Serial No. 244,946; published May 17, 1927. Class 4.

Monsheimer & Jacobs, New York, N. Y. Infants' dresses. 231,058; Aug. 9; Serial No. 244,460; published May 10, 1927. Class 39.

Morse, Frank W., doing business as Frank W. Morse Company, Boston, Mass. Radio equipment. 230,862; Aug. 9; Serial No. 202,134; published May 3, 1927. Class 21.

Morvay and Sons Company, Bridgeton, N. J. Knitted and woven undershirts, union suits, bloomers, etc. 231,051; Aug. 9; Serial No. 243,873; published May 3, 1927. Class 39.

Motometer Company, Inc., The, Long Island City, N. Y. Spark plugs. 230,880; Aug. 9; Serial No. 245,157; published May 10, 1927. Class 21.

NEA Service, Inc., Cleveland, Ohio. Comic strip. 230,943; Aug. 9; Serial No. 247,093; published May 24, 1927. Class 38.

N. Y. Mfg. Corp., New York, N. Y. Hats and caps. 231,119; Aug. 9. Class 39.

National Advertising Company. (See Harry, Carl L.)

National Mineral Health Food Co., Chicago, Ill. Mineral health food. 230,979; Aug. 9; Serial No. 229,872; published May 17, 1927. Class 46.

National Paper Products Company, San Francisco, Calif. Toilet tissue. 231,007; Aug. 9; Serial No. 245,745; published May 17, 1927. Class 37.

Natures Rival Co., Chicago, Ill. Women's garments. 231,125; Aug. 9. Class 39.

Neighbor Products Co., Chicago, Ill. Alimentary pastes. 230,953; Aug. 9; Serial No. 246,973; published May 17, 1927. Class 46.

Neighbor Products Co., Chicago, Ill. Alimentary pastes. 230,954; Aug. 9; Serial No. 246,971; published May 24, 1927. Class 46.

Newark Varnish Works, Inc., Newark, N. J. Lacquers. 230,965–6; Aug. 9; Serial Nos. 246,306–7; published May 24, 1927. Class 16.

New York Mercantile Co., St. Louis, Mo. Hats and caps. 231,110; Aug. 9. Class 39.

North Dakota Mill and Elevator Association, Grand Forks, N. Dak. Wheat products. 230,865–6; Aug. 9; Serial Nos. 220,911–12; published May 17, 1927. Class 46.

North & Judd Manufacturing Company, New Britain, Conn. Belt trimmings and buckles. 231,036–7; Aug. 9; Serial Nos. 242,846–7; published May 24, 1927. Class 40.

Norton, Adelaide I., Palm Beach, Fla. Publication or magazine. 230,957; Aug. 9; Serial No. 246,924; published May 17, 1927. Class 38.

Norton-Blair-Douglass, Inc., New York, N. Y. Elevators and parts thereof, etc. 230,892; Aug. 9; Serial No. 234,591; published May 3, 1927. Class 21.

Original Hat Works, Chicago, Ill. Ladies' hats. 231,050; Aug. 9; Serial No. 243,774; published May 3, 1927. Class 39.

Osborn, Louis G., doing business as Louis G. Osborn Sales Co., Vineland, N. J. Canned soup and seasoning. 230,992; Aug. 9; Serial No. 240,923; published May 24, 1927. Class 46.

Outlook Company, The, New York, N. Y. Periodical. 230,932; Aug. 9; Serial No. 247,490; published May 24, 1927. Class 38.

Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 230,919; Aug. 9; Serial No. 242,739; published May 10, 1927. Class 21.

Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 230,983; Aug. 9; Serial No. 242,738; published May 10, 1927. Class 21.
Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 231,024; Aug. 9; Serial No. 239,865; published May 10, 1927. Class 21.
Pacific Electric Manufacturing Co., San Francisco, Calif. Oil circuit breakers, air-break switches, fuse tubes, choke coils, bus-bar supports, etc. 231,061; Aug. 9; Serial No. 246,114; published May 17, 1927. Class 21.
Palais Royal, Inc., The, Washington, D. C. Art linen pieces, hair curlers, etc. 231,053; Aug. 9; Serial No. 244,101; published May 10, 1927. Class 40.
Patrowich, Samuel, Philadelphia, Pa. Suits, overcoats, and topcoats. 231,093; Aug. 9; Serial No. 241,899; published May 3, 1927. Class 39.
Paulo Silk Company, Duluth, Minn. Hosiery, dresses, scarfs, etc. 230,858; Aug. 9; Serial No. 244,716; published May 3, 1927. Class 39.
Paver, J. M., Company, The, Chicago, Ill. Canned and bottled vegetables. 231,102; Aug. 9; Serial No. 245,654; published May 17, 1927. Class 46.
Peates Music House, Incorporated, Utica, N. Y. Violin cases. 230,974; Aug. 9; Serial No. 246,360; published May 17, 1927. Class 3.
Peksbury Clothing Corp., New York, N. Y. Suits, topcoats, overcoats, and reefers. 231,121; Aug. 9. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Purses and hand bags. 230,945; Aug. 9; Serial No. 246,979; published May 17, 1927. Class 3.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Snap fasteners. 230,973; Aug. 9; Serial No. 246,361; published May 24, 1927. Class 40.
Phoenix, Edward C., doing business as Phoenix Bros., Fairoaks, Calif. Olives, peaches, vegetables. 231,063; Aug. 9; Serial No. 246,222; published May 17, 1927. Class 46.
Photomaton, Inc., New York, N. Y. Photographic prints. 230,962–3; Aug. 9; Serial Nos. 246,362–3; published May 24, 1927. Class 38.
Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga. Evaporated milk, cocoa, canned meats, condiments, etc. 231,000; Aug. 9; Serial No. 215,476; published May 17, 1927. Class 46.
Port of New York Publicity Company, The. (See Aarnham, August R.)
Poultry Tribune Company, Mount Morris and Chicago, Ill. Poultry Tribune. 230,938; Aug. 9; Serial No. 247,209; published May 24, 1927. Class 38.
Primary Oil Company, Wapello, Iowa. Lubricating and fuel oils and greases. 231,012; Aug. 9; Serial No. 245,802; published May 24, 1927. Class 15.
Prym, William, Company, Limited, The, Stolberg, Germany. Pins, buckles, etc. 230,883; Aug. 9; Serial No. 231,341; published May 3, 1927. Class 40.
Radium Adv. Co. of America. (See Bader, David.)
Rand Kardex Bureau, Inc., Tonawanda, N. Y. Blank and partially-printed cards and forms for indexes, index guide cards, etc. 230,958; Aug. 9; Serial No. 246,709; published May 17, 1927. Class 37.
Raskas, Louis S., St. Louis, Mo. Cream. 231,103; Aug. 9; Serial No. 245,656; published May 17, 1927. Class 46.
Redman, Vesba T., Washington, D. C. Nom de plume for newspaper sections, etc. 230,931; Aug. 9; Serial No. 247,495; published May 24, 1927. Class 38.
Retail Lumberman Publishing Co., Kansas City, Mo. Magazine. 230,949; Aug. 9; Serial No. 247,040; published May 24, 1927. Class 38.
Roe, V. V., doing business as All-Henry Coil Company, South Gate, Calif. Radio inductance coils. 230,877; Aug. 9; Serial No. 245,030; published May 10, 1927. Class 21.
Roper, Geo. D., Corporation, Rockford, Ill. Electric stoves, plates, and ranges. 230,846; Aug. 9; Serial No. 244,887; published May 10, 1927. Class 21.
Rosalind Underwear Co. Inc., New York, N. Y. Underwear. 231,091; Aug. 9; Serial No. 241,681; published May 3, 1927. Class 39.
Rosenbaum, Sam, & Sons Company, doing business as Kalamazoo Pant Company, Kalamazoo, Mich. Knickerbockers and riding breeches. 231,029; Aug. 9; Serial No. 241,069; published May 10, 1927. Class 39.
Rotax Manufacturing Co. (See Harris, Leonard A.)
Royal Manufacturing Company, Allentown, Pa. Underwear. 231,129; Aug. 9. Class 39.
Rubinow, Joseph H., Inc., New York, N. Y. Women's hats. 231,033; Aug. 9; Serial No. 242,549; published May 3, 1927. Class 39.
Rubyette Co., The. (See Tussman, Wormser & Co.)
Saal, H. G., Company, Chicago, Ill. Radio loud speakers. 230,922; Aug. 9; Serial No. 243,116; published Apr. 26, 1927. Class 21.
Sarotti Aktiengesellschaft, Berlin-Tempelhof, Germany. Cocoa, chocolate, nougat, nuts of every kind, etc. 230,996; Aug. 9; Serial No. 242,625; published May 17, 1927. Class 46.
Sawyer, McLaran, St. Louis, Mo. Ready-mixed paints. 230,889; Aug. 9; Serial No. 241,904; published May 24, 1927. Class 16.
Schmidt Baking Company, Inc., Baltimore, Md. Bread, cake, buns, crullers. 231,027; Aug. 9; Serial No. 240,882; published May 24, 1927. Class 46.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 231,113–14; Aug. 9. Class 39.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Antiseptic fabric. 231,008; Aug. 9; Serial No. 245,752; published May 24, 1927. Class 44.
Schwartz & Zuckerman, New York, N. Y. Shirts, overalls, blouses, trousers, etc. 231,078; Aug. 9; Serial No. 245,753; published May 17, 1927. Class 39.
Scott, Abraham L., New York, N. Y. Publication. 231,009; Aug. 9; Serial No. 245,754; published May 24, 1927. Class 38.
Scott, Rufus W., Company, New York, N. Y. Stockings. 230,886; Aug. 9; Serial No. 235,236; published May 31, 1927. Class 39.
Sekey, Margaret, New York, N. Y. Bandeaux such as brassières. 231,023; Aug. 9; Serial No. 239,201; published May 10, 1927. Class 39.
Seymour, Malcolm, Boston, Mass. Sleeping garment. 231,090; Aug. 9; Serial No. 241,640; published May 3, 1927. Class 39.
Shepard, Frank D., Saginaw, Mich. Soot cleaner. 230,902; Aug. 9; Serial No. 244,188; published May 24, 1927. Class 6.
Silvergio Lamps, Inc., Baltimore, Md. Permanent and portable electric-lighting fixtures and stands, lamps, and parts thereof. 231,032; Aug. 9; Serial No. 242,507; published May 10, 1927. Class 21.
Sinclair, Bernice, Indianapolis, Ind. Hats and dresses for women and children. 230,859; Aug. 9; Serial No. 244,726; published May 3, 1927. Class 39.
Spexout Products Co. (See Steckler, Louis.)
Staadecker & Company, Seattle, Wash. Ladies' hats. 231,069; Aug. 9; Serial No. 245,412; published May 17, 1927. Class 39.
Staedtler, J. S., Inc., New York, N. Y. Lead pencils, leads, crayons, and penholders. 231,064; Aug. 9; Serial No. 246,234; published May 17, 1927. Class 37.
Standard Insulation Company, Rutherford, N. J. Insulating tapes, varnished cloth, papers, varnished papers, etc. 231,047; Aug. 9; Serial No. 243,396; published Apr. 26, 1927. Class 21.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 230,891; Aug. 9; Serial No. 232,365; published May 24, 1927. Class 4.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 230,981; Aug. 9; Serial No. 232,361; published May 24, 1927. Class 4.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing compounds and detergents. 230,982; Aug. 9; Serial No. 232,363; published May 24, 1927. Class 4.
Standard Oil Company (New Jersey), Bayonne, N. J. Cleansing and polishing compounds and detergents. 230,989; Aug. 9; Serial No. 230,808; published May 24, 1927. Class 4.
Steckler, Louis, doing business as Spexout Products Co., New York, N. Y. Dry cleaner and spot remover. 230,959; Aug. 9; Serial No. 246,043; published May 24, 1927. Class 4.
Stewart Paint Mfg. Co., Minneapolis, Minn. Mixed paint ready for use. 230,961; Aug. 9; Serial No. 246,446; published May 24, 1927. Class 16.
Stone & Gropper, Inc., New York, N. Y. Hand bags. 230,942; Aug. 9; Serial No. 247,149; published May 24, 1927. Class 3.
Stone-Tarlow Co. Inc., Brockton, Mass. Leather shoes. 231,072; Aug. 9; Serial No. 245,523; published May 3, 1927. Class 39.
Sussman, Wormser & Co., assignor to The Rubyette Co., San Francisco, Calif. Preserved and canned raisins and grapes. 230,869–70; Aug. 9; Serial Nos. 241,449–50; published Feb. 15, 1927. Class 46.
Sussman, Wormser & Co., assignor to The Rubyette Co., San Francisco, Calif. Preserved and canned raisins and grapes. 231,089; Aug. 9; Serial No. 241,451; published Feb. 15, 1927. Class 46.
Sussman, Wormser & Co., San Francisco, Calif. Canned corn. 231,094; Aug. 9; Serial No. 241,910; published Feb. 22, 1927. Class 46.
Tag-Hart Malt Products Co., La Crosse, Wis. Malt-sirup extracts. 230,867; Aug. 9; Serial No. 224,300; published Apr. 20, 1926. Class 46.
Taubel, William F., Incorporated, Riverside, N. J. Stockings. 231,028; Aug. 9; Serial No. 240,887; published May 10, 1927. Class 39.
Telefunken, Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Apparatuses, machines, and instruments for television and electrical transmission of pictures. 231,026; Aug. 9; Serial No. 240,578; published May 3, 1927. Class 21.
Tennent, Margaret S., doing business as "Hard Cold Hanky Company," Caledonia, N. Y. Handkerchiefs. 231,127; Aug. 9. Class 42.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 230,896–7; Aug. 9; Serial Nos. 239,491–2; published May 17, 1927. Class 46.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 230,985; Aug. 9; Serial No. 239,495; published May 17, 1927. Class 46.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 230,986; Aug. 9; Serial No. 239,498; published May 17, 1927. Class 46.

Thomas, Don D., Fresno, Calif. Metal polish. 230,878; Aug. 9; Serial No. 245,035; published May 17, 1927. Class 4.
Thompson's Malted Food Company, Waukesha, Wis. Chocolate-flavored egg malted milk. 230,960; Aug. 9; Serial No. 246,513; published May 17, 1927. Class 46.
Toledo Timer Co., The, Toledo, Ohio. Spark timers for internal-combustion motors. 231,076; Aug. 9; Serial No. 245,671; published May 17, 1927. Class 21.
Toledo Timer Co., The, Toledo, Ohio. Spark timers for internal-combustion motors. 231,104; Aug. 9; Serial No. 245,670; published May 17, 1927. Class 21.
Turchin Bros., New York, N. Y. Hats. 231,109; Aug. 9. Class 39.
United States Electrical Manufacturing Company, Los Angeles, Calif. Electric motors. 230,871; Aug. 9; Serial No. 244,638; published May 3, 1927. Class 21.
United States Fastener Company, The, South Boston, Mass. Pin fasteners. 231,082; Aug. 9; Serial No. 245,873; published May 24, 1927. Class 40.
Varsity Underwear Company, assignor to Varsity Underwear Company, Incorporated, Baltimore, Md. Union suits, undershirts, drawers, etc. 231,020; Aug. 9; Serial No. 237,102; published May 3, 1927. Class 39.
Vogue Hosiery Shops. (See Lerner, Joseph S.)
Waerbeter Necktie Corporation, New York, N. Y. Neckties. 231,128; Aug. 9. Class 39.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Shoe snap fasteners and shoe slide fasteners. 230,972; Aug. 9; Serial No. 246,373; published May 10, 1927. Class 40.
Walters Rubber Co. Inc., Mineola, N. Y. Magazine. 230,901; Aug. 9; Serial No. 244,257; published May 17, 1927. Class 38.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Soaps. 230,861; Aug. 9; Serial No. 187,284; published Dec. 25, 1923. Class 4.
Washington Jewelry Company, Boston, Mass. Brief cases. 230,976; Aug. 9; Serial No. 246,188; published May 17, 1927. Class 3.
Weil, Maximilian, doing business as Audak Company, New York, N. Y. Attachment or accessory for phonographs. 230,864; Aug. 9; Serial No. 209,448; published May 10, 1927. Class 21.
Welt-Wachs-Werk Egbert Günther Söhne, Dresden, Germany. Polishing materials. 231,006; Aug. 9; Serial No. 245,674; published May 24, 1927. Class 16.
Werner & Mertz Aktiengesellschaft, Mainz, Germany. Polishing paste, etc., for shoes. 230,987; Aug. 9; Serial No. 227,817; published May 17, 1927. Class 4.
West Liberty Cooperative Creamery Company, West Liberty, Iowa. Butter. 230,930; Aug. 9; Serial No. 247,508; published May 24, 1927. Class 46.
White, L. Q., Shoe Company, Bridgewater, Mass. Boots and shoes. 231,092; Aug. 9; Serial No. 241,757; published May 3, 1927. Class 39.
Wright, Donald T., St. Louis, Mo. Magazine. 230,952; Aug. 9; Serial No. 246,988; published May 24, 1927. Class 38.
Yale University Press, Inc., New Haven, Conn. Publications. 230,944; Aug. 9; Serial No. 247,052; published May 24, 1927. Class 38.
Your Garden Publishing Company, Inc., Cleveland, Ohio. Publication. 230,956; Aug. 9; Serial No. 246,944; published May 24, 1927. Class 38.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Abbotts Alderney Dairies, Inc., Philadelphia, Pa. Abbotts Philadelphia Ice Cream. For Ice Cream. 32,530–1; Aug. 9.
Bell Broom & Brush Co., Middlesboro, Ky. Blue Bell. For Brooms and Mops. 32,532; Aug. 9.
Blum, Leon L., doing business as L. L. Blum & Co., Kendal, Fla. Southern Aristocrat. For Guava Jelly. 32,533; Aug. 9.
Boogher, Susan M., Strafford, Pa. Spray Away. For Cold-Cure Preparations. 32,534; Aug. 9.
California Condiment Company, Los Angeles, Calif. Best-grade. For Mayonnaise. 32,535; Aug. 9.
Cavalier Coverlet Co. (See Dunster, Charles H.)
Chapman Co., The. (See Menasha Printing and Carton Company, assignor.)
Cochran-Turney-Crispo, Inc., New York, N. Y., and Los Angeles, Calif. Arctic. For Iceberg Lettuce. 32,536; Aug. 9.
Cochran-Turney-Crispo, Inc., New York, N. Y., and Los Angeles, Calif. Crisp-O. For Cantaloupes 32,537; Aug. 9.
Cochran-Turney-Crispo, Inc., New York, N. Y., and Los Angeles, Calif. Crisp-O. For Honeyball melons. 32,538; Aug. 9.
Cochran-Turney-Crispo, Inc., New York, N. Y., and Los Angeles, Calif. Crisp-O. For Honeydew melons. 32,539; Aug. 9.
Dunster, Charles H., doing business as Cavalier Coverlet Co., New York, N. Y. Cavalier Weavings. For Bed Coverlets. 32,540; Aug. 9.
Earl Fruit Company, Wenatchee, Wash. Yellow Flag. For Fresh Apples. 32,541; Aug. 9.
Hillyard Chemical Company, St. Joseph, Mo. Shine-All. For a Liquid Chemical Cleanser. 32,542; Aug. 9.
Hollenbach, Chas., Chicago, Ill. The Original Chas. Hollenbach's 314. For Meat Rolls. 32,543; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Bologna-Style Sausage. 32,544; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Pure Lard. 32,545; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Cooked Ham. 32,546; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Bacon. 32,547; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Ham. 32,548; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Fresh Sausage. 32,549; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Sausage. 32,550; Aug. 9.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Pheasant. For Smoked Shoulder. 32,551; Aug. 9.
Lange Creamery Inc., doing business as Lange Creamery Company, Kansas City, Mo. Good Butter. For Butter. 32,552; Aug. 9.
Limoneira Company, Santa Paula, Calif. Bridal Veil. For Lemons. 32,553; Aug. 9.
Limoneira Company, Santa Paula, Calif. Loma. For Lemons. 32,554; Aug. 9.
Limoneira Company, Santa Paula, Calif. White Cross. For Lemons. 32,555; Aug. 9.
Limoneira Company, Santa Paula, Calif. Selected. For Lemons. 32,556; Aug. 9.
Magic Soda & Mineral Water Co., New York, N. Y. Pale Dry Ginger Ale. For Ginger Ale. 32,557; Aug. 9.
Maternex M'f'g. Chemists, New York and Woodhaven, N. Y. Maternex. For a Tonic for Building Up of the Reproductive Organs. 32,558; Aug. 9.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Peerless Butter Company, Memphis, Tenn. Peerless. For Butter. 32,559; Aug. 9.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Chapman Co., Cleveland, Ohio. Chapman's Choice Creamery Butter. For Butter. 32,560; Aug. 9.
Northern Paper Mills, Green Bay, Wis. Elfin. For Toilet Paper. 32,561; Aug. 9.
Northern Paper Mills, Green Bay, Wis. Elkskin Tissue. For Toilet Paper. 32,562; Aug. 9.
Peerless Butter Company. (See Menasha Printing and Carton Company, assignor.)
Redmond Candy Company, The, Indianapolis, Ind. Redmond's Peanut Billy-Kyns. For Candy. 32,563; Aug. 9.
Salada Tea Company, Boston, Mass. Salada Mixed Tea. For Tea. 32,564; Aug. 9.
Salada Tea Company, Boston, Mass. Salada Green Tea. For Tea. 32,565; Aug. 9.
Sierra Club Beverage Co. Inc., Los Angeles and Glendale, Calif. Ruf-Amber. For Ginger Ale. 32,566; Aug. 9.
Sunland Laboratories, Inc., Los Angeles, Calif. Sunland's Twin Packet. For Shampoo. 32,567; Aug. 9.
United States Paper Box Co., Inc., Philadelphia, Pa. Collegiate Muffler & Tie Set. For a Muffler and Tie Set. 32,568; Aug. 9.
United States Paper Box Co., Inc., Philadelphia, Pa. Exclusive Design. For Neckties. 32,569; Aug. 9.
United States Paper Box Co., Inc., Philadelphia, Pa. Greeting. For Neckties. 32,570; Aug. 9.
Wertheimer & Levy, Inc., New York, N. Y. Cinderella Novelties. For Novelties. 32,571; Aug. 9.
Yucaipa Valley Fruit Co, Yucaipa, Calif. Mountain Boy. For Apples. 32,572; Aug. 9.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Adjusta Co., The, New York, N. Y. One Fact Outweighs a Thousand Theories. For Buckles. 10,099; Aug. 9.

B. V. D. Company, Inc., The, New York, N. Y. Have Some Refreshments! For Athletic Underwear. 10,100; Aug. 9.

B. V. D. Company, Inc., The, New York, N. Y. Where Fit and Freedom Meet! For Athletic Underwear. 10,101; Aug. 9.

Cream Of Wheat Co., Minneapolis, Minn. The Hardest Crop to Raise—Babies! For Wheat Breakfast Food. 10,102; Aug. 9.

Czecho Peasant Art Co. Inc., New York, N. Y. Peasant Art Industry Made In Czechoslovakia. For Examples of Peasant Art. 10,103; Aug. 9.

Eskimo Pie Corporation, Louisville, Ky. Imaginashun is Fine—But Eskimo Pie is the Real Thing. For Frozen Confections. 10,104; Aug. 9.

Eskimo Pie Corporation, Louisville, Ky. My Mother is the Best Mother in the World. For Frozen Confections. 10,105; Aug. 9.

Eskimo Pie Corporation, Louisville, Ky. You Gotta Hand it to Eskimo Pie. For Frozen Confections. 10,106; Aug. 9.

Gillette Safety Razor Company, New York, N. Y. John Kelly Says: 'I Always Come Back to My Gillette.' For Safety Razors. 10,107; Aug. 9.

Milbury Atlantic Manufacturing Co., The, New York, N. Y. Wear A Milbury Atlantic and Swim Like a Fish. For Bathing Apparel. 10,108; Aug. 9.

Rejuvené Manufacturing Co., Berkeley, Calif. Rejuvené. For Cosmetics. 10,109; Aug. 9.

Spiegel, May, Stern Co., Chicago, Ill. Fairy Filled Felt Guaranteed Mattresses. For Mattresses. 10,110; Aug. 9.

W. W. Health Drinks, Inc. (See Weston, Charles W.)

Weston, Charles W., doing business as W. W. Health Drinks, Inc., Pampa, Tex. W. W. Health Drinks, Inc. For Soft Drinks. 10,111; Aug. 9.

Whistle Company of America, Inc., New York, N. Y. Handy Bottle. For Soft Drinks. 10,112; Aug. 9.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S. Fisker & Nielsen, Copenhagen, Denmark. Vacuum cleaners, brushing and polishing machines, etc. 246,274; Aug. 9. Class 21.

Aikin, Merrill, St. Petersburg, Fla. Skin cream used for the prevention of mosquito bites. 249,399; Aug. 9. Class 6.

Alloy Steel and Metals Co., Los Angeles, Calif. Machinery. 249,936; Aug. 9. Class 23.

Aluminum Ore Company, Pittsburgh, Pa. Chemical composition for use in the purification of water. 249,883; Aug. 9. Class 6.

American Envelope Co., The, West Carrollton, Ohio. Mailing envelopes. 245,526; Aug. 9. Class 37.

American Window Glass Company, Pittsburgh, Pa. Window and other glass. 248,388; Aug. 9. Class 33.

Anderson, Robert P., Sunbury, Ohio. Medicine. 237,526; Aug. 9. Class 6.

Anglin, Richard, Hempstead, N. Y. Antiseptic mouth and throat tablets. 251,313; Aug. 9. Class 6.

Babcock & Wilcox Company, The, New York, N. Y. Bricks. 249,885; Aug. 9. Class 12.

Baird & Bell, Inc., Glendale, Calif. Power-driven meat and bone saws. 250,057; Aug. 9. Class 23.

Báňská-A-Hutní Společnost, Brno, Czechoslovakia. Commercial castings of all kinds, rolled slabs, etc. 231,784–5; Aug. 9. Class 14.

Barnett, I. H., & Bros., New York, N. Y. Shirts. 242,166; Aug. 9. Class 39.

Beard, Edward L., New York, N. Y. Telephone-transmitter mouthpieces. 249,821; Aug. 9. Class 21.

Benjamin, E. V., Company, Inc., The, doing business as Maginnis Cotton Mills, New Orleans, La. Cotton piece goods. 250,957; Aug. 9. Class 42.

Bennett, Fred S., Inc., New York, N. Y. Piece goods of cotton, flax, jute, and vegetable fibers. 251,535; Aug. 9. Class 42.

Blanchard, N. C., Company, Harriman, Tenn. Golf shafts and golf clubs. 249,887; Aug. 9. Class 22.

Blechman, S. & Sons, Inc., New York, N. Y. Rattles, dolls, bunnies, and toy animals. 247,250; Aug. 9. Class 22.

Bloch Company, The, Detroit, Mich. Suits and overcoats. 243,527; Aug. 9. Class 39.

Blue Anchor Malt Distributing Co. of America. (See Kasser, H.)

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,380–2; Aug. 9. Class 42.

Boulin, Camille H., doing business as Canson & Montgolfier, New York, N. Y. Paper. 175,644; Aug. 9. Class 37.

Bram Laboratories. (See Drosness, Vitold.)

Brownsville Canning Company, Brownsville, Wis. Canned vegetables. 250,223; Aug. 9. Class 46.

Cadwallader, Wayne, doing business as Seacoast Laboratories, Sea Bright, N. J. Preparations in the form of crystals for laundry, toilet, etc., Cleaning. 245,250; Aug. 9. Class 4.

Calro Products Co. (See McCarthy, Callaghan J.)

Canson & Montgolfier. (See Boulin, Camille H.)

Caulkins, Cecil P., New London, Conn. Game. 250,975; Aug. 9. Class 22.

Cohn & Rosenberger, Inc., New York, N. Y. Pearls, necklaces, bracelets, etc. 251,028; Aug. 9. Class 28.

Cork Import Corporation, New York, N. Y. Cork board for building and thermal insulating purposes. 250,442; Aug. 9. Class 12.

Courtaulds, Limited, London, England. Yarns of cellulose. 250,978–9; Aug. 9. Class 43.

Davis, C. E., & A. E. Davis, Reedville, Va. Canned fish roe and fish. 242,711; Aug. 9. Class 46.

Davis, N., & Company, Inc., Baltimore, Md. Pickled herring. 250,529; Aug. 9. Class 46.

Deere & Company, Moline, Ill. Magazine. 249,101; Aug. 9. Class 38.

Diel Watch Case Co., Inc., New York, N. Y. Watches and parts thereof. 251,177; Aug. 9. Class 27.

Dow, Louis F., Co., St. Paul, Minn. Greeting cards, wall calendars, etc. 244,494; Aug. 9. Class 38.

Dreyfuss, Moïse, London, England. Watches and parts thereof. 242,791; Aug. 9. Class 27.

Drosness, Vitold, doing business as Bram Laboratories, New York, N. Y. Insecticide. 250,910; Aug. 9. Class 6.

Electrical Manufacturing & Plating Company, Hampton Wick, Kingston-on-Thames, England. Loud speakers for wireless telephony. 244,923; Aug. 9. Class 21.

Eline's Incorporated, Milwaukee, Wis. Candy. 251,326; Aug. 9. Class 46.

Fishlov, Irving H., doing business as H. Fishlov & Co., Chicago, Ill. Toy U. S. mail wagons, mail trucks, etc. 249,962; Aug. 9. Class 22.

Fox, Carolyn G., doing business as Carolyn Renard, St. Louis, Mo. Facial cleansing and massage cream, and lices, astringent lotions, and lip salves. 251,031; Aug. 9. Class 6.

Frank, M. H., & Co., New York, N. Y. Bridge-outfit container. 248,766; Aug. 9. Class 22.

Freshman, Chas., Co. Inc., New York, N. Y. Radio receiving sets and radio parts. 249,717–8; Aug. 9. Class 21.

Galbraith, C. C., doing business as Galbraith & Company, New York, N. Y. Cleansing and washing compound. 250,405–6; Aug. 9. Class 4.

General Citrus Corporation, Los Angeles, Calif. Beverage sold as a soft drink. 239,101; Aug. 9. Class 45.

Glickman, Abraham E., Brooklyn, N. Y. Perfumes, toilet waters, facial creams, and skin lotions. 250,122; Aug. 9. Class 6.

Gray & Danielson Mfg. Co., San Francisco, Calif. Radio-frequency amplifier units. 247,689; Aug. 9. Class 21.

Griess-Pfleger Tanning Co., The, Peabody, Mass. Leather. 251,052–3; Aug. 9. Class 1.

Grossman, Joseph, doing business as Kasdum Company, Steubenville, Ohio. Toilet tissue paper. 249,004; Aug. 9. Class 37.

Harmon, Frank S., doing business as Tom-A-Hawk Farms, Borton, Ohio. Live cattle and hogs. 250,797; Aug. 9. Class 46.

Hart, Schaffner & Marx, Chicago, Ill. Suits and coats. 242,536; Aug. 9. Class 39.

Hillcrest Products Co., St. Louis, Mo. Sandwich spread, mayonnaise dressing, etc. 250,451; Aug. 9. Class 46.

Honigbaum, Harry H., doing business as Patent Nail & Holder Factories, New York, N. Y. Nails, hinges, etc. 248,694; Aug. 9. Class 13.

Honigbaum, Harry H., doing business as The Rubber Roofing Co., New York, N. Y. Roll roofing, building paper, and composition shingles. 248,695; Aug. 9. Class 12.

Horney, John A., Cincinnati, Ohio. Soap. 233,735; Aug. 9. Class 4.

Houghton, E. F., & Co., Philadelphia, Pa. Check straps for textile looms. 251,039; Aug. 9. Class 23.

House, L., & Sons Co., Inc., Syracuse, N. Y. Beverages sold as soft drinks and syrups for making the same. 250,175; Aug. 9. Class 45.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hudson, J. L., Company, The, Detroit, Mich. Playing cards. 248,234; Aug. 9. Class 22.

Hume, G. W., Company, San Francisco, Calif. Canned fruits and vegetables. 234,302; Aug. 9. Class 46.

Hurley Manufacturing Company, The, Lancaster, Pa. Toy aeroplanes or flying machines. 250,801; Aug. 9. Class 22.

Independent Oil & Chemical Company. (See Trivisone, Louis M.)

Industrial Works, Bay City, Mich. Brake-band dressing. 249,276; Aug. 9. Class 4.

International Magazine Company, Inc., New York, N. Y. Publication. 251,041; Aug. 9. Class 38.

Jambor Tool & Stamping Company, Milwaukee, Wis. Automobile accessories—namely, spark timers and electric wiring sets. 231,865; Aug. 9. Class 21.

Jaquet, Josephine, Jersey City, N. J. Soaps, metal polishes, etc. 251,057; Aug. 9. Class 4.

Jennings, O. D., & Company, Chicago, Ill. Confectionery. 250,457; Aug. 9. Class 46.

Kalo Company, The, Quincy, Ill. Livestock remedies. 248,842; Aug. 9. Class 6.

Kasdum Company. (See Grossman, Joseph.)

Kasser, H., doing business as Blue Anchor Malt Distributing Co. of America, Philadelphia, Pa. Malt sirup. 250,545; Aug. 9. Class 48.

Kauffmann, F. A., Manufacturing Company, St. Louis, Mo. Cleanser in powdered form. 250,809; Aug. 9. Class 4.

Kelly Douglas & Co. Ltd., Vancouver, British Columbia, Canada. Coffee. 249,728; Aug. 9. Class 46.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Bale ties. 249,730; Aug. 9. Class 13.

Killian, Monroe C., Mohnton, Pa. Hose. 245,727; Aug. 9. Class 39.

Kislinger, Joseph B., New York, N. Y. Watches, watch dials, frames, etc. 223,584; Aug. 9. Class 27.

Klensing Emulsion Company, Garwood, N. J. Cleansing emulsions and soaps. 251,142–3; Aug. 9. Class 4.

Kline, William, doing business as Kline Compounding Co., Waynesboro, Va. Cleansing preparation. 251,345; Aug. 9. Class 4.

Lake, Robert H., Takoma Park, Md. Uniform-cap cover stretcher. 248,306; Aug. 9. Class 50.

Lefebure Corporation, Cedar Rapids, Iowa. Blank books, indexes, ledgers, etc. 247,897; Aug. 9. Class 37.

Lenga & Spitz, New York, N. Y. Watches. 249,734; Aug. 9. Class 27.

Lexington Electrical Products Co., Inc., New York, N. Y. Panels, switchboards, switches, and parts for the same. 247,900; Aug. 9. Class 21.

Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco. 244,617; Aug. 9. Class 17.

Limoges China Company, The, Sebring, Ohio. China and porcelain dinner sets. 216,840; Aug. 9. Class 30.

Lipscomb Bros. Inc., New Orleans, La. Maitless table and cooking sirups. 251,001; Aug. 9. Class 46.

Lipton, Sarah, Brooklyn, N. Y. Textile diapers. 251,061; Aug. 9. Class 42.

Maginnis Cotton Mills. (See Benjamin, E. V., Company, Inc., The.)

Management Magazines, Incorporated, Chicago, Ill. Magazine. 250,701–2; Aug. 9. Class 38.

Manhattan Baking Powder Co., Inc., Brooklyn, N. Y. Compound for preparing chocolate food drinks. 250,852; Aug. 9. Class 46.

Mansfield Tire & Rubber Co., The, Mansfield, Ohio. Tire casings and inner tubes. 239,622. Aug. 9. Class 35.

Master Products Corporation, San Francisco, Calif. Brake-adjusting device. 249,360; Aug. 9. Class 23.

McCarthy, Callaghan J., doing business as Calro Products Co., New York, N. Y. Beverage sold as a soft drink. 250,129; Aug. 9. Class 45.

McDade, Robert, New York, N. Y. Linen piece goods. 251,449; Aug. 9. Class 42.

McEwen, Irving, Omaha, Nebr. Soap. 251,195; Aug. 9. Class 4.

Metropolitan Body Company, The, Bridgeport, Conn. Automotive vehicle cabs, dump bodies, and rack bodies. 245,852; Aug. 9. Class 19.

Miami Beverage Corporation, Coral Gables, Fla. Beverages sold as soft drinks and extracts and sirups for making the same. 250,851; Aug. 9. Class 45.

Millard Candy Company, The, Baltimore, Md. Candy suckers. 250,628; Aug. 9. Class 46.

Miller Laboratories, Inc., The, Chicago, Ill. Antiseptic, deodorant, and healing preparation. 248,044; Aug. 9. Class 6.

Monsanto Chemical Works, St. Louis, Mo. Orthodichlorbensene and solvents for leather dyes. 251,066; Aug. 9. Class 6.

Motor Requirements Corporation, Camden, N. J. Gasoline purifiers for use with internal-combustion engines. 249,087; Aug. 9. Class 23.

Mouson, J. G., & Co., Frankfort-on-the-Main, Germany. Soap. 217,726; Aug. 9. Class 4.

Murphy, Richard J., Washington, D. C. Used automobiles. 250,137; Aug. 9. Class 19.

Myrurgia, S. A., Barcelona, Spain. Soap. 251,003–5; Aug. 9. Class 4.

Myrurgia, S. A., Barcelona, Spain. Soap. 251,007; Aug. 9. Class 4.

National Cloak & Suit Co., New York, N. Y. Kitchen cabinets. 241,952; Aug. 9. Class 32.

NEA Service, Inc., Cleveland, Ohio. Comic strip. 246,702; Aug. 9. Class 38.

Nederland Bakery. (See Yentzen, George J.)

New Jersey Storage Battery Company. (See Staudt, Charles.)

New York Canners, Inc., Rochester, N. Y. Canned fruits and vegetables. 251,075; Aug. 9. Class 46.

Nipola Company, The. (See Sinykin, Arthur T.)

O'Connell, Charles S., Meriden, Conn. Golf balls. 230,565; Aug. 9. Class 22.

Oka Cleaner Manufacturing Company. (See Okamuro, Masataro.)

Okamuro, Masataro, doing business as Oka Cleaner Manufacturing Company, Los Angeles, Calif. Liquid cleaner for woodwork. 234,146; Aug. 9. Class 4.

Ollendorff, I., Co., Inc., New York, N. Y. Watches, clocks, and their cases and movements. 249,745; Aug. 9. Class 27.

Optical Products Corporation, New York, N. Y. Frames, rims, and nose pieces for eyeglasses. 250,319; Aug. 9. Class 26.

Orange Blossom Knitting Mills, Los Angeles, Calif. Neckties, dresses, scarfs, etc. 232,940; Aug. 9. Class 39.

Paas Dye Company, Newark, N. J. Dyes. 249,190; Aug 9. Class 6.

Paramount Distilled Water Co., New York, N. Y. Ginger ale and sirup for making the same. 250,093; Aug. 9. Class 45.

Parfums Dixor. (See Schoepfer, M.)

Patent Nail & Holder Factories. (See Honigbaum, Harry H.)

Patterson, Robert H., Atlanta, Ga. Soft drinks. 250,936; Aug. 9. Class 45.

Pawtucket Braided Line Company, Inc., Pawtucket, R. I. Fishing lines. 223,653; Aug. 9. Class 22.

Perry & Derrick Co., The, Dayton, Ohio. Enamel, paint, and ready-mixed paint. 249,746; Aug. 9. Class 16.

Phenix Cheese Corporation, New York, N. Y. Cheese. 234,051; Aug 9. Class 46.

Photomaton, Inc., New York, N. Y. Photographic sensitized plates, films, papers, cameras, lenses, and developing apparatus. 250,937; Aug. 9. Class 26.

Poland Soap Works, Anniston, Ala. Washing powder. 249,747; Aug. 9. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Cottonseed oils for cooking and for dressings, sauces, salad dressings, etc. 249,489; Aug. 9. Class 46.

Quinn, Evan V., Olean, N. Y. Ginger ale. 249,992; Aug. 9. Class 45.

Ralphs-Pugh Co., San Francisco, Calif. Coats, vests, trousers, etc. 246,931; Aug. 9. Class 39.

Renard, Carolyn. (See Fox, Carolyn G.)

Renware Pharmacal Co., Manchester, N. H. Antiseptic mouth wash and gargle. 251,244; Aug. 9. Class 6.

Rite Step Shoe Co., Inc., Brooklyn, N. Y. Shoes. 226,256; Aug. 9. Class 39.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Colored chambray. 229,985; Aug. 9. Class 42.

Rosebud Perfume Company. (See Smith, George F.)

Rubber Roofing Co., The. (See Honigbaum, Harry H.)

Rumford Chemical Works, Providence R. I. Chemical cleansing and burnishing compound for use on metallic sufaces. 248,980; Aug. 9. Class 6.

Russian Cement Company, Gloucester, Mass. Adhesive paste. 250,039; Aug. 9. Class 5.

Savory, Inc., Buffalo, N. Y. Electric fans. 244,960; Aug. 9. Class 21.

Savoy Watch Co., Inc., New York, N. Y. Watches, watchcases, etc. 249,100; Aug. 9. Class 27.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Grass and field seeds. 250,421; Aug. 9. Class 1.

Schlosser, Louis, doing business as L. Schlosser & Co., Chicago, Ill. Tablets of sugar and other ingredients used in the preparation of soft drinks. 249,196; Aug. 9. Class 45.

Schoepfer, M., doing business as Parfums Dixo, Paris, France. Toilet preparation in paste form. 248,063; Aug. 9. Class 6.

Seacoast Laboratories. (See Cadwallader, Wayne.)

Sinykin, Arthur T., doing business as The Nipola Company, St. Paul, Minn. Perfumes and perfumed hair tonics. 251,019; Aug. 9. Class 6.

Smith, George F., doing business as Rosebud Perfume Company, Woodsboro, Md. Preparation for the relief of colds, croup, etc. 250,268; Aug. 9. Class 6.

Smith McCord Townsend Dry Goods Company, Kansas City, Mo. Silk fabrics. 251,460; Aug. 9. Class 42.

Société Anonyme des Usines Renault, Billancourt, France. Automobiles and constructive parts thereof and aeroplanes and parts thereof. 222,961; Aug. 9. Class 19.

Societe Vinicole de Champagne, Paris, France. Champagne wine. 249,301; Aug. 9. Class 47.

Staudt, Charles, doing business as New Jersey Storage Battery Company, Union City, N. J. Storage batteries. 250,331; Aug. 9. Class 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Sterilized Beverage Manufacturing Co., Inc., Philadelphia, Pa. Beverage sold as a soft drink. 249,446; Aug. 9. Class 45.
Tawney, Everett F., Winona, Minn. Perfume. 251,155; Aug. 9. Class 6.
Tom-A-Hawk Farms. (See Harmon, Frank S.)
Trav-Ler Manufacturing Corporation, Chicago, Ill. Radio receiving sets and loop aerials. 248,207; Aug. 9. Class 21.
Trivisone, Louis M., doing business as Independent Oil & Chemical Company, Port Richmond, N. Y. Insect exterminator. 248,067; Aug. 9. Class 6.
20th Century Manufacturing Co., Midlothian, Tex. Lace-on type blow-out boot or patch for use in automobile tires. 246,786; Aug. 9. Class 35.
Union Oil Company of California, Los Angeles, Calif. Lubricating oils and greases. 249,140; Aug. 9. Class 15.
United Confectionery Co., St. Louis, Mo. Candy. 239,389; Aug. 9. Class 46.
Universal Mills, Fort Worth, Tex. Scratch feed and egg mash for poultry. 251,367; Aug. 9. Class 46.
Vestal Chemical Co., St. Louis, Mo. Liquid soap. 251,094; Aug. 9. Class 4.
Vetterlein Cigar Company, Pennsburg, Pa. Cigars, cigarettes, etc. 245,121. Aug. 9. Class 17.
Wachlin, A. B., Fairfield, Me. Potatoes in their natural state. 249,205; Aug. 9. Class 46.
Wahl, John, Chicago, Ill. Liniment. 249,622; Aug. 9. Class 6.
White, Albert A., doing business as White Brothers, Long Beach, Calif. Furniture polish, automobile polish, and paint remover. 247,233; Aug. 9. Class 16.
White & Hodges, Everett, Mass. Oils for treating leather. 250,949; Aug. 9. Class 4.
White, Morris, Inc., New York, N. Y. Purses, wallets, etc. 250,281; Aug. 9. Class 3.
Williams and Company, Inc., Pittsburgh, Pa. Welding wire adapted to be deposited on a metal article in the process of welding. 249,687; Aug. 9. Class 14.
Woods, J. R., & Sons, New York, N. Y. Finger rings. 250,336; Aug. 9. Class 28.
Yentzen, George J., doing business as Nederland Bakery, Nederland, Tex. Bread. 249,456; Aug. 9. Class 46.
Yucaipa Valley Fruit Co., Yucaipa, Calif. Canned fruits and vegetables, dried or dehydrated fruits and vegetabls, fresh vegetables, fresh fruits, and preserves. 250,882; Aug. 9. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 3.

Bags and frames, Hand. Ajay Frame & Bag Company. 231,038; Aug. 9; Serial No. 242,977; published May 17, 1927.
Bags and men's pocketbooks, Ladies' hand. T. Gallert. 230,927; Aug. 9; Serial No. 244,822; published May 24, 1927.
Bags, Hand. Stone & Gropper, Inc. 230,942; Aug. 9; Serial No. 247,149; published May 24, 1927.
Cases, Brief. Washington Jewelry Company. 230,976; Aug. 9; Serial No. 246,188; published May 17, 1927.
Cases, Violin. Carl Fischer, Inc. 230,955; Aug. 9; Serial No. 246,945; published May 24, 1927.
Cases, Violin. Peates Music House, Incorporated. 230,974; Aug 9; Serial No. 246,360; published May 17, 1927.
Horse collars. Jim Dandy Collar Company. 230,868; Aug. 9; Serial No. 235,928; published May 17, 1927.
Purses and hand bags, Ladies'. J. C. Penney Company. 230,945; Aug. 9; Serial No. 246,979; published May 17, 1927.
Purses, hand bags, muff bags, and pocketbooks. E. Jellinek. 230,968; Aug. 9; Serial No. 246,958; published May 17, 1927.
Suitcases, Wardrobe. Hartmann Trunk Company. 231,081; Aug. 9; Serial No. 245,842; published May 17, 1927.

CLASS 4.

Abrasive, polishing, and finishing wheel. J. C. Craven. 230,915; Aug. 9; Serial No. 245,426; published May 24, 1927.
Chemical compound for cleaning grease and spots from clothing and cloth. Monroe Chemical Co. 230,875; Aug. 9; Serial No. 244,946; published May 17, 1927.
Cleaner, Cloth, metal-goods, and paper. H. F. Krug. 230,997; Aug. 9; Serial No. 229,183; published May 24, 1927.
Cleaning fluid. Hercules Gasoline Co. 230,904; Aug. 9; Serial No. 244,155; published May 24, 1927.
Cleaning fluids. W. B. Beuckman. 231,126; Aug. 9.
Cleaning preparation, Liquid. L. Heineman. 231,003; Aug. 9; Serial No. 228,107; published May 24, 1927.
Cleansing and polishing compounds and detergents. Standard Oil Company (New Jersey). 230,989; Aug. 9; Serial No. 230,808; published May 24, 1927.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 230,891; Aug. 9; Serial No. 232,365; published May 24, 1927.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 230,981; Aug. 9; Serial No. 232,361; published May 24, 1927.
Cleansing compounds and detergents. Standard Oil Company (New Jersey). 230,982; Aug. 9; Serial No. 232,363; published May 24, 1927.
Dry cleaner and spot remover. L. Steckler. 230,959; Aug. 9; Serial No. 246,643; published May 24, 1927.
Fluid for correcting the gripping capacity of friction brakes. F. Koon. 231,005; Aug. 9; Serial No. 228,856; published May 17, 1927.
Polish. Argosy Manufacturing Company. 230,921; Aug. 9; Serial No. 242,942; published May 17, 1927.
Polish, Metal. D. D. Thomas. 230,878; Aug. 9; Serial No. 245,035; published May 17, 1927.
Polishing paste, liquid polish, etc. Werner & Mertz Aktiengesellschaft. 230,987; Aug. 9; Serial No. 227,817; published May 17, 1927.
Preparation for shaving. International Chemical Co. 230,882; Aug. 9; Serial No. 231,044; published Jan. 25, 1927.
Soap. Colgate & Company. 231,010; Aug. 9; Serial No. 245,782; published May 24, 1927.
Soap. Lloyd Brothers, Pharmacists, Inc. 231,060; Aug. 9; Serial No. 246,100; published May 24, 1927.
Soaps. John Wanamaker Philadelphia. 230,861; Aug. 9; Serial No. 187,234; published Dec. 25, 1923.

CLASS 6.

Medicines. Denver Pharmaceutical Mfg. Co. 230,850; Aug. 9; Serial No. 227,722; published June 1, 1926.
Nonfreeze compound. "AkernE" Manufacturing Company. 231,048; Aug. 9; Serial No. 243,519; published May 24, 1927.
Soot cleaner. F. D. Shepard. 230,902; Aug. 9; Serial No. 244,188; published May 24, 1927.

CLASS 10.

Fertilizers. International Agricultural Corporation. 231,120; Aug. 9.

CLASS 14.

Steel bars, Hot-rolled and cold-finished. Jones & Laughlin Steel Corporation. 230,894; Aug. 9; Serial No. 235,930; published May 24, 1927.

CLASS 15.

Oils and greases. Primary Oil Company. 231,012; Aug. 9; Serial No. 245,862; published May 24, 1927.

CLASS 16.

Lacquers. Newark Varnish Works, Inc. 230,965; Aug. 9; Serial No. 246,307; published May 24, 1927.
Lacquers. Newark Varnish Works, Inc. 230,966; Aug. 9; Serial No. 246,306; published May 24, 1927.
Paint. Stewart Paint Mfg. Co. 230,961; Aug. 9; Serial No. 246,446; published May 24, 1927.
Paint, Asphalt roof. Continental Roofing & Manufacturing Co. 230,905; Aug. 9; Serial No. 244,048; published May 24, 1927.
Paints, M. Sawyer. 230,889; Aug. 9; Serial No. 241,904; published May 24, 1927.
Paints, varnishes, and paint enamels, Dry, paste, or ready-mixed. Harpic Manufacturing Company. 230,964; Aug. 9; Serial No. 246,345; published May 24, 1927.
Polishing materials. Welt-Wachs-Werk Egbert Günther Söhne. 231,006; Aug. 9; Serial No. 245,674; published May 24, 1927.

CLASS 20.

Oilcloth. American Wholesale Corporation (Baltimore Bargain House). 231,111; Aug. 9.

CLASS 21.

Batteries, dry cells, electric motors, Storage. K. C. B. Eletric Mfg. Co. 230,851; Aug. 9; Serial No. 228,111; published May 10, 1927.
Batteries, radio receiving sets, and parts thereof. Kaufmann Department Stores, Inc. 231,001; Aug. 9; Serial No. 223,909; published May 10, 1927.
Chargers, Trickle. Hartford Battery Mfg. Co. 231,062; Aug. 9; Serial No. 246,153; published May 17, 1927.
Circuit breakers, air-break switches, fuse tubes, choke coils, etc., Oil. Pacific Electric Manufacturing Co. 231,061; Aug. 9; Serial No. 246,114; published May 17, 1927.
Commutator brushes. Henrite Products Co. 230,874; Aug. 9; Serial No. 244,934; published Apr. 26, 1927.

Distributer plates and gears, brush holders, distributor brushes and springs, connecting bars, dust covers, etc. Guaranteed Parts Co. 230,926; Aug. 9; Serial No. 244,769; published Apr. 26, 1927.
Droplights, lighting and ignition cables, etc., Portable. L. A. Harris. 230,843; Aug. 9; Serial No. 244,865; published Apr. 26, 1927.
Electric circuits, Stabilizers for. Electrad, Inc. 231,039; Aug. 9; Serial No. 242,989; published May 3, 1927.
Electric egg cookers, air heaters, and adjustable lamps. Magnavox Company. 231,018; Aug. 9; Serial No. 246,028; published May 17, 1927.
Electric-lighting fixtures and stands, lamps, and parts thereof, Permanent and portable. Silvergio Lamps, Inc. 231,032; Aug. 9; Serial No. 242,507; published May 10, 1927.
Electric motors. United States Electrical Manufacturing Company. 230,871; Aug. 9; Serial No. 244,638; published May 3, 1927.
Electrical apparatus. Pacent Electric Company. 230,919; Aug. 9; Serial No. 242,739; published May 10, 1927.
Electrical apparatus. Pacent Electric Company. 230,983; Aug. 9; Serial No. 242,738; published May 10, 1927.
Electrical apparatus. Pacent Electric Company. 231,024; Aug. 9; Serial No. 239,865; published May 10, 1927.
Electrical resistances. Aerovox Wireless Corporation. 230,854; Aug. 9; Serial No. 244,532; published May 3, 1927.
Elevators and parts thereof, etc. Norton-Blair-Douglass, Inc. 230,892; Aug. 9; Serial No. 234,591; published May 3, 1927.
Filters and battery eliminators. Abox Company. 230,990; Aug. 9; Serial No. 241,850; published Apr. 26, 1927.
Headlights and reflectors therefor, Electric. Indiana Lamp Corporation. 230,991; Aug. 9; Serial No. 241,286; published May 17, 1927.
Heaters, Electric air and water. Electric Sales Service Company. 230,881; Aug. 9; Serial No. 229,507; published Apr. 26, 1927.
Insulating tapes, varnished cloth, papers, varnished papers, etc. Standard Insulation Company. 231,047; Aug. 9; Serial No. 243,396; published Apr. 26, 1927.
Insulator knobs, Porcelain. General Porcelain Company. 231,101; Aug. 9; Serial No. 245,626; published May 24, 1927.
Lamps, Electric. Art Craft Fixture Co. 230,900; Aug. 9; Serial No. 244,487; published Apr. 26, 1927.
Lamps, Shade holders for electric. Markel Electric Products, Inc. 230,879; Aug. 9; Serial No. 245,068; published Apr. 26, 1927.
Lightning arresters. M. M. Fleron & Son, Inc. 231,014; Aug. 9; Serial No. 245,974; published May 17, 1927.
Lightning arresters. M. M. Fleron & Son, Inc. 231,015; Aug. 9; Serial No. 245,976; published May 17, 1927.
Lightning arresters. M. M. Fleron & Son, Inc. 231,085; Aug. 9; Serial No. 245,977; published May 17, 1927.
Loud speaker units. Blood Tone Arm Company. 230,980; Aug. 9; Serial No. 230,011; published May 17, 1927.
Phonographs, Attachment or accessory for. M. Weil. 230,864; Aug. 9; Serial No. 209,448; published May 10, 1927.
Pictures, Apparatuses, machines, etc., for television and electrical transmission of. Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. 231,026; Aug. 9; Serial No. 240,573; published May 3, 1927.
Radio apparatus and parts. King Quality Products, Inc. 231,002; Aug. 9; Serial No. 214,083; published Apr. 26, 1927.
Radiodials, radio loud speakers, radio receiving sets, etc. Jewett Radio & Phonograph Co. 230,994; Aug. 9; Serial No. 208,407; published Apr. 26, 1927.
Radio equipment. F. W. Morse. 230,862; Aug. 9; Serial No. 202,134; published May 3, 1927.
Radio inductance coils. V. V. Roe. 230,877; Aug. 9; Serial No. 245,080; published May 10, 1927.
Radio loud speakers. H. G. Saal Company. 230,922; Aug. 9; Serial No. 243,116; published Apr. 26, 1927.
Radio receiving and sending sets, transformers, etc. E. Bruder. 230,898; Aug. 9; Serial No. 244,600; published May 3, 1927.
Radio receiving sets and parts thereof. Electrical Research Laboratories. 230,853–6; Aug. 9; Serial Nos. 244,675–6; published May 10, 1927.
Radio receiving sets and parts thereof. Electrical Research Laboratories. 230,925; Aug. 9; Serial No. 244,674; published May 10, 1927.
Signals for automobiles, etc., Sound. Delco-Remy Corporation. 230,876; Aug. 9; Serial No. 244,996; published Apr. 26, 1927.
Spark plugs. Motometer Company. 230,880; Aug. 9; Serial No. 245,157; published May 10, 1927.
Spark timers. Toledo Timer Co. 231,104; Aug. 9; Serial No. 245,670; published May 17, 1927.
Spark timers for internal-combustion motors. Toledo Timer Co. 231,076; Aug. 9; Serial No. 245,671; published May 17, 1927.
Stone for electrical insulation, etc., Artificial. Deceleco, Inc. 230,848; Aug. 9; Serial No. 244,992; published May 10, 1927.
Stoves, plates, and ranges, Electric. Geo. D. Roper Corporation. 230,846; Aug. 9; Serial No. 244,887; published May 10, 1927.

CLASS 23.

Pulleys, gears, etc. Compressed Spruce Products Company. 231,115; Aug. 9.

CLASS 37.

Cards and forms for indexes, index guide cards, etc., Blank and partially-printed. Rand Kardex Bureau, Inc. 230,958; Aug. 9; Serial No. 246,709; published May 17, 1927.
Mounts for X-ray negatives. I. S. Berger. 230,924; Aug. 9; Serial No. 243,921; published May 17, 1927.
Paper, Blotting. Eaton-Dikeman Co. 230,988; Aug. 9; Serial No. 227,578; published May 17, 1927.
Paper, Gray kraft. Diem & Wing Paper Co. 231,116; Aug. 9.
Paper napkins. Groff Paper Company. 230,950; Aug. 9; Serial No. 247,018; published May 17, 1927.
Paper, Tympan. Cromwell Paper Co. 230,923; Aug. 9; Serial No. 243,593; published May 17, 1927.
Paper weights, propelling pencils, etc. Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. 230,893; Aug. 9; Serial No. 234,849; published May 24, 1927.
Paper, Writing and printing. American Writing Paper Company. 230,948; Aug. 9; Serial No. 247,113; published May 17, 1927.
Pencils, leads, crayons, etc., Lead. J. S. Staedtler, Inc. 231,064; Aug. 9; Serial No. 246,234; published May 17, 1927.
Printed forms. Bankers Printing Company. 230,993; Aug. 9; Serial No. 240,037; published May 17, 1927.
Tape, Gummed. Mid-States Gummed Paper Company. 230,887; Aug. 9; Serial No. 242,544; published May 17, 1927.
Tissue, Toilet. National Paper Products Company. 231,007; Aug. 9; Serial No. 245,745; published May 17, 1927.

CLASS 38.

Books, Printed. Foundation Press, Inc. 231,065; Aug. 9; Serial No. 246,276; published May 17, 1927.
Charts, Printed rug.. Amazon Knitting Company. 230,914; Aug. 9; Serial No. 245,337; published May 24, 1927.
Comic strip. NEA Service, Inc. 230,943; Aug. 9; Serial No. 247,093; published May 24, 1927.
Lessons, Correspondence. Coyne Trade & Engineering School. 230,860; Aug. 9; Serial No. 186,829; published Jan. 15, 1924.
Magazine. A. R. Aarnham. 230,951; Aug. 9; Serial No. 246,903; published May 24, 1927.
Magazine. Consrad Co. 231,105; Aug. 9; Serial No. 245,695; published May 17, 1927.
Magazine. C. L. Harry. 230,928; Aug. 9; Serial No. 247,734; published May 24, 1927.
Magazine, International Geneva Association, Inc. 230,976; Aug. 9; Serial No. 245,493; published May 24, 1927.
Magazine. Macfadden Publications Incorporated. 230,939; Aug. 9; Serial No. 247,192; published May 24, 1927.
Magazine. Retail Lumberman Publishing Co. 230,949; Aug. 9; Serial No. 247,040; published May 24, 1927.
Magazine. Walters Rubber Co. Inc. 230,901; Aug. 9; Serial No. 244,257; published May 17, 1927.
Magazine. D. T. Wright. 230,952; Aug. 9; Serial No. 246,988; published May 24, 1927.
Magazines, books, and newspaper columns. M. F. Judell. 231,096; Aug. 9; Serial No. 245,398; published May 17, 1924.
Newspaper and magazine articles, books, and pamphlets, Nom de plume for. F. Marquis. 231,011; Aug. 9; Serial No. 245,848; published May 17, 1927.
Nom de plume for newspaper sections, etc. V. T. Redman. 230,931; Aug. 9; Serial No. 247,495; published May 24, 1927.
Periodical. American Physical Education Association. 230,941; Aug. 9; Serial No. 247,158; published May 24, 1927.
Periodical. Outlook Company. 230,932; Aug. 9; Serial No. 247,490; published May 24, 1927.
Periodicals. Building and Realty News, Inc. 230,940; Aug. 9; Serial No. 247,166; published May 24, 1927.
Printed advertising signs. D. Bader. 231,004; Aug. 9; Serial No. 209,078; published May 24, 1927.
Printed lessons and examination sheets. Brief English Systems, Inc. 231,118; Aug. 9.
Prints, Photographic. Photomaton, Inc. 230,962–3; Aug. 9; Serial Nos. 246,362–3; published May 24, 1927.
Publication. Acme Brick Compsny. 231,013; Aug. 9; Serial No. 245,948; published May 17, 1927.
Publication. A. L. Scott. 231,009; Aug. 9; Serial No. 245,754; published May 24, 1927.
Publication. Your Garden Publishing Company. 230,956; Aug. 9; Serial No. 246,944; published May 24, 1927.
Publication or magazine. A. I. Norton. 230,957; Aug. 9; Serial No. 246,924; published May 17, 1927.
Publication, Section of a periodical. Chain Store Publishing Corporation. 230,920; Aug. 9; Serial No. 242,818; published May 17, 1927.

Publications. Beardsley & Piper Company. 230,937; Aug. 9; Serial No. 247,246; published May 24, 1927.
Publications. C. P. Carter. 231,019; Aug. 9; Serial No. 246,073; published May 17, 1927.
Publications. Yale University Press, Inc. 230,944; Aug. 9; Serial No. 247,052; published May 24, 1927.
Tribune, Poultry. Poultry Tribune Company. 230,938; Aug. 9; Serial No. 247,209; published May 24, 1927.

CLASS 39.

Bandeaux. M. Sekey. 231,023; Aug. 9; Serial No. 239,201; published May 10, 1927.
Blouses and dress shirts, Boys'. Every Buddy Blouse Co. 231,045; Aug. 9; Serial No. 243,355; published May 10, 1927.
Boots and shoes. Simon Collier, Limited. 231,106; Aug. 9.
Boots and shoes. W. Y. Miller. 230,885; Aug. 9; Serial No. 233,214; published May 3, 1927.
Boots and shoes. L. Q. White Shoe Company. 231,092; Aug. 9; Serial No. 241,757; published May 3, 1927.
Boots, shoes, sandals, moccasins, and bath slippers. Chaussures Baily Société Anonyme de Fabrication. 231,070; Aug. 9; Serial No. 245,472; published May 10, 1927.
Boots, shoes, slippers, and rubbers. Markoff Brothers. 230,970; Aug. 9; Serial No. 246,695; published May 17, 1927.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 231,133–14; Aug. 9.
Collars and shirts. Hall, Hartwell & Co. Inc. 231,074; Aug. 9; Serial No. 245,554; published May 10, 1927.
Collars and shirts. Hall, Hartwell & Co. Inc. 231,075; Aug. 9; Serial No. 245,635; published May 10, 1927.
Collars, pyjamas, night robes, etc. H. Berger. 230,863; Aug. 9; Serial No. 206,052; published May 3, 1927.
Cravats, four-in-hand ties, bow ties, and neckties. Advance Neckwear Co. 231,083; Aug. 9; Serial No. 245,950; published May 10, 1927.
Dresses, hats, caps, scarfs, etc. Belg Art, Incorporated. 230,848; Aug. 9; Serial No. 244,974; published May 3, 1927.
Dresses, Infants'. Monsheimer & Jacobs. 231,058; Aug. 9; Serial No. 244,460; published May 10, 1927.
Garment, Sleeping. M. Seymour. 231,090; Aug. 9; Serial No. 241,640; published May 3, 1927.
Garments, Women's. Natures Rival Co. 231,125; Aug. 9.
Gloves. Gates, Mills & Driscoll, Inc. 231,123; Aug. 9.
Gloves, Cloth. Grewen Fabric Company. 230,971; Aug. 9; Serial No. 246,547; published May 17, 1927.
Gloves, mittens, and gauntlets. M. B. Hamilton & Co. 231,134; Aug. 9; Serial No. 242,664; published May 10, 1927.
Hats. Bates Thompson, Inc. 231,043; Aug. 9; Serial No. 243,340; published May 3, 1927.
Hats. Turchin Bros. 231,109; Aug. 9.
Hats and caps. C. T. Hall & Co. 231,073; Aug. 9; Serial No. 245,550; published May 17, 1927.
Hats and caps. New York Mercantile Co. 231,110; Aug. 9.
Hats and caps. N. Y. Mfg. Corp. 231,119; Aug. 9.
Hats and dresses. B. Sinclair. 230,850; Aug. 9; Serial No. 244,726; published May 3, 1927.
Hats for men and boys. Kaufman Hats Inc. 231,041; Aug. 9; Serial No. 243,159; published May 10, 1927.
Hats, Ladies'. Original Hat Works. 231,050; Aug. 9; Serial No. 243,774; published May 3, 1927.
Hats, Ladies'. Staadecker & Company. 231,069; Aug. 9; Serial No. 245,412; published May 17, 1927.
Hats, Men's. Dalton Hat Co. Inc. 231,066–7; Aug. 9; Serial Nos. 245,083–4; published May 10, 1927.
Hats, Women's. Joseph H. Rubinow, Inc. 231,033; Aug. 9; Serial No. 242,549; published May 3, 1927.
Hosiery. Bear Brand Hosiery Co. 231,079; Aug. 9; Serial No. 245,777; published May 10, 1927.
Hosiery. Hudson Silk Hosiery Co. 231,030; Aug. 9; Serial No. 242,058; published May 10, 1927.
Hosiery. J. S. Lerner. 231,046; Aug. 9; Serial No. 243,378; published May 3, 1927.
Hosiery. McDermott & Short. 231,080; Aug. 9; Serial No. 245,797; published May 10, 1927.
Hosiery, dresses, shawls, etc. Paulo Silk Company. 230,858; Aug. 9; Serial No. 244,716; published May 3, 1927.
Hosiery, underwear, sweaters, etc. M. Brody. 231,044; Aug. 9; Serial No. 243,342; published May 3, 1927.
Knickerbockers and riding breeches. Sam Rosenbaum & Sons Company. 231,029; Aug. 9; Serial No. 241,069; published May 10, 1927.
Neckties. Waerbeter Necktie Corporation. 231,128; Aug. 9.
Nightgowns, pyjamas, etc. Liberty Manufacturing Co. 231,055–6; Aug. 9; Serial Nos. 244,407–8; published May 3, 1927.
Overalls, overall union suits, shirts, and pants. Bellmore Manufacturing Company. 231,054; Aug. 9; Serial No. 244,346; published May 10, 1927.
Overcoats, raincoats, smoking jackets, golf suits, etc. Heidelberg, Wolff & Co. 231,035; Aug. 9; Serial No. 242,668; published May 3, 1927.
Shirts. N. E. Berriman. 231,124; Aug. 9.
Shirts. Carson Pirie Scott & Co. 231,107; Aug. 9.
Shirts and blouses, dresses, and aprons. Lambert Bewkes Co. 230,884; Aug. 9; Serial No. 231,487; published June 22, 1926.
Shirts, overalls, blouses, trousers, etc. Schwartz & Zuckerman. 231,078; Aug. 9; Serial No. 245,753; published May 17, 1927.
Shirts, undershirts, hosiery, etc. Boyd-Richardson Company. 231,057; Aug. 9; Serial No. 244,490; published May 3, 1927.
Shirts, Work. Daniel Miller Company. 231,021; Aug. 9; Serial No. 239,024; published Jan. 11, 1927.
Shoes. Brown Shoe Company. 231,031; Aug. 9; Serial No. 242,275; published May 3, 1927.
Shoes. P. Hagerty Shoe Company. 231,049; Aug. 9; Serial No. 243,758; published May 3, 1927.
Shoes. S. Liberman. 231,040; Aug. 9; Serial No. 243,004; published May 17, 1927.
Shoes and boots. Cerf & Bielschowsky. 231,052; Aug. 9; Serial No. 243,997; published May 17, 1927.
Shoes and slippers. I. Miller and Sons Incorporated. 230,845; Aug. 9; Serial No. 244,879; published May 10, 1927.
Shoes, Bathing. I. B. Kleinert Rubber Company. 230,975; Aug. 9; Serial No. 246,291; published May 17, 1927.
Shoes, Leather. Stone-Tarlow Co. Inc. 231,072; Aug. 9; Serial No. 245,523; published May 3, 1927.
Stockings. Rufus W. Scott Company. 230,886; Aug. 9; Serial No. 235,236; published May 31, 1927.
Stockings. William F. Taubel, Incorporated. 231,028; Aug. 9; Serial No. 240,887; published May 10, 1927.
Stockings and socks. L. Colman. 230,847; Aug. 9; Serial No. 244,916; published May 3, 1927.
Suits. L. Kupferman & Co. 231,025; Aug. 9; Serial No. 240,266; published May 3, 1927.
Suits and overcoats. Meier & Frank Company. 231,095; Aug. 9; Serial No. 242,016; published May 3, 1927.
Suits, blouses, and pants; aprons, bonnets, dresses, etc., Boys'. Juvenile Mfg. Co. 230,969; Aug. 9; Serial No. 246,910; published May 17, 1927.
Suits, Men's. Graff Company. 231,042; Aug. 9; Serial No. 243,267; published May 10, 1927.
Suits, overcoats, and topcoats. S. Patrowich. 231,093; Aug. 9; Serial No. 241,899; published May 3, 1927.
Suits, topcoats, overcoats, and reefers. Peksbury Clothing Corp. 231,121; Aug. 9.
Suits, trousers, hats, etc. Alexander & Oviatt. 231,122; Aug. 9.
Suspenders. Hewes & Potter. 230,967; Aug. 9; Serial No. 245,984; published May 17, 1927.
Sweatbands for headgear. George Brunssen Company. 230,857; Aug. 9; Serial No. 244,688; published May 3, 1927.
Sweaters and jackets, Knitted. Green-Haas-Schwartz Company. 231,071; Aug. 9; Serial No. 245,483; published May 10, 1927.
Sweaters, sweater coats, sport coats, jackets, etc., Knitted. Highland Shaker Sweater Co. 231,068; Aug. 9; Serial No. 245,396; published May 17, 1927.
Undershirts, union suits, bloomers, etc., Knitted and woven. Morray and Sons Company. 231,051; Aug. 9; Serial No. 245,396; published May 17, 1927.
Underwear. Marshall Field & Company. 231,112; Aug. 9.
Underwear. Royal Manufacturing Company. 231,129; Aug. 9.
Underwear and nightwear, Ladies' Lingerie Co. 230,844; Aug. 9; Serial No. 244,874; published May 3, 1927.
Underwear, Babies' and children's silk and woven. Rosalind Underwear Co. Inc. 231,091; Aug. 9; Serial No. 241,681; published May 3, 1927.
Uniforms, Military. A. S. Uniform Mfg. Co. 231,130; Aug. 9.
Union suits, undershirts, and drawers, Varsity Underwear Company. 231,020; Aug. 9; Serial No. 237,102; published May 3, 1927.

CLASS 40.

Belt trimmings and buckles, etc. North & Judd Manufacturing Company. 231,036; Aug. 9; Serial No. 242,846; published May 24, 1927.
Belt trimmings and buckles, etc. North & Judd Manufacturing Company. 231,037; Aug. 9; Serial No. 242,847; published May 24, 1927.
Braids, shoe laces, and hatbands. H. Fawcett. 231,086–8; Aug. 9; Serial Nos. 241,207–9; published May 3, 1927.
Linen pieces, hair curlers, etc., Art. Palais Royal, Inc. 231,053; Aug. 9; Serial No. 244,101; published May 10, 1927.
Pin fasteners. United States Fastener Company. 231,082; Aug. 9; Serial No. 245,873; published May 24, 1927.
Pins, buckles, etc. William Prym Company. 230,883; Aug. 9; Serial No. 231,341; published May 3, 1927.
Snap fasteners. J. C. Penney Company. 230,978; Aug. 9; Serial No. 246,361; published May 24, 1927.
Snap fasteners and shoe slide fasteners, Shoe. Waldes Koh-I-Noor, Inc. 230,972; Aug. 9; Serial No. 246,373; published May 10, 1927.

CLASS 42.

Blankets. American Retailers Association Inc. 230,978; Aug. 9; Serial No. 229,426; published May 24, 1927.

Blankets, bedspreads, and comfortables. Jordan Marsh Company. 230,995; Aug. 9; Serial No. 134,206; published May 24, 1927.
Carpets. Associated Carpet Company. 231,108; Aug. 9.
Handkerchiefs. M. S. Tennent. 231,127; Aug. 9.

CLASS 44.

Antiseptic fabric. Scholl Mfg. Co. Inc. 231,008; Aug. 9; Serial No. 245,752; published May 24, 1927.

CLASS 46.

Alimentary paste products. Tharinger Macaroni Company. 230,896–7; Aug. 9; Serial Nos. 239,491–2; published May 17, 1927.
Alimentary paste products. Tharinger Macaroni Company. 230,985; Aug. 9; Serial No. 239,495; published May 17, 1927.
Alimentary paste products. Tharinger Macaroni Company. 230,986; Aug. 9; Serial No. 239,493; published May 17, 1927.
Alimentary pastes. Neighbor Products Co. 230,953; Aug. 9; Serial No. 246,973; published May 17, 1927.
Alimentary pastes. Neighbor Products Co. 230,954; Aug. 9; Serial No. 246,971; published May 24, 1927.
Bread, cake, buns, and crullers. Schmidt Baking Company. 231,027; Aug. 9; Serial No. 240,882; published May 24, 1927.
Butter. Ever Fresh Butter Corporation. 230,933; Aug. 9; Serial No. 247,420; published May 24, 1927.
Butter. West Liberty Cooperative Creamery Company. 230,930; Aug. 9; Serial No. 247,598; published May 24, 1927.
Buttermilk animal food, Condensed cultured. R. E. Barnett. 231,117; Aug. 9.
Cake. Capeway Bakery Inc. 230,852; Aug. 9; Serial No. 228,409; published May 24, 1927.
Cakes and cookies. Grennan Bakeries, Inc. 231,077; Aug. 9; Serial No. 245,712; published May 17, 1927.
Canned and bottled vegetables, etc. J. M. Paver Company. 231,102; Aug. 9; Serial No. 245,654; published May 17, 1927.
Canned corn. Sussman, Wormser & Co. 231,094; Aug. 9; Serial No. 241,910; published Feb. 22, 1927.
Canned fruits and vegetables, coffee, spices, etc. Illinois Canning Co. 230,873; Aug. 9; Serial No. 244,827; published May 10, 1927.
Canned fruits and vegetables, spices, soups, butter, etc. Garofalo Brothers. 230,888; Aug. 9; Serial No. 241,995; published May 10, 1927.
Canned fruits, vegetables, and tomato puree. A. Krasne. 230,872; Aug. 9; Serial No. 244,778; published May 10, 1927.
Canned fruits, vegetables, fish, and shellfish. A. Krasne. 230,899; Aug. 9; Serial No. 244,561; published May 10, 1927.
Canned soup, seasoning, etc. L. G. Osborn. 230,992; Aug. 9; Serial No. 240,923; published May 24, 1927.
Canned vegetables and fruits, dried vegetables, jellies, pickles, etc. Illinois Canning Co. 230,890; Aug. 9; Serial No. 244,826; published May 17, 1927.
Cheese. Emmental Cheese Corporation. 231,084; Aug. 9; Serial No. 245,962; published May 17, 1927.
Chili peppers, Ground. Chili Products Corporation. 230,909; Aug. 9; Serial No. 245,251; published May 24, 1927.
Chili peppers, Ground. Chili Products Corporation. 230,911; Aug. 9; Serial No. 245,253; published May 24, 1927.
Chili peppers, Ground. Chili Products Corporation. 230,913; Aug. 9; Serial No. 245,255; published May 24, 1927.
Chili powder. Chili Products Corporation. 230,910; Aug. 9; Serial No. 245,252; published May 17, 1927.
Chili powder. Chili Products Corporation. 230,912; Aug. 9; Serial No. 245,254; published May 17, 1927.
Chocolate-flavored egg malted milk. Thompson's Malted Food Company. 230,960; Aug. 9; Serial No. 246,513; published May 17, 1927.
Cocoa, chocolate, nougat, nuts of every kind, and preparations of these, etc. Sarotti Aktiengesellschaft. 230,996; Aug. 9; Serial No. 242,625; published May 17, 1927.
Coffee, celery salt, grape jelly, etc. American Stores Company. 230,906; Aug. 9; Serial No. 220,832; published May 10, 1927.
Cream. L. S. Raskas. 231,103; Aug. 9; Serial No. 245,656; published May 17, 1927.
Dairy products. H. H. Fegely. 230,853; Aug. 9; Serial No. 228,690; published May 24, 1927.
Eggs. Independence Produce Company. 230,929; Aug. 9; Serial No. 247,538; published May 24, 1927.
Eggs. Independence Produce Company. 230,946; Aug. 9; Serial No. 246,957; published May 17, 1927.
Extracts, Food-flavoring. Certified Extracts Inc. 230,998; Aug. 9; Serial No. 225,399; published May 10, 1927.
Extracts, Malt-sirup. Tag-Hart Malt Products Co. 230,867; Aug. 9; Serial No. 224,300; published Apr. 20 1926.
Feed product, Self-preserving. W. Greick. 231,022; Aug. 9; Serial No. 239,105; published Feb. 22, 1927.
Feeds, Stock and poultry. Kansas Flour Mills Corporation. 230,935; Aug. 9; Serial No. 247,321; published May 24, 1927.
Flour, Wheat. Flour Distributing Co. 230,977; Aug. 9; Serial No. 246,021; published May 24, 1927.
Flour, Wheat. Flour Distributing Co. 231,016; Aug. 9; Serial No. 246,022; published May 24, 1927.
Flour, Wheat. Holt & Company. 231,017; Aug. 9; Serial No. 246,027; published May 24, 1927.
Flour, Wheat. Kansas Milling Company. 231,059; Aug. 9; Serial No. 243,218; published May 17, 1927.
Flour, Wheat. Samuel Knighton & Sons, Inc. 230,947; Aug. 9; Serial No. 246,294; published May 17, 1927.
Flour, Wheat. Larabee Flour Mills Company. 230,934; Aug. 9; Serial No. 247,332; published May 24, 1927.
Food, Mineral health. National Mineral Health Food Co. 230,979; Aug. 9; Serial No. 229,872; published May 17, 1927.
Foods, Dietetic. Chemische Fabrik "Promonta" Gesellschaft mit beschränkter Haftung. 230,999; Aug. 9; Serial No. 229,147; published May 1, 1927.
Ice cream. G. W. Elliott. 230,936; Aug. 9; Serial No. 247,267; published May 24, 1927.
Milk, cocoa, canned meats, condiments, etc., Evaporated. Pice-Zing Corporation. 231,000; Aug. 9; Serial No. 215,476; published May 17, 1927.
Milk, condensed. Mohawk Condensed Milk Company. 230,918; Aug. 9; Serial No. 246,302; published May 24, 1927.
Olives, fruits, vegetables, etc. E. G. Phoenix. 231,063; Aug. 9; Serial No. 246,222; published May 17, 1927.
Pickles, prepared mustard, catchup, chili sauce, etc. Budlong Pickle Co. 230,908; Aug. 9; Serial No. 245,249; published May 17, 1927.
Pickles, prepared mustard, chowchow. Budlong Pickle Co. 230,907; Aug. 9; Serial No. 245,248; published May 17, 1927.
Preserved and canned raisins and grapes. Sussman, Wormser & Co. 231,089; Aug. 9; Serial No. 241,451; published Feb. 15, 1927.
Raisins and grapes, Preserved and canned. Sussman Wormser & Co. 230,869–70; Aug. 9; Serial No. 241,450; published Feb. 15, 1927.
Salad dressing. Charles F. Mattlage & Sons, Inc. 230,984; Aug. 9; Serial No. 239,536; published May 17, 1927.
Sandwiches, chili, and hot tamales. Henry Leroy Lane and Fred Lee Bowles. 230,903; Aug. 9; Serial No. 244,159; published May 10, 1927.
Sirups, Cane-sugar. Godchaux Sugars, Inc. 230,917; Aug. 9; Serial No. 245,544; published May 10, 1927.
Sirups, Cane-sugar. Godchaux Sugars Inc. 231,097–8; Aug. 9; Serial Nos. 245,545–6; published May 10, 1927.
Sirups, Cane-sugar. Godchaux Sugars Inc. 231,099; Aug. 9; Serial No. 245,548; published May 10, 1927.
Sirups, Cane-sugar. Godchaux Sugars Inc. 231,100; Aug. 9; Serial No. 245,549; published May 17, 1927.
Wheat products. North Dakota Mill and Elevator Association. 230,865–6; Aug. 9; Serial Nos. 220,911–12; published May 17, 1927.

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Malt cereal beverages. McAvoy Company. 230,895; Aug. 9; Serial No. 237,241; published Apr. 12, 1927.

ALPHABETICAL LIST OF LABELS.

Abbotts Philadelphia Ice Cream. For Ice Cream. Abbotts Alderney Dairies, Inc. 32,530–1; Aug. 9.
Arctic. For Iceberg Lettuce. Cochran-Turney-Crispo, Inc. 32,536; Aug. 9.
Beetgrade. For Mayonnaise. California Condiment Company. 32,535; Aug. 9.
Blue Bell. For Brooms and Mops. Bell Broom & Brush Co. 32,532; Aug. 9.
Bridal Veil. For Lemons. Limoneira Company. 32,553; Aug. 9.
Cavalier Weavings. For Bed Coverlets. C. H. Dunster. 32,540; Aug. 9.
Chapmans' Choice Creamery Butter. For Butter. Menasha Printing and Carton Company. 32,560; Aug. 9
Cinderella Novelties. For Novelties. Wertheimer & Levy, Inc. 32,571; Aug. 9.
Collegiate Muffler & Tie Set. For a Muffler and Tie Set. United States Paper Box Co. 32,568; Aug. 9.
Crisp-O. For Cantaloupes. Cochran-Turney-Crispo, 32,537; Aug. 9.
Crisp-O. For Honeyball Melons. Cochran-Turney-Crispo, Inc. 32,538; Aug. 9.
Crisp-O. For Honeydew Melons. Cochran-Turney-Crispo, Inc. 32,539; Aug. 9.
Elfin. For Toilet Paper. Northern Paper Mills. 32,561; Aug. 9.
Elfskin Tissue. For Toilet Paper. Northern Paper Mills. 32,562; Aug. 9.

Exclusive Design. For Necktles. United States Paper Box Co. 32,569; Aug. 9.
Good Butter. For Butter. Lange Creamery Inc. 32,552; Aug. 9.
Greetings. For Necktles. United States Paper Box Co. 32,570; Aug. 9.
Loma. For Lemons. Limoneira Company. 32,554; Aug. 9.
Maternex. For a Tonic for Building Up of the Reproductive Organs. Maternex Mf'g. Chemists. 32,558; Aug. 9.
Mountain Boy. For Apples. Yucaipa Valley Fruit Co. 32,572; Aug. 9.
Pale Dry Ginger Ale. For Ginger Ale. Magic Soda & Mineral Water Co. 32,557; Aug. 9.
Peerless. For Butter. Menasha Printing and Carton Company. 32,559; Aug. 9.
Pheasant. For Bacon. E. Kahn's Sons Company. 32,547; Aug. 9.
Pheasant. For Bologna-Style Sausage. E. Kahn's Sons Company. 32,544; Aug. 9.
Pheasant. For Cooked Ham. E. Kahn's Sons Company. 32,546; Aug. 9.
Pheasant. For Fresh Sausage. E. Kahn's Sons Company. 32,549; Aug. 9.
Pheasant. For Ham. E Kahn's Sons Company. 32,548; Aug. 9.
Pheasant. For Pure Lard. E. Kahn's Sons Company. 32,545; Aug. 9.
Pheasant. For Sausage. E. Kahn's Sons Company. 32,550; Aug. 9.
Pheasant. For Smoked Shoulder. E. Kahn's Sons Company. 32,551; Aug. 9.
Redmond's Peanut Billy-Kyns. For Candy. Redmond Candy Company. 32,563; Aug. 9.
Ruf-Amber. For Ginger Ale. Sierra Club Beverage Co. Inc. 32,566; Aug. 9.
Salada Green Tea. For Tea. Salada Tea Company. 32,565; Aug. 9.
Salada Mixed Tea. For Tea. Salada Tea Company. 32,564; Aug. 9.
Selected. For Lemons. Limoneira Company. 32,556; Aug. 9.
Shine-All. For a Liquid Chemical Cleanser. Hillyard Chemical Company 32,542; Aug. 9.
Southern Aristocrat. For Guava Jelly. L. L. Blum. 32,533; Aug. 9.
Spray Away. For Cold-Cure Preparations. S. M. Boogher. 32,534; Aug. 9.
Sunland's Twin Packet. For Shampoo. Sunland Laboratories, Inc. 32,567; Aug. 9.
The Original Chas. Hollenbach's 314. For Meat Rolls. C. Hollenbach. 32,543; Aug. 9.
White Cross. For Lemons. Limoneira Company. 32,555; Aug. 9.
Yellow Flag. For Fresh Apples. Earl Fruit Company. 32,541; Aug. 9.

ALPHABETICAL LIST OF PRINTS.

Fairy Filled Felt Guaranteed Mattresses. For Mattresses. Spiegel, May, Stern Co. 10,110; Aug. 9.
Have Some Refreshments! For Athletic Underwear. B. V. D. Company. 10,100; Aug. 9.
Imaginashun is Fine—But Eskimo Pie is the Real Thing. For Frozen Confections. Eskimo Pie Corporation. 10,104; Aug. 9.
John Kelly Says: 'I Always Come Back to my Gillette.' For Safety Razors. Gillette Safety Razor Company. 10,107; Aug. 9.
My Mother is the Best Mother In the World. For Frozen Confections. Eskimo Pie Corporation. 10,105; Aug. 9.
One Fact Outweighs a Thousand Theories. For Buckles. Adjusta Co. 10,099; Aug. 9.
Peasant Art Industry Made in Czechoslovakia. For Examples of Peasant Art. Czecho Peasant Art Co. Inc. 10,103; Aug. 9.
Rejuvené. For Cosmetics. Rejuvené Manufacturing Co. 10,109; Aug. 9.
The Handy Bottle. For Soft Drinks. Whistle Company of America, Inc. 10,112; Aug. 9.
The Hardest Crop to Raise—Babies! For Wheat Breakfast Food. Cream of Wheat Co. 10,102; Aug. 9.
W. W. Health Drinks. Inc. For Soft Drinks. C. W. Weston. 10,111; Aug. 9.
Wear a Milbury Atlantic and Swim Like a Fish. For Bathing Apparel. Milbury Atlantic Manufacturing Co. 10,108; Aug. 9.
Where Fit and Freedom Meet! For Athletic Underwear. B. V. D. Company. 10,101; Aug. 9.
You Gotta Hand It to Eskimo Pie. For Frozen Confections. Eskimo Pie Corporation. 10,106; Aug. 9.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abrahams, Max, New York, N. Y. Acoustic horn. Des. 73,217; Aug. 9.
Abrahams, Max, New York, N. Y. Acoustic horn. Des. 73,218; Aug. 9.
Acme Ball Bearing Spindle Company. (See Chapman, Fred H., assignor.)
Adamson, Allan A., assignor to G. H. Harris, Rochester, N. Y. Manufacture of cigar boxes and the like. 1,638,719; Aug. 9.
Aderer, Hugo, East Orange, N. J., assignor to J. F. Jelenko & Co., New York, N. Y. Fracture splint. 1,638,606; Aug. 9.
Adler, Charles, jr., Baltimore, Md. Automatic time-limit control means for interlocking levers of railway appliances. 1,638,793; Aug. 9.
Ahrendts, George R., assignor to The Atlas-Globe China Company, Niles, Ohio. Plate or similar article. Des. 73,219; Aug. 9.
Ahrendts, George R., assignor to The Atlas-Globe China Company, Niles, Ohio. Casserole. Des. 73,220; Aug. 9.
Ahrendts, George R., assignor to The Atlas-Globe China Company, Niles, Ohio. Sugar bowl or similar article. Des. 73,221; Aug. 9.
Ahrendts, George A., assignor to The Atlas-Globe China Company, Niles, Ohio. Pitcher. Des. 73,222; Aug. 9.
Aktiebolaget Ljungströms Angturbin. (See Ljungström, F., and Andersson, assignors.)
Aktiengesellschaft Brown, Boveri and Cie. (See Keller, Robert, assignor.)
Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel. (See Wachtel, Wilhelm, assignor.)
Aktieselskapet Norsk Staal Elektrisk-Gas-Reduktion. (See Edwin, Emil, assignor.)
Aldrich, Aline L., Merion Station, Pa. Portable carrier. 1,638,794; Aug. 9.
Allard, Alfred J., Eldridge, Calif. Motor-vehicle direction indicator. 1,638,429; Aug. 9.
Allebrandi, Theodore, et al. (See Gordon, Albert B., assignor.)
Allen, Charles S., deceased, San Francisco, Calif.; T. J. Allen, administrator, assignor of one-twentieth to J. Sperekas and F. Coures, Cincinnati, Ohio. Front-wheel-drive brake mechanism. 1,638,007; Aug. 9.
Allen, Irving R., Chicago, Ill. Wardrobe trunk. 1,638,135; Aug. 9.
Allen, Therron J., administrator. (See Allen, Charles S.)
Alsaker, Alfred, assignor to The Delta-Star Electric Co., Chicago, Ill. Clamping means. 1,638,230; Aug. 9.
Alther, Joseph G. (See Egloff, G., and Alther.)
American Cyanamid Company. (See Buchanan, G. H., and Osborne, assignors.)
American Engineering Company. (See Cannon, Earl, assignor.)
American Engineering Company. (See Smith, George E., assignor.
American Manganese Steel Company. (See Nagle, Perry I., assignor.)
American Manganese Steel Company. (See Rorabeck, Claude, assignor.)
American Multigraph Company. (See Colquhoun, Peter, assignor.)
American Multigraph Company, The. (See Morse, Lawrence H., assignor.)
American Multigraph Company, The. (See Osborn, Henry C., assignor.)
American Optical Company. (See Bell, Eugene E., assignor.)
American Optical Company. (See Ohlwiler, Clarence H., assignor.)
American Piano Company. (See Stoddard, Charles F., assignor.)
American Steel and Wire Company of New Jersey, The. (See Cocker, John A., assignor.)
American Telephone and Telegraph Company. (See Bailey, R. S., and Broe, assignors.)
American Telephone and Telegraph Company. (See Connors, Neilson D., assignor.)
American Telephone and Telegraph Company. (See Gannett, D. K., and Kirkwood, assignors.)
American Welding and Manufacturing Company. (See Klaus, Fred R., assignor.)
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anderson, Alfred, Dunedin, Fla. Pulley wheel. 1,638,720; Aug. 9.
Andersson, Nils F. F. (See Ljungström, F., and Andersson.)
Andrews, Chrissy, New York, N. Y. Ornamentations. 1,638,311; Aug. 9.
Archer, Thomas P., and F. M. Edgar, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Combination remote control and pull-to handle assembly. 1,638,281; Aug. 9.
Artcraft Metal Stamping Corporation. (See Shapiro, Theodore, assignor.)
Artus, Robert, Gera, Germany. Ice machine. 1,638,179; Aug. 9.
Atlas-Globe China Company. (See Ahrendts, George R., assignor.)
Austral Window Company. (See Myers, Winter W., assignor.)
Auto Pneumatic Action Company. (See La Joie, H. J., and Urquhart, assignors.)
Automatic Electric Inc. (See Gardner, John E., assignor.)
Automatic Electric Inc. (See Stehlik, Rudolph F., assignor.)
Automatic Electric Inc. (See Willis, Bernard D., assignor.)
Automatic Transmission Company. (See Gensmer, T., and Farmer, assignors.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Automotive Valves Co., The. (See Burtnett, E. R., and Burnell, assignors.)
Bahlmann, Erwin F., Milwaukee, Wis. Target-throwing apparatus. 1,638,283; Aug. 9.
Bailey, Rand S., Montclair, N. J., and E. P. Broe, New York, N. Y., assignors to American Telephone and Telegraph Company. Straightforward trunking system. 1,638,430; Aug. 9.
Bain, Benjamin L., Cedar Rapids, Iowa. Seed-corn drying rack. 1,638,651; Aug. 9.
Baker, Clair A., Detroit, Minn. Ventilating screen for automobiles. 1,638,610; Aug. 9.
Baker Ice Machine Company of Texas. (See Hilliard, John J., assignor.)
Baldwin, James E., Hempstead, N. Y. Submersible pump. 1,638,387; Aug. 9.
Baldwin, James P., Los Angeles, Calif. Shock absorber. 1,638,232; Aug. 9.
Baldwin, James P., Los Angeles, Calif. Shock absorber. 1,638,284; Aug. 9.
Baldwin, James P., Los Angeles, Calif. Shock absorber. 1,638,235; Aug. 9.
Baldwin, James P., and R. A. Keese, Los Angeles, Calif.; said Keese assignor to said Baldwin. Shock absorber. 1,638,233; Aug. 9.
Baldwin, William M., assignor to J. R. McCardell & Co., Trenton, N. J. Extension tower. 1,638,611; Aug. 9.
Balloon Rubber Heel Company. (See Norwood, Harry G., assignor.)
Banks, John H., Battle Creek, Mich. Rim tool. 1,638,676; Aug. 9.
Banks, Reeve H., assignor to Pittsburgh Producers Supply Company, Pittsburgh, Pa. Sheet-metal belt. 1,638,466; Aug. 9.
Barbour, Clyde A., jr., Monroe, La. Carbon-black-producing apparatus. 1,638,722; Aug. 9.
Barie, Phillip P., Pittsburgh, Pa. Mechanical toy. 1,638,467; Aug. 9.
Barker, Percy E., assignor of one-half to A. B. Betz, Cleveland, Ohio. Wringer. 1,638,312; Aug. 9.
Barker, Percy E., assignor of one-half to A. B. Betz, Cleveland, Ohio. Wringer. 1,638,313; Aug. 9.
Barnes, Otto H., Tulsa, Okla. Wheel gauge. 1,638,723; Aug. 9.
Barnes-Thomas, Albert, Dresden, Germany, assignor to Marvle Products Limited, London, England. Producing articles from compositions of matter. 1,638,108; Aug. 9.
Barnes-Thomas, Albert, Dresden, Germany, assignor to Marvle Products Limited, London, England. Imitation marble, tiles, slabs, and similar material especially for use for decorative purposes in buildings and other places. 1,638,109; Aug. 9.
Bartels, Reinhard E., Lynn, Mass. Shank stiffener. 1,638,136; Aug. 9.
Bartels, Reinhard E., Lynn, Mass. Shoe-shank stiffener and making the same. 1,638,137; Aug. 9.

Barth, Edwin J., and F. Hovell, San Antonio, Tex. Fluid fuel and producing the same. 1,638,314; Aug. 9.
Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
Baskerville, Edward A., Omaha, Nebr., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,638,138; Aug. 9.
Bates, Edwin G. and R. C.; said R. C. Bates assignor to E. G. Bates, Minneapolis, Minn. Assembly plate and die-holding clamp. 1,638,180; Aug. 9.
Bates, Raymond C. (See Bates, Edwin G. and R. G.)
Battaini, Joseph, Toledo, Ohio. Paring and slicing knife. 1,638,468; Aug. 9.
Bauer Devices Inc. (See Bauer, Fred C., assignor.)
Bauer, Fred C., Irvington, N. J., assignor to Bauer Devices Inc. Contact-making device. 1,638,517; Aug. 9.
Baus, Richard E., assignor to The Studebaker Corporation, Detroit, Mich. Shipping device. 1,638,612; Aug. 9.
Beck, Fitzhugh L., Barksdale, Tex. Pneumatically-operated railway gate. 1,638,315; Aug. 9.
Becker, Hazen K., and E. G. Jurgens, assignors to Peters Machinery Company, Chicago, Ill.. Carton-blank separator. 1,638,518; Aug. 9.
Becker, Lucien E. (See Small, William J., assignor.)
Belber Trunk & Bag Company, The. (See Caldwell, Charles C., assignor.)
Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Transmission chain. 1,638,139; Aug. 9.
Belcher, Warren J., assignor to The Whitney Mfg. Company. Hartford. Conn. Power-transmission chain. 1,638,388; Aug. 9.
Bell, Eugene E., Dayton, Ohio, assignor to American Optical Company, Southbridge, Mass. Tool for widening and narrowing bridges of ophthalmic mountings. 1,638,078; Aug. 9.
Bell, Gilbert C., Augusta, Ga. Refrigerator and dispenser. 1,638,181; Aug. 9.
Belluzzo, Giuseppe, assignor to Società Italiana Ernesto Bredo, Milan, Italy. Steam-turbine locomotive. 1,638,079; Aug. 9.
Bemis, Albert F., Newton, and H. W. Brown, Concord, assignors, by mesne assignments, to Bemis Industrial Inc., Boston, Mass. Concrete building construction. 1,638,080; Aug. 9.
Bemis Industries Inc. (See Bemis, A. F., and Brown, assignors.)
Bendix Brake Company. (See Dodge, Adiel Y., assignor.)
Bentley, Anson J., Niles, Ohio. Truck. 1,638,469; Aug. 9.
Bentley, Walter H., San Jose, Calif. Labeling process. 1,638,795; Aug. 9.
Bergendahl, Oscar E., and R. A. Rimel, assignors of one-third to W. S. Moseley, Erwin, Tenn. Buffer. 1,638,008; Aug. 9.
Berger, Samuel I., Newark, N. J. Statuette. Des. 73,223; Aug. 9.
Best, Charlotte S., executrix. (See Best, Harry S., assignor.)
Best, Clarence L., assignor, by mesne assignments, to Caterpillar Tractor Co., San Leandro, Calif. Track-laying tractor. 1,638,140; Aug. 9.
Best, Harry S., deceased, assignor to C. S. Best, executrix; said C. S. Best assignor to John H. Best & Sons, Galva, Ill. Display rack. 1,638,236; Aug. 9.
Best, John H., & Sons. (See Best, Harry S., assignor.)
Bethlehem Shipbuilding Corporation. (See Warriner, Robert, assignor.)
Betz, Arthur B. (See Barker, Percy E., assignor.)
Beveridge, Ernest G., Brooklyn, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Wrinkle remover for web rolls. 1,638,560; Aug. 9.
Blackmon, Ben C., Dallas, Tex. Support for collapsible container tubes. 1,638,613; Aug. 9.
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Vehicle having brakes. 1,638,316; Aug. 9.
Blomfeldt, Allen A., Newport, Ky. Unit heater for air spaces. 1,638,083; Aug. 9.
Blood, George H. (See Lewis, George W., assignor.)
Blood, Laurence E., assignor to S. A. Woods Machine Company, Boston, Mass. Woodworking machine. 1,638,652; Aug. 9.
Blose, Clyde E., Springfield, Ohio. Auxiliary bleed-valve actuator for air-brake equipment. 1,638,081; Aug. 9.
Blumenberg, Henry, Jr., assignor to Stockholders Syndicate, Los Angeles, Calif. Treating phosphate rock. 1,638,677; Aug. 9.
Blumenthal, Rudolph L., Flushing, and W. Duschnes, New York, N. Y. Smoker's set. 1,638,389; Aug. 9.
Bolensh, Harry W. (See Murakami, Rin N., assignor.)
Bolling, John E., assignor to Drying Systems, Inc., Chicago, Ill. Air-filter drive. 1,638,141; Aug. 9.
Bond, Oscar, Sapulpa, Okla. Torpedo hook. 1,638,678; Aug. 9.
Bonsall, Charles D., assignor to Union Metal Products Company, Chicago, Ill. Paneling for hopper doors for railway cars. 1,638,142; Aug. 9.
Bonsall, Charles D., assignor to Union Metal Products Company, Chicago, Ill. Panel bracing in hopper doors for railway cars. 1,638,143; Aug. 9.
Bonsall, Charles D., Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car wall structure. 1,638,144; Aug. 9.
Bonsall, Charles D., New Kensington, Pa. Carline reenforcement and load-lifting attachment. 1,638,145; Aug. 9.
Borovoy, Samuel, and W. L. Perry, Lowell, assignors to Saco-Lowell Shops, Boston, Mass. Trap motion for textile machines. 1,638,237; Aug. 9.
Bossemeyer, William J., Detroit, Mich. Window-light frame. 1,638,284; Aug. 9.
Bouda, Bohumil. (See Spaulding, J. D., and Bouda.)
Bound Brook Oil-Less Bearing Company. (See Claus, Carl, assignor.)
Bowen, Frederick D., Monett, Mo. Handle attachment. 1,638,390; Aug. 9.
Bowers, Charlie M., Bloomington, Ind. Automobile heater. 1,638,317; Aug. 9.
Bowles, Benjamin A., Washington, D. C. Window guard. 1,638,724; Aug. 9.
Boyett, Jesse B., Tampa, Fla. Plant-spraying apparatus. 1,638,758; Aug. 9.
Brandes Laboratories, Inc. (See Brigham, Cyril A., assignor.)
Brautigam, John M., and M. C. Bright, Indianapolis, Ind. Sectional folding minnow trap. 1,638,238; Aug. 9.
Bray, Glessie, guardian. (See Bray, Mark.)
Bray, Mark; G. Bray, guardian of said Mark Bray, a mental incompetent, assignor of one-half to J. C. Howard, Nevada, Mo. Steering gear. 1,638,318; Aug. 9.
Breneo Corporation. (See Davis, Rex E., assignor.)
Brewster, Frank G., White River Junction, Vt. Electromagnetic indicator. 1,638,614; Aug. 9.
Brigham, Cyril A., East Orange, assignor to Brandes Laboratories, Inc., Newark, N. J. Sound-reproducing apparatus. 1,638,320; Aug. 9.
Bright, Martin C. (See Brautigam, J. M., and Bright.)
Briggs, Southwick W., Glenmont, Md. Oil-diluent separator. 1,638,319; Aug. 9.
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Brodeur, Arthur J. (See Kinsler, George B., assignor.)
Broe, Edgar P. (See Bailey, R. S., and Broe.)
Brooks, Aubrey A., Toronto, Ontario, Canada. Leg and ankle support. 1,638,285; Aug. 9.
Brooks, John A., Detroit, Mich. Automatic sprinkling system. 1,638,519; Aug. 9.
Brosi, Frederick T., San Francisco, Calif., assignor to A. W. Higgins, trustee. Baby-shoe keepsake. 1,638,431; Aug. 9.
Brown, Charles H., Flushing, N. Y. Metal shoe shank. 1,638,520; Aug. 9.
Brown, George. (See Wilson, James O., assignor.)
Brown, Horatio W. (See Bemis, A. F., and Brown.)
Brühl, Paul, Dusseldorf, Germany. Grinding machine. 1,638,082; Aug. 9.
Brunell, Homer A. (See Burtnett, E. R., and Brunell.)
Brunner, Harold E., Mamaroneck, N. Y., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Antifriction-bearing lubrication. 1,638,521; Aug. 9.
Bryant Electric Company, The. (See Engstrom, Henry O., assignor.)
Brysilka, Limited. (See Schubert, Friedrich W., assignor.)
Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Driving mechanism and method. 1,638,239; Aug. 9.
Buchanan, Guy H., Westfield, and J. L. Osborne, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Converting a cyanide compound into ammonia. 1,638,522; Aug. 9.
Buchanan, Luther H., Los Angeles, Calif. Detachable stencil for ball lights. 1,638,679; Aug. 9.
Buchenberg, Alvin E., assignor to Industrial Research Corporation, Toledo, Ohio. Engine and generator cooling system. 1,638,146; Aug. 9.
Bunis, Julius, Malden, Mass. Bumper and fender. 1,638,615; Aug. 9.
Burdick Corporation, The. (See Maxson, Rolland H., assignor.)
Burgan Corporation, The. (See Burke, William H., assignor.)
Burgewitz, John W., Detroit, Mich. Fountain hair comb. 1,638,523; Aug. 9.
Burke, William H., Winner, S. Dak., assignor to The Burgan Corporation, Chicago, Ill. Cotter-pin puller. 1,638,616; Aug. 9.
Burley, Thomas, Seattle, Wash. Fireplace. 1,638,286; Aug. 9.
Burmister, Donald M., New York, N. Y. Separable fastener. 1,638,321; Aug. 9.
Burrows Magnetic Equipment Corporation. (See Stoughton, Bradley, assignor.)
Burson Knitting Company. (See Parker, William S., assignor.)
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,638,287; Aug. 9.
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,638,288; Aug. 9.
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Gaseous-fuel pump for internal-combustion engines. 1,638,289; Aug. 9.

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,638,291; Aug. 9.
Burtnett, Everett R., and H. A. Brunell, assignors to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,638,290; Aug. 9.
Busch, Charles H., and W. A. Vollmer, assignors to Simmons Company, Kenosha, Wis. Leg construction. 1,638,561; Aug. 9.
Bushwick National Bank. (See Furedy, Frank, assignor.)
Butell, Adolphus S., Durango, Colo. Shift lever. 1,638,182; Aug. 9.
Butler, James A., Needham, assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. Automatic package-feed mechanism. 1,638,391; Aug. 9.
Butler, Thomas J., Harrison, N. J. Speed-accelerating mechanism. 1,638,084; Aug. 9.
Byiger, Frans I. L., South Portland, Me. Gyratory pump or compressor. 1,638,183; Aug. 9.
Caille, Adolph A., Detroit, Mich. Weight indicator. 1,638,524; Aug. 9.
Caldwell, Charles C., Woodbury, N. J., assignor to The Belber Trunk & Bag Company, Philadelphia, Pa. Wardrobe trunk. 1,638,470; Aug. 9.
Callowhill, Percy J., Providence, R. I. Cover for a vanity case or similar article. Des. 73,224; Aug. 9.
Cambessédès, Jean E. F., Paris, France. Tipping wagon and the like. 1,638,009; Aug. 9.
Cameron, James A., Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic mount. 1,638,562; Aug. 9.
Cameron Machine Company. (See Johnstone, Robert M., assignor.)
Campbell, Harry E., and E. F. Mekelburg, assignors to Union Electric Manufacturing Company, Milwaukee, Wis. Electric switch. 1,638,617; Aug. 9.
Campe Corporation. (See Monheimer, Henry F., assignor.)
Canadian Electro Products Company, Limited. (See Skirrow, F. W., and Hersberg, assignors.)
Cannon, Earl, assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Hydraulic mechanism. 1,638,653; Aug. 9.
Cano, Vernon, Elizabeth, N. J. Apparatus for heating, cooling, or drying materials. Re16,699; Aug. 9.
Carbide and Carbon Chemicals Corporation. See Curme, G. O., jr., and Thompson, assignors.)
Cares, Harry F., and R. Marsland, Essington, Pa., assignors to Westinghouse Electric & Manufacturing Company. Shaft coupling. 1,638,796; Aug. 9.
Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Radial drill. 1,638,654; Aug. 9.
Carlton, Jack C., assignor to The Carlton Machine Tool Company, Cincinnati, Ohio. Radial-drill column-clamp control. 1,638,655; Aug. 9.
Carlton Machine Tool Company, The. (See Carlton, Jack C., assignor.)
Caron, Philbert A., Detroit, Mich. Safety electric door opener. 1,638,240; Aug. 9.
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Thermostat. 1,638,085; Aug. 9.
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Pressure-reducing device. 1,638,110; Aug. 9.
Carrey-Morse Engineering Company. (See Carrey, John O., assignor.)
Carruth, Henry P., and W. C. Ludwig, Chillicothe, assignors to The Mead Pulp & Paper Company, Dayton, Ohio. Apparatus and method for packaging paper. 1,638,563; Aug. 9.
Carter, James I. (See Hester, Stephen J., assignor.)
Carter, Ray L., Syracuse, N. Y. Adjustable support for routing machines. 1,638,086; Aug. 9.
Carveth, Hector R., Niagara Falls, assignor to The Roesler & Hasslacher Chemical Company, New York, N. Y. Reacting metals with gases. 1,638,471; Aug. 9. assignor.)
Case Research Laboratory, Inc. (See Case, Theodore W.,
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Talking-moving-picture machine. 1,638,392; Aug. 9.
Case, Theodore W., assignor to Case Research Laboratory Incorporated, Auburn, N. Y. Talking-picture machine. 1,638,393; Aug. 9.
Case, Theodore W., assignor to Case Research Laboratory, Inc., Auburn, N. Y. Translating device. 1,638,472; Aug. 9.
Caterpillar Tractor Co. (See Best, Clarence L., assignor.)
Catoldo, Giovanni R., Boston, Mass. Vegetable and fruit crusher. 1,638,618; Aug. 9.
Chabasol, Edward D. (See French, J. W., and Chabasol.)
Chamberlain, Floyd L., Waterloo, Iowa. Wringer-frame construction. 1,638,241; Aug. 9.
Chamberlain, Floyd L., Waterloo, Iowa. Supporting device for wringers. 1,638,242; Aug. 9.
Champion Pneumatic Machinery Co. (See Rayfield, Fred J., assignor.)
Chapman, Charles H., Scotia, N. Y., assignor to General Electric Company. Electromagnetic time-element device. 1,638,322; Aug. 9.
Chapman, Fred H., Pepperell, Mass., assignor to Acme Ball Bearing Spindle Company, Franklin, N. H. Self-oiling ball-bearing spindle. 1,638,394; Aug. 9.
Chatillon, John, & Sons. (See Rockefeller, John W., jr., assignor.)
Chenoweth, Alexander C., deceased, New York, N. Y.; C. R. Chenoweth, administratrix. Reclaiming lands and forming bulkheads. 1,638,656; Aug. 9.
Chenoweth, Catharine R., administratrix. (See Chenoweth, Alexander C.)
Chesnutt, John L., Merced, assignor to W. R. Darnell, Long Beach, Calif. Glide caster. 1,638,725; Aug. 9.
Chiarelli, Antonio, New York, N. Y. Propelling mechanism for air navigators. 1,638,726; Aug. 9.
Chisholm, Arron R., East Orange, N. J. Suspensory bandage. 1,638,525; Aug. 9.
Christ, Wilhelm. (See Jellinck, K., and Christ.)
Christie, Hans L., Los Angeles, Calif. Coping and punching machine. 1,638,526; Aug. 9.
Church, Harold D., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Anchoring device for brakes. 1,638,323; Aug. 9.
Clark, Edward M., Davenport, Iowa. Commercial sign. 1,638,564; Aug. 9.
Clark, Harry A., Wichita Falls, Tex. Frame construction for tractor-driven winches. 1,638,243; Aug. 9.
Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Exhaust muffler. 1,638,087; Aug. 9.
Clarke, C. H., et al. (See Everts, Walter W., assignor.)
Claus, Carl, Plainfield, N. J., assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-aligning bearing and making the same. 1,638,797; Aug. 9.
Clansing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Golf tee. 1,638,527; Aug. 9.
Clement, John S., Company. (See Millholland, James H., assignor.)
Cleveland Folding machine Company, The. (See Shipley, John H., assignor.)
Cobb, Charles, jr., Marshall, Tex. Brake shoe. 1,638,759; Aug. 9.
Cochran, Joseph S., Stockton, Calif. Sales-indicating container. 1,638,818; Aug. 9.
Cochrane Corporation. (See Gibson, G. H., and Yoder, assignors.)
Cochrane, Victor H., Tulsa, Okla. Sewer construction. 1,638,473; Aug. 9.
Cocker, John A., Joliet, Ill., assignor to The American Steel and Wire Company of New Jersey. Fence-making machine. 1,638,528; Aug. 9.
Coffin, Joseph G., Hempstead, N. Y., assignor to Morgan & Wright, Detroit, Mich. Tire-testing apparatus. 1,638,111; Aug. 9.
Collar, Lloyd D., assignor to Collar Valves Corporation, Oakland, Calif. Packing-gland structure. 1,638,619; Aug. 9.
Collar Valve Corporation. (See Collar, Lloyd D., assignor.)
Collins, William J., Brooklyn, N. Y. Window-sash fastener. 1,638,088; Aug. 9.
Collis Company, The. (See Spaulding, J. D., and Bouda, assignors.)
Colonial Lamp & Fixture Works, Inc. (See Nelson, Theodore J., assignor.)
Colquhoun, Peter, assignor to The American Multigraph Company, Cleveland, Ohio. Safety device for flat-bed printing presses. 1,638,565; Aug. 9.
Colt's Patent Fire Arms Manufacturing Company. (See Tansley, George H., assignor.)
Compagnie des Forges et Acieries de la Marine et d'Homecourt et al. (See de Courselles, Robert, assignor.)
Congdon, Harry R., San Francisco, Calif. Powdering machine. 1,638,566; Aug. 9.
Connors, Neilson D., Highland Park, N. J., assignor to American Telephone and Telegraph Company. Strand tightener. 1,638,432; Aug. 9.
Continental Products Corporation. (See Fabbrin, Frank, assignor.)
Cook, Herbert A., Bloomfield, N. J. Lustrous variegated plastic product and making same. 1,638,529; Aug. 9.
Cook, John A., Franklin Furnace, N. J. Power attachment for mowers. 1,638,680; Aug. 9.
Cook, Thomas B., Los Angeles, Calif. Can holder. 1,638,681; Aug. 9.
Cooke, Alfred F., assignor to Schaffer Poidometer Company, Pittsburgh, Pa. Continuous weighing apparatus. 1,638,244; Aug. 9.
Cooke, George T., New York, N. Y., assignor to Union Metal Products Company, Chicago, Ill. End plate for railway box cars. 1,638,147; Aug. 9.
Cooke, George T., New York, N. Y. End reenforcement for railway cars. 1,638,148; Aug. 9.
Cooney, Thomas F., New Haven, Conn. Fruit-coring device. 1,638,798; Aug. 9.
Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)
Cooper Hewitt Electric Company. (See Malley, Roy D., assignor.)
Cooper Hewitt Electric Company. (See Walker, Warren R., assignor.)
Cooper, Simon, Brooklyn, N. Y. Cargo unloader. 1,638,474; Aug. 9.
Copeland, Asa B., Denver, Colo. Card game. 1,638,433; Aug. 9.
Coppock, Andrew J., Detroit, Mich. Auxiliary charge-forming device. 1,638,567; Aug. 9.

Cornwell, Virgil O., and A. Moeller, assignors to The Federal Glass Company, Columbus, Ohio. Method and apparatus for shaping articles of glass. 1,638,620; Aug. 9.
Cotta, Charles, Rockford, Ill. Transmission-control mechanism. 1,638,149; Aug. 9.
Cotton, William, Hochst-on-the-Main, Germany, assignor to Grasselli Dyestuff Corporation, New York, N. Y. Obtaining fast-colored discharges on fast dyeings. 1,638,475; Aug. 9.
Cottrell, C. B., & Sons Company. (See Greenway, Richard J., assignor.)
Coures, Frank, et al. (See Allen, Charles S., assignor.)
Cox, Claude E., Detroit, Mich. Testing and recording device. 1,638,657; Aug. 9.
Craig, Andrew, Los Angeles, Calif. Cover wrench and can opener. 1,638,185; Aug. 9.
Creamery Package Mfg. Company, The. (See Gates, Grandon D., assignor.)
Cross, Harry E., assignor to Cross Motor Corporation, Indianapolis, Ind. Automobile chassis. 1,638,292; Aug. 9.
Cross Motor Corporation. (See Cross, Harry E., assignor.)
Crowley, E. Chase. (See Hollinger, Emil F., assignor.)
Curle, George L., Minneapolis, Minn. Cam stop strip for keyboard assemblies of machines for casting lines of type. 1,638,799; Aug. 9.
Curley, Robert S. (See Whittier, J. K., Langevin, and Curley.)
Curme, George O., jr., and H. E. Thompson, Clendenin, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Gas apparatus. 1,638,434; Aug. 9.
Curtis, Claude C., Silver Lake, N. Y. Trap-placing tool. 1,638,184; Aug. 9.
Dadourian, Haroutune M., Hartford, Conn. Spectacle case. 1,638,727; Aug. 9.
D'Albora, John, Yonkers, N. Y. Scouring implement. 1,638,800; Aug. 9.
Dalton, Charles J., New York, N. Y. Tire remover. 1,638,476; Aug. 9.
Darnell, Walter R. (See Chesnutt, John L., assignor.)
Davis, Charles C., Fenton, Mich. Loud speaker. 1,638,245; Aug. 9.
Davis, Jacob. (See Granter, J., and Davis.)
Davis, Lewis H., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,638,246; Aug. 9.
Davis, Matthew J., Portland, Oreg. Log raft. 1,638,324; Aug. 9.
Davis, Rex E., assignor to Brenco Corporation, Minneapolis, Minn. Electrically-actuated valve. 1,638,325; Aug. 9.
Dayton-Wright Company. (See Clark, Virginius E., assignor.)
De Araujo, Olavo, London, England. Vehicle wheel. 1,638,621; Aug. 9.
De Armond, William C., and W. R. H. Watt, Philadelphia, Pa. Coin-controlled device. 1,638,682; Aug. 9.
De Back, William, San Leandro, assignor to Sprague-Sells Corporation, Hoopesston, Ill. Exhaust box. 1,638,760; Aug. 9.
De Courseulles, Robert, assignor to Societe Schneider & Cie., and Compagnie des Forges et Acieries de la Marine et d'Homecourt, Paris, France. Fluid-tight arrangement for cannon mounted in fluid-tight turrets upon submarine vessels. 1,638,435; Aug. 9.
De Ford, John W., Los Angeles, Calif. Attachment for steam pressing machines. 1,638,293; Aug. 9.
Delaware Chemical Engineering Company. (See du Pont, Francis I., assignor.)
Delco-Remy Corporation. (See Davis, Lewis H., assignor.)
Delco-Remy Corporation. (See Elsey, George W., assignor.)
Delco-Remy Corporation. (See Haas, Nelson R., assignor.)
Delco-Remy Corporation. (See Hunt, John H., assignor.)
Delco-Remy Corporation. (See Kennington, William O., assignor.)
Delco-Remy Corporation. (See Kindl, Carl H., assignor.)
Delco-Remy Corporation. (See Riedel, Walter W., assignor.)
Delta-Star Electric Co., The. (See Alsaker, Alfred, assignor.)
Demarchi, Mario, Biella, Italy. Shield for use in the production of radioscopes or radiographs. 1,638,683; Aug. 9.
Dennison Manufacturing Company. (See Flood, C. A., and Gibbs, assignors.)
Derr, Ralph B., Flushing, assignor to General Chemical Company, New York, N. Y. Fungicide. 1,638,089; Aug. 9.
De Vooght, Gustave, Herenthals, Belgium. Machine for the manufacture of footwear. 1,638,186; Aug. 9.
Dickens, James R., E. O. Harris, and T. A. Warner, Thomasville, N. C. Air heater. 1,638,187; Aug. 9.
Dictaphone Corporation. (See Woodbridge, Charles K., assignor.)
Diedrich, Fred C., Tacoma, Wash. Closet valve. 1,638,436; Aug. 9.
Dietly, Philip W., Erie, Pa. Paving roller and steering mechanism. 1,638,294; Aug. 9.
Dieudonne, Albert E., New Iberia, La. Name plate and sign frame. 1,638,761; Aug. 9.
Dodge, Adiel Y., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,638,326; Aug. 9.
Domestic Stoker Company. (See Hall, C. H., and Lloyd, assignors.)
Donaghy, Edward, Lisburn, Ireland. Vehicle wheel. 1,638,622; Aug. 9.
Donald, Forrest V., assignor to Gilson Manufacturing Company, Port Washington, Wis. Garden tractor. 1,638,762; Aug. 9.
Donnell, Peter O. (See Walker, James, assignor.)
Douglas, Elizabeth J., Crete, Nebr. Paper holder for toilet-seat covers. 1,638,247; Aug. 9.
Drake, Alden M., assignor to Greenfield Tap & Die Corporation, Greenfield, Mass. Wheel-truing device. 1,638,623; Aug. 9.
Dreyfus, Jesse, New York, N. Y. Hat box. 1,638,568. Aug. 9.
Drying Systems, Inc. (See Boiling, John E., assignor.)
Drying Systems Inc. (See Szekely, Ernest, assignor.)
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,638,112; Aug. 9.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Cracking oils. 1,638,113; Aug. 9.
Duckworth, Joseph J., assignor of fifty-two per cent to T. O. Duckworth, Salt Lake City, Utah. Lifting device. 1,638,090; Aug. 9.
Duckworth, T. O. (See Duckworth, Joseph J., assignor.)
Dunkel, Phillip A., Denver, Colo. Resilient vehicle wheel. 1,638,801; Aug. 9.
Dunlap, Harley M., deceased, and D. M. Putnam, Battle Creek, Mich.; R. S. Dunlap, executrix. Air compressor. 1,638,114; Aug. 9.
Dunlap, Rhoda S., executrix. (See Dunlap, H. M., and Putnam.)
Dunlop Tire and Rubber Corporation of America. (See Willshaw, Harry, assignor.)
Dunwoody, Henry H. C., Washington, D. C. Telephone transmitter. 1,638,188; Aug. 9.
Du Pont, E. I., de Nemours & Company. (See Scott, Winfield, assignor.)
Du Pont, Francis I., assignor to Delaware Chemical Engineering Company, Wilmington, Del. Liquid-vending device. 1,638,189; Aug. 9.
Duschnes, William. (See Blumenthal, R. L., and Duschnes.)
Dyer, Grover L., Richmond, Va. Gang-board cleat. 1,638,477; Aug. 9.
Eastman Kodak Company. (See Cameron, James A., assignor.)
Eastman Kodak Company. (See Fritts, Elwin C., assignor.)
Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)
Eastman Kodak Company. (See Ruttan, Alfred A., assignor.)
Eaton, George R., Oak Park, and M. B. Stazak, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,638,295; Aug. 9.
Eberhardt, Ernest, Waterloo, Iowa. Snow remover. 1,638,150; Aug. 9.
Eckert, William A., Buffalo, N. Y. Signal-controlling mechanism for automobiles. 1,638,091; Aug. 9.
Eckstein, George H., Beverly Hills, Calif. Toy piano. 1,638,327; Aug. 9.
Edgar, Frank M. (See Archer, T. P., and Edgar.)
Edgar, George B., and L. R. Melvin, assignors of fifty-eight per cent. to said L. R. Melvin, thirty per cent. to said George B. Edgar, six per cent. to F. E. Melvin, and six per cent. to R. A. Melvin, Lawrence, Kans. Card holder. 1,638,328; Aug. 9.
Edwin, Emil, Trondhjem, assignor to Aktieselskapet Norsk Staal Elektrisk-Gas-Reduktion, Oslo, Norway. Reduction process using circulating reducing gases. 1,638,684; Aug. 9.
Edgarton, George M., Boston, Mass. Shock absorber. 1,638,092; Aug. 9.
Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,638,093; Aug. 9.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Process of and apparatus for cracking oil. 1,638,115; Aug. 9.
Egloff, Gustav, and J. G. Alther, assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking hydrocarbons. 1,638,116; Aug. 9.
Ekman, Andrew, Grand Rapids, Mich. Vehicle signal. 1,638,296; Aug. 9.
Elfreth, William H., Westtown, and G. B. Weiss, Philadelphia, Pa. Sled. Des. 73,225; Aug. 9.
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Ellis, John, West View, Pa. Water heater. 1,638,024; Aug. 9.
Elsey, George W., Anderson, Ind., assignor, by mesne assignments to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,638,248; Aug. 9.
Ely, Thomas M. (See Moore, I. A., and Ely.)
Emerson Electric Mfg. Co., The. (See Parker, King L., assignor.)

Emery, Plato G., Chicago, Ill. Vestibule-curtain handle. 1,638,685; Aug. 9.
Engle, Edgar W., Lake Forest, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Battery-charging apparatus. 1,638,478; Aug. 9.
Engstrom, Henry O., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,638,658; Aug. 9.
Ennis, George H., New York, N. Y. Fastening device. 1,638,763; Aug. 9.
Eppenstein, Otto, assignor to the Firm Carl Zeiss, Jena, Germany. Device for the mechanical multiplication of two factors. 1,638,190; Aug. 9.
Epstein, Hirsch, assignor to Hyperbo-Electric Flow Meter Co., Chicago, Ill. Electrical pressure gauge. 1,638,814; Aug. 9.
Eskimo Pie Corporation. (See Nelson, Christian K., assignor.)
Evans Brake & Supply Co. (See Mehline, Emile, assignor.)
Eveleth, Annie S. (See Gregg, Holland C., assignor.)
Everts, Walter W., Fort Worth, Tex., assignor to S. Post, C. H. Clarke, and A. G. McMath. Exercising bed. 1,638,625; Aug. 9.
Fabbrin, Frank, Tallman, assignor to Continental Products Corporation, New York, N. Y. Umbrella cover, rib, and stick connection. 1,638,764; Aug. 9.
Fairchild, Walter L., New York, N. Y. Producing pneumatic tubes for vehicle tires and the like. 1,638,659; Aug. 9.
Fansteel Products Company. (See Engle, Edgar W., assignor.)
Farmer, Robert Z. (See Gensmer, T., and Farmer.)
Farmers' Loan and Trust Company, The, executor. (See Hewitt, Peter C.)
Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Locomotive. Re16,700; Aug. 9.
Farr, Ralph C., Santa Barbara, Calif. Water drain for automobile hoods. 1,638,479; Aug. 9.
Faultless Caster Company. (See Noelting, William H., assignor.)
Fausek, Arthur J. and I. F., St. Louis, Mo. Reducing valve. 1,638,010; Aug. 9.
Fausek, Irwing F. (See Fausek, Arthur J. and I. F.)
Federal Glass Company, The. (See Cornwell, V. O., and Moeller, assignors.)
Fencl, Frank J., Chicago, Ill. Circuit breaker. 1,638,686; Aug. 9.
Fennel, Friedrich, Jersey City, N. J. Traction attachment for automobiles. 1,638,329; Aug. 9.
Fenton, Paul W., New York, N. Y. Gasoline-dispensing apparatus. 1,638,687; Aug. 9.
Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door latch. 1,638,249; Aug. 9.
Feybusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Machine for feeding sheets, labels, and the like. 1,638,151; Aug. 9.
Feybusch, Martin, Brooklyn, N. Y. Container or receptacle for the dispensing of ice cream, ices, or the like. 1,638,480; Aug. 9.
Fiala, Joseph B., New York, N. Y., assignor to Standard Pneumatic Action Company. Transposing device for musical instruments. 1,638,297; Aug. 9.
Field, Oscar S., Roselle Borough, N. J. Light signal. 1,638,625; Aug. 9.
Finlayson, Mima K., Los Angeles, Calif. Flower receptacle. 1,638,250; Aug. 9.
Fipps, William F., St. Louis, Mo. Automobile lock. 1,638,688; Aug. 9.
Fisher, James B. (See Horning, H. L., Fisher, and Pope.)
Fisher, James B., assignor to Waukesha Motor Company, Waukesha, Wis. Washer. 1,638,251; Aug. 9.
Fisk Rubber Company, The. (See Mead, George J., assignor.)
Fitzgerald, Joseph N., jr., Ridley Park, Pa. Socket wrench. 1,638,252; Aug. 9.
Fleischer, Paul W. (See Feybusch, M., and Fleischer.)
Fletcher, Harold W., assignor to Hughes Tool Company, Houston, Tex. Soft-formation well drill. 1,638,253; Aug. 9.
Fletcher, Henry V. (See Havir, A. H., and Fletcher.)
Flood, Carl A., and J. H. Gibbs, assignors to Dennison Manufacturing Company, Framingham, Mass. Paper article, method, and apparatus. 1,638,298; Aug. 9.
Flood, Carl A., and J. H. Gibbs, assignors to Dennison Manufacturing Company, Framingham, Mass. Crepe-paper articles. 1,638,299; Aug. 9.
Flynn, George W., Blundellsands, near Liverpool, England. Selective signaling system. 1,638,330; Aug. 9.
Foley, Charles B., Inc. (See Foley, Charles B., assignor.)
Foley, Charles B., Dayton, Ohio, assignor to Charles B. Foley, Inc. Electrothermic crucible. 1,638,660; Aug. 9.
Foley, William, assignor to International Shoe Company, St. Louis, Mo. Stapling machine. 1,638,117; Aug. 9.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Line-spacing mechanism. 1,638,191; Aug. 9.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Portable hand-operated flat platen. 1,638,192; Aug. 9.
Ford, Henry, Dearborn, Mich. Sound-proofing gear mechanisms. 1,638,118; Aug. 9.
Forwood, David F., Taylor, Tex. Grave marker. 1,638,193; Aug. 9.
Fotheringham, Thomas B., and M. McIntyre, Seattle, Wash. Street and station indicator. 1,638,661; Aug. 9.
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Heating means for rolls. 1,638,626; Aug. 9.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making sheet glass. 1,638,728; Aug. 9.
Fox, Morris, Norwich, Conn. Bottle. Des. 78,226; Aug. 9.
Frahm, Carl A., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Fluting machine. 1,638,481; Aug. 9.
Frantz Manufacturing Co. (See Ferris, William D., assignor.)
Frazier, Obbie M. (See Locker, L., and Frazier.)
French, John W., and E. D. Chabasol, Wilson, Okla. Collar leak clamp. 1,638,482; Aug. 9.
Frerichs, Frederick A., assignor to The Horn & Brannen Manufacturing Co. Inc., Philadelphia, Pa. Electric socket support and housing. 1,638,662; Aug. 9.
Freydberg, Aaron and J. Marcus, New York, N. Y. Binding strip. 1,638,254; Aug. 9.
Freyn Engineering Company. (See Fox, Gordon, assignor.)
Fried. Krupp Aktiengesellschaft. (See Himmelsbach, Karl, assignor.)
Friedrich, Wilhelm, Berlin-Lankwitz, Germany. Dry fire extinguisher. 1,638,729; Aug. 9.
Friedlaender, Isador L., Detroit, Mich. Vehicle shipping jack or bracket. Re16,698; Aug. 9.
Fritts, Edwin C., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 1,638,569; Aug. 9.
Froendt, George, Milford, Iowa. Watering device. 1,638,194; Aug. 9.
Fuci, Frank A., Pittsburgh, Pa. Gear-shift-control apparatus. 1,638,802; Aug. 9.
Fulda, Edward, New York, N. Y. Polishing device. 1,638,570; Aug. 9.
Fuller Brush Company, The. (See Van Veen, Anton, assignor.)
Fulton Syphon Company, The. (See Reeder, Frank C., assignor.)
Furedy, Frank, New York, N. Y., assignor to Bushwick National Bank. Pencil. 1,638,026; Aug. 9.
Gabriel, Joseph A., Cleveland, Ohio. Regulating valve for liquids and gases. 1,638,152; Aug. 9.
Gagnon, Samuel M., Lowell, assignor to The Saco-Lowell Shops, Boston, Mass. Locking device. 1,638,300; Aug. 9.
Galvin Electric Manufacturing Company. (See Galvin, J. F., and Kochner, assignors.)
Galvin, John F., and W. B. Kochner, assignors to Galvin Electric Manufacturing Company, St. Louis, Mo. Fan-oscillating mechanism. 1,638,027; Aug. 9.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Silent gear and making the same. 1,638,255; Aug. 9.
Gannett, Danforth K., Arverne, N. Y., and M. Kirkwood, East Orange, N. J., assignors to American Telephone and Telegraph Company. Electrical network. 1,638,437; Aug. 9.
Gardner, Frederic E., Beloit, Wis. Grinding machine. 1,638,028; Aug. 9.
Gardner, John E., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multi-office telephone system. 1,638,331; Aug. 9.
Gates, Grandon D., Derby, Conn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Liquid-cooling device. 1,638,571; Aug. 9.
Gearhart, Roy E., Kansas City, Mo. Electric welding or soldering device. 1,638,301; Aug. 9.
General Chemical Company. (See Derr, Ralph B., assignor.)
General Electric Company. (See Chapman, Charles H., assignor.)
General Electric Company. (See Hoof, Addison C., assignor.)
General Electric Company. (See Skaupy, Franz, assignor.)
General Electric Company. (See Stack, George E., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Church, Harold D., assignor.)
General Motors Corporation. (See Harris, Mark B., assignor.)
General Motors Corporation. (See Himes, Howard P., assignor.)
General Motors Corporation. (See McConkey, M. W., and Jones, assignors.)
General Motors Corporation. (See Taub, Alex, assignor.)
General Zeolite Company. (See Green, Walter H., assignor.)
Gensmer, Theodore, and R. Z. Farmer, Portland, Oreg., assignors to Automatic Transmission Company. Automatic gearless transmission. 1,638,689; Aug. 9.

Gerrish, Edward W., West Lynn, Mass. Hinged last. 1,638,627; Aug. 9.
Giandonato, Nicola, Philadelphia, Pa. Bolt-cutting device. 1,638,483; Aug. 9.
Gibbs, John H. (See Flood, C. A., and Gibbs.)
Gibson, George H., Montclair, N. J., and J. D. Yoder, assignors to Cochrane Corporation, Philadelphia, Pa. Water treatment. 1,638,803; Aug. 9.
Gilbough, Benjamin G., Los Angeles, Calif. Automatic oil cup. 1,638,484; Aug. 9.
Gilmour, Benjamin R., Yonkers, N. Y. Game. 1,638,094; Aug. 9.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic plate for railway cars. 1,638,153; Aug. 9.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Corrugated structure for railway cars. 1,638,154; Aug. 9.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Reenforcing hopper door for railway cars. 1,638,155; Aug. 9.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Corrugated metallic plate for railway cars. 1,638,156; Aug. 9.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,638,157; Aug. 9.
Gilson Manufacturing Company. (See Donald, Forrest V., assignor.)
Glaenzer, Harry, Philadelphia, Pa. Driving wheel for locomotives, etc. 1,638,663; Aug. 9.
Gobbato, Vittorio, Milan, Italy. Mechanism for reproducing all the movements of the steps of quadrupeds. 1,638,332; Aug. 9.
Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Gordon, Albert B., assignor to A. H. Opperman and T. Allebrandi, Indianapolis, Ind. Electrical hair curler. 1,638,302; Aug. 9.
Gorham, Joseph, et al. (See Moore, S., and Sheets, assignor.)
Gottschalk, Frederick P., Plainfield, N. J. Tool for the use of electricians. 1,638,438; Aug. 9.
Gottschalk, John W., Philadelphia, Pa. Scouring device. 1,638,804; Aug. 9.
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Granter, Jacob, and J. Davis, Oakland, Calif. Automobile signal device. 1,638,628; Aug. 9.
Grasselli Chemical Company, The. (See Howald, Arthur M., assignor.)
Grasselli Dyestuff Corporation. (See Cotton, William, assignor.)
Graves, George C., Rockford, Mich. Automobile sled attachment. 1,638,195; Aug. 9.
Green, Walter H., assignor to General Zeolite Company, Chicago, Ill. Chemical mixing and feeding apparatus. 1,638,119; Aug. 9.
Greene, Harry A., jr. (See Wood, S. J., and Greene.)
Greenfield, Hugh G., assignor of one-half to Variety Machinery Company, Tacoma, Wash. Veneer-taping machine. 1,638,664; Aug. 9.
Greenfield Tap & Die Corporation. (See Drake, Alden M., assignor.)
Greenstreet, Oliver P., Owensville, assignor of one-fourth to W. H. Oberg, St. Louis, and one-fourth to J. T. Tate, Owensville, Mo. Clothes washer. 1,638,730; Aug. 9.
Greenway, Richard J., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Antioffset mechanism for printing presses. 1,638,572; Aug. 9.
Greenway, Richard J., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Antioffset mechanism for printing presses. 1,638,573; Aug. 9.
Greenway, Richard J., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Antioffset mechanism for printing presses. 1,638,574; Aug. 9.
Greenway, Richard J., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Antioffset mechanism for printing presses. 1,638,575; Aug. 9.
Greenway, Richard J., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Antioffset mechanism for printing presses. 1,638,576; Aug. 9.
Gregg, Holland C., Ithaca, assignor, by mesne assignments, to A. S. Eveleth, Little Falls, N. Y. Egg receptacle for incubators. 1,638,303; Aug. 9.
Grimditch, William H., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Wood separator and preparing same. 1,638,765; Aug. 9.
Grimme, Natalis u. Co. Aktiengesellschaft. (See Schlitter, Willi, assignor.)
Griness, Frank. (See Travnicek, Frank.)
Groetken, Joseph J., Aurora, Ill. Fluid-testing device. 1,638,333; Aug. 9.
Grondahl, Lars O. (See Lee, F. W., and Grondahl.)
Grondahl, Lars O. (See Nettleton, L. L., and Grondahl.)
Grossbard, Barnet, San Francisco, Calif. Motor attachment for sewing machines. 1,638,256; Aug. 9.
Grosvold, Fred E., Eau Claire, Wis. Flexible waste-pipe cleaner. 1,638,766; Aug. 9.
Grubbs, Clark, Santa Ana, Calif. Miter box. 1,638,011; Aug. 9.
Guidi, Maurizio, Savona, Italy. Roller bearing. 1,638,029; Aug. 9.
Guillarmod, Jules J., New York, N. Y. Dial for watches or clocks. Des. 73,227; Aug. 9.
Gulbransen, Christian, assignor to Gulbransen Company, Chicago, Ill. Player grand piano. 1,638,629; Aug. 9.
Gulbransen Company. (See Gulbransen, Christian, assignor.)
Gulick, Edward J., Elkhart, Ind. Tampion pad. 1,638,808; Aug. 9.
Gunn, John M., London, Ontario, assignor to The McClary Manufacturing Co., London, Canada. Electric terminal fuse block. 1,638,257; Aug. 9.
Gustafson, Adolph P., Chicago, Ill. Pneumatic valve-controlling mechanism for musical instruments and the like. 1,638,485; Aug. 9.
Guth, Herbert Q., Elgin, assignor to Postl, Inc., Chicago, Ill. Exerciser. 1,638,196; Aug. 9.
Guy, Charles G., Victoria, British Columbia, Canada. Combined hose supporter and shirt adjuster. 1,638,304; Aug. 9.
Haas, Nelson R., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Battery-charging apparatus. 1,638,305; Aug. 9.
Haas, Philip, Dayton, Ohio. Flushing-valve mechanism. 1,638,395; Aug. 9.
Hake, Charles Y., York, Pa. Insect catcher. 1,638,690; Aug. 9.
Hall, Cortice H., Paterson, N. J., and W. Lloyd, Hazleton, Pa., assignors to Domestic Stoker Company, New York, N. Y. Fuel-stoking device. 1,638,396; Aug. 9.
Hall, Elbert J. (See Winslow, C. A., and Hall.)
Hall, Leslie S., Brantford, Ontario, Canada, assignor to Williams Tool Corporation, Erie, Pa. Pipe-threading machine. 1,638,030; Aug. 9.
Hall, Leslie S., assignor to Williams Tool Corporation, Erie, Pa. Steadying block for threading machines and the like. 1,638,031; Aug. 9.
Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,638,258; Aug. 9.
Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Forging mechanism. 1,638,259; Aug. 9.
Hannauer Car Retarder Company. (See Hannauer, G., and Wilcox, assignors.)
Hannauer, George, and E. M. Wilcox, Calumet City, assignors to Hannauer Car Retarder Company, Chicago, Ill. Control mechanism for brakes. 1,638,630; Aug. 9.
Hannauer, George, Calumet City, Ill., and E. M. Wilcox, Hammond, Ind., assignors to Hannauer Car Retarder Company, Chicago, Ill. Track-brake mechanism and control means therefor. 1,638,631; Aug. 9.
Hansen, Marius H., Chicago, Ill. Platform scale. 1,638,260; Aug. 9.
Hanson, Henry E., Nevis, Minn. Well screen. 1,638,731; Aug. 9.
Hantschel, Joseph, Appleton, Wis. Cigarette-dispensing machine. 1,638,732; Aug. 9.
Harmon, William L., Langley, Wash. Animal trap. 1,638,767; Aug. 9.
Harris, Ernest O. (See Dickens, J. R., Harris, and Warner.)
Harris, Frank S. (See Lewis, R. C., and Harris.)
Harris, George H. (See Adamson, Allan A., assignor.)
Harris, Mark B., assignor to General Motors Corporation, Detroit, Mich. Vehicle side curtain. 1,638,334; Aug. 9.
Hartford-Empire Company. (See Kuhrt, Otto C., assignor.)
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Hartman, Abraham L., Wapinitia, Oreg. Ironing table. 1,638,733; Aug. 9.
Hasselberg, Jens, Sacramento, Calif. Saw-swaging hammer. 1,638,632; Aug. 9.
Hausman, Walter J., St. Louis, Mo. Foldable checking table. 1,638,805; Aug. 9.
Havir, Andrew H., and H. V. Fletcher, assignors, by mesne assignments, to E. J. Rohne, Minneapolis, Minn. Tire-stripping machine. 1,638,306; Aug. 9.
Hawker, Ernest. (See McCoy, G. E., and Hawker.)
Hayes, Nora P., Porterwood, W. Va. Culinary implement. 1,638,486; Aug. 9.
Haywood, Clara L., Brooklyn, N. Y. Ventilated wall receptacle for food. 1,638,120; Aug. 9.
Heath, Wilfrid P., Chicago, Ill. Tuning radioreceivers. 1,638,734; Aug. 9.
Heine Boiler Company. (See Hinman, John H., assignor.)
Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,638,197; Aug. 9.
Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Remote control latch. 1,638,198; Aug. 9.
Heltzel, John N., Warren, Ohio. Expansion pedestal. Re16,694; Aug. 9.
Hennen, Albert E., Wheeling, W. Va. Combined powder container and toothbrush holder. 1,638,397; Aug. 9.
Henricson, Edwin, Detroit, Mich. Holder for punches or other tools. 1,638,261; Aug. 9.
Herman, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Machine for feeding and coating metal sheets. 1,638,398; Aug. 9.

Hermes, Maryanne, Fairmount, N. Dak. Nonrefillable bottle. 1,638,199; Aug. 9.
Herzberg, Otto W. (See Skirrow, F. W., and Herzberg.)
Herzog, John L., Saginaw, Mich. Rapid production of wooden panels from mill clippings and the like. 1,638,262; Aug. 9.
Hesch, Elwood F., Newport, Ky. Coaster vehicle. 1,638,487; Aug. 9.
Hess, C. B. (See Inhofe, Perry D., assignor.)
Hess-Bright Manufacturing Company, The. (See Brunner, Harold E., assignor.)
Hess-Bright Manufacturing Company, The. (See Linde, Andrew H., assignor.)
Hess, Francis M., Whiting, Ind. Method of and apparatus for cracking oil. 1,638,335; Aug. 9.
Hester, Stephen J., Raymond, Miss., assignor of one-half to J. I. Carter, Mayfield, Ky. Adjustable framing, drafting, and bevel square. 1,638,200; Aug. 9.
Hewitt, Peter C., deceased, Ringwood Manor; The Farmers' Loan and Trust Company, executor, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric apparatus. 1,638,158; Aug. 9.
Heywood, Charles F., Detroit, Mich. Starting internal-combustion engines. Re16,695; Aug. 9.
Heywood, Charles F., Detroit, Mich. Starting internal-combustion engines. Re16,696; Aug. 9.
Hickman, Kenneth C. D., assignor to Eastman Kodak Company, Rochester, N. Y. Roll film cartridge. 1,638,577; Aug. 9.
Hicks, Ernest. (See Myers, Ebeneser, assignor.)
Higgins, A. W., trustee. (See Brosi, Frederick T., assignor.)
Hill, Myron F., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone exchange. 1,638,578; Aug. 9.
Hilliard, John J., assignor to Baker Ice Machine Company of Texas, Fort Worth, Tex. Condenser. 1,638,806; Aug. 9.
Hills, Henry A., Grand Rapids, Mich. Continuous battery oil filter. 1,638,201; Aug. 9.
Himes, Howard P., assignor of one-half to General Motors Corporation, Detroit, Mich. Electric arc welding. 1,638,336; Aug. 9.
Himmelsbach, Karl, assignor to Fried. Krupp Aktiengellschaft, Essen-on-the-Ruhr, Germany. Fuel-injection device for internal-combustion engines. 1,638,032; Aug. 9.
Hinman, John H., assignor to Heine Boiler Company, St. Louis, Mo. Internal mandrel for sectional boiler headers. 1,638,633; Aug. 9.
Hirsch, Isidore, New York, N. Y. Renovating printer's type. 1,638,033; Aug. 9.
Hisey-Wolf Machine Company, The. (See Ritz, Emil, assignor.)
Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Glass-surfacing apparatus. 1,638,768; Aug. 9.
Hitchcock, Halbert K., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Leer construction. 1,638,769; Aug. 9.
Hocker, Carl D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating composition. 1,638,579; Aug. 9.
Hoe, R., and Co. (See Beveridge, Ernest G., assignor.)
Hoff, Carlton L., York, Pa. Tread grip for vehicle tires. 1,638,034; Aug. 9.
Hofstetter, Lawrence A., Union City, N. J. Lamp-socket construction. 1,638,691; Aug. 9.
Hohenstein, Frank and H. H., Rochester, N. Y. Coat collar. 1,638,692; Aug. 9.
Hohenstein, Henri. (See Hohenstein, Frank and H.)
Holinger, Emil F., assignor to E. Chase Crowley, New York, N. Y. Anticreeping device for railway rails. 1,638,095; Aug. 9.
Holinger, Emil F., assignor to E. Chase Crowley, New York, N. Y. Anticreeping device for railway rails. 1,638,096; Aug. 9.
Hood, Homer T. (See Robertshaw, G. A., and Hood.)
Hoof, Addison C., Hinsdale, Ill., assignor to General Electric Company. Blank for gears and making the same. 1,638,012; Aug. 9.
Hooks, Bess, Thomas Okla. Transplanting device. 1,638,693; Aug. 9.
Hoopes, Penrose R., Hartford, assignor to The New England Enameling Company, Inc., Middletown, Conn. Dispensing-machine case. Des. 73,228; Aug. 9.
Hopewell, Charles, Ottawa, Ontario, Canada. Device for holding collapsible tubes. 1,638,158; Aug. 9.
Hopfner, Arno H., Carlstadt, N. J. Circuit closer. 1,638,439; Aug. 9.
Hopwood, Charles A., St. Louis County, Mo. Double-cutting-edge golf sickle or scythe. 1,638,807; Aug. 9.
Horn & Brannen Manufacturing Co. Inc., The. (See Frerichs, Frederick A., assignor.)
Horning, Harry L., J. B. Fisher, and A. W. Pope, jr., assignors to Waukesha Motor Company, Waukesha, Wis. Heater. 1,638,581; Aug. 9.
Horton, Joseph W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmitting signals. 1,638,580; Aug. 9.
Hoskins, William, Chicago, Ill. Removing oil from oil-bearing materials. 1,638,530; Aug. 9.
Hossfeld, Harry E. (See Rose, D. E., Pulliam, and Hossfeld.)
Houch, Jay W., Minneapolis, Minn. Heat regulator. 1,638,582; Aug. 9.
Hovell, Frank. (See Barth, E. J., and Hovell.)
Howard, Arthur M., Pittsburgh, Pa., assignor to The Grasselli Chemical Company, Cleveland, Ohio, Wood preservation. 1,638,440; Aug. 9.
Howard, John C. (See Bray, Mark, assignor.)
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Ltd., Norfolk Downs, Mass. Carton-feeding machine. 1,638,399; Aug. 9.
Hudson, Alexander, Round Lake, Minn. Phonograph cabinet. Des. 73,229; Aug. 9.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 1,638,735; Aug. 9.
Hughes Tool Company. (See Fletcher, Harold W., assignor.)
Hughes Tool Company. (See Scott, Floyd L., assignor.)
Hulbert, Edwin F., Milwaukee, Wis., assignor, by mesne assignments, to the The Master Package Corporation. Making containers. 1,638,035; Aug. 9.
Hunt, John H., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Lighting and ignition magneto. 1,638,307; Aug. 9.
Hues, Frank, Elizabeth, N. J. Cuspidor container. 1,638,441; Aug. 9.
Hutton, Edward S., Muskogee, Okla. Rotary well drill. 1,638,337; Aug. 9.
Hydraulic Brake Company. (See Sherbino, Morton R., assignor.)
Hyman & Oppenheim. (See Oppenheim, Jesse, assignor.)
Hyperbo-Electric Flow Meter Co. (See Epstein, Hirsch, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Jellinck, K. and Christ, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Thienemann, Heins, assignor.)
Ideal Electric & Manufacturing Company, The. (See Putman, Henry V., assignor.)
Industrial Research Corporation. (See Buchenberg, Alvin E., assignor.)
Inhofe, Perry D., assignor to C. B. Hess, Des Moines, Iowa. Vaporizer for internal-combustion engines. 1,638,308; Aug. 9.
Inland Manufacturing Company, The. (See Lee, John W., assignor.)
International Shoe Company. (See Foley, William, assignor.)
Ireland, Charles E., Jamaica, N. Y., assignor to Rich & McLean, Inc. Typographical machine. 1,638,036; Aug. 9.
Isaacs, James, et al. (See Millinack, George H., assignor.)
Jackson, James R., Nashville, Tenn. Automatic gate propeller. 1,638,202; Aug. 9.
Jacobi, Edward N., assignor, by mesne assignments, to Briggs & Stratton Corporation, Milwaukee, Wis. Horn push button. 1,638,037; Aug. 9.
Jacobs, Charles E. (See Jacobs, Hugh A. and C. E.)
Jacobs, Hugh A. and C. E., Minneapolis, Minn. Multiple-needle hemstitching mechanism. 1,638,338; Aug. 9.
Jarrett, Brooke L. (See Stuart, Wallace A., assignor.)
Jayne, Irving, and E. R. Rinker, Davenport, Wash. Hair-waving device. 1,638,442; Aug. 9.
Jeannette Glass Company. (See Rinken, Peter G., assignor.)
Jeannin Electric Company, The. (See Jeannin, Harry W., assignor.)
Jeannin, Harry W., assignor to The Jeannin Electric Company, Toledo, Ohio. Electric motor. 1,638,531; Aug. 9.
Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
Jelenko, J. F., & Co. (See Aderer, Hugo, assignor.)
Jellinck, Karl, and W. Christ, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing ice colors on cotton. 1,638,121; Aug. 9.
Jenkins, Wellington E., Pittsburg, Kans. Container for blasting charges. 1,638,038; Aug. 9.
Jetel, Otto, Chicago, Ill. Laundry-bag holder. 1,638,203; Aug. 9.
Johnson, George F., Endicott, N. Y. Shoe. 1,638,339; Aug. 9.
Johnson, John H., Astoria, N. Y. Necktie supporter. 1,638,809; Aug. 9.
Johnson, Le Roy F., Willmar, Minn. Door-closing device for box cars. 1,638,694; Aug. 9.
Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Lubrication means for pumps and the like. 1,638,160; Aug. 9.
Johnstone, Robert M., Roselle Park, assignor to Cameron Machine Company, Brooklyn, N. Y. Slitting means. Re16,702; Aug. 9.
Jonas, Jacob F., Bellevue, Ky. Shoe-tip stiffener. 1,638,263; Aug. 9.
Jones, Arthur C., assignor to A. S. Kelly, South Pittsburg, Tenn. Insulated stove-top attachment. 1,638,770; Aug. 9.
Jones, Earle M., assignor to O. B. McClintock Company, Minneapolis, Minn. Automatic emergency lock for safes. 1,638,204; Aug. 9.

Jones, Edward M., St. Louis, Mo. Incinerator. 1,638,771; Aug. 9.
Jones, Fred E. (See McConkey, M. W., and Jones.)
Jones, Isaac, Denver, Colo. Combined flash light and handle. 1,638,039; Aug. 9.
Jones, Mortimer. (See Panajiotaros, A., and Jones.)
Joyce, Ada. (See Kadane, C., and Joyce.)
Jull, Charles H., Ben Avon, assignor to Pittsburgh, Erie Saw Company, Pittsburgh, Pa. Power saw. 1,638,122; Aug. 9.
Junkunc, John, Chicago, Ill. Tire lock. 1,638,264; Aug. 9.
Jurgens, Emil G. (See Becker, H. K., and Jurgens.)
Kabus, Fernand, Amsterdam, Netherlands, assignor to "Turmac" Turkish Macedonian Tobacco Co., Amsterdam. Ash tray with pedestal. 1,638,205; Aug. 9.
Kadane, Cora, and A. Joyce, Wichita Falls, Tex. Permanent-wave device. 1,638,443; Aug. 9.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kallmeyer, Ernst, New York, N. Y. Syringe head. 1,638,532; Aug. 9.
Karp, Jacob N. (See Smith, C. E., and Karp.)
Kavle, Oscar C., Syracuse, assignor to W. M. Weeks and J. A. Pease, Skaneateles, N. Y. Expander for bottle closures. 1,638,444; Aug. 9.
Kavle, Oscar C., Syracuse, assignor to Wallace M. Weeks and John A. Pease, Skaneateles, N. Y. Apparatus for sealing bottle closures. 1,638,445; Aug. 9.
Keener, William M., et al. (See Moore, S., and Sheets, assignors.)
Keese, Richard A. (See Baldwin, J. P. and Keese.)
Kehoe, William E., San Francisco, Calif. Display stand. Des. 73,230; Aug. 9.
Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri and Cie., Baden, Switzerland. Protective device for use in polyphase-current installations. 1,638,533; Aug. 9.
Keller, Will E., Los Angeles, Calif. Concrete wall construction. 1,638,583; Aug. 9.
Keller, Wm. H., Inc. (See Shaff, Ernest H., assignor.)
Kellogg, Alfred E., El Centro, Calif. Connecter for lubricating apparatus. 1,638,488; Aug. 9.
Kellogg Switchboard and Supply Company. (See Eaton, G. R., and Stazak, assignors.)
Kelly, Alan S. (See Jones, Arthur C., assignor.)
Kelly, Thomas, Butte, Mont. Legging. 1,638,206; Aug. 9.
Kelsay, Le Roy W., assignor to Western Electric Company, Incorporated, New York, N. Y. Cartridge fuse. 1,638,534; Aug. 9.
Kelvin Engineering Co. Inc. (See Merlis, Ira, assignor.)
Kemble, Thomas S., Lakewood, Ohio. Muffler construction. 1,638,309; Aug. 9.
Kemp, Archie R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plastic material. 1,638,535; Aug. 9.
Kennedy, Albert H., Rockport, Ind. Inking roller for typewriter ribbons. 1,638,340; Aug. 9.
Kennington, William O., London, England, assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,638,265; Aug. 9.
Kepler, Clell S., assignor of one-half to R. D. Klmm, Blairstown, Iowa. Portable blowtorch attachment. 1,638,341; Aug. 9.
Kessler, John J., St. Louis, Mo. Indurating porous objects. 1,638,342; Aug. 9.
Killebrew, Charlie A., Eastport, Fla., assignor to W. S. Sherman, Minneapolis, Minn. Board kicker for end-matching machines. 1,638,310; Aug. 9.
Killen, George B., Chicago, Ill. Invalid's toilet chair. 1,638,040; Aug. 9.
Klmm, Rudolph D. (See Kepler, Clell S., assignor.)
Kindl, Carl H., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Ignition system. 1,638,266; Aug. 9.
Kingsley, Francis, Pelham Manor, N. Y. Polishing shoes. 1,638,007; Aug. 9.
Kinsler, George B., Hartford, assignors of one-third to A. J. Brodeur, West Hartford, Conn. Universal joint. 1,638,400; Aug. 9.
Kirk, Charles J., New Castle, Pa. Flush-valve-operating means. 1,638,161; Aug. 9.
Kirkwood, Maclean. (See Gannett, D. K., and Kirkwood.)
Kirschbraun, Lester, Chicago, Ill., and R. T. Pollock, Boston, Mass., assignors to Universal Oil Products Company, Chicago, Ill. Valve. 1,638,162; Aug. 9.
Kitson Machine Shop. (See Whittier, J. K., Langevin, and Curley, assignors.)
Klaus, Fred R., assignor to The American Welding and Manufacturing Company, Warren, Ohio. Cushion tire structure and method of applying to wheels. 1,638,810; Aug. 9.
Kloss, Vitalis M., assignor of one-half to E. W. Tersh, Minneapolis, Minn. Bottle stopper. 1,638,207; Aug. 9.
Knudsen, Niels, Ogden, Utah. Tile-pipe holder. 1,638,343; Aug. 9.
Kocher, Louis, Omaha, Nebr. Window shutter. 1,638,344; Aug. 9.
Kochner, William B. (See Galvin, J. F., and Kochner.)
Korkames, Joe, Temple, Tex. Combined chocolate dipping table and cooler. 1,638,041; Aug. 9.
Krank, Alfred J., St. Paul, Minn. Adjustable powder dispenser. 1,638,584; Aug. 9.
Kraus, Harry G., Orange, N. J. Boiler. 1,638,163; Aug. 9.
Kress, Fritz, Dresden, Germany. Gasifier for liquid fuel. 1,638,772; Aug. 9.
Krueger, Theodore H., New York, N. Y. Tape-serving device. 1,638,815; Aug. 9.
Krueger, Theodore H., New York, N. Y. Tape-serving device with inclined guide. 1,638,816; Aug. 9.
Kuhn, H. L., et al. (See Moore, S., and Sheets, assignors.)
Kuhne, Beat, Lewistown, Mont. Milk-bottle cap. 1,638,489; Aug. 9.
Kuhne Beat, Lewistown, Mont. Milk-bottle cap. 1,638,490; Aug. 9.
Kuhrt, Otto C., Mount Vernon, N. Y., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for annealing glassware. 1,638,401; Aug. 9.
Küpfmüller, Karl, Berlin-Friedenau, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Distortion compensator. 1,638,536; Aug. 9.
Kupka, Johann, London, England. Cylinder casting for steam engines. 1,638,736; Aug. 9.
Kusterer, Carl C., Grand Rapids, Mich. Morris-chair frame. Des. 73,231; Aug. 9.
Kusterer, Carl C., Grand Rapids, Mich. Morris-chair frame. Des. 73,232; Aug. 9.
Kutchka, Karl G., Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company. Glass-melting tank. 1,638,737; Aug. 9.
Kyrides, Lucas P. (See Livingston, J. W., and Kyrides.)
Lachman, Laurence S., New York, N. Y., assignor to Universal Electric Welding Company. Girder. 1,638,634; Aug. 9.
Lachman, Laurence S., New York, N. Y., assignor to Universal Electric Welding Company. Girder. 1,638,635; Aug. 9.
Lachman, Laurence S., New York, N. Y., assignor to Universal Electric Welding Company. Electrically-welded girder. 1,638,636; Aug. 9.
Lachman, Laurence S., New York, N. Y., assignor to Universal Electric Welding Company. Girder. 1,638,637; Aug. 9.
Ladd, John W., Co. (See Williams, Henry B., assignor.)
La Joie, Hubert J., East Orange, N. J., and U. Urquhart, New York, N. Y., assignors to Auto Pneumatic Action Company. Pneumatic action for musical instruments. 1,638,345; Aug. 9.
Lambert, Fiennes T. (See Perrett, I. G., and Lambert.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Langevin, Felix D. (See Whittier, J. K., Laugevin, and Curley.)
Larison, Eldon L., Anaconda, Mont. Device for distributing liquids. 1,638,042; Aug. 9.
Larter & Sons. (See Larter, Warren R., assignor.)
Larter, Warren R., assignor to Larter & Sons, Newark, N. J. Collar button. 1,638,491; Aug. 9.
Lasater, John P., Paris, Tenn. Bottle. Des. 73,233; Aug. 9.
Lathrop, Alfred L., Waukesha, Wis. Mixing device. 1,638,585; Aug. 9.
Laughery, E. A., (Mrs.) (See Schultz, Edward, assignor.)
Laury, Napoleon A., Rockville Center, N. Y. Production of anhydrous sodium bisulphite. 1,638,492; Aug. 9.
Leahy, Richard A., Bonne Terre, Mo. Method of and apparatus for screening granular materials. Re16,701; Aug. 9.
Le Bel, Joseph H., Detroit, Mich. Funnel. 1,638,446; Aug. 9.
Lee, Frederick W., Baltimore, Md., and L. O. Grondahl, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,638,043; Aug. 9.
Lee, Harry P., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Reel or swift. 1,638,586; Aug. 9.
Lee, John W., assignor to The Inland Manufacturing Company, Dayton, Ohio. Handwheel. 1,638,044; Aug. 9.
Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
Leitner, Henry, Croydon, England. Screw propeller. 1,638,695; Aug. 9.
Le Pere, John G., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Corn popper. 1,638,493; Aug. 9.
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Coal-mining apparatus. 1,638,447; Aug. 9.
Levy, Harry, Chicago, Ill. Bathtub cover. 1,638,346; Aug. 9.
Lewis Foundry & Machine Company. (See Lucas, John, assignor.)
Lewis Foundry & Machine Company. (See Schralshuhn, Theodore A., assignor.)
Lewis, George W., Berlin, assignor to G. H. Blood, Marlboro, Mass. Ironing table. 1,638,347; Aug. 9.
Lewis, Leon I., Midwest, Wyo. Transmission gearing. 1,638,348; Aug. 9.
Lewis, Rush C., and F. S. Harris, Abilene, Tex. Casing puller and cutter. 1,638,494; Aug. 9.
Lewis, Thomas J., New York, N. Y. Combination display and vanity case. 1,638,638; Aug. 9.
Lewis, Thomas J., New York, N. Y. Compact press and making compacts. 1,638,696; Aug. 9.

Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Molding machine. 1,638,605; Aug. 9.
Lichty Metal Products Company. (See Lichty, N. A., and Ostrander, assignors.)
Lichty, Norman A., and C. L. Ostrander, assignors to Lichty Metal Products Company, Waterloo, Iowa. Ventilator outtake flue. 1,638,736; Aug. 9.
Linde, Andrew H., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Cage for ball bearings. 1,638,537; Aug. 9.
Linde, Andrew H., assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Cage for ball bearings. 1,638,538; Aug. 9.
Link-Belt Company. (See Morehead, G. L., and O'Neil, assignors.)
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Spring shackle. 1,638,587; Aug. 9.
Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,638,588; Aug. 9.
Lipper, Clarence, Philadelphia, Pa. Hat. 1,638,846; Aug. 9.
Livingston, John W., Hamburg, and L. P. Kyrides, Buffalo, N. Y. Manufacture of nitrobensene. 1,638,045; Aug. 9.
Ljungström, Fredrik, Lidingo-Brevik, and N. F. F. Andersson, assignors to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Regenerative air and gas preheater. 1,638,539; Aug. 9.
Lloyd, William. (See Hall, C. H., and Lloyd.)
Lobe, Fritz, Breslau, Germany. Friction coupling. 1,638,778; Aug. 9.
Locke, Albert R., Chicago, Ill. Selective circuit system and remote control. 1,638,774; Aug. 9.
Locker, Lando, and O. M. Frazier, Hoisington, Kans. Soft-drink refrigerator. 1,638,402; Aug. 9.
Long, George H., Lankershim, Calif., Jumping device. 1,638,250; Aug. 9.
Longbottom, Charles H. R., Brooklyn, N. Y. Musical instrument. 1,638,495; Aug. 9.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Firearms. 1,638,351; Aug. 9.
Louw, Wolsey N. C., New Modder, Transvaal, South Africa. Steam-escape device for cooking utensils and the like. 1,638,589; Aug. 9.
Lowe, Ernest G., Hartford, Ill. Holdfast for stretching hides and leather. 1,638,046; Aug. 9.
Lucas, John, assignor to Lewis Foundry & Machine Company, Pittsburgh, Pa. Shearing and forging press. 1,638,403; Aug. 9.
Lucas, Jonathan, Savannah, Ga., assignor to Lucas-Lamborn Loom Corporation, New York, N. Y. Tension device for loom shuttles. 1,638,496; Aug. 9.
Lucas-Lamborn Loom Corporation. (See Lucas, Jonathan, assignor.)
Ludwick, Harlan M., Parkesburg, Pa. Lubricator. 1,638,775; Aug. 9.
Ludwig, William C. (See Carruth, H. P., and Ludwig.)
Lufkin Rule Co. (See Witchger, Eugene J., assignor.)
Lundell, George A. E., New York, N. Y. Telephone-exchange system. 1,638,540; Aug. 9.
Lutton, William J., Paterson, N. J. Let-off mechanism for looms. 1,638,497; Aug. 9.
MacKenzie, Philip, San Francisco, Calif. Clutch mechanism for a constant-mesh gear transmission. 1,638,590; Aug. 9.
Maclaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Message carrier. 1,638,047; Aug. 9.
Maehler, Arthur, and K. Siegele, Chicago, Ill.; said Siegele assignor to said Maehler. Method of and apparatus for drying and enameling. 1,638,811; Aug. 9.
Maehler, Arthur, and H. Thate, Chicago, Ill.; said Thate assignor to said Maehler. Drying and enameling oven. 1,638,812; Aug. 9.
Magliano, Thomas, River Forest, Ill. Coffee maker. 1,638,013; Aug. 9.
Mailey, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Circuit connecter. 1,638,123; Aug. 9.
Mallette, Earl C., Baskin, La. Demountable-rim wheel. 1,638,352; Aug. 9.
Maney, Thomas, Louisville, Ky. Guard-rail fastening. 1,638,739; Aug. 9.
Manson, Donald L., assignor to M. A. Manson, New York, N. Y. Golf tee. 1,638,448; Aug. 9.
Manson, Mary A. (See Manson, Donald L., assignor.)
Marcus, Jacob. (See Freydberg, A., and Marcus.)
Marsland, Roland. (See Carey, H. F., and Marsland.)
Marsland, Roland, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine blading. 1,638,639; Aug. 9.
Martocello, Joseph A., Philadelphia, Pa. Raw-water system for making ice. 1,638,776; Aug. 9.
Marvie Products Limited. (See Barnes-Thomas, Albert, assignor.)
Mason, William P., New Mile End, South Australia, assignor of one-half to N. S. Spencer, Adelaide, Australia. Hydraulic shock absorber for motor vehicles. 1,638,777; Aug. 9.
Master Package Corporation, The. (See Hulbert, Edwin P., assignor.)
Matheson, Andrew A., Denver, Colo. Sugar-beet-seed dropper. 1,638,045; Aug. 9.
Mavrogenis, Aristote, Milwaukee, Wis. Electron-discharge device. 1,638,499; Aug. 9.
Maxfield, Fred E. (See Ware, Charles I., assignor.)
Maxson, Rolland H., assignor, by mesne assignments, to The Burdick Corporation, Milton, Wis. Therapeutic appliance. 1,638,353; Aug. 9.
McAndrew, Michael J., Clarksburg, W. Va. Rail tie. 1,638,740; Aug. 9.
McAshland, Wilbur E., Reeds, Mo. Testing case for inner tubes or the like. 1,638,049; Aug. 9.
McCardell, J. R., & Co. (See Baldwin, William M., assignor.)
McClary Manufacturing Co., The. (See Gunn, John M., assignor.)
McClintock, O. B., Company. (See Jones, Earle M., assignor.)
McConkey, Montgomery W., Ferndale, and F. E. Jones, assignors to General Motors Corporation, Detroit, Mich. Motor vehicle. 1,638,554; Aug. 9.
McCormick, Edgar B. (See Zentz, James R., assignor.)
McCoy, George E., and E. Hawker, Moncton, New Brunswick, Canada. Journal box. 1,638,124; Aug. 9.
McGinniess, John, Trinidad, Colo., assignor to McGinniess Vehicle Wheel Company. Vehicle wheel. 1,638,741; Aug. 9.
McGinniess Vehicle Wheel Company. (See McGinniess, John, assignor.)
McIntyre, John, Portobello, Edinburgh, Scotland, assignor of one-half to Swinfen Bramley-Moore, New York, N. Y. Grinding, refining, and mixing machine. 1,638,355; Aug. 9.
McIntyre, Mae. (See Fotheringham, T. B., and McIntyre.)
McKash, Charles, Hoquiam, Wash. Actor's make-up kit. 1,638,356; Aug. 9.
McManus, Charles E., New York, N. Y. Cushion material for bottle closures. 1,638,541; Aug. 9.
McMath, A. G., et al. (See Everts, Walter W., assignor.)
McMullen, John, Buffalo, N. Y. Hopper-car door. 1,638,126; Aug. 9.
McNutt, William H., New York, N. Y. Torch. 1,638,498; Aug. 9.
Mead, George J., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Fire extinguisher. 1,638,050; Aug. 9.
Mead Pulp & Paper Company, The. (See Carruth, H. P., and Ludwig, assignors.)
Mehline, Emile, Hollywood, assignor to Evans Brake & Supply Co., Los Angeles, Calif. Tractor brake. 1,638,357; Aug. 9.
Mekelburg, Earl F. (See Campbell, H. E., and Mekelburg.)
Melvin, Frank E., et al. (See Edgar, G. B., and Melvin, assignors.)
Melvin, Leighton R. (See Edgar, G. B., and Melvin.)
Melvin, Robert A., et al. (See Edgar, G. B., and Melvin, assignors.)
Merlis, Ira, assignor to Kelvin Engineering Co. Inc., New York, N. Y. Evaporator. 1,638,697; Aug. 9.
Merrill, Riley E., Austin, Tex. Floor-polishing machine. 1,638,591; Aug. 9.
Mesa, Joseph O., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch. 1,638,542; Aug. 9.
Miller, Arthur, Astoria, N. Y. Ventilator. 1,638,698; Aug. 9.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 73,234; Aug. 9.
Miller, Joseph H., Harrisburg, Tex. Dispensing can. 1,638,778; Aug. 9.
Miller, Joseph H., Harrisburg, Tex. Dispensing receptacle. 1,638,779; Aug. 9.
Millholland, James H., assignor to John S. Clement Company, Inc., Philadelphia, Pa. Floor waxer. 1,638,500; Aug. 9.
Mirosav, Samuel J., Dallas, Tex. Saving bank. 1,638,404; Aug. 9.
Mische, Frank, and K. Boschitsch, Cleveland, Ohio. Buffer or bumper for automobiles. 1,638,501; Aug. 9.
Mitchell, Harry G., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Manufacture of alkyl carbonates. 1,638,014; Aug. 9.
Mitkewich, Wladimir W., Brooklyn, assignor of thirty-three and one-third per cent to R. Vitolo and thirty-three and one-third per cent to D. A. Rodionoff, New York, N. Y. Air writing with searchlight beams. 1,638,051; Aug. 9.
Mitton, Robert E., Salt Lake City, Utah. Piston valve for the control of fluids. 1,638,405; Aug. 9.
Moburg, Almer L., Palma, Calif. Underground antenna. 1,638,699; Aug. 9.
Moeller, Albert. (See Cornwall, V. O., and Moeller.)
Molofsky, David, assignor to Silmo Chemical Company, Inc., Vineland, N. J. Fish-oil product and making the same. 1,638,700; Aug. 9.
Monheimer, Henry F., assignor to Campo Corporation, New York, N. Y. Union suit. 1,638,592; Aug. 9.
Mooney, Ernest, York, England. Lubricating device for railway vehicle axles. 1,638,640; Aug. 9.
Moore, Charles B., Mattoon, Ill. Tread attachment for wheels. 1,638,449; Aug. 9.
Moore, George A., Wilmington, N. C. Automatic cut-off and drainage valve. 1,638,052; Aug. 9.

Moore, Ira A., and T. M. Ely, Cedar Rapids, Iowa. Railway-crossing gate. 1,638,502; Aug. 9.
Moore, Samuel, and F. O. Sheets, assignors of part interest to D. Scruggs, C. Morgan, J. Gorham, and R. Thompson, Fairmont, and H. L. Kuhn, Shinnston, said F. O. Sheets, said Samuel Moore, and W. M. Keener, Fairmont, W. Va. Headlight. 1,638,450; Aug. 9.
Moose, L. O., et al. (See Rufty, Verdie C., assignor.)
Morehead, George L., and F. S. O'Neil, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Steel conveyer chain and link. 1,638,267; Aug. 9.
Morgan & Wright. (See Coffin, Joseph G., assignor)
Morgan, Charles F., Jackson, Tenn. Grain door. 1,638,503; Aug. 9.
Morgan, Clifton O., Youngstown, Ohio. Electrical heating device for smoothing and drying hair on a person's head. 1,638,268; Aug. 9.
Morgan, Clyde, et al. (See Moore, S., and Sheets, assignors.)
Morin, Charles A., Boston, Mass. Waterproofed insole. 1,638,504; Aug. 9.
Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Printing press. 1,638,543; Aug. 9.
Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Printing press. 1,638,544; Aug. 9.
Moseley, William S. (See Bergendahl, O. E., and Rimel, assignors.)
Mowry, Preston W., assignor to The Nu-Idea Company, Inc., Boston, Mass. Demonstrating machine. 1,638,406; Aug. 9.
Mueller, Otto L. (See Mueller, Rudolph and O. L.)
Mueller, Rudolph and O. L., Chicago, Ill. Trap. 1,638,545; Aug. 9.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for conveying plastic glass. 1,638,593; Aug. 9.
Müller, Joseph, Dayton, N. J. Water regulator. 1,638,053; Aug. 9.
Mullinack, George H., assignor of twenty-three one-hundredths to A. E. Simpson, and twenty-three one-hundredths to J. Isaacs, West Frankfort, Ill. Emergency repair for pipes. 1,638,269; Aug. 9.
Mundell, Herbert J., Summerville, Oreg. Aeroplane. 1,638,358; Aug. 9.
Murakami, Rin N., assignor to H. W. Bolens, Port Washington, Wis. Fuel economizer. 1,638,015; Aug. 9.
Murphy, Audley. (See Welch, P., and Murphy.)
Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. Railway-hopper-car door. 1,638,126; Aug. 9.
Murray, Thomas E. (See Woodrow, Harry R., assignor.)
Murray, Thomas E., Brooklyn, N. Y. Valve and the like and method of manufacture. 1,638,546; Aug. 9.
Myers, Ebenezer, assignor of one-half to E. Hicks, Concord, N. C. Removable brush head. 1,638,054; Aug. 9.
Myers, Marcus A., assignor to Myers' Woolly Animals, Inc., Gloversville, N. Y. Purse. 1,638,594; Aug. 9.
Myers, Winter W., Brooklyn, assignor to Austral Window Company, New York, N. Y. Locking mechanism for window sashes. 1,638,547; Aug. 9.
Myers' Woolly Animals, Inc. (See Myers, Marcus A., assignor.)
Myrick, Ralph E., Montgomery, Ala. Display container. 1,638,208; Aug. 9.
Nagle, Perry I., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Rotary pump with liner plate. 1,638,055; Aug. 9.
Nash, William C., Neenah, Wis. Antifrost vision glass. 1,638,505; Aug. 9.
National Cash Register Company, The. (See Robertson, William H., assignor.)
National Formetal Company, The. (See Raus, John, assignor.)
National Metal Molding Company. (See Renshaw, Clarence, assignor.)
Neil, James, Anniesland, Glasgow, Scotland. Exhaust silencer for internal-combustion engines. 1,638,780; Aug. 9.
Nelson, Christian K., Onawa, Iowa, assignor to Eskimo Pie Corporation, Chicago, Ill. Confection and process for making confections. 1,638,548; Aug. 9.
Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Inc., Chicago, Ill. Lighting fixture. Des. 73,235; Aug. 9.
Nettles, Isaac, Cleveland, Ohio. Velocipede. 1,638,781; Aug. 9.
Nettleton, Lewis L., Edgewood Borough, and L. O. Grondahl, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,638,056; Aug. 9.
New England Enameling Company. (See Hoopes, Penrose R., assignor.)
New Jersey Machine Corporation. (See Feybusch, M., and Fleischer, assignors.)
New York Air Brake Company, The. (See Vroman, Erwin C., assignor.)
Niebuhr, William C., St. James, Minn. Separable ring. 1,638,209; Aug. 9.
Nilsson, Nils O., Worcester, Mass. Feed box. 1,638,270; Aug. 9.
Nixon, Thomas M., Victoria, British Columbia, Canada. Spark arrester. 1,638,451; Aug. 9.
Noelting, William H., assignor to Faultless Caster Company, Evansville, Ind. Furniture-leg slide. 1,638,359; Aug. 9.
Nordstrum, George W., Chicago, Ill. Antifriction bearing. 1,638,271; Aug. 9.
Northwestern Collapsible Carrier Co. (See Woolsey, Charles A., assignor.)
Norwood, Harry G., assignor, by mesne assignments, to Balloon Rubber Heel Company, Inc., Baltimore, Md. Rubber-cushioned heel. 1,638,701; Aug. 9.
Nu-Idea Company, The. (See Mowry, Preston W., assignor.)
Oberg, Walter H., et al. (See Greenstreet, Oliver P., assignor.)
Oberle, Alfred, assignor of one-half to T. E. Scofield, Kansas City, Mo. Recovering vanadium from petroleum hydrocarbons. 1,638,057; Aug. 9.
O'Brien, Thomas, Philadelphia, Pa. Combined bumper and brush attachment for vehicles. 1,638,641; Aug. 9.
O'Brien, William, Washington, Pa. Grooved wheel. 1,638,702; Aug. 9.
Ohlwiler, Clarence H., assignor to American Optical Company, Southbridge, Mass. Composition for cleaning glass which will prevent misting and the collection of globules of moisture thereon. 1,638,272; Aug. 9.
Ohmart, Grayston L., Detroit, Mich. Dishwashing machine. 1,638,549; Aug. 9.
Olson, Carl, Manistee, Mich. Ash-can cover. 1,638,360; Aug. 9.
O'Neil, Frank S. (See Morehead, G. L., and O'Neil.)
Oppenheim, Jesse, assignor to Hyman & Oppenheim, New York, N. Y. Hair-piece attachment. 1,638,016; Aug. 9.
Opperman, August H., et al. (See Gordon, Albert B., assignor.)
Osborn, Henry C., assignor to The American Multigraph Company, Cleveland, Ohio. Platen release for printing presses. 1,638,506; Aug. 9.
Osborne, John L. (See Buchanan, G. H., and Osborne.)
Ostrander, Charles L. (See Lichty, N. A., and Ostrander.)
O'Toole, Edward, Gary, W. Va. Mining and loading machine. 1,638,507; Aug. 9.
Overbeck, Otto G. C. L. J., Grimsby, England. Electric body comb. 1,638,407; Aug. 9.
Paasche, Jens A., Wilmette, Ill. Air brush and the like. 1,638,550; Aug. 9.
Pacz, Aladar, East Cleveland, Ohio. Method and composition of matter for surface-treating aluminum. 1,638,273; Aug. 9.
Panajiotaros, Athanasios, and M. Jones, Fort Worth, Tex.; said Panajiotaros now, by judical change of name, Tom Peters. Self-basting rotary roaster. 1,638,452; Aug. 9.
Panyard, John F., Detroit, Mich. Piston packing. 1,638,453; Aug. 9.
Papin, Henry J., Grand Rapids, Mich. Grip. 1,638,454; Aug. 9.
Paraffine Companies. (See Rosener, Leland S., assignor.)
Parker, King L., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Fan blade. 1,638,129; Aug. 9.
Parker, William S., assignor to Burson Knitting Company, Rockford, Ill. Cam-slide adjustment for knitting machines. 1,638,164; Aug. 9.
Parkinson, Daniel M., Dayton, Ohio. Window-shade bracket. 1,638,742; Aug. 9.
Paton, Clyde R., assignor to The Studebaker Corporation, South Bend, Ind. Automobile construction. 1,638,782; Aug. 9.
Paulson, Clark M., Montevideo, Minn. Storm shield for automobiles. 1,638,508; Aug. 9.
Pease, John A., et al. (See Kavle, Oscar C., assignor.)
Pedulla, Nicola, Meyersdale, Pa. Mining machine. 1,638,361; Aug. 9.
Pendleton, Charlie A., Cramerton, N. C. Fuse puller. 1,638,703; Aug. 9.
Pennsylvania Wire Glass Company. (See Shuman, Arno, assignor.)
Perkins, Charles M., Cohoes, N. Y. Thread-using machine. 1,638,210; Aug. 9.
Perrett, Ivor G., Osterley, and F. T. Lambert, Clapham, London, England; said Perrett assignor to said Lambert. Slicing machine. 1,638,362; Aug. 9.
Perry, Winthrop L. (See Borovoy, S., and Perry.)
Peters Machinery Company. (See Becker, H. K., and Jurgens, assignors.)
Peters, Tom. (See Panajiotaros, A., and Jones.)
Petersen, Anker, Winthrop, Mass., assignor, by mesne assignments, to Zenith Thread Company, Detroit, Mich. Braiding carrier. 1,638,455; Aug. 9.
Peterson, Gust W., and B. T. Walls, Long Beach, Calif. Pendant ornament. 1,638,743; Aug. 9.
Philippart, Emile, Liege, Belgium. Automatic pistol. 1,638,783; Aug. 9.
Pick, Albert, & Company. (See Pick, Hugo, assignor.)
Pick, Hugo, Winnetka, assignor to Albert Pick & Company, Chicago, Ill. Combined mirror and rack. 1,638,509; Aug. 9.
Pike, Norman C., Seattle, Wash. Dispensing device. 1,638,456; Aug. 9.
Pitney-Bowes Postage Meter Company. (See Sheldrick, George E., assignor.)
Pittsburgh-Erie Saw Company. (See Jull, Charles H., assignor.)
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)

Pittsburgh Plate Glass Company. (See Hitchcock, Halbert R., assignor.)
Pittsburgh Plate Glass Company. (See Kutchka, Karl G., assignor.)
Pittsburgh Producers Supply Company. (See Banks, Reeve H., assignor.)
Philadelphia Storage Battery Company. (See Grimditch, William H., assignor.)
Plunkett, August E., Los Angeles, Calif. Loose-leaf binder. 1,638,784; Aug. 9.
Pneumatic Scale Corporation. (See Butler, James A., assignor.)
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Poirier, Henry, New Bedford, Mass. Self-threading shuttle. 1,638,595; Aug. 9.
Pollock, Robert T. (See Kirschbraun, L., and Pollock.)
Poison, William F., Buffalo, N. Y. Transmission or brake band. 1,638,211; Aug. 9.
Pope, Arthur W., jr. (See Horning, H. L., Fisher, and Pope.)
Pope, Charles A., Elisabeth, N. J. Calf and ankle grip. 1,638,704; Aug. 9.
Post, Sid, et al. (See Everts, Walter W., assignor.)
Postl, Inc. (See Guth, Herbert Q., assignor.)
Powell, John M., Galax, Va. Apparatus for exercising eye muscles. 1,638,058; Aug. 9.
Prat-Daniel Corporations. (See Whiton, Louis C., assignor.)
Premier Electric Company. (See Snell, James C., assignor.)
Prentiss-Wabers Stove Company. (See Taylor, T. A., and Yeager, assignor.)
Pressel, Adam H., Halifax, Pa. Molded-flange insole. 1,638,705; Aug. 9.
Priestman, Thomas J., Birmingham, England. Paving Block. 1,638,744; Aug. 9.
Pucek, Ferdinand, Johnson City, N. Y. Sound-recording mechanism. 1,638,059; Aug. 9.
Pulliam, Keeling G., jr. (See Rose, D. E., Pulliam, and Hossfeld.)
Putman, Henry V., assignor to The Ideal Electric & Manufacturing Company, Mansfield, Ohio. Starting apparatus for synchronous motors. 1,638,274; Aug. 9.
Putnam, Delmer M. (See Dunlap, H. M., and Putnam.)
Quates, Leonard S., Montgomery, Ala. Automatic releasing valve for air-brake systems. 1,638,457; Aug. 9.
Que, Jose E., Manila, P. I. Traffice signal. 1,638,706; Aug. 9.
Rabus, George F., Cedar Rapids, Iowa. Pencil-printing press. 1,638,127; Aug. 9.
Rahling, Henry D., East Aurora, assignor to Steel Drum Accessories Corporation, Buffalo, N. Y. Valve body. Des. 73,236; Aug. 9.
Randolph, Lloyd G., Big Run, Pa. Pan-turning device for cooking stoves. 1,638,745; Aug. 9.
Ratnour, William H., Sherrill, N. Y. Light-deflecting attachment for headlights of motor vehicles. 1,638,408; Aug. 9.
Rau, Henry V., assignor to Edward B. Stimpson Company, Brooklyn, N. Y. Rivet. 1,638,165; Aug. 9.
Raus, John, assignor to The National Formetal Company, Cleveland, Ohio. Fire extinguisher. 1,638,017; Aug. 9.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Buttonhole-sewing machine. 1,638,785; Aug. 9.
Rayfield, Fred J., Chicago, Ill., assignor to Champion Pneumatic Machinery Co. Automatic air-compressor unit. 1,638,212; Aug. 9.
Rayner, Albert R., Beaver, Pa. Railway-track rail. 1,638,458; Aug. 9.
Reed, Abraham, executor. (See Whitham, Frederic E.)
Reed, Charles E. (See Schults, Herman A., assignor.)
Reeder, Frank C., assignor, by mesne assignments to The Fulton Syphon Company, Knoxville, Tenn. Combined temperature and pressure regulator. 1,638,596; Aug. 9.
Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Bobbin-driving shaft for winding frames and its bearing arrangement. 1,638,060; Aug. 9.
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Renshaw, Clarence, deceased, M. B. Renshaw, executrix, assignor to National Metal Molding Company, Pittsburgh, Pa. Outlet box. 1,638,510; Aug. 9.
Renshaw, Maidee B., executrix. (See Renshaw, Clarence.)
Reschke, William F., Wichita, Kans. Shock absorber for oil-well pump rods. 1,638,213; Aug. 9.
Rice, Thomas R., and F. W. Williams, Santa Maria, Calif. Cigarette case. 1,638,363; Aug. 9.
Rich & McLean, Inc. (See Ireland, Charles R., assignor.)
Riedel, Walter W., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,638,214; Aug. 9.
Rimel, Robert A. (See Bergendahl, O. E., and Rimel.)
Rinkea, Peter G., Chicago, Ill., assignor to Jeannette Glass Company, Jeannette, Pa. Bowl. 1,638,409; Aug. 9.
Rinker, Ella R. (See Jayne, I., and Rinker.)
Rinman, Erik L. Djarsholm, Sweden. Dry distillation of alkalised waste liquor from the soda cellulose manufacture. 1,638,061; Aug. 9.
Ritz, Emil, Mount Healthy, assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Grinding-wheel guard. 1,638,459; Aug. 9.
Robertshaw, George A., and H. T. Hood, Greensburg, assignors to Robertshaw Thermostat Company, Youngwood, Pa. Electric thermostat. 1,638,410; Aug. 9.
Robertshaw Thermostat Company. (See Robertshaw, G. A., and Hood, assignors.)
Robertson, William H., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 1,638,275; Aug. 9.
Robinson, Lula H., Dallas, Tex. Device for vertically adjusting drapery hangers. 1,638,411; Aug. 9.
Robinson, Thomas, assignor to Anaconda Sales Company, New York, N. Y. Roofing element. 1,638,746; Aug. 9.
Rochette, Henry C., assignor to Scovill Manufacturing Company, Waterbury, Conn. Relay. 1,638,098; Aug. 9.
Rockefeller, John W., jr., assignor to John Chatillon & Sons, New York, N. Y. Scale head. Des. 73,237; Aug. 9.
Rodgers, Claude M., assignor to South Bend Bait Co., South Bend, Ind. Fishing bait. 1,638,215; Aug. 9.
Rodionoff, Daniel A., et al. (See Mitkewich, Wladimir W., assignor.)
Roessler & Hasslacher Chemical Company, The. (See Carveth, Hector R., assignor.)
Rohen, Even J. (See Havir, A. H., and Fletcher, assignors.)
Ronci, Victor L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,638,551; Aug. 9.
Rorabeck, Claude, Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Endless-chain excavator bucket with digging teeth. 1,638,099; Aug. 9.
Roschitsch, Karl. (See Mische, F., and Roschitsch.)
Rose, D. E. Trunk Co. Inc. (See Rose, D. E., Pulliam, and Hossfeld, assignors.)
Rose, David E., and K. G. Pulliam, jr., Los Angeles, and H. E. Hossfeld, Lynwood, assignors to D. E. Rose Trunk Co., Inc., Los Angeles, Calif. Securing cases to carrying boards. 1,638,216; Aug. 9.
Rosener, Leland S., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Applying designs to a surface. 1,638,364; Aug. 9.
Rossworm, George J., and S. H. Smith, Cumberland, Md. Tire flap. 1,638,460; Aug. 9.
Roth, Edward B., St. Louis, Mo. Retort for treating oil shale. 1,638,217; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. Measuring system. 1,638,100; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. System of measuring by auxiliary energy. 1,638,101; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. Measuring system. 1,638,102; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. System for transmitting or measuring variable conditions. 1,638,103; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. Measuring system. 1,638,104; Aug. 9.
Roučka, Erich, Blansko, Czechoslovakia. System for transmitting variable conditions. 1,638,105; Aug. 9.
Rowley, Edward G., Belleville, assignor to Underwood Typewriter Company, New York, N. Y. Stenciling machine. 1,638,461; Aug. 9.
Rufty, J. O., et al. (See Rufty, Verdie C., assignor.)
Rufty, Verdie C., assignor of one-half to L. O. Moose and J. O. Rufty, Stony Point, N. C. Window-shade bracket. 1,638,707; Aug. 9.
Runge, Robert F., Forest Hills, N. Y., assignor to The Skayef Ball Bearing Company. Hanger box. 1,638,747; Aug. 9.
Ruttan, Alfred A., Rochester, assignor to Eastman Kodak Company, Rochester, N. Y. Film-pack construction. 1,638,552; Aug. 9.
Ryan, Frederick E., Danbury, Conn. Bill fold. 1,638,462; Aug. 9.
Ryan, Thomas C., Wilmington, Del. Golf-simulating game. 1,638,365; Aug. 9.
Saco-Lowell Shops. (See Borovoy, S., and Perry, assignors.)
Saco-Lowell Shops. (See Gagnon, Samuel, assignor.)
Salem China Co., The. (See Sebring, Frank H., jr., assignor.)
Sandifer, William T., Jackson, Miss. Flexible coupling. 1,638,412; Aug. 9.
Sandman, August G., Baltimore, Md. Corner post for drop-end gondola cars. 1,638,128; Aug. 9.
Sandos, Henry, Tavannes, Switzerland. Micrometer. 1,638,366; Aug. 9.
Santee, Walter H., Allentown, Pa. Closure fastening. 1,638,748; Aug. 9.
Santoyo, Guillermo F., Santa Paula, Calif. Pruning saw. 1,638,749; Aug. 9.
Saxon, Frank, Worthington, Minn. Snowplow. 1,638,706; Aug. 9.
Schaeffer, Charles, Paris, France. Steering device for motor vehicles. 1,638,750; Aug. 9.
Schaffer Poidometer Company. (See Cooke, Alfred F., assignor.)
Sherbino, Morton R., assignor to Hydraulic Brake Company, Detroit, Mich. Noncorrosive solution. 1,638,710; Aug. 9.

Sherbino, Morton R., assignor to Hydraulic Brake Company, Detroit, Mich. Noncorrosive solution. 1,638,711; Aug. 9.
Scherer, Karl, New York, N. Y. Automobile lock. 1,638,062; Aug. 9.
Schiele, Richard F., Glen Ellyn, Ill. Combined spotlight and cigar lighter. 1,638,642; Aug. 9.
Schiele, Richard F., Glen Ellyn, Ill. Combined cigar lighter and lamp. 1,638,751; Aug. 9.
Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlosstein, Hans, Chicago, Ill. Medium for treating oils and making the same. 1,638,643; Aug. 9.
Schlosstein, Hans, Chicago, Ill. Medium for treating oils and making the same. 1,638,644; Aug. 9.
Schlüter, Willi, Brunswick, assignor to the Firm Grimme, Natalis u. Co. Aktiengesellschaft, Braunschweig, Germany. Lens-cutting machine. 1,638,063; Aug. 9.
Schmidt, Henry F. (See Trotter, H. R., and Schmidt.)
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Condenser installation. 1,638,645; Aug. 9.
Schmidt, Karl, Neuruppin, Germany. Fire extinguisher. 1,638,597; Aug. 9.
Schmidt, Rudolph, Rosedale, Kans. Truss. 1,638,218; Aug. 9.
Schneider, Newton H., Salinas, Calif. Acid-resisting compound. 1,638,709; Aug. 9.
Schoenthal, Fred C., Buffalo, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Wheel. 1,638,646; Aug. 9.
Schraishnhn, Theodore A., Coraopolis, Pa., assignor to Lewis Foundry & Machine Company. Rolling mill. 1,638,463; Aug. 9.
Schubert, Friedrich W., assignor to Brysilka, Limited, Apperley Bridge, near Bradford, England. Variable-capacity pump. 1,638,367; Aug. 9.
Schultz, Charles H., Chicago, Ill. Thermometer. 1,638,276; Aug. 9.
Schultz, Edward, assignor to (Mrs.) E. A. Laughery, Chicago, Ill. Coin-operated vending machine. 1,638,413; Aug. 9.
Schultz, Herman A., Chicago, Ill., assignor to C. E. Reed. Copying lathe. 1,638,511; Aug. 9.
Scofield, Thomas E. (See Oberle, Alfred, assignor.)
Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Coupling loosener. 1,638,219; Aug. 9.
Scott, Winfield, Akron, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 1,638,220; Aug. 9.
Scovill Manufacturing Company. (See Rochette, Henry C., assignor.)
Scruggs, Daniel, et al. (See Moore, S., and Sheets, assignors.)
Sebesta, Edward F., Minneapolis, Minn. Automobile signal. 1,638,414; Aug. 9.
Sebring, Frank H., jr., assignor to The Salem China Co., Salem, Ohio. Plate. Des. 73,328; Aug. 9.
Sexton, George A., Winchester, Mass. Test measure. 1,638,415; Aug. 9.
Shaff, Ernest H., assignor to Wm. H. Keller, Inc., Grand Haven, Mich. Pneumatic motor. 1,638,512; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,239; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,240; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,241; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,242; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,243; Aug. 9.
Shapiro, Theodore, assignor to Artcraft Metal Stamping Corporation, Brooklyn, N. Y. Lighting fixture. Des. 73,244; Aug. 9.
Shaw, George A., Siloam Springs, Ark. Plant-setting machine. 1,638,368; Aug. 9.
Sheets, Fred O. (See Moore, S., and Sheets.)
Sheldrick, George E., Detroit, Mich., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Adjustable track for mail-stamping machines. 1,638,752; Aug. 9.
Sherman, Willis S. (See Killebrew, Charles A., assignor.)
Shipley, John H., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Paper-folding machine. 1,638,176; Aug. 9.
Shook, William A., McGaheysville, Va. Holding frame for supporting honey boxes. 1,638,064; Aug. 9.
Short, Charles V., Des Moines, Iowa. Sanitary heated hog house. 1,638,712; Aug. 9.
Shuman, Arno, assignor to Pennsylvania Wire Glass Company, Philadelphia, Pa. Roof or skylight construction. 1,638,066; Aug. 9.
Siegele, Karl. (See Maehler, A., and Siegele.)
Siemens & Halske, Aktiengesellschaft. (See Küpfmüller, Karl, assignor.)
Silmo Chemical Company. (See Molofsky, David, assignor.)
Simmons Company. (See Busch, C. H., and Vollmer, assignors.)
Simon, Lester S., Inc. (See Simon, Lester S., assignor.)
Simon, Lester S., New York, N. Y., assignor to Lester S. Simon, Inc. Transom hinge. 1,638,065; Aug. 9.
Simpson, Arthur E., et al. (See Mullinack, George H., assignor.)
Simpson, David H., New York, N. Y. Machine for stripping and cutting tobacco leaves. 1,638,018; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,638,166; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugation in hopper doors for railway cars. 1,638,167; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugation in hopper doors for railway cars. 1,638,168; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugation in hopper doors for railway cars. 1,638,169; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,638,170; Aug. 9.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,638,171; Aug. 9.
Skaupy, Franz, Berlin, Germany, assignor to General Electric Company. Colored incandescent lamp bulb. 1,638,369; Aug. 9.
Skayef Ball Bearing Company, The. (See Runge, Robert F., assignor.)
Skirrow, Frederick W., and O. W. Herzberg, Shawinigan Falls, assignors, by mesne assignments, to Canadian Electro Products Company, Limited, Montreal, Quebec, Canada. Manufacturing vinyl esters. 1,638,713; Aug. 9.
Small, Arthur E., Oak Park, Ill. Attaching means for load-lifting devices. 1,638,019; Aug. 9.
Small, Arthur E., assignor to Union Metal Products Company, Chicago, Ill. Metal end structure for railway cars. 1,638,172; Aug. 9.
Small, William J., Port Townsend, Wash., assignor of one-half to L. E. Becker, Portland, Oreg. Cushion tire. 1,638,370; Aug. 9.
Smith, Charles E., Geneva, and J. N. Karp, Farmingdale, N. Y. Portable cabbage-cutting machine. 1,638,416; Aug. 9.
Smith, Edward C., Des Moines, Iowa. Radiorecord. 1,638,277; Aug. 9.
Smith, George E., Jenkintown, assignor to American Engineering Company, Philadelphia, Pa. Control mechanism. 1,638,786; Aug. 9.
Smith, Russell J., Menasha, Wis. Sheet feeding and cutting mechanism. 1,638,221; Aug. 9.
Smith, Samson H. (See Roseworm, G. J., and Smith.)
Smith, Samuel T., Los Angeles, Calif. Pipe tongs. 1,638,371; Aug. 9.
Smythe, Thomas A., Paterson, N. J. Gasoline strainer for automobiles. 1,638,066; Aug. 9.
Snell, James C., Oak Park, assignor to Premier Electric Company, Chicago, Ill. Rheostat. 1,638,506; Aug. 9.
Snell, Lyle K., assignor to The Willys-Overland Company, Toledo, Ohio. Cowl ventilator and motor vehicles. 1,638,599; Aug. 9.
Snelling, Walter O., Allentown, Pa. Contact-rectifying device. 1,638,278; Aug. 9.
Snelling, Walter O., Allentown, Pa. Concentration of tin minerals. 1,638,279; Aug. 9.
Snyder & Black, Incorporated. (See Viscount, Joseph L., assignor.)
Società Italiana Ernesto Bredo. (See Bellusso, Giuseppe, assignor.)
Société des Aeroplanes Henri & Maurice Farman. (See Wasseige, Charles, assignor.)
Societe Schneider & Cie., et al. (See de Courseulles, Robert, assignor.)
Somers, William, South Norwalk, Conn. Combined detachable corset and brassière. 1,638,787; Aug. 9.
South Bend Bait Co. (See Rodgers, Claude M., assignor.)
Spaulding, John D., and B. Bowde, assignors to The Collie Company, Clinton, Iowa. Bread rack. 1,638,173; Aug. 9.
Spencer, Norman S. (See Mason, William P., assignor.)
Sperekas, John, et al. (See Allen, Charles S., assignee.)
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Ship's signaling or broadcasting device. 1,638,417; Aug. 9.
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Spiro, Max, Sea Gate, N. Y. Watchcase. 1,638,600; Aug. 9.
Sprague-Sells Corporation. (See de Beck, William, assignor.)
Spring, Marcus T., Pepperell, Mass. Match receptacle. 1,638,222; Aug. 9.
Stack, George E., Ballston Spa, N. Y., assignor to General Electric Company. Time element control and apparatus therefor. 1,638,372; Aug. 9.
Stafford, William F., Hornersville, Mo. Composition for removing scales from steam boilers. 1,638,373; Aug. 9.
Stancin, Stephen, St. Paul, Minn. Armlet for infants. 1,638,601; Aug. 9.
Standard Pneumatic Action Company. (See Fiala, Joseph B., assignor.)
Stazak, Michael B. (See Eaton, G. E., and Stazak.)

Stearns, Frank B., Shaker Heights Village, Ohio. Fluid compressor. 1,638,418; Aug. 9.
Steel Drum Accessories Corporation. (See Rahling, Henry D., assignor.)
Steel Wheel Corporation. (See Schoenthal, Fred C., assignor.)
Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,638,513; Aug. 9.
Stein, Leo. (See Stein, Michael H. and L.)
Stein, Michael H. and L., Chicago, Ill.; said Michael H. Stein assignor to said L. Stein. Brief case. 1,638,753; Aug. 9.
Stern, Isidore, New York, N. Y. Denture attachment. 1,638,553; Aug. 9.
Stiebel, Theodor, Berlin, Germany. Mechanically-driven type-rod typewriter. 1,638,602; Aug. 9.
Stimpson, Edward B., Company. (See Rau, Henry V., assignor.)
Stockholders Syndicate. (See Blumenberg, Henry, jr., assignor.)
Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Equalizer for automatic player pianos. 1,638,419; Aug. 9.
Stoddard, Charles F., assignor to American Piano Company, New York, N. Y. Dust-collecting valve mechanism for player pianos. 1,638,420; Aug. 9.
Stoughton, Bradley, Bethlehem, Pa., assignor to Burrows Magnetic Equipment Corporation, Jersey City, N. J. Apparatus for testing magnetizable objects. 1,638,174; Aug. 9.
Straehly, Royden E., Chicago, Ill. Toothbrush. Des. 73,245; Aug. 9.
Strawn, Nelle B., Antonito, Colo. Washing machine. 1,638,714; Aug. 9.
Strawn, Oscar W., Forest, Ind. Nest. 1,638,374; Aug. 9.
Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Snare drum. 1,638,106; Aug. 9.
Stuart, Wallace A., Cleveland, Ohio, assignor of one-half to B. L. Jarrett, Sewickley, Pa. Blast furnace. Re10,697; Aug. 9.
Stubbs, Robert C., Dallas, Tex. Machine for making compressed concrete. 1,638,667; Aug. 9.
Stubbs, Robert C., Dallas, Tex. Measuring device for street and road paving and the like. 1,638,715; Aug. 9.
Studebaker Corporation, The. (See Baus, Richard E., assignor.)
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Studebaker Corporation, The. (See Paton, Clyde R., assignor.)
Stutz, Frank, Washington, D. C. Attachment for garment hangers. 1,638,375; Aug. 9.
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Surles, Lawrence O., Atlanta, Ga. Spotlight. 1,638,716; Aug. 9.
Swana, James S., assignor to Union Metal Products Company, Chicago, Ill. Hopper door for railway cars. 1,638,603; Aug. 9.
Swinfen Bramley-Moore. (See McIntyre, John, assignor.)
Szekely, Ernest, Evanston, assignor of one-half to Drying Systems Inc., Chicago, Ill. Air-filter drive. 1,638,067; Aug. 9.
Szuchy, Joseph, Perth Amboy, N. J. Train signaling and controlling system. 1,638,754; Aug. 9.
Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)
Tansley, George H., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Magazine safety device for automatic pistols. 1,638,068; Aug. 9.
Taromino, Bennie A., New Brunswick, N. J. Time-controlled lighting switch. 1,638,604; Aug. 9.
Tate, Joseph T., et al. (See Greenstreet, Oliver P., assignor.)
Taub, Alex, assignor to General Motors Corporation, Detroit, Mich. Clutch. 1,638,376; Aug. 9.
Taylor, Alfred M., Erdington, Birmingham, England. Electric power transmission system. 1,638,647; Aug. 9.
Taylor, Theodore A., and A. J. Yenger assignors to Prentiss-Wabers Stove Company, Wisconsin Rapids, Wis. Portable stove. 1,638,223; Aug. 9.
Terrastedt Manufacturing Company. (See Archer, T. P. and Edgar, assignors.)
Terrastedt Manufacturing Company. (See Heintz, Ernest E., assignors.)
Terry, George A., Buffalo, N. Y. Dental handpiece. 1,638,175; Aug. 9.
Tesch, Edward W. (See Kloss, Vitalis M., assignor.)
Thate, Herman. (See Maehler, A., and Thate.)
Thayer, Florence J., Eddyville, Iowa. Curtain stretcher. 1,638,069; Aug. 9.
Thermatomic Carbon Company. (See Uhlinger, Roy H., assignor.)
Thienemann, Heinz, Leverkusen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process for the prevention of adhesion of the charge, during the activation of carbon. 1,638,070; Aug. 9.
Thiessack, Emil, Berlin, Germany. Die-casting machine. 1,638,717; Aug. 9.
Thompson, Harold E. (See Carme, G. O., jr., and Thompson.)
Thompson, Robert et al. (See Moore, S., and Sheets, assignors.)
Thorp, Joe J., Breckwalker, Tex. Grease cup. 1,638,377; Aug. 9.
Thorson, Lars M., and K. B. Ward, Chicago, Ill. Combination warm-air cleaner and heat converter. 1,638,605; Aug. 9.
Tibble, Frederick, Grand Rapids, Mich. Faucet. 1,638,020; Aug. 9.
Tieke, William. (See Wille, K., and Tieke.)
Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)
Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
Trautner, William L., Milwaukee, Wis. Grease retainer. 1,638,378; Aug. 9.
Travnicek, Frank, also known as Frank Grimes, East St. Louis, Ill. Vacuum propeller. 1,638,071; Aug. 9.
Trotter, Henry R., Swarthmore, and H. F. Schmidt, Lansdowne, Pa., assignors to Westinghouse Electric and Manufacturing Company. Turbine-blade fastening. 1,638,648; Aug. 9.
"Turmac" Turkish Macedonia Tobacco Co. (See Kabus, Fernand, assignor.)
Turpin, George M., Murray City, Utah. Egg-turning device. 1,638,072; Aug. 9.
Tyra, Joseph, Minneapolis, Minn. Metal Spanish tile. 1,638,755; Aug. 9.
Uhlinger, Roy H., Mount Lebanon Township, Allegheny County, assignor to Thermatomic Carbon Company, Pittsburgh, Pa. Rubber composition. 1,638,421; Aug. 9.
Underwood Typewriter Company. (See Baskerville, Edward A., assignor.)
Underwood Typewriter Company. (See Rowley, Edward G., assignor.)
Union Electric Manufacturing Company. (See Campbell, H. E., and Mekelburg, assignors.)
Union Metal Manufacturing Company, The. (See Frahm, Carl A., assignor.)
Union Metal Products Company. (See Bonsall, Charles D., assignor.)
Union Metal Products Company. (See Cooke, George T., assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Metal Products Company. (See Murphy, Walter P., assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Metal Products Company. (See Small, Arthur E., assignor.)
Union Metal Products Company. (See Swann, James S., assignor.)
Union Switch & Signal Company, The. (See Lee, F. W., and Grondahl, assignors.)
Union Switch & Signal Company, The. (See Nettleton, L. L., and Grondahl, assignors.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
U. S. Industrial Alcohol Co. (See Mitchell, Harry G., assignor.)
U. S. Manufacturing Corporation. (See Le Pere, John G., assignor.)
United States Gypsum Company. (See Utzman, Clarence W., assignor.)
Universal Electric Welding Company. (See Lachman, Laurence S., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, Gustav, assignor.)
Universal Oil Products Company. (See Egloff, G., and Alther, assignors.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Kirschbraun, L., and Pollock, assignors.)
Universal Winding Company. (See Lee, Harry P., assignor.)
Urquhart, Ubert. (See La Joie, H. J., and Urquhart.)
Utzman, Clarence W., Buffalo, N. Y., assignor, by mesne assignments, to United States Gypsum Company. Fabricated board. 1,638,280; Aug. 9.
V. Asten, Eduard, Eupen, Belgium. Asbestos drier felt. 1,638,721; Aug. 9.
Vandergrift, Frank C., assignor to The Williams Foundry & Machine Company, Akron, Ohio. Rotary pipe joint. 1,638,224; Aug. 9.
Vanderveld, Anthony, Grand Rapids, Mich. Shutter for computing machines. 1,638,514; Aug. 9.
Van Heusen, John M., New York, N. Y. Fastener. 1,638,078; Aug. 9.
Van Nuys, Harry V., Chicago, Ill. Exhibitor. 1,638,464; Aug. 9.
Van Veen, Anton, assignor to The Fuller Brush Company, Hartford, Conn. Winding machine. 1,638,074; Aug. 9.
Variety Machinery Company. (See Greenfield, Hugh G., assignor.)

Viscount, Joseph L., assignor to Snyder & Black, Incorporated, New York, N. Y. Display device. 1,638,177; Aug. 9.
Visserling, Harry, Kenilworth, Ill. Self-locking device. 1,638,788; Aug. 9.
Vitolo, Richard, et al. (See Mitkewich, Wladimir W., assignor.)
Volk, Sidney, Benton Harbor, Mich. Skylight. 1,638,668; Aug. 9.
Vollmer, William A. (See Busch, C. H., and Vollmer.)
Voos, Frederick A., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-cleaner attachment. 1,638,554; Aug. 9.
Vordermark, Fredrick R., and G. Vordermark, Indianapolis, Ind. Fan. 1,638,379; Aug. 9.
Vordermark, George. (See Vordermark, Fredrick R. and G.)
Vroman, Erwin C., Watertown, N. Y., assignor to The New York Air Brake Company. Speed-responsive device. 1,638,718; Aug. 9.
Vulcan Last Company, The. (See Clausing, George, assignor.)
Wachtel, Wilhelm, assignor to the Firm Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Obtaining solidified granules or pearls from liquids. 1,638,669; Aug. 9.
Wadsworth, William W., Tremonton, Utah. Can polishing and scouring machine. 1,638,606; Aug. 9.
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Liquid and gas contact apparatus. 1,638,670; Aug. 9.
Wagner, Marcel, Mulhouse, France. Roofing fastening. 1,638,671; Aug. 9.
Walker, Henry K., London, England. Hollow pole. 1,638,515; Aug. 9.
Walker, James, assignor of one-fourth to P. O. Donnell, Elizabeth, N. J. Tube expander. 1,638,422; Aug. 9.
Walker, Warren R., New Dorp, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Liquid-flow time switch. 1,638,130; Aug. 9.
Walker, Warren R., Great Kills, N. Y., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric switch. 1,638,131; Aug. 9.
Walker, Warren R., Bloomfield, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Electric switch. 1,638,132; Aug. 9.
Walker, Warren R., Bloomfield, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Rotating cylindrical glass mercury switch. 1,638,133; Aug. 9.
Wallace, Halbert C., Kansas City, Mo. Extension feeder. 1,638,075; Aug. 9.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,638,178; Aug. 9.
Wallman, Hulda, New York, N. Y. Headdress. 1,638,750; Aug. 9.
Walls, Bert T. (See Peterson, G. W., and Walls.)
Walsh, John J., Yonkers, N. Y. Combined hand mirror and table mirror. 1,638,672; Aug. 9.
Ward, Charles A., Silver Creek, N. Y. Dining-car body. Des. 73,246; Aug. 9.
Ward, John N., Jackson, Tenn. Stringed musical instrument. 1,638,423; Aug. 9.
Ward, Kenneth B. (See Thorson, L. M., and Ward.)
Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)
Ware, Charles I., assignor of one-half to F. E. Maxfield, Holyoke, Mass. Spring. 1,638,516; Aug. 9.
Warner, Thomas A. (See Dickens, J. R., Harris, and Warner.)
Warriner, Robert, Braintree, Mass., assignor to Bethlehem Shipbuilding Corporation. Feed tank. 1,638,607; Aug. 9.
Waseige, Charles, assignor to Société des Aeroplanes Henri & Maurice Farman, Billancourt, France. Shoe brake. 1,638,380; Aug. 9.
Watt, William R. H. (See De Armond, W. C., and Watt.)
Waukesha Motor Company. (See Fisher, James B., assignor.)
Waukesha Motor Company. (See Horning, H. L., Fisher, and Pope, assignors.)
Way, Alexander B., Lynn, Mass., assignor to L. A. Way, Pittsburgh, Pa. Treating hydrocarbons. 1,638,021; Aug. 9.
Way, Alexander B., Lynn, Mass., assignor to L. A. Way, Pittsburgh, Pa. Material for the treatment of hydrocarbons. 1,638,022; Aug. 9.
Way, Lewis A. (See Way, Alexander B., assignor.)
Weaver, Gallard E., assignor to Weaver Manufacturing Company, Springfield, Ill. Piston tool. 1,638,789; Aug. 9.
Weaver, Gallard E., assignor to Weaver Manufacturing Company, Springfield, Ill. Truck jack. 1,638,790; Aug. 9.
Weaver, Gallard E., assignor to Weaver Manufacturing Company, Springfield, Ill. Truck jack. 1,638,791; Aug. 9.
Weaver Manufacturing Company. (See Weaver, Gallard E., assignor.)
Webb, Hartwell W., Leonia, N. J. Sound-recording device. 1,638,424; Aug. 9.
Weeks, Wallace M., et al. (See Kavle, Oscar C., assignor.)
Weiser, William H., Dallas, Oreg. Harding copper. 1,638,076; Aug. 9.
Weiss, Gustav B. (See Elfreth, W. H., and Weiss.)
Welch, Peter, and A. Murphy, Olean, N. Y. Wave filter receiving circuits. 1,638,608; Aug. 9.
Wente, Edward C., assignor to Western Electric Company, Incorporated, New York, N. Y. Translating device. 1,638,555; Aug. 9.
Western Electric Company. (See Hill, Myron F., assignor.)
Western Electric Company. (See Hocker, Carl D., assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. ((See Kelsay, Le Roy W., assignor.)
Western Electric Company. (See Kemp, Archie R., assignor.)
Western Electric Company. (See Mesa, Joseph O., assignor.)
Western Electric Company. (See Ronci, Victor L., assignor.)
Western Electric Company. (See Voos, Frederick A., assignor.)
Western Electric Company. (See Wente, Edward C., assignor.)
Western Electric Company. (See Wheeler, Edmund B., assignor.)
Western Electric Company. (See Wilson, John M., assignor.)
Western Electric Company. (See Zogbaum, Ferdinand, assignor.)
Westinghouse Electric & Manufacturing Company. (See Carey, H. F., and Marsland, assignors.)
Westinghouse Electric & Manufacturing Company. (See Marsland, Roland, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Trotter, H. R., and Schmidt, assignors.)
Wheeler, Edmund B., assignor to Western Electric Company, Incorporated, New York, N. Y. Making insulated conductors. 1,638,556; Aug. 9.
Whiteside, Sidney B., New York, N. Y. Ice-cream-handling apparatus. 1,638,134; Aug. 9.
Whitney Mfg. Company, The. (See Belcher, Warren J., assignor.)
Whitham, Fredric E., deceased; A. Reed, executor, Halifax, England. Apparatus for reducing ores or other suitable materials. 1,638,381; Aug. 9.
Whiton, Louis C., assignor to Prat-Daniel Corporations, New York, N. Y. Heat exchanger. 1,638,107; Aug. 9.
Whittemore, Herbert L., Washington, D. C. Strain gauge. 1,638,425; Aug. 9.
Whittier, John K., F. D. Langevin, and R. S. Curley, Lowell, Mass., assignors, by mesne assignments, to Kitson Machine Shop. Horizontal opener and cleaner. 1,638,649; Aug. 9.
Wilcox, Edgar M. (See Hannauer, G., and Wilcox.)
Wilcox, Henry M., Chicago, Ill. Utensil for cooking annular food products. 1,638,673; Aug. 9.
Wildman, John P., Portland, Oreg. Compressor. 1,638,674; Aug. 9.
Wille, Karl, Somerville, N. J., and W. Tieke, Astoria, N. Y.; said Tieke assignor to said Wille. Paper-coloring device. 1,638,757; Aug. 9.
Williams Foundry & Machine Company, The. (See Vandergrift, Frank C., assignor.)
Williams, Fred W. (See Rice, T. B., and Williams.)
Williams, Henry B., assignor to John W. Ladd Co., Detroit, Mich. Valve. 1,638,077; Aug. 9.
Williams Tool Corporation. (See Hall, Leslie S., assignor.)
Willis, Bernard D., Oak Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Multioffice telephone system. 1,638,382; Aug. 9.
Willis, Frederick E., Brockton, Mass. Tray for shoe racks. 1,638,609; Aug. 9.
Willis, Thomas, Mumbles, Swansea, South Wales. Damper for boiler and like furnaces. 1,638,650; Aug. 9.
Willys-Overland Company, The. (See Snell, Lyle K., assignor.)
Willshaw, Harry, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tire mold. 1,638,023; Aug. 9.
Wilson, James O., assignor of forty-nine per cent. to G. Brown, Sterling, Kans. Baby walker. 1,638,426; Aug. 9.
Wilson, John M., Bronx, assignor to Western Electric Company, Incorporated, New York, N. Y. Insulating compound. 1,638,557; Aug. 9.
Wineman, Wade H., Chicago, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,638,225; Aug. 9.
Wingate, Rosier B., Fort Worth, Tex. Machine for vending bottled beverages. 1,638,792; Aug. 9.
Winslow, Charles A., Vallejo, and E. J. Hall, Berkeley, Calif. Force-feed lubricating system for hydrocarbon engines. 1,638,281; Aug. 9.
Winters, Frederick V., New York, N. Y. Vacuum-creating instrument. 1,638,383; Aug. 9.
Winters, Frederick V., New York, N. Y. Vacuum-creating device. 1,638,384; Aug. 9.
Winters, Frederick V., New York, N. Y. Vacuum-creating device. 1,638,465; Aug. 9.

Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Tape reel. 1,638,226; Aug. 9.
Witchger, Eugene J., assignor to Lufkin Rule Co., Saginaw, Mich. Case for tape measures. 1,638,227; Aug. 9.
Wolff, Mahlon H., Los Angeles, Calif. Differential drive for vehicles. 1,638,228; Aug. 9.
Wood, Stanford J., and H. A. Greene, jr., Monterey, Calif. Variable-inductance coil. 1,638,385; Aug. 9.
Wood, Stanley, Rochester, N. Y. Clothesline lock. 1,638,282; Aug. 9.
Woodbridge, Charles K., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Indicating means and the like. 1,638,558; Aug. 9.
Woodbridge, Joseph L., Philadelphia, Pa. Electric storage battery. 1,638,427; Aug. 9.
Woodman, George A., assignor to Woodman Railway Supply Company, Chicago, Ill. Car-truck pedestal. 1,638,675; Aug. 9.
Woodman Railway Supply Company. (See Woodman, George A., assignor.)
Woodrow, Harry B., assignor to T. E. Murray, New York, N. Y. Arc-welding machine. 1,638,024; Aug. 9.
Woods, S. A., Machine Company. (See Blood, Laurence E., assignor.)
Woolsey, Charles A., Minneapolis, assignor to Northwestern Collapsible Carrier Co., St. Paul, Minn. Crate. 1,638,229; Aug. 9.
Yancey, Arthur, New Orleans, La. Making and setting one-piece can liners. 1,638,386; Aug. 9.
Yeager, Anton J. (See Taylor, T. A., and Yeager.)
Yoder, Joseph D. (See Gibson, G. H., and Yoder.)
Zander, Henry L., New Orleans, La. Highway culvert. 1,638,428; Aug. 9.
Zeiss, Firm Carl. (See Eppenstein, Otto, assignor.)
Zenith Thread Company. (See Petersen, Anker, assignor.)
Zents, James R., assignor of one-half to E. B. McCormick, Los Angeles, Calif. Catafalque. Des. 73,247; Aug. 9.
Zogbaum, Ferdinand, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,638,559; Aug. 9.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acid-resisting compound. N. H. Schneider. 1,638,709; Aug 9.
Adhesion of the charge during the activation of carbon, Prevention of. H. Thienemann. 1,638,070; Aug. 9.
Aeroplane. H. J. Mundell. 1,638,358; Aug. 9.
Air-brake equipment, Auxiliary bleed-valve actuator for. C. E. Blose. 1,638,081; Aug. 9.
Air-brake systems, Automatic releasing valve for. L. S. Quates. 1,638,457; Aug. 9.
Air brush and the like. J. A. Paasche. 1,638,550; Aug. 9.
Air-filter drive. J. E. Bolling. 1,638,141; Aug. 9.
Air-filter drive. E. Szekely. 1,638,067; Aug. 9.
Air heater. J. R. Dickens, E. O. Harris, and T. A. Warner. 1,638,187; Aug. 9.
Air writing with searchlight beams. W. W. Mitkewich. 1,638,051; Aug. 9.
Alkalized waste liquor from the soda cellulose manufacture, Dry distillation of. E. L. Rinman. 1,638,061; Aug. 9.
Alkyl carbonates, Manufacture of. H. G. Mitchell. 1,638,014; Aug. 9.
Aluminum, Method and composition of matter for surface treating. A. Pacz. 1,638,273; Aug. 9.
Anhydrous sodium bisulphite, Production of. N. A. Laury. 1,638,492; Aug. 9.
Animal trap. W. I. Harmon. 1,638,767; Aug. 9.
Antenna, Underground. A. L. Moburg. 1,638,699; Aug. 9.
Armlet for infants. S. Stanciu. 1,638,601; Aug. 9.
Ash tray with pedestal. F. Kabus. 1,638,205; Aug. 9.
Assembly plate and die-holding clamp. E. G. Bates and R. C. Bates. 1,638,180; Aug. 9.
Automobile construction. C. R. Paton. 1,638,782; Aug. 9.
Automobile heater. C. M. Bowers. 1,638,317; Aug. 9.
Automobile hoods, Water drain for. R. C. Farr. 1,638,479; Aug. 9.
Automobile lock. W. F. Fipps. 1,638,688; Aug. 9.
Automobile lock. K. Scherer. 1,638,062; Aug. 9.
Automobile signal. E. F. Sebesta. 1,638,414; Aug. 9.
Automobile signal device. J. Granter and J. Davis. 1,638,628; Aug. 9.
Automobile sled attachment. G. C. Graves. 1,638,195; Aug. 9.
Automobiles, Buffer or bumper for. F. Mische and K. Roschitsch. 1,638,501; Aug. 9.
Automobiles, Signal-controlling mechanism for. W. A. Eckert. 1,638,091; Aug. 9.
Automobiles, Storm shield for. C. M. Paulson. 1,638,508; Aug. 9.
Automobiles, Traction attachment for. F. Fennel. 1,638,329; Aug. 9.
Automobiles, Ventilating screen for. C. A. Baker. 1,638,610; Aug. 9.
Axles, Lubricating device for railway vehicle. E. Mooney. 1,638,640; Aug. 9.
Baby walker. J. O. Wilson. 1,638,426; Aug. 9.
Ball-bearing spindle, Self-oiling. F. H. Chapman. 1,638,394; Aug. 9.
Ball bearings, Cage for. A. H. Linde. 1,638,537–8; Aug. 9.
Ball lights, Detachable stencil for. L. H. Buchanan. 1,638,679; Aug. 9.
Bandage, Suspensory. A. R. Chisholm. 1,638,525; Aug. 9.
Bank, Savings. S. J. Mirosav. 1,638,404; Aug. 9.
Bathtub cover. H. Levy. 1,638,346; Aug. 9.
Battery: *See*—
Storage battery.
Battery-charging apparatus. E. W. Engle. 1,638,478; Aug. 9.
Battery-charging apparatus. N. R. Haas. 1,638,305; Aug. 9.
Bearing and making the same, Self-aligning. C. Claus. 1,638,797; Aug. 9.
Bearing, Antifriction. G. W. Nordstrum. 1,638,271; Aug. 9.
Bearing lubrication, Antifriction-. H. E. Brunner. 1,638,521; Aug. 9.
Bearing, Roller. M. Guidi. 1,638,029; Aug. 9.
Bed, Exercising. W. W. Everts. 1,638,025; Aug. 9.
Belt, Sheet-metal. R. H. Banks. 1,638,466; Aug. 9.
Bill fold. F. E. Ryan. 1,638,462; Aug. 9.
Binder, Loose-leaf. A. B. Plushkell. 1,638,784; Aug. 9.
Binding strip. A. Freydberg and J. Marcus. 1,638,254; Aug. 9.
Blast furnace. W. A. Stuart. Re16,697; Aug. 9.
Blasting charges, Container for. W. E. Jenkins. 1,638,038; Aug. 9.
Block: *See*—
Fuse block. Paving block.
Blowtorch attachment, Portable. C. S. Kepler. 1,638,341; Aug. 9.
Board: *See*—
Fabricated board.
Bobbin-driving shaft for winding frames and its bearing arrangement. W. Reiners and G. Kahlisch. 1,638,060; Aug. 9.
Body comb, Electric. O. G. C. L. J. Overbeck. 1,638,407; Aug. 9.
Boiler. H. G. Kraus. 1,638,163; Aug. 9.
Boiler and like furnaces, Damper for. T. Willis. 1,638,650; Aug. 9.
Boiler headers, Internal mandrel for sectional. J. H. Hinman. 1,638,633; Aug. 9.
Bolt-cutting device. N. Giandonato. 1,638,483; Aug. 9.
Bottle. M. Fox. Des. 73,226; Aug. 9.
Bottle. J. P. Lasater. Des. 73,233; Aug. 9.
Bottle. F. R. Miller. Des. 73,234; Aug. 9.
Bottle closures, Apparatus for sealing. O. C. Kavle. 1,638,445; Aug. 9.
Bottle closures, Cushion material for. C. E. McManus. 1,638,541; Aug. 9.
Bottle closures, Expander for. O. C. Kavle. 1,638,444; Aug. 9.
Bottle, Nonrefillable. M. Hermes. 1,638,199; Aug. 9.
Bottle stopper. V. M. Kloss. 1,638,207; Aug. 9.
Bowl. P. G. Rinken. 1,638,409; Aug. 9.
Box: *See*—
Exhaust box. Journal box.
Feed box. Miter box.
Hanger box. Outlet box.
Hatbox.
Boxes and the like, Manufacture of cigar. A. A. Adamson. 1,638,719; Aug. 9.
Boxes, Holding frame for supporting honey. W. A. Shook. 1,638,004; Aug. 9.
Bracket: *See*—
Window-shade bracket.
Braiding carrier. A. Petersen. 1,638,455; Aug. 9.
Brake: *See*—
Shoe brake. Tractor brake.
Brake. V. Link. 1,638,588; Aug. 9.
Brake mechanism and control means therefor, Track. G. Hannauer and E. M. Wilcox. 1,638,631; Aug. 9.
Brake mechanism, Front-wheel-drive. C. S. Allen. 1,638,007; Aug. 9.
Brake shoe. C. Cobb, jr. 1,638,759; Aug. 9.
Brake shoe. A. Y. Dodge. 1,638,326; Aug. 9.
Brakes, Anchoring device for. H. D. Church. 1,638,323; Aug. 9.
Brakes, Control mechanism for. G. Hannauer and E. M. Wilcox. 1,638,630; Aug. 9.
Bread rack. J. D. Spaulding and B. Bouda. 1,638,173; Aug. 9.
Brief case. M. H. and L. Stein. 1,638,753; Aug. 9.
Brush head, Removable. E. Myers. 1,638,054; Aug. 9.
Buffer. O. E. Bergendahl and R. A. Rimel. 1,638,008; Aug. 9.
Bumper and fender. J. Bunis. 1,638,615; Aug. 9.
Cabinet, Phonograph. A. Hudson. Des. 73,229; Aug. 9.
Calf and ankle grip. C. A. Pope. 1,638,704; Aug. 9.
Can: *See*—
Dispensing can.
Can cover, Ash-. C. Olson. 1,638,360; Aug. 9.
Can holder. T. B. Cook. 1,638,681; Aug. 9.
Can liners, Making and setting one-piece. A. Yancey. 1,638,386; Aug. 9.
Can polishing and scouring machine. W. W. Wadsworth. 1,638,606; Aug. 9.
Car body, Dining-. C. A. Ward. Des. 73,246; Aug. 9.
Car door, Hopper-. J. McMullen. 1,638,125; Aug. 9.
Car door, Railway-hopper-. W. P. Murphy. 1,638,126; Aug. 9.
Car-wall structure. C. D. Bonsall. 1,638,144; Aug. 9.
Cars, Corner post for drop and gondola. A. G. Sandman. 1,638,128; Aug. 9.
Cars, Corrugated metallic plate for railway. G. G. Gilpin. 1,638,153; Aug. 9.

Cars, Corrugated metallic plate for railway. G. G. Gilpin. 1,638,156; Aug. 9.
Cars, Corrugated structure for railway. G. G. Gilpin. 1,638,154; Aug. 9.
Cars, Corrugation in hopper doors for railroad. V. E. Sisson. 1,638,167–9; Aug. 9.
Cars, Door-closing device for box. L. F. Johnson. 1,638,694; Aug. 9.
Cars, End plate for railway box. G. T. Cooke. 1,638,147; Aug. 9.
Cars, End reenforcement for railway. G. T. Cooke. 1,638,148; Aug. 9.
Cars, Hopper door for railway. G. G. Gilpin. 1,638,157; Aug. 9.
Cars, Hopper door for railway. V. E. Sisson. 1,638,166; Aug. 9.
Cars, Hopper door for railway. V. E. Sisson. 1,638,170–1; Aug. 9.
Cars, Hopper door for railway. J. S. Swann. 1,638,603; Aug. 9.
Cars, Metal end structure for railway. A. E. Small. 1,638,172; Aug. 9.
Cars, Panel bracing in hopper doors for railway. C. D. Bonsall. 1,638,143; Aug. 9.
Cars, Paneling for hopper doors for railway. C. D. Bonsall. 1,638,142; Aug. 9.
Cars, Reenforcing hopper door for railway. G. G. Gilpin. 1,638,155; Aug. 9.
Carbon-black-producing apparatus. C. A. Barbour, jr. 1,638,722; Aug. 9.
Card holder. G. B. Edgar and L. R. Melvin. 1,638,328; Aug. 9.
Carline reenforcement and load-lifting attachment. C. D. Bonsall. 1,638,145; Aug. 9.
Carrier: *See*—
Braiding carrier. Portable carrier.
Message carrier.
Carrying boards, Securing cases to. D. E. Rose, K. G. Pulliam, jr., and H. E. Hossfeld. 1,638,216; Aug. 9.
Carton-blank separator. H. K. Becker and E. G. Jurgens. 1,638,518; Aug. 9.
Carton-feeding machine. S. R. Howard. 1,638,899; Aug. 9.
Cartridge fuse. L. W. Kelsay. 1,638,534; Aug. 9.
Case: *See*—
Brief case. Display and vanity case.
Cigarette case. Spectacle case.
Cash register. W. H. Robertson. 1,638,275; Aug. 9.
Casing puller and cutter. R. C. Lewis and F. S. Harris. 1,638,494; Aug. 9.
Casserole. G. E. Ahrendts. Des. 73,220; Aug. 9.
Catafalque. J. R. Zentz. Des. 73,247; Aug. 9.
Chain and links, Steel conveyer. G. L. Morehead and F. S. O'Neil. 1,638,267; Aug. 9.
Chain, Power-transmission. W. J. Belcher. 1,638,388; Aug. 9.
Chain, Transmission. W. J. Belcher. 1,638,189; Aug. 9.
Chair: *See*—
Toilet chair.
Charge-forming device, Auxiliary. A. J. Coppock. 1,638,567; Aug. 9.
Chassis, Automobile. H. E. Cross. 1,638,292; Aug. 9.
Checking table, Foldable. W. J. Hausman. 1,638,505; Aug. 9.
Chemical mixing and feeding apparatus. W. H. Green. 1,638,119; Aug. 9.
Chocolate-dipping table and cooler, Combined. J. Korkames. 1,638,041; Aug. 9.
Cooling device, Liquid. G. D. Gates. 1,638,571; Aug. 9.
Cigar lighter and lamp, Combined. R. F. Schiele. 1,638,751; Aug. 9.
Cigarette case. T. B. Rice and F. W. Williams. 1,638,363; Aug. 9.
Cigarette-dispensing machine. J. Hantschel. 1,638,732; Aug. 9.
Circuit breaker. F. J. Fencl. 1,638,686; Aug. 9.
Circuit closer. A. H. Hopfner. 1,638,439; Aug. 9.
Circuit connecter. R. D. Malley. 1,638,123; Aug. 9.
Circuit system and remote control, Selective. A. R. Locke. 1,638,774; Aug. 9.
Clamp: *See*—
Collar leak clamp.
Clamping means. A. Alsaker. 1,638,230; Aug. 9.
Cleaner: *See*—
Waste-pipe cleaner.
Cleaner and heat converter, Combination warm-air. L. M. Thorson and K. B. Ward. 1,638,606; Aug. 9.
Cleat, Gangboard. G. L. Dyer. 1,638,477; Aug. 9.
Closure fastening. W. H. Santee. 1,638,748; Aug. 9.
Clothesline lock. S. Wood. 1,638,282; Aug. 9.
Clothes washer. O. P. Greenstreet. 1,638,780; Aug. 9.
Clutch. J. O. Mesa. 1,638,542; Aug. 9.
Clutch. A. Tamb. 1,638,876; Aug. 9.
Coal-mining apparatus. N. D. Levin. 1,638,447; Aug. 9.
Coaster vehicle. E. F. Hesch. 1,638,487; Aug. 9.
Coating compositions. C. D. Hocker. 1,638,579; Aug. 9.
Coffee maker. T. Magliano. 1,638,013; Aug. 9.
Coil, Variable inductance. S. J. Wood and H. A. Greene, jr. 1,638,385; Aug. 9.
Coin-controlled device. W. C. De Armond and W. R. H. Watt. 1,638,682; Aug. 9.
Collar button. W. R. Larter. 1,638,491; Aug. 9.
Collar, Coat. F. and H. Hohenstein. 1,638,692; Aug. 9
Collar leak clamp. J. W. French and E. D. Chabasol. 1,638,482; Aug. 9.
Comb: *See*—
Body comb. Hair comb.
Compact press and making compacts. T. J. Lewis. 1,638,696; Aug. 9.
Compensator, Distortion. K. Küpfmüller. 1,638,536; Aug. 9.
Composition for cleaning glass which will prevent misting and the collection of globules of moisture therein. C. H. Ohlwiler. 1,638,272; Aug. 9.
Compositions of matter, Producing articles from. A. Barnes-Thomas. 1,638,108; Aug. 9.
Compound, Insulating. J. M. Wilson. 1,638,557; Aug. 9.
Compressor. J. P. Wildman. 1,638,674; Aug. 9.
Compressor, Air. H. M. Dunlap and D. M. Putnam. 1,638,114; Aug. 9.
Compressor, Fluid. F. B. Stearns. 1,638,418; Aug. 9.
Compressor unit, Automatic air-. F. J. Rayfield. 1,638,212; Aug. 9.
Computing machines, Shutter for. A. Vanderveld. 1,638,514; Aug. 9.
Concrete building construction. A. F. Bemis and H. W. Brown. 1,638,080; Aug. 9.
Concrete, Machine for making compressed. R. C. Stubbs. 1,638,667; Aug. 9.
Condenser. J. J. Hilliard. 1,638,806; Aug. 9.
Condenser installation. H. F. Schmidt. 1,638,645; Aug. 9.
Confection and making a confection. C. K. Nelson. 1,638,548; Aug. 9.
Contact-making device. F. C. Bauer. 1,638,517; Aug. 9.
Contact-rectifying device. W. O. Snelling. 1,638,278; Aug. 9.
Containers, Making. E. F. Hulbert. 1,638,035; Aug. 9.
Control mechanism. G. E. Smith. 1,638,786; Aug. 9.
Cooking utensils and the like, Steam-escape device for. W. N. C. Louw. 1,638,589; Aug. 9.
Cooper, Hardening. W. H. Weiser. 1,638,076; Aug. 9.
Coping and punching machine. H. L. Christie. 1,638,526; Aug. 9.
Corn popper. J. G. Le Pere. 1,638,493; Aug. 9.
Corset and brassière, Combined detachable. W. Somers. 1,638,787; Aug. 9.
Cotter-pin puller. W. H. Burke. 1,638,616; Aug. 9.
Coupling: *See*—
Flexible coupling. Shaft coupling.
Friction coupling.
Coupling loosener. F. L. Scott. 1,638,219; Aug. 9.
Crate. C. A. Woolsey. 1,638,229; Aug. 9.
Crucible, Electrothermic. C. B. Foley. 1,638,660; Aug. 9.
Crusher: *See*—
Vegetable and fruit crusher.
Culinary implement. N. P. Hayes. 1,638,486; Aug. 9.
Culvert, Highway. H. L. Zander. 1,638,428; Aug. 9.
Cup: *See*—
Grease cup. Oil cup.
Current installations, Protective device for use in polyphase-. R. Keller. 1,638,538; Aug. 9.
Curtain handle, Vestibule-. P. G. Emery. 1,638,685; Aug. 9.
Curtain stretcher. F. J. Thayer. 1,638,069; Aug. 9.
Curtain, Vehicle side. M. B. Harris. 1,638,334; Aug. 9.
Cuspidor container. F. Huss. 1,638,441; Aug. 9.
Cutting machine, Portable cabbage-. C. E. Smith and J. N. Karp. 1,638,416; Aug. 9.
Cyanide compound into ammonia, Converting. G. H. Buchanan and J. L. Osborne. 1,638,522; Aug. 9.
Demonstrating machine. P. W. Mowry. 1,638,406; Aug. 9.
Dental hand piece. G. A. Terry. 1,638,175; Aug. 9.
Denture attachment. I. Stern. 1,638,553; Aug. 9.
Designs to a surface, Applying. L. S. Rosener. 1,638,364; Aug. 9.
Die-casting machine. E. Thieslack. 1,638,717; Aug. 9.
Direction indicator Motor-vehicle. A. J. Allard. 1,638,429; Aug. 9.
Dishwashing machine. G. L. Ohmart. 1,638,549; Aug. 9.
Dispensing can. J. H. Miller. 1,638,778; Aug. 9.
Dispensing device. N. C. Pike. 1,638,456; Aug. 9.
Dispensing-machine case. P. R. Hoopes. Des. 73,228; Aug. 9.
Display and vanity case, Combination. T. J. Lewis. 1,638,633; Aug. 9.
Display container. R. E. Myrick. 1,638,206; Aug. 9.
Display device. J. L. Viscount. 1,638,177; Aug. 9.
Display rack. H. S. Best. 1,638,236; Aug. 9.
Display stand. W. E. Kehoe. Des. 73,230; Aug. 9.
Door, Grain. C. F. Morgan. 1,638,503; Aug. 9.
Door opener, Safety electric. P. A. Caron. 1,638,240; Aug. 9.
Drapery hangers, Device for vertically adjusting. L. H. Robinson. 1,638,411; Aug. 9.
Drier felt, Asbestos. E. v. Asten. 1,638,721; Aug. 9.
Drill: *See*—
Radial drill. Well drill.
Driving mechanism and method. T. A. Bryson. 1,638,239; Aug. 9.
Dropper: *See*—
Sugar-beet-seed dropper.
Drum, Snare. C. H. Strupe. 1,638,106; Aug. 9.
Drying and enameling, Method of and apparatus for. A. Maehler and K. Siegele. 1,638,511; Aug. 9.

Dyeings, Obtaining fast-colored discharges on fast. W. Cotton. 1,638,475; Aug. 9.
Egg-turning device. G. M. Turpin. 1,638,072; Aug. 9.
Electric apparatus. P. C. Hewitt. 1,638,158; Aug. 9.
Electric motor. H. W. Jeannin. 1,638,531; Aug. 9.
Electric power-transmission system. A. M. Taylor. 1,638,647; Aug. 9.
Electric socket support and housing. F. A. Frerichs. 1,638,662; Aug. 9.
Electric switch. H. E. Campbell and E. F. Mekelburg. 1,638,617; Aug. 9.
Electric switch. H. O. Engstrom. 1,638,658; Aug. 9.
Electric switch. W. R. Walker. 1,638,131–2; Aug. 9.
Electrical heating device for smoothing and drying hair on a person's head. C. O. Morgan. 1,638,268; Aug. 9.
Electrical network. D. K. Gannett and M. Kirkwood. 1,638,437; Aug. 9.
Electromagnetic indicator. F. G. Brewster. 1,638,614; Aug. 9.
Electromagnetic time-element device. C. H. Chapman. 1,638,322; Aug. 9.
Electron-discharge device. A. Mavrogenis. 1,638,499; Aug. 9.
Electron-discharge device. V. L. Ronci. 1,638,551; Aug. 9.
End-matching machines, Board kicker for. C. A. Killebrew. 1,638,310; Aug. 9.
Engine: *See*—
Internal-combustion engine.
Engine and generator cooling system. A. E. Buchenberg. 1,638,146; Aug. 9.
Engine-starting apparatus. L. H. Davis. 1,638,246; Aug. 9.
Engine-starting apparatus. G. W. Elsey. 1,638,248; Aug. 9.
Engine-starting apparatus. W. O. Kennington. 1,638,265; Aug. 9.
Engine-starting apparatus. W. W. Riedel. 1,638,214; Aug. 9.
Engines, Cylinder casting for steam. J. Kupka. 1,638,736; Aug. 9.
Engines, Exhaust silencer for internal-combustion. J. Neil. 1,638,780; Aug. 9.
Engines, Force-feed lubricating system for hydrocarbon. C. A. Winslow and E. J. Hall. 1,638,281; Aug. 9.
Engines, Fuel-injection device for internal-combustion. K. Himmelsbach. 1,638,032; Aug. 9.
Engines, Gaseous-fuel pump for internal-combustion. E. R. Burtnett. 1,638,289; Aug. 9.
Engines, Starting internal-combustion. C. F. Heywood. Re16,695–6; Aug. 9.
Engines, Vaporizer for internal-combustion. P. D. Inhofe. 1,638,308; Aug. 9.
Evaporator. I. Merlis. 1,638,697; Aug. 9.
Excavator bucket with digging teeth, Endless-chain. C. Rorabeck. 1,638,099; Aug. 9.
Exerciser. H. Q. Guth. 1,638,196; Aug. 9.
Exercising eye muscles, Apparatus for. J. M. Powell. 1,638,058; Aug. 9.
Exhaust box. W. de Back. 1,638,760; Aug. 9.
Exhaust muffler. V. E. Clark. 1,638,087; Aug. 9.
Exhibitor. H. V. Van Nuys. 1,638,464; Aug. 9.
Fabricated board. C. W. Utzman. 1,638,280; Aug. 9.
Fan. F. R. and G. Vordermark. 1,638,379; Aug. 9.
Fan blade. K. L. Parker. 1,638,129; Aug. 9.
Fan-oscillating mechanism. J. F. Galvin and W. B. Kochner. 1,638,027; Aug. 9.
Fastener. J. M. van Heusen. 1,638,073; Aug. 9.
Fastener, Separable. D. M. Burmister. 1,638,321; Aug. 9.
Fastening device. G. H. Ennis. 1,638,763; Aug. 9.
Faucet. F. Tibble. 1,638,020; Aug. 9.
Feed box. N. O. Nilsson. 1,638,270; Aug. 9.
Feed tank. R. Warriner. 1,638,607; Aug. 9.
Feeder, Eextension. H. C. Wallace. 1,638,075; Aug. 9.
Fence-making machine. J. A. Cocker. 1,638,528; Aug. 9.
Film cartridge, Roll-. K. C. D. Hickman. 1,638,577; Aug. 9.
Film-pack construction. A. A. Ruttan. 1,638,552; Aug. 9.
Filter, Continuous battery oil. H. A. Hills. 1,638,201; Aug. 9.
Firearm. C. C. Loomis. 1,638,351; Aug. 9.
Fire extinguisher. G. J. Mead. 1,638,050; Aug. 9.
Fire extinguisher. J. Raus. 1,638,017; Aug. 9.
Fire extinguisher. K. Schmidt. 1,638,597; Aug. 9.
Fire extinguisher, Dry. W. Friedrich. 1,638,729; Aug. 9.
Fireplace. T. Burley. 1,638,286; Aug. 9.
Fishing bait. C. M. Rodgers. 1,638,215; Aug. 9.
Flash light and handle, Combined. I. Jones. 1,638,039; Aug. 9.
Flexible coupling. W. T. Sandifer. 1,638,412; Aug. 9.
Flower receptacle. M. K. Finlayson. 1,638,250; Aug. 9.
Flue, Ventilator outtake. N. A. Lichty and C. L. Ostrander. 1,638,738; Aug. 9.
Fluid-testing device. J. J. Groetken. 1,638,333; Aug. 9.
Fluting machine. C. A. Frahm. 1,638,481; Aug. 9.
Footwear. Machine for the manufacture of. G. De Vooght. 1,638,186; Aug. 9.
Forging machine. F. A. Halleck. 1,638,258; Aug. 9.
Forging machine. W. H. Wineman. 1,638,225; Aug. 9.
Forging mechanism. F. A. Halleck. 1,638,259; Aug. 9.
Frame: *See*—
Window-light frame.
Friction coupling. F. Lobe. 1,638,773; Aug. 9.
Fruit-coring device. T. F. Cooney. 1,638,798; Aug. 9.
Fuel and producing the same, Fluid. E. J. Barth and F. Hovell. 1,638,314; Aug. 9.
Fuel economizer. R. N. Murakami. 1,638,015; Aug. 9.
Fuel, Gasifier for liquid. F. Kress. 1,638,772; Aug. 9.
Fuel-stoking device. C. H. Hall and W. Lloyd. 1,638,396; Aug. 9.
Fungicide. R. B. Derr. 1,638,089; Aug. 9.
Funnel. J. H. Le Bel. 1,638,446; Aug. 9.
Furnace: *See*—
Blast furnace.
Furniture leg slide. W. H. Noelting. 1,638,359; Aug. 9.
Fuse block, Electric terminal. J. M. Gunn. 1,638,257; Aug. 9.
Fuse puller. C. A. Pendleton. 1,638,703; Aug. 9.
Game. B. R. Gilmour. 1,638,094; Aug. 9.
Game, Card. A. B. Copeland. 1,638,433; Aug. 9.
Game, Golf-simulating. T. C. Ryan. 1,638,365; Aug. 9.
Gas and liquid contact apparatus. F. H. Wagner. 1,638,670; Aug. 9.
Gas apparatus. G. O. Curme, jr., and H. E. Thompson. 1,638,434; Aug. 9.
Gases, Reduction process using circulating reducing. E. Edwin. 1,638,684; Aug. 9.
Gasoline-dispensing apparatus. P. W. Fenton. 1,638,687; Aug. 9.
Gate: *See*—
Railway gate. Railway-crossing gate.
Gate propeller, Automatic. J. R. Jackson. 1,638,202; Aug. 9.
Gauge: *See*—
Pressure gauge. Wheel gauge.
Strain gauge.
Gear and making the same, Silent. J. R. Gammeter. 1,638,255; Aug. 9.
Gear mechanisms, Soundproofing. H. Ford. 1,638,118; Aug. 9.
Gear-shift-control apparatus. F. A. Fuci. 1,638,802; Aug. 9.
Gear, Steering. M. Bray. 1,638,318; Aug. 9.
Gear transmission, Clutch mechanism for a constant-mesh. P. Mac Kenzie. 1,638,590; Aug. 9.
Gearing, Transmission. L. I. Lewis. 1,638,348; Aug. 9.
Gears and making the same, Blank for. A. C. Hoof. 1,638,012; Aug. 9.
Girder. L. S. Lachman. 1,638,634; Aug. 9.
Girder. L. S. Lachman. 1,638,637; Aug. 9.
Girder, Electrically-welded. L. S. Lachman. 1,638,636; Aug. 9.
Glass-melting tank. K. G. Kutchka. 1,638,737; Aug. 9.
Glass, Method and apparatus for shaping articles of. V. O. Cornwell and A. Moeller. 1,638,620; Aug. 9.
Glass-surfacing apparatus. H. K. Hitchcock. 1,638,768; Aug. 9.
Glassware, Apparatus for annealing. O. C. Kuhrt. 1,638,401; Aug. 9.
Glide caster. J. L. Chesnutt. 1,638,725; Aug. 9.
Golf tee. G. Clausing. 1,638,527; Aug. 9.
Golf tee. D. L. Manson. 1,638,448; Aug. 9.
Granular materials, Method of and apparatus for screening. R. A. Leahy. Re16,701; Aug. 9.
Grave marker. D. F. Forwood. 1,638,193; Aug. 9.
Grease cup. J. J. Thorp. 1,638,377; Aug. 9.
Grease retainer. W. L. Trautner. 1,638,378; Aug. 9.
Grinding machine. P. Brühl. 1,638,082; Aug. 9.
Grinding machine. F. E. Gardner. 1,638,028; Aug. 9.
Grinding, refining, and mixing machine. J. McIntyre. 1,638,355; Aug. 9.
Grip. H. J. Papin. 1,638,454; Aug. 9.
Grooved wheel. W. O'Brien. 1,638,702; Aug. 9.
Guard-rail fastening. T. Maney. 1,638,739; Aug. 9.
Hair comb, Fountain. J. W. Burgewitz. 1,638,523; Aug. 9.
Hair curler, Electrical. A. B. Gordon. 1,638,302; Aug. 9.
Hair-piece attachment. J. Oppenheim. 1,638,016; Aug. 9.
Hair-waving device. I. Jayne and E. R. Rinker. 1,638,442; Aug. 9.
Hammer, Saw-swaging. J. Hasselberg. 1,638,632; Aug. 9.
Handle: *See*—
Curtain handle.
Handle attachment. F. D. Bowen. 1,638,390; Aug. 9.
Handwheel. J. W. Lee. 1,638,044; Aug. 9.
Hanger box. R. F. Runge. 1,638,747; Aug. 9.
Hangers, Attachment for garment. F. Stutz. 1,638,375; Aug. 9.
Hat. C. Lipper. 1,638,349; Aug. 9.
Hatbox. J. Dreyfus. 1,638,568; Aug. 9.
Headdress. H. Wallman. 1,638,756; Aug. 9.
Headlight. S. Moore and F. O. Sheets. 1,638,450; Aug. 9.
Headlights of motor vehicles, Light-deflecting attachment for. W. H. Ratnour. 1,638,408; Aug. 9.
Heat exchanger. L. C. Whiton. 1,638,107; Aug. 9.
Heat regulator. J. W. Houch. 1,638,582; Aug. 9.
Heater: *See*—
Air heater. Water heater.
Automobile heater.
Heater. H. L. Horning, J. B. Fisher, and A. W. Pope, jr. 1,638,581; Aug. 9.
Heating, cooling, or drying materials, Apparatus for. V. Cano. Re16,699; Aug. 9.
Heel, Rubber-cushioned. H. G. Norwood. 1,638,701; Aug. 9.
Hemstitching mechanism, Multiple-needle. H. A. Jacobs and C. E. Jacobs. 1,638,338; Aug. 9.

Hides and leather, Holdfast for stretching. E. G. Lowe. 1,638,046; Aug. 9.
Hinge, Transom. L. S. Simon. 1,638,065; Aug. 9.
Hog house, Sanitary heated. C. V. Short. 1,638,712; Aug. 9.
Hook: *See*—
Torpedo hook.
Horn, Acoustic. M. Abrahams. Des. 73,217–18; Aug. 9.
Horn push button. E. N. Jacobi. 1,638,037; Aug. 9.
Hose supporter and shirt adjuster, Combined. C. G. Guy. 1,638,304; Aug. 9.
House: *See*—
Hog house.
Hydraulic mechanism. E. Cannon. 1,638,653; Aug. 9.
Hydrocarbon oil conversion. L. C. Huff. 1,638,735; Aug. 9.
Hydrocarbons, Apparatus for cracking. G. Egloff and J. G. Alther. 1,638,116; Aug. 9.
Hydrocarbons, Material for the treatment of. A. B. Way. 1,638,022; Aug. 9.
Hydrocarbons, Treating. C. P. Dubbs. 1,638,112; Aug. 9.
Hydrocarbons, Treating. A. B. Way. 1,638,021; Aug. 9.
Ice colors on cotton, Producing. K. Jellinck and W. Christ. 1,638,121; Aug. 9.
Ice-cream-handling apparatus. S. B. Whiteside. 1,638,134; Aug. 9.
Ice cream, ices, or the like, Container or receptacle for the dispensing of. M. Feybusch. 1,638,480; Aug. 9.
Ice machine. R. Artus. 1,638,179; Aug. 9.
Ignition system. C. H. Kindl. 1,638,266; Aug. 9.
Incinerator. E. M. Jones. 1,638,771; Aug. 9.
Incubators, Egg receptacle for. H. C. Gregg. 1,638,303; Aug. 9.
Indicating means and the like. C. K. Woodbridge. 1,638,558; Aug. 9.
Indicator: *See*—
Direction indicator. Street and station indicator.
Electromagnetic indicator. Weight indicator.
Inner tubes or the like, Testing case for. W. E. McAshland. 1,638,049; Aug. 9.
Insect catcher. C. Y. Hake. 1,638,690; Aug. 9.
Insole, Molded flange. A. H. Prensel. 1,638,705; Aug. 9.
Insole, Waterproofed. C. A. Morin. 1,638,504; Aug. 9.
Insulated conductors, Making. E. B. Wheeler. 1,638,556; Aug. 9.
Internal-combustion engine. E. R. Burtnett. 1,638,287–8; Aug. 9.
Internal-combustion engine. E. R. Burtnett. 1,638,291; Aug. 9.
Internal-combustion engine. E. R. Burtnett and H. A. Brunell. 1,638,290; Aug. 9.
Ironing table. A. L. Hartman. 1,638,732; Aug. 9.
Ironing table. G. W. Lewis. 1,638,847; Aug. 9.
Jack: *See*—
Truck jack.
Joint: *See*—
Pipe joint. Universal joint.
Journal box. G. E. McCoy and E. Hawker. 1,638,124; Aug. 9.
Jumping device. G. H. Long. 1,638,350; Aug. 9.
Kit, Actor's make-up. C. McKash. 1,638,856; Aug. 9.
Knife, Paring and slicing. J. Battaini. 1,638,468; Aug. 9.
Knitting machines, Cam-slide adjustment for. W. S. Parker. 1,638,164; Aug. 9.
Labeling process. W. H. Bentley. 1,638,795; Aug. 9.
Lamp bulb, Colored-incandescent-. F. Skaupy. 1,638,369; Aug. 9.
Lamp-socket construction. L. A. Hofstetter. 1,638,691; Aug. 9.
Lands and forming bulkheads, Reclaiming. A. C. Chenoweth. 1,638,656; Aug. 9.
Last, Hinged. H. W. Gerrish. 1,638,627; Aug. 9.
Latch, Door. W. D. Ferris. 1,638,249; Aug. 9.
Latch, Remote-control. E. B. Heintz. 1,638,198; Aug. 9.
Lathe, Copying. H. A. Schultz. 1,638,511; Aug. 9.
Laundry-bag holder. O. Jetel. 1,638,208; Aug. 9.
Leer construction. H. K. Hitchcock. 1,638,769; Aug. 9.
Leg and ankle support. A. A. Brooks. 1,638,285; Aug. 9.
Leg construction. C. H. Busch and W. A. Vollmer. 1,638,561; Aug. 9.
Legging. T. Kelly. 1,638,206; Aug. 9.
Lens-cutting machine. W. Schlüter. 1,638,063; Aug. 9.
Lifting device. J. J. Duckworth. 1,638,090; Aug. 9.
Light signal. O. S. Field. 1,638,625; Aug. 9.
Lighting and ignition magneto. J. H. Hunt. 1,638,307; Aug. 9.
Lighting fixture. T. J. Nelson. Des. 73,235; Aug. 9.
Lighting fixture. T. Shapiro. Des. 73,239–44; Aug. 9.
Lighting switch, Time-controlled. B. A. Taromino. 1,638,604; Aug. 9.
Line-spacing mechanism. H. A. Foothorap. 1,638,191; Aug. 9.
Liquid-flow time switch. W. R. Walker. 1,638,130; Aug. 9.
Liquids, Device for distributing. E. L. Larison. 1,638,042; Aug. 9.
Liquids, Obtaining solidified granules or pearls for. W. Wachtel. 1,638,669; Aug. 9.
Load-lifting devices, Attaching means for. A. E. Small. 1,638,010; Aug. 9.
Lock: *See*—
Automobile lock. Tire lock.
Clothesline lock.
Locking device. S. M. Gagnon. 1,638,300; Aug. 9.
Locomotive. S. W. Farnham. Re16,700; Aug. 9.
Locomotive, Steam-turbine. G. Belluzzo. 1,638,079; Aug. 9.
Locomotives, etc., Driving wheel for. H. Glaenser. 1,638,663; Aug. 9.
Loom shuttles, Tension device for. J. Lucas. 1,638,496; Aug. 9.
Looms, Let-off mechanism for. W. J. Lutton. 1,638,497; Aug. 9.
Loud speaker. C. C. Davis. 1,638,245; Aug. 9.
Lubricating apparatus, Connecter for. A. E. Kellogg. 1,638,488; Aug. 9.
Lubricator. H. M. Ludwick. 1,638,775; Aug. 9.
Lustrous variegated plastic product and making same. H. A. Cook. 1,638,529; Aug. 9.
Machines for casting lines of type, Cam stop strip for keyboard assemblies of. G. L. Curle. 1,638,799; Aug. 9.
Magnetizable objects, Apparatus for testing. B. Stoughton. 1,638,174; Aug. 9.
Mail-stamping machines, Adjustable track for. G. E. Sheldrick. 1,638,752; Aug. 9.
Marble, tiles, slabs, and similar material especially for use for decorative purposes in buildings and other places, Imitation. A. Barnes-Thomas. 1,638,109; Aug. 9.
Match receptacle. M. T. Spring. 1,638,222; Aug. 9.
Measuring by auxiliary energy, System of. E. Roučka. 1,638,101; Aug. 9.
Measuring system. E. Roučka. 1,638,100; Aug. 9.
Measuring system. E. Roučka. 1,638,102; Aug. 9.
Measuring system. E. Roučka. 1,638,104; Aug. 9.
Mercury switch, Rotating cylindrical glass. W. R Walker. 1,638,133; Aug. 9.
Message carrier. J. G. Maclaren. 1,638,047; Aug. 9.
Metal sheets, Machine for feeding and coating. H. Hermani. 1,638,398; Aug. 9.
Metals with gases, Reacting. H. R. Carveth. 1,638,471; Aug. 9.
Micrometer. H. Sandoz. 1,638,366; Aug. 9.
Milk-bottle cap. B. Kuhne. 1,638,489–90; Aug. 9.
Mill: *See*—
Rolling mill.
Mining and loading machine. E. O'Toole. 1,638,507; Aug. 9.
Mining machine. N. Pedulla. 1,638,361; Aug. 9.
Minnow trap, Sectional folding. J. M. Brantigam and M. C. Bright. 1,638,238; Aug. 9.
Mirror and rack, Combined. H. Pick. 1,638,509; Aug. 9.
Mirror and table mirror, Combined hand. J. J. Walsh. 1,638,672; Aug. 9.
Miter box. C. Grubbs. 1,638,011; Aug. 9.
Mixing device. A. L. Lathrop. 1,638,585; Aug. 9.
Mold: *See*—
Tire mold.
Molding machine. W. Lewis. 1,638,665; Aug. 9.
Morris-chair frame. C. C. Kusterer. Des. 73,231–2; Aug. 9.
Motor: *See*—
Electric motor. Pneumatic motor.
Motors, Starting apparatus for synchronous. H. V. Putman. 1,638,274; Aug. 9.
Mowers, Power attachment for. J. A. Cook. 1,638,680; Aug. 9.
Muffler construction. T. S. Kemble. 1,638,309; Aug. 9.
Multiplication of two factors, Device for the mechanical. O. Eppenstein. 1,638,190; Aug. 9.
Musical instrument. C. H. R. Longbottom. 1,638,495; Aug. 9.
Musical instrument, Stringed. J. N. Ward. 1,638,423; Aug. 9.
Musical instruments and the like, Pneumatic-valve controlling mechanism for. A. P. Gustafson. 1,638,485; Aug. 9.
Musical instruments, Pneumatic action for. H. J. La Joie and U. Urquhart. 1,638,345; Aug. 9.
Musical instruments, Transposing device for. J. B. Fiala. 1,638,297; Aug. 9.
Name plate and sign frame. A. E. Dieudonne. 1,638,761; Aug. 9.
Necktie supporter. J. H. Johnson. 1,638,809; Aug. 9.
Nest. O. W. Strawn. 1,638,374; Aug. 9.
Nitrobenzene, Manufacture of. J. W. Livingston and L. P. Kyrides. 1,638,045; Aug. 9.
Oil and making the same, Medium for treating. H. Schlosstein. 1,638,642–4; Aug. 9.
Oil, Cracking. G. Egloff. 1,638,093; Aug. 9.
Oil cup, Automatic. B. G. Gilbough. 1,638,484; Aug. 9.
Oil-diluent separator. S. W. Briggs. 1,638,319; Aug. 9.
Oil from oil-bearing materials, Removing. W. Hoskins. 1,638,530; Aug. 9.
Oil, Method of and apparatus for cracking. F. M. Hess. 1,638,335; Aug. 9.
Oil, Process of and apparatus for cracking. G. Egloff. 1,638,115; Aug. 9.
Oil product and making the same, Fish-. D. Molofsky. 1,638,700; Aug. 9.
Oil shale, Retort for treating. E. B. Roth. 1,638,217; Aug. 9.
Oils, Cracking. C. P. Dubbs. 1,638,113; Aug. 9.

Opener and cleaner, Horizontal. J. K. Whittier, F. D. Langevin, and R. S. Curley. 1,638,649; Aug. 9.
Ophthalmic mountings, Tool for widening and narrowing bridges of. E. E. Bell. 1,638,078; Aug. 9.
Ores or other suitable materials, Apparatus for reducing. F. E. Whitham. 1,638,381; Aug. 9.
Ornament, Pendant. G. W. Peterson and B. T. Walls. 1,638,743; Aug. 9.
Ornamentations. C. Andrews. 1,638,811; Aug. 9.
Outlet box. C. Renshaw. 1,638,510; Aug. 9.
Oven, Drying and enameling. A. Maehler and H. Thate. 1,638,812; Aug. 9.
Package-feed mechanism, Automatic. J. A. Butler. 1,638,391; Aug. 9.
Packing-gland structure. L. D. Collar. 1,638,619; Aug. 9.
Packing, Piston. J. F. Panyard. 1,638,453; Aug. 9.
Pad: *See*—
  Tampion pad.
Paper, Apparatus and method for packaging. H. P. Carruth and W. C. Ludwig. 1,638,563; Aug. 9.
Paper article method and apparatus. C. A. Flood and J. H. Gibbs. 1,638,298; Aug. 9.
Paper articles, Crepe-. C. A. Flood and J. H. Gibbs. 1,638,299; Aug. 9.
Paper-coloring device. K. Wille and W. Tieke. 1,638,757; Aug. 9.
Paper-folding machine. J. H. Shipley. 1,638,176; Aug. 9.
Paving block. T. J. Priestman. 1,638,744; Aug. 9.
Paving roller and steering mechanism. P. W. Dietly. 1,638,294; Aug. 9.
Pedestal, Car truck. G. A. Woodman. 1,638,675; Aug. 9.
Pedestal, Expansion. J. N. Heltzel. Re16,694; Aug. 9.
Pencil. F. Furedy. 1,638,026; Aug. 9.
Permanent-wave device. C. Kadane and A. Joyce. 1,638,443; Aug. 9.
Phosphate rock, Treating. H. Blumenberg, jr. 1,638,677; Aug. 9.
Photographic mount. J. A. Cameron. 1,638,562; Aug. 9.
Piano, Player grand. C. Gulbransen. 1,638,629; Aug. 9.
Pianos, Dust-collecting valve mechanism for player. C. F. Stoddard. 1,638,420; Aug. 9.
Pianos, Equalizer for automatic player. C. F. Stoddard. 1,638,419; Aug. 9.
Picture machine, Talking-. T. W. Case. 1,638,393; Aug. 9.
Picture machine, Talking-moving-. T. W. Case. 1,638,392; Aug. 9.
Picture projector, Motion-. E. C. Fritts. 1,638,569; Aug. 9.
Pipe joint, Rotary-. F. C. Vandergrift. 1,638,224; Aug. 9.
Pipe-threading machine. L. S. Hall. 1,638,030; Aug. 9.
Pipes, Emergency repair for. G. H. Mullinack. 1,638,269; Aug. 9.
Pistol, Automatic. E. Philippart. 1,638,783; Aug. 9.
Pistols, Magazine safety device for automatic. G. H. Tansley. 1,638,068; Aug. 9.
Piston valve for the control of fluids. R. E. Mitton. 1,638,405; Aug. 9.
Pitcher. G. R. Ahrendts. Des. 73,222; Aug. 9.
Plant-setting machine. G. A. Shaw. 1,638,368; Aug. 9.
Plastic glass, Method of and apparatus for conveying. V. Mulholland. 1,638,593; Aug. 9.
Plastic material. A. R. Kemp. 1,638,535; Aug. 9.
Plate. F. H. Sebring, jr. Des. 73,238; Aug. 9.
Plate or similar article. G. R. Ahrendts. Des. 73,219; Aug. 9.
Platen, Portable hand-operated flat. H. A. Foothorap. 1,638,192; Aug. 9.
Pneumatic motor. E. H. Shaff. 1,638,512; Aug. 9.
Pole, Hollow. H. K. Walker. 1,638,515; Aug. 9.
Polishing device. E. Fulda. 1,638,570; Aug. 9.
Polishing machine, Floor-. R. E. Merrill. 1,638,591; Aug. 9.
Porous objects, Indurating. J. J. Kressler. 1,638,342; Aug. 9.
Portable carrier. A. L. Aldrich. 1,638,794; Aug. 9.
Powder container and toothbrush holder, Combined. A. E. Hennen. 1,638,397; Aug. 9.
Powder dispenser, Adjustable. A. J. Krank. 1,638,584; Aug. 9.
Powdering machine. H. R. Congdon. 1,638,566; Aug. 9.
Press: *See*—
  Pencil-printing press.
  Printing press.
  Shearing and forging press.
Pressing machines, Attachment for steam. J. W. De Ford. 1,638,293; Aug. 9.
Pressure gauge, Electrical. H. Epstein. 1,638,814; Aug. 9.
Pressure-reducing device. J. O. Carrey. 1,638,110; Aug. 9.
Printer's type, Renovating. I. Hirsch. 1,638,033; Aug. 9.
Printing press. L. H. Morse. 1,638,543–4; Aug. 9.
Printing press, Pencil-. G. F. Rabus. 1,638,127; Aug. 9.
Printing presses, Antioffset mechanism for. R. J. Greenway. 1,638,572–6; Aug. 9.
Printing presses, Platen release for. H. C. Osborn. 1,638,506; Aug. 9.
Printing presses, Safety device for flat-bed. P. Colquhoun. 1,638,565; Aug. 9.
Propeller, Screw. H. Leitner. 1,638,695; Aug. 9.
Propeller, Vacuum. F. Travnicek. 1,638,071; Aug. 9.
Propelling mechanism for air navigators. A. Chiarelli. 1,638,726; Aug. 9.
Puller: *See*—
  Cotter-pin puller.
  Fuse puller.
Pully wheel. A. Anderson. 1,638,720; Aug. 9.
Pump or compressor, Gyratory. F. I. L. Bylger. 1,638,183; Aug. 9.
Pump rods, Shock absorber for oil-well. W. F. Reschke. 1,638,213; Aug. 9.
Pump, Submersible. J. E. Baldwin. 1,638,887; Aug. 9.
Pump, Variable-capacity. F. W. Schubert. 1,638,367; Aug. 9.
Pump with liner plate, Rotary. P. I. Nagle. 1,638,055; Aug. 9.
Pumps and the like, Lubrication means for. O. W. Johnson. 1,638,160; Aug. 9.
Punches or other tools, Holder for. E. Henricson. 1,638,261; Aug. 9.
Purse. M. A. Myers. 1,638,594; Aug. 9.
Rack: *See*—
  Bread rack.
  Display rack.
  Seed-corn drying rack
Radial drill. J. C. Carlton. 1,638,654; Aug. 9.
Radial-drill column-clamp control. J. C. Carlton. 1,638,655; Aug. 9.
Radioreceivers, Tuning W. P. Heath. 1,638,734; Aug. 9.
Radiorecord. E. C. Smith. 1,638,277; Aug. 9.
Radioscopes or radiographs, Shield for use in the production of. M. Demarchi. 1,638,683; Aug. 9.
Raft, Log. M. J. Davis. 1,638,324; Aug. 9.
Rail tie. M. J. McAndrew. 1,638,740; Aug. 9.
Railway appliances, Automatic time-limit control means for interlocking levers of. C. Adler, jr. 1,638,793; Aug. 9.
Railway-crossing gate. I. A. Moore and T. M. Ely. 1,638,502; Aug. 9.
Railway gate, Pneumatically-operated. F. L. Beck. 1,638,315; Aug. 9.
Railway rails, Anticreeping device for. E. F. Hollinger. 1,638,095–6; Aug. 9.
Railway-track rail. A. R. Raymer. 1,638,456; Aug. 9.
Railway-traffic-controlling apparatus. F. W. Lee and L. O. Grondahl. 1,638,048; Aug. 9.
Railway-traffic-controlling apparatus. L. L. Nettleton and L. O. Grondahl. 1,638,056; Aug. 9.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,638,178; Aug. 9.
Receptacle, Dispensing. J. H. Miller. 1,638,779; Aug. 9.
Receptacle for food, Ventilated wall. C. L. Haywood. 1,638,120; Aug. 9.
Reel: *See*—
  Tape reel.
Reel or swift. H. P. Lee. 1,638,586; Aug. 9.
Refrigerator and dispenser. G. C. Bell. 1,638,181; Aug. 9.
Refrigerator, Soft-drink. L. Locker and O. M. Frazier. 1,638,402; Aug. 9.
Regenerative air and gas preheater. F. Ljungström and N. F. F. Andersson. 1,638,539; Aug. 9.
Register: *See*—
  Cash register.
Regulating valve for liquids and gases. J. A. Gabriel. 1,638,152; Aug. 9.
Regulator: *See*—
  Heat regulator.
  Water regulator.
  Window regulator.
Relay. H. C. Rochette. 1,638,098; Aug. 9.
Remote-control and pull-to handle assembly, Combination. T. P. Archer and F. M. Edgar. 1,638,231; Aug. 9.
Reproducing all the movements of the steps of quadrupeds, Mechanism for. V. Gobbato. 1,638,852; Aug. 9.
Rheostat. J. C. Snell. 1,638,598; Aug. 9.
Rim wheel, Demountable-. E. C. Mallette. 1,638,852; Aug. 9.
Ring: *See*—
  Separable ring.
Rivet. H. V. Rau. 1,638,165; Aug. 9.
Roaster: *See*—
  Rotary roaster.
Rolling mill. T. A. Schralshuhn. 1,638,463; Aug. 9.
Rolls, Heating means for. G. Fox. 1,638,626; Aug. 9.
Roof or skylight construction. A. Shuman. 1,638,666; Aug. 9.
Roofing element. T. Robinson. 1,638,746; Aug. 9.
Roofing fastening. M. Wagner. 1,638,671; Aug. 9.
Rotary roaster, Self-basting. A. Panajiotaros and M. Jones. 1,638,452; Aug. 9.
Routing machines, Adjustable support for. R. L. Carter. 1,638,086; Aug. 9.
Rubber composition. R. H. Uhlinger. 1,638,421; Aug. 9.
Rubber, Vulcanization of. W. Scott. 1,638,220; Aug. 9.
Safes, Automatic emergency lock for. E. M. Jones. 1,638,204; Aug. 9.
Sales-indicating container. J. S. Cochran. 1,638,813; Aug. 9.
Saw, Power. C. H. Jull. 1,638,122; Aug. 9.
Saw, Pruning. G. F. Santoyo. 1,638,749; Aug. 9.
Scale head. J. W. Rockefeller, jr. Des. 73,237; Aug. 9.
Scale, Platform. M. H. Hansen. 1,638,200; Aug. 9.
Scouring device. J. W. Gottschalk. 1,638,864; Aug. 9.
Scouring implement. J. D'Albora. 1,638,800; Aug. 9.
Screen: *See*—
  Wall screen.
Seed-corn drying rack. B. L. Bain. 1,638,051; Aug. 9.

Seed dropper, Sugar-beet-. A. A. Matheson. 1,638,048; Aug. 9.
Self-locking device. H. Vissering. 1,638,788; Aug. 9.
Separable ring. W. C. Niebuhr. 1,638,209; Aug. 9.
Separator: *See*—
  Carton-blank separator.
  Oil-diluent separator.
Sewer construction. V. H. Cochrane. 1,638,473; Aug. 9.
Sewing machine, Buttonhole-. E. J. Ray. 1,638,785; Aug. 9.
Sewing machines, Motor attachment for. B. Grossbard. 1,638,256; Aug. 9.
Shackle, Spring. V. Link. 1,638,587; Aug. 9.
Shaft coupling. H. F. Cares and R. Marsland. 1,638,796; Aug. 9.
Shank stiffener. R. E. Bartels. 1,638,136; Aug. 9.
Shearing and forging press. J. A. Lucas. 1,638,403; Aug. 9.
Sheet feeding and cutting machanism. R. J. Smith. 1,638,221; Aug. 9.
Sheet glass, Apparatus for making. J. H. Fox. 1,638,728; Aug. 9.
Sheets, labels, and the like, Machine for feeding. M. Feybusch and P. W. Fleischer. 1,638,151; Aug. 9.
Shift lever. A. S. Butell. 1,638,182; Aug. 9.
Ship's signaling and broadcasting device. E. A. Sperry. 1,638,417; Aug. 9.
Shipping device. R. E. Baus. 1,638,612; Aug. 9.
Shock absorber. J. P. Baldwin. 1,638,232; Aug. 9.
Shock absorber. J. P. Baldwin. 1,638,234–35; Aug. 9.
Shock absorber. J. P. Baldwin and R. A. Keese. 1,638,233; Aug. 9.
Shock absorber. G. M. Edgarton. 1,638,092; Aug. 9.
Shoe. G. F. Johnson. 1,638,329; Aug. 9.
Shoe brake. C. Waselge. 1,638,380; Aug. 9.
Shoe keepsake, Baby-. F. T. Brosi. 1,638,481; Aug. 9.
Shoe racks, Tray for. F. E. Willis. 1,638,609; Aug. 9.
Shoe shank, Metal. C. H. Brown. 1,638,520; Aug. 9.
Shoe-shank stiffener and making the same. R. E. Bartels. 1,638,137; Aug. 9.
Shoe-tip stiffener. J. F. Jonas. 1,638,263; Aug. 9.
Shoes, Polishing. F. Kingsley. 1,638,007; Aug. 9.
Shutter, Window. L. Kocher. 1,638,844; Aug. 9.
Shuttle, Self-threading. H. Poirier. 1,638,505; Aug. 9.
Sickle or scythe, Double-cutting-edge golf. C. A. Hopwood. 1,638,807; Aug. 9.
Sign, Commercial. E. M. Clark. 1,638,564; Aug. 9.
Signal: *See*—
  Automobile signal.
  Light signal.
  Traffic signal.
  Vehicle signal.
Signals, Transmitting. J. W. Horton. 1,638,580; Aug. 9.
Signaling system. F. Zogbaum. 1,638,559; Aug. 9.
Signaling system, Selective. G. W. Flynn. 1,638,330; Aug. 9.
Skylight. S. Volk. 1,638,668; Aug. 9.
Sled. W. H. Elfreth and G. B. Weiss. Des. 73,225; Aug. 9.
Slicing machine. I. G. Perrett and F. T. Lambert. 1,638,362; Aug. 9.
Slitting means. R. M. Johnstone. Re16,702; Aug. 9.
Smoker's set. R. L. Blumenthal. 1,638,889; Aug. 9.
Snowplow. F. Saxon. 1,638,708; Aug. 9.
Snow remover. E. Eberhardt. 1,638,150; Aug. 8.
Socket wrench. J. N. Fitzgerald, jr. 1,638,262; Aug. 9.
Solution, Noncorrosive. M. R. Sherbino. 1,638,710–11; Aug. 9.
Sound-recording device. H. W. Webb. 1,638,424; Aug. 9.
Sound-recording mechanism. F. Pucek. 1,638,559; Aug. 9.
Sound-reproducing apparatus. C. A. Brigham. 1,638,320; Aug. 9.
Spark arrester. T. M. Nixon. 1,638,451; Aug. 9.
Spectacle case. H. M. Dadourian. 1,638,727; Aug. 9.
Speed-accelerating mechanism. T. J. Butler. 1,638,084; Aug. 9.
Speed-responsive device. E. C. Vroman. 1,638,718; Aug. 9.
Splint, Fracture. H. Aderer. 1,638,006; Aug. 9.
Spotlight. L. O. Series. 1,638,716; Aug. 9.
Spotlight and cigar lighter, Combined. R. F. Schiele. 1,638,642; Aug. 9.
Spraying apparatus, Plant-. J. B. Boyett. 1,638,758; Aug. 9.
Spring. C. I. Ware. 1,638,516; Aug. 9.
Sprinkling system, Automatic. J. A. Brooks. 1,638,519; Aug. 9.
Square, Adjustable framing, drafting, and bevel. S. J. Hester. 1,638,200; Aug. 9.
Stapling machine. W. Foley. 1,638,117; Aug. 9.
Statuette. S. I. Berger. Des. 73,228; Aug. 9.
Steam boilers, Composition for removing scales from. W. F. Stafford. 1,638,373; Aug. 9.
Stenciling machine. E. G. Rowley. 1,638,461; Aug. 9.
Stopper: *See*—
  Bottle stopper.
Storage battery, Electric. J. L. Woodbridge. 1,638,427; Aug. 9.
Stove, Portable. T. A. Taylor and A. J. Yeager. 1,638,228; Aug. 9.
Stove-top attachment, Insulated. A. C. Jones. 1,638,770; Aug. 9.
Stoves, Pan-turning device for cooking. L. G. Randolph. 1,638,745; Aug. 9.
Strain gauge. H. L. Whittemore. 1,638,425; Aug. 9.
Strainer for, automobiles, Gasoline. T. A. Smythe. 1,638,066; Aug. 9.
Strand tightener. N. D. Connors. 1,638,432; Aug. 9.
Street and road paving and the like, Measuring device for. R. C. Stubbs. 1,638,715; Aug. 9.
Street and station indicator. T. B. Fotheringham and M. McIntyre. 1,638,661; Aug. 9.
Submarine vessels, Fluid-tight arrangement for cannon mounted in fluid-tight turrets upon. R. de Courseulles. 1,638,435; Aug. 9.
Sugar bowl or similar article. G. R. Ahrendts. Des. 73,221; Aug. 9.
Switch: *See*—
  Electric switch.
  Lighting switch.
  Liquid-flow time switch.
  Mercury switch.
Syringe head. E. Kallmeyer. 1,638,532; Aug. 9.
Table: *See*—
  Checking table.
  Ironing table.
Tampion pad. E. J. Gulick. 1,638,808; Aug. 9.
Tank: *See*—
  Feed tank.
  Glass-melting tank.
Tape measures, Case for. E. J. Witchger. 1,638,227; Aug. 9.
Tape reel. E. J. Witchger. 1,638,226; Aug. 9.
Tape-serving device. T. H. Krueger. 1,638,615; Aug. 9.
Tape-serving device with inclined guide. T. H. Krueger. 1,638,616; Aug. 9.
Taping machine, Veneer. H. G. Greenfield. 1,638,664; Aug. 9.
Target-throwing apparatus. E. F. Bahlmann. 1,638,283; Aug. 9.
Telephone exchange, Automatic. M. F. Hill. 1,638,578; Aug. 9.
Telephone-exchange system. G. A. E. Lundell. 1,638,540; Aug. 9.
Telephone system. G. R. Eaton and M. B. Stasak. 1,638,295; Aug. 9.
Telephone system, Automatic. R. F. Stehlik. 1,638,513; Aug. 9.
Telephone system, Multioffice. J. E. Gardner. 1,638,331; Aug. 9.
Telephone system, Multioffice. B. D. Willis. 1,638,382; Aug. 9.
Telephone transmitter. H. H. C. Dunwoody. 1,638,188; Aug. 9.
Temperature and pressure regulator, Combined. F. C. Reeder. 1,638,596; Aug. 9.
Test measure. G. A. Sexton. 1,638,415; Aug. 9.
Testing and recording device. C. E. Cox. 1,638,657; Aug. 9.
Textile machines, Trap motion for. S. Borovoy and W. L. Perry. 1,638,287; Aug. 9.
Therapeutic appliances. R. H. Maxson. 1,638,353; Aug. 9.
Thermometer. C. H. Schultz. 1,638,276; Aug. 9.
Thermostat. J. O. Carrey. 1,638,085; Aug. 9.
Thermostat, Electric. G. A. Robertshaw and H. T. Hood. 1,638,410; Aug. 9.
Thread-using machine. C. M. Perkins. 1,638,210; Aug. 9.
Threading machines and the like, Steadying block for. L. S. Hall. 1,638,031; Aug. 9.
Tie: *See*—
  Rail tie.
Tile, Metal Spanish. J. Tyra. 1,638,755; Aug. 9.
Tile-pipe holder. N. Knudsen. 1,638,348; Aug. 9.
Time-element control and apparatus therefor. G. E. Stach. 1,638,372; Aug. 9.
Tin minerals, Concentration of. W. O. Snelling. 1,638,279; Aug. 9.
Tire, Cushion. W. J. Small. 1,638,270; Aug. 9.
Tire flap. G. J. Rossworm and S. H. Smith. 1,638,460; Aug. 9.
Tire lock. J. Junkunc. 1,638,264; Aug. 9.
Tire mold. H. Willshaw. 1,638,023; Aug. 9.
Tire remover. C. J. Dalton. 1,638,476; Aug. 9.
Tire-stripping machine. A. H. Havir and H. V. Fletcher. 1,638,306; Aug. 9.
Tire structure and applying to wheels, Cushion. F. R. Klaus. 1,638,810; Aug. 9.
Tire-testing apparatus. J. G. Coffin. 1,638,111; Aug. 9.
Tires and the like, Producing pneumatic tubes for vehicle. W. L. Fairchild. 1,638,659; Aug. 9.
Tires, Tread grip for vehicle. C. L. Hoff. 1,638,034; Aug. 9.
Tobacco leaves, Machine for stripping and cutting. D. H. Simpson. 1,638,018; Aug. 9.
Toilet chair, Invalid's. G. B. Killen. 1,638,040; Aug. 9.
Toilet-seat covers, Paper holder for. E. J. Douglas. 1,638,347; Aug. 9.
Tongs, Pipe. S. T. Smith. 1,638,371; Aug. 9.
Tool for the use of electricians. F. P. Gottschalk. 1,638,438; Aug. 9.
Tool, Piston. G. E. Weaver. 1,638,789; Aug. 9.
Tool, Rim. J. H. Banks. 1,638,676; Aug. 9.
Tool, Trap-placing. C. C. Curtis. 1,638,184; Aug. 9.
Toothbrush. R. E. Straehly. Des. 73,245; Aug. 9.
Torch. W. H. McNutt. 1,638,498; Aug. 9.
Torpedo hook. O. Bond. 1,638,678; Aug. 9.
Tower, Extension. W. M. Baldwin. 1,638,611; Aug. 9.
Toy, Mechanical. P. P. Barie. 1,638,467; Aug. 9.
Toy piano. G. H. Eckstein. 1,638,327; Aug. 9.
Tractor brake. E. Mehline. 1,638,357; Aug. 9.
Tractor-driven winches, Frame construction for. H. A. Clark. 1,638,243; Aug. 9.
Tractor, Garden. F. V. Donald. 1,638,762; Aug. 9.
Tractor, Tracklaying. C. L. Best. 1,638,140; Aug. 9.
Traffic signal. J. E. Que. 1,638,706; Aug. 9.

Train signaling and controlling system. J. Szuchy. 1,638,754; Aug. 9.
Translating device. T. W. Case. 1,638,472; Aug. 9.
Translating device. E. C. Wente. 1,638,555; Aug. 9.
Transmission, Automatic gearless. T. Gensmer and R. Z. Farmer. 1,638,689; Aug. 9.
Transmission-control mechanism. C. Cotta. 1,638,149; Aug. 9.
Transmission or brake band. W. F. Polson. 1,638,211; Aug. 9.
Transmitting or measuring variable conditions, System for. E. Roučka. 1,638,103; Aug. 9.
Transmitting variable conditions, System for. E. Roučka. 1,638,105; Aug. 9.
Transplanting device. B. Hooks. 1,638,693; Aug. 9.
Trap: *See*—
Animal trap. Minnow trap.
Trap. R. and O. L. Mueller. 1,638,545; Aug. 9.
Truck. A. J. Bentley. 1,638,469; Aug. 9.
Truck jack. G. E. Weaver. 1,638,790–1; Aug. 9.
Trunk, Wardrobe. I. R. Allen. 1,638,135; Aug. 9.
Trunk, Wardrobe. C. C. Caldwell. 1,638,470; Aug. 9.
Trunking system, Straightforward. R. S. Bailey and E. P. Broe. 1,638,430; Aug. 9.
Truss. R. Schmidt. 1,638,218; Aug. 9.
Tube expander. J. Walker. 1,638,422; Aug. 9.
Tubes, Device for holding collapsible. C. Hopewell. 1,638,159; Aug. 9.
Tubes, Support for collapsible container. B. C. Blackmon. 1,638,613; Aug. 9.
Turbine-blade fastening. H. R. Trotter and H. F. Schmidt. 1,638,648; Aug. 9.
Turbine bleeding. R. Marsland. 1,638,639; Aug. 9.
Typewriter, Mechanically-driven type-rod. T. Stiebel. 1,638,602; Aug. 9.
Typewriter ribbons, Inking roller for. A. H. Kennedy. 1,638,340; Aug. 9.
Typewriting machine. E. A. Baskerville. 1,638,138; Aug. 9.
Typographical machine. C. E. Ireland. 1,638,036; Aug. 9.
Umbrella cover, rib, and stick connection. F. Fabbrin. 1,638,764; Aug. 9.
Union suit. H. F. Monheimer. 1,638,592; Aug. 9.
Unit heater for air spaces. A. A. Blomfeldt. 1,638,083; Aug. 9.
Universal joint. G. B. Kinsler. 1,638,400; Aug. 9.
Unloader, Cargo. S. Cooper. 1,638,474; Aug. 9.
Utensil for cooking annular food products. H. M. Wilcox. 1,638,673; Aug. 9.
Vacuum-cleaner attachment. F. A. Voos. 1,638,554; Aug. 9.
Vacuum-creating device. F. V. Winters. 1,638,384; Aug. 9.
Vacuum-creating device. F. V. Winters. 1,638,465; Aug. 9.
Vacuum-creating instrument. F. V. Winters. 1,638,383; Aug. 9.
Valve. L. Kirschbraun and R. T. Pollock. 1,638,162; Aug. 9.
Valve. H. B. Williams. 1,638,077; Aug. 9.
Valve and the like and manufacture. T. E. Murray. 1,638,546; Aug. 9.
Valve, Automatic cut-off and drainage. G. A. Moore. 1,638,052; Aug. 9.
Valve body. H. D. Rahling. Des. 73,236; Aug. 9.
Valve, Closet. F. C. Diedrich. 1,638,436; Aug. 9.
Valve, Electrically-actuated. R. E. Davis. 1,638,325; Aug. 9.
Valve mechanism, Flushing-. P. Haas. 1,638,395; Aug. 9.
Valve-operating means, Flush-. C. J. Kirk. 1,638,161; Aug. 9.
Valve, Reducing. A. J. and I. F. Fausek. 1,638,010; Aug. 9.
Vanadium from petroleum hydrocarbons, Recovering. A. Oberle. 1,638,037; Aug. 9.
Vanity case or similar article, Cover for. P. J. Callowhill. Des. 73,224; Aug. 9.
Vegetable and fruit crusher. G. R. Catoldo. 1,638,618; Aug. 9.
Vehicle having brakes. L. Blackmore. 1,638,316; Aug. 9.
Vehicle, Motor. M. W. McConkey and F. E. Jones. 1,638,354; Aug. 9.
Vehicle shipping jack or bracket. I. L. Friedlaender. Re16,698; Aug. 9.
Vehicle signal. A. Ekman. 1,638,296; Aug. 9.
Vehicle wheel. O. de Araujo. 1,638,621; Aug. 9.
Vehicle wheel. E. Donaghy. 1,638,622; Aug. 9.
Vehicle wheel. J. McGinniess. 1,638,741; Aug. 9.
Vehicle wheel, Resilient. P. A. Dunkel. 1,638,801; Aug. 9.
Vehicles, Combined bumper and brush attachment for. T. O'Brien. 1,638,641; Aug. 9.
Vehicles, Cowl ventilator for motor. L. K. Snell. 1,638,599; Aug. 9.
Vehicles, Differential drive for. M. H. Wolff. 1,638,228; Aug. 9.
Vehicles, Hydraulic shock absorber for motor. W. P. Mason. 1,638,777; Aug. 9.
Vehicles, Steering device for motor. C. Schaeffer. 1,638,750; Aug. 9.
Velocipede. I. Nettles. 1,638,781; Aug. 9.
Vending bottled beverages, Machine for. R. B. Wingate. 1,638,792; Aug. 9.
Vending device, Liquid-. F. I. du Pont. 1,638,189; Aug. 9.
Vending machine, Coin-operated. E. Schultz. 1,638,413; Aug. 9.
Ventilator. A. Miller. 1,638,698; Aug. 9.
Vinyl esters, Manufacturing. F. W. Skirrow and O. W. Hernberg. 1,638,713; Aug. 9.
Vision glasses, Antifrost. W. C. Nash. 1,638,505; Aug. 9.
Wagon and the like, Tipping. J. E. F. Cambessédes. 1,638,009; Aug. 9.
Wall construction, Concrete. W. E. Keller. 1,638,583; Aug. 9.
Washer: *See*—
Clothes washer.
Washer. J. B. Fisher. 1,638,251; Aug. 9.
Washing machine. N. B. Strawn. 1,638,714; Aug. 9.
Waste-pipe cleaner, Flexible. F. E. Groevold. 1,638,766; Aug. 9.
Watchcase. M. Spiro. 1,638,600; Aug. 9.
Watches or clocks, Dial for. J. J. Guillarmod. Des. 73,227; Aug. 9.
Water heater. J. Ellis. 1,638,624; Aug. 9.
Water regulator. J. Müller. 1,638,053; Aug. 9.
Water system for making ice, Raw-. J. A. Martocello. 1,638,776; Aug. 9.
Water treatment. G. H. Gibson and J. D. Yoder. 1,638,808; Aug. 9.
Wave filter receiving circuits. P. Welch and A. Murphy. 1,638,608; Aug. 9.
Waxer, Floor. J. H. Millholland. 1,638,500; Aug. 9.
Web rolls, Wrinkle remover for. E. G. Beveridge. 1,638,560; Aug. 9.
Weighing apparatus, Continuous. A. F. Cooke. 1,638,244; Aug. 9.
Weight indicator. A. A. Caille. 1,638,524; Aug. 9.
Welding, Electric-arc. H. P. Hilmes. 1,638,336; Aug. 9.
Welding machine, Arc-. H. R. Woodrow. 1,638,024; Aug. 9.
Welding or soldering device, Electric. R. E. Gearhart. 1,638,301; Aug. 9.
Well drill, Rotary. E. S. Hutton. 1,638,337; Aug. 9.
Well drill, Soft-formation. H. W. Fletcher. 1,638,253; Aug. 9.
Well screen. H. E. Hanson. 1,638,731; Aug. 9.
Wheel: *See*—
Pulley wheel. Vehicle wheel.
Rim wheel.
Wheel. F. C. Schoenthal. 1,638,646; Aug. 9.
Wheel gauge. O. H. Barnes. 1,638,723; Aug. 9.
Wheel guard, Grinding-. E. Ritz. 1,638,450; Aug. 9.
Wheel-truing device. A. M. Drake. 1,638,623; Aug. 9.
Wheels, Tread attachment for. C. B. Moore. 1,638,449; Aug. 9.
Winding machine. A. Van Veen. 1,638,074; Aug. 9.
Window guard. B. A. Bowles. 1,638,724; Aug. 9.
Window-light frame. W. J. Bossemeyer. 1,638,284; Aug. 9.
Window regulator. E. E. Heintz. 1,638,197; Aug. 9.
Window-sash fastener. W. J. Collins. 1,638,088; Aug. 9.
Window sashes, Locking mechanism for. W. W. Myers. 1,638,547; Aug. 9.
Window-shade bracket. D. M. Parkinson. 1,638,742; Aug. 9.
Window-shade bracket. V. C. Rufty. 1,638,707; Aug. 9.
Wood preservation. A. M. Howald. 1,638,440; Aug. 9.
Wood separator and preparing same. W. H. Grimditch. 1,638,765; Aug. 9.
Wooden panels from mill clippings and the like, Rapid production of. J. L. Hersog. 1,638,262; Aug. 9.
Woodworking machine. L. E. Blood. 1,638,652; Aug. 9.
Wrench: *See*—
Socket wrench.
Wrench and can opener, Cover. A. Craig. 1,638,185; Aug. 9.
Wringer. P. E. Barker. 1,638,312–3; Aug. 9.
Wringer-frame construction. F. L. Chamberlain. 1,638,241; Aug. 9.
Wringers, Supporting device for. F. L. Chamberlain. 1,638,242; Aug. 9.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 9, 1927.

NOTE.—First number—class, second number—subclass, third number—patent number.

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41: 1,638,305
292— 138: 1,638,198
194: 1,638,088
237: 1,638,249
293— 54: 1,638,615
55: 1,638,501
1,638,641
294— 19: 1,638,184
83: 1,638,673
86: 1,638,090
96: 1,638,494
295— 2: 1,638,663
296— 44: 1,638,231
1,638,610
93: 1,638,506
139: 1,638,334
145: 1,638,264
298— 22: 1,638,009
299— 42: 1,638,758
58: 1,638,042
95: 1,638,497
133: 1,638,082
301— 9: 1,638,946
15: 1,638,741
27: 1,638,352
40: 1,638,449
303— 20: 1,638,690
54: 1,638,405
70: 1,638,457
305— 3: 1,638,329
306— 25: 1,638,390
308— 88: 1,638,124
1,638,640
169: 1,638,394
187: 1,638,521
189: 1,638,747
201: 1,638,637
1,638,888
235: 1,638,271

Aug. 16, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Blue Print Paper Co., Chicago, Ill. Tracing paper and tracing cloth. 231,413; Aug. 16; Serial No. 247,157; published May 31, 1927. Class 37.

Acme Brick Company, Fort Worth, Tex. Brick. 231,458–9; Aug. 16. Class 12.

Aeschbach, F., S. A., Aarau, Switzerland. Machines for bakeries and confectioneries. 231,276; Aug. 16; Serial No. 246,878; published June 7, 1927. Class 23.

Aktiengesellschaft Hommel's Haematogen, Zurich, Switzerland. Nerve tonic. 231,343; Aug. 16; Serial No. 241,553; published June 7, 1927. Class 6.

Altenburg Roller Mills. (See Dixie-Portland Flour Co.)

Aluminum Company of America, Pittsburgh, Pa. Ingots of aluminum and aluminum-base alloys. 231,389; Aug. 16; Serial No. 246,584; published May 31, 1927. Class 14.

Aluminum Industries, Inc., Cincinnati, Ohio. Aluminum. 231,412; Aug. 16; Serial No. 246,947; published May 31, 1927. Class 14.

American Beauty Perfumers, New York, N. Y. Face powders, creams, and packs, rouges, perfumes, etc. 231,169; Aug. 16; Serial No. 247,837; published June 7, 1927. Class 6.

American Chicle Company, Long Island City, N. Y. Chewing gum. 231,160; Aug. 16; Serial No. 247,659; published May 31, 1927. Class 46.

American Crayon Company, The, Sandusky, Ohio. Writing ink. 231,271; Aug. 16; Serial No. 246,805; published June 7, 1927. Class 11.

American Cream Tartar Co., San Francisco, Calif. Cream tartar, tartaric acid, etc. 231,447; Aug. 16. Class 6.

American Enameled Brick & Tile Company, New York, N. Y. Brick and tile. 231,407; Aug. 16; Serial No. 246,524; published May 31, 1927. Class 12.

American Saw Mill Machinery Company, Hackettstown, N. J. Woodworking machines. 231,213; Aug. 16; Serial No. 247,304; published May 31, 1927. Class 23.

American Smelting and Refining Company, New York, N. Y., and San Francisco, Calif. Lead. 231,208; Aug. 16; Serial No. 247,159; published June 7, 1927. Class 14.

Anssarcin Chemical Company, The, Winchester, Tenn. Preparation for the treatment of gall bladder and hepatic disorders. 231,174; Aug. 16; Serial No. 247,924; published June 7, 1927. Class 6.

Androscoggin Mills, Lewiston, Me. Textile sheets and pillowcases. 231,272; Aug. 16; Serial No. 246,807; published May 31, 1927. Class 42.

Ansonia O & C Company, The, Ansonia, Conn. Wide elastic webbing. 231,165; Aug. 16; Serial No. 247,769; published May 31, 1927. Class 42.

Apgar, Augustus N., Miami, Fla. Itch medicine. 231,370; Aug. 16; Serial No. 246,526; published June 7, 1927. Class 6.

Aron, J., & Company, Inc., New York, N. Y. Green coffee. 231,240; Aug. 16; Serial No. 248,215; published June 7, 1927. Class 46.

Atkinson, J. & E., Limited, London, England. Perfume. 231,392; Aug. 16; Serial No. 246,657; published June 7, 1927. Class 6.

Atlantic Aircraft Corporation, Teterboro, Hasbrouck Heights, N. J. Aircraft. 231,453; Aug. 16. Class 19.

Atlantic Gypsum Products Company, Boston, Mass. Neat cement plaster. 231,430; Aug. 16; Serial No. 244,206; published June 7, 1927. Class 12.

Atlantic Gypsum Products Company, Boston, Mass. Neat cement plaster. 231,431; Aug. 16; Serial No. 244,207; published May 17, 1927. Class 12.

Auerbach, Joseph S., doing business as D. Auerbach & Sons, New York, N. Y. Candies. 231,186; Aug. 16; Serial No. 245,824; published June 7, 1927. Class 46.

Auerbach, Joseph S., doing business as D. Auerbach & Sons, New York, N. Y. Candy. 231,261; Aug. 16; Serial No. 244,736; published May 31, 1927. Class 46.

Augusta Lime Company, Staunton, Va. Lime. 231,137; Aug. 16; Serial No. 246,263; published May 24, 1927. Class 12.

Bailey, William J., doing business as The Morlife Company, Cleveland, Ohio. Storage-battery solution. 231,282; Aug. 16; Serial No. 246,998; published June 7, 1927. Class 6.

Baker-Moise Company, Dallas, Tex. Hosiery. 231,253; Aug. 16; Serial No. 243,128; published May 17, 1927. Class 39.

Bay State Fishing Company, Boston, Mass. Haddock and toasted fillets, salt codfish, fish flakes, etc. 231,162; Aug. 16; Serial No. 247,725; published June 7, 1927. Class 46.

Bayer Company, Inc., The, New York, N. Y. Antirheumatic, analgesic, and antipyretic medicines. 231,302–3; Aug. 16; Serial Nos. 235,875–6; published May 31, 1927. Class 6.

Bealor, John T., doing business as Cambridge Pliable Brick Company, Cambridge, Ohio. Plastic refractory material. 231,189; Aug. 16; Serial No. 245,884; published May 24, 1927. Class 12.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 231,138; Aug. 16; Serial No. 246,102; published May 17, 1927. Class 39.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 231,142; Aug. 16; Serial No. 246,382; published May 24, 1927. Class 39.

Beaver Products Company, Inc., The, Buffalo, N. Y. Wall board. 231,349; Aug. 16; Serial No. 194,329; published June 7, 1927. Class 12.

Beck-Koller & Company. (See Reichhold, Helmuth.)

Beebe Bros., Seattle, Wash. Hand hoists. 231,163; Aug. 16; Serial No. 247,726; published May 31, 1927. Class 23.

Berkshire Knitting Mills, Wyomissing and Reading, Pa. Ladies' full-fashioned hosiery. 231,132; Aug. 16; Serial No. 246,147; published May 17, 1927. Class 39.

Birmingham Stove & Range Co., Birmingham, Ala. Stoves and furnaces. 231,440; Aug. 16. Class 34.

Biroto, Perfumer, New York, N. Y. Cosmetics and toilet preparations. 231,254; Aug. 16; Serial No. 243,248; published June 7, 1927. Class 6.

Bissinger Candy Company, The, Cincinnati, Ohio. Candy. 231,359; Aug. 16; Serial No. 227,435; published June 7, 1927. Class 46.

Blackmer, Louis E., Binghamton, N. Y. White-clay face pack, a hairdressing, and a shampoo. 231,437; Aug. 16; Serial No. 245,422; published May 31, 1927. Class 6.

Bloch, Alfred, doing business as Kahn Frères, Brussels, Belgium. Sensitized photographic papers. 231,152; Aug. 16; Serial No. 245,136; published May 31, 1927. Class 26.

Borkman Radio Corporation, Salt Lake City, Utah. Loudspeaker cabinets. 231,153; Aug. 16; Serial No. 245,138; published May 31, 1927. Class 32.

Bowser, S. F., & Company, Inc., Fort Wayne, Ind. Oil and gasoline meters. 231,273; Aug. 16; Ser. No. 246,812; published June 7, 1927. Class 26.

Bremner Bros., Chicago, Ill. Biscuits. 231,235; Aug. 16. Serial No. 248,149; published June 7, 1927. Class 46.

Cambridge Pliable Brick Company. (See Bealor, John T.)

Cambridge Rubber Company, Cambridge, Mass. Boots, shoes, and overshoes made of rubber. 231,198; Aug. 16; Serial No. 247,065; published May 24, 1927. Class 39.

Capillo Manufacturing Co., The, Baltimore, Md. Hair tonic. 231,191; Aug. 16; Serial No. 246,014; published May 31, 1927. Class 6.

Capsalis Brothers, New York, N. Y. Olive oil. 231,268; Aug. 16; Serial No. 246,330; published May 31, 1927. Class 46.

Carson Pirie Scott & Co., Chicago, Ill. Underwear. 231,342; Aug. 16; Serial No. 241,089; published May 3, 1927. Class 39.

Casin, J., & Co., Inc., New York, N. Y. Hosiery. 231,246; Aug. 16; Serial No. 242,412; published Apr. 19, 1927. Class 39.

Celite Company, The, Los Angeles, Calif. Diatomaceous earth in natural, dried, or calcined condition, etc. 231,293; Aug. 16; Serial No. 231,366; published June 7, 1927. Class 12.

Century Machine Company, The, Cincinnati, and Oakley, Cincinnati, Ohio. Bakers' mixing machines. 231,204; Aug. 16; Serial No. 247,122; published June 7, 1927. Class 23.

Century Machine Company, The, Cincinnati and Oakley, Cincinnati, Ohio. Bakers' mixing and tempering machines. 231,205; Aug. 16; Serial No. 247,123; published June 7, 1927. Class 23.

Chatterton & Son, Lansing, Mich. Dried beans. 231,260; Aug. 16; Serial No. 244,667; published May 31, 1927. Class 46.

Chicago Pneumatic Tool Company, New York, N. Y. Steam and vapor condensers and air and gas coolers. 231,326; Aug. 16; Serial No. 237,945; published June 7, 1927. Class 23.

City Mills Company, Columbus, Ga. Cow feed. 231,288; Aug. 16; Serial No. 242,093; published June 7, 1927. Class 46.

Claire Knitting Mills, Inc., New York, N. Y. Knitted sweaters, coats, dresses, etc. 231,421; Aug. 16; Serial No. 243,999; published May 17, 1927. Class 39.

Classified Telephone Directories Corporation, New York, N. Y. Classified telephone directories. 231,304; Aug. 16; Serial No. 236,157; published Nov. 30, 1926; Class 38.

Cleveland, Harry S., doing business as Thorokold Refrigerator Co., Minneapolis, Minn. Refrigerators, refrigerator counters, and butcher coolers. 231,206; Aug. 16; Serial No. 247,124; published June 7, 1927. Class 31.

Clinton Cartridge Company. (See Sears, Roebuck and Co.)

Columbia Products Co., The, Cleveland, Ohio. Agricultural lime. 231,448; Aug. 16. Class 10.

Columbus Manufacturing Company, Columbus, Ga. Cotton sheetings. 231,443; Aug. 16. Class 42.

Commander Mill Company, assignor to Commander Milling Company, Minneapolis, Minn. Wheat flour. 231,298; Aug. 16; Serial No. 233,812; published May 31, 1927. Class 46.

Commercial Lighting Corporation, The, Beaver Falls, Pa. Glass electric-light globes. 231,371; Aug. 16; Serial No. 246,529; published May 31, 1927. Class 33.

Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Signal devices. 231,252; Aug. 16; Serial No. 243,083; published June 7, 1927. Class 23.

Company of Master Craftsmen, Inc., Flushing, N. Y. Furniture. 231,336; Aug. 16; Serial No. 239,920; published June 7, 1927. Class 32.

Concentrate Products Company, The, Chicago, Ill. Poultry medicine for internal use. 231,143; Aug. 16; Serial No. 246,391; published May 31, 1927. Class 6.

Concentrate Products Co., The, Chicago, Ill. Poultry vermifuge. 231,144; Aug. 16; Serial No. 246,392; published May 31, 1927. Class 6.

Consolidated Fuel Company, The, Pittsburgh, Pa. Coal. 231,145; Aug. 16; Serial No. 246,393; published June 7, 1927. Class 1.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 231,423; Aug. 16; Serial No. 244,046; published May 24, 1927. Class 12.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing materials. 231,424; Aug. 16; Serial No. 244,048; published May 24, 1927. Class 12.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 231,425; Aug. 16; Serial No. 244,050; published May 24, 1927. Class 12.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing material. 231,426; Aug. 16; Serial No. 244,051; published May 24, 1927. Class 12.

Cools, A., Opelousas, La. Cough sirup and pectoral tea. 231,418; Aug. 16; Serial No. 243,418; published May 31, 1927. Class 6.

Coppes Brothers & Zook, Nappanee, Ind. Kitchen cabinets. 231,452; Aug. 16. Class 32.

Cork Import Corporation, New York, N. Y. Cork pipe, cork board, and cork tile. 231,356–8; Aug. 16; Serial Nos. 227,397–9; published May 24, 1927. Class 12.

Corlis-Seabrook Paint Company, Memphis, Tenn. Paints and paint enamels. 231,460; Aug. 16. Class 16.

Crystal Carbonic Laboratory, Atlanta, Ga. Saline eliminants. 231,256; Aug. 16; Serial No. 245,895; published May 24, 1927. Class 6.

Cudahy Packing Co., The, Chicago, Ill. Soap powder combined with mineral ingredients. 231,295; Aug. 16; Serial No. 246,741; published June 7, 1927. Class 4.

Cupp Grocery Company, Johnstown, Pa. Canned vegetables. 231,236; Aug. 16; Serial No. 248,160; published June 7, 1927. Class 46.

Curtis Candy Company, The, Chicago, Ill. Candy and candy bars. 231,339; Aug. 16; Serial No. 240,538; published May 31, 1927. Class 46.

Daily Trade Record Co. of New York, New York, N. Y. Daily newspaper. 231,428; Aug. 16; Serial No. 244,140; published May 24, 1927. Class 38.

Davis, H. B., Company, The, Baltimore, Md. Paints. 231,441; Aug. 16. Class 16.

Davis, H. B., Company, The, Baltimore, Md. Paints, stains, varnishes, japans, and filler. 231,446; Aug. 16. Class 16.

Daytime Frock Co., Inc., The, Glens Falls, N. Y. Dresses. 231,442; Aug. 16. Class 39.

Del-Bay Farms, Inc., Bridgeton, N. J. Peaches and cucumbers. 231,289; Aug. 16; Serial No. 230,220; published June 7, 1927. Class 46.

Deutsch, Louis, doing business as Eagle Knitting Mill of New York, New York, N. Y. Sanitary napkins. 231,166; Aug. 16; Serial No. 247,785; published May 31, 1927. Class 44.

Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Koln a/Rhein. (See Mülhens, Paul P.)

Dishwashette Corporation, New York, N. Y. Dishwashing apparatus. 231,179; Aug. 16; Serial No. 245,621; published June 7, 1927. Class 23.

Dixie-Portland Flour Co., doing business as Altenburg Roller Mills, Memphis, Tenn. Wheat flour. 231,274; Aug. 16; Serial No. 246,822; published May 31, 1927. Class 46.

Donellan, O., & Co., Inc., New York, N. Y. Textile rugs and carpets. 231,330–1; Aug. 16; Serial Nos. 238,573–4; published May 31, 1927. Class 42.

Duetschler, Albert, New York, N. Y. Ground wheat. 231,416; Aug. 16; Serial No. 247,606; published May 31, 1927. Class 46.

Dunn, W. E., Manufacturing Co., Holland, Mich. Glazing material. 231,317; Aug. 16; Serial No. 244,397; published June 7, 1927. Class 12.

Dunn, W. E., Manufacturing Co., Holland, Mich. Roofing tile and flooring tile. 231,318; Aug. 16; Serial No. 244,398; published May 24, 1927. Class 12.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Fungicide, seed disinfectant. 231,393; Aug. 16; Serial No. 246,673; published June 7, 1927. Class 6.

Du Pont Viscoloid Company, New York, N. Y. Hand mirrors and picture frames. 231,264; Aug. 16; Serial No. 244,818; published May 31, 1927. Class 32.

Du Pont Viscoloid Company, New York, N. Y. Toilet articles. 231,265; Aug. 16; Serial No. 244,819; published June 7, 1927. Class 2.

Du Pre, Raymond R., Waterloo, Iowa. Perfumes. 231,171–2; Aug. 16; Serial Nos. 247,892–3; published June 7, 1927. Class 6.

Duradex Company, The, New York, N. Y. Card indexes, guide cards, etc. 231,214; Aug. 16; Serial No. 247,364; published May 31, 1927. Class 37.

Dynamic Chemical & Mineral Company, Chicago, Ill. Shampoo. 231,215; Aug. 16; Serial No. 247,417; published June 7, 1927. Class 6.

Eagle Knitting Mill of New York. (See Deutsch, Louis.)

Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic papers. 231,146; Aug. 16; Serial No. 246,397; published May 31, 1927. Class 26.

Epstein Frank & Lochner Inc., Buffalo, N. Y. Suits and overcoats. 231,192; Aug. 16; Serial No. 246,020; published May 17, 1927. Class 39.

Erhard & Söhne A. G., Schwabisch Gmund, Germany. Religious articles. 231,294; Aug. 16; Serial No. 231,797; published June 7, 1927. Class 50.

Eureka Packing Co., New York, N. Y. Flexible metallic packing. 231,362; Aug. 16; Serial No. 228,897; published June 7, 1927. Class 35.

Evans, E. S., & Co. Inc., Detroit, Mich. Waterproofed lumber. 231,397; Aug. 16; Serial No. 245,481; published June 7, 1927. Class 12.

Eye-Rine Remedy Co. (See Garretson, William E.)

Fargason, J. T., Grocer Co., Memphis, Tenn. Canned fruits and fruit preserves, canned sea food, etc. 231,451; Aug. 16. Class 46.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 231,372–4; Aug. 16; Serial Nos. 246,538–40; published May 24, 1927. Class 39.

Federal Glass Company, The, Columbus, Ohio. Glass footed goblets. 231,375–6; Aug. 16; Serial Nos. 246,541–2; published May 31, 1927. Class 33.

Filing Equipment Bureau Incorporated, Boston, Mass. Index cards, guides, folders, and sheets. 231,415; Aug. 16; Serial No. 247,423; published May 31, 1927. Class 37.

Finley, Julia V., New York, N. Y. Score pads. 231,414; Aug. 16; Serial No. 247,268; published May 31, 1927. Class 37.

Fligel, Ben., doing business as Ben Fligel Company, New York, N. Y. Raincoats. 231,398; Aug. 16; Serial No. 245,900; published May 24, 1927. Class 39.

Foster, Caney, doing business as Foster Chemical Company, Weldon, N. C. Kid-shoe cleaner. 231,199; Aug. 16; Serial No. 247,071; published June 7, 1927. Class 4.

Fowler, D. Roy F., doing business as Fowler Batting & Fibre Mills, Philadelphia, Pa. Textile upholstery padding. 231,290; Aug. 16; Serial No. 230,664; published May 31, 1927. Class 42.

Frank, A. B., Company, San Antonio, Tex. Work shirts. 231,316; Aug. 16; Serial No. 244,354; published May 24, 1927. Class 39.

Franklin Mills, Greers, S. C. Sheetings and drillings. 231,237; Aug. 16; Serial No. 248,170; published May 31, 1927. Class 42.

Freed-Eisemann Radio Corporation, New York, N. Y. Washing machines. 231,283; Aug. 16; Serial No. 247,009; published May 31, 1927. Class 24.

Frerichs, Wilbur E. A., doing business as WEAF Hosiery Company, New York, N. Y. Hosiery. 231,267; Aug. 16; Serial No. 244,099; published May 17, 1927. Class 39.

Friderichsen Floor & Wall Tile Co., Independence, Mo. Ceramic tiles, surfacings, nosings, railings, and wall facings. 231,377; Aug. 16; Serial No. 245,432; published May 24, 1927. Class 12.

Furmanite Corporation, The, Newport News, Va. Plastic leak-sealing compound. 231,409; Aug. 16; Serial No. 246,826; published June 7, 1927. Class 12.

Galhouse, Leonard B., Chicago, Ill. False teeth, dentures, and restorations. 231,244; Aug. 16; Serial No. 242,287; published June 7, 1927. Class 44.

Gardner Manufacturing Co., Los Angeles, Calif. Metal polish, auto top dressing, enamel cleaner, and auto cleaner. 231,344; Aug. 16; Serial No. 241,819; published May 31, 1927. Class 4.

Garfunkel, A., & Co., Inc., New York, N. Y. Socks, shoes, slippers, underwear, etc. 231,320; Aug. 16; Serial No. 244,553; published May 24, 1927. Class 39.

Garretson, William E., doing business as Eye-Rine Remedy Co., Portland, Oreg. Eye lotion. 231,419; Aug. 16; Serial No. 243,599; published May 31, 1927. Class 6.

Gates Rubber Company, The, Denver, Colo. Rubber inner tubes and tires. 231,219; Aug. 16; Serial No. 247,535; published May 31, 1927. Class 35.

Geiger Candy Company, Indianapolis, Ind. Candy. 231,216; Aug. 16; Serial No. 247,426; published June 7, 1927. Class 46.

Gladding, McBean and Co., Los Angeles, Calif. Brick and tile. 231,464; Aug. 16. Class 12.

Goldman, Julian, Stores, Inc., The, New York, N. Y. Suits, overcoats, coats, trousers, vests, skirts, and dresses. 231,193; Aug. 16; Serial No. 246,030; published May 24, 1927. Class 39.

Goodfellow Lumber Company, St. Louis, Mo. Plaster board, wall board, and roofing. 231,408; Aug. 16; Serial No. 246,746; published May 31, 1927. Class 12.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber belting. 231,230; Aug. 16; Serial No. 248,038; published June 7, 1927. Class 35.

Gordon Canning Corporation, Hoquiam, Wash. Canned fruits, berries, and vegetables. 231,238–9; Aug. 16; Serial Nos. 248,174–5; published June 7, 1927. Class 46.

Gotham Children's Underwear Co., New York, N. Y. Underwear. 231,134; Aug. 16; Serial No. 246,204; published May 24, 1927. Class 39.

Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 231,223; Aug. 16; Serial No. 247,844; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 231,224; Aug. 16; Serial No. 247,846; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 231,225; Aug. 16; Serial No. 247,847; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 231,226; Aug. 16; Serial No. 247,848; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 231,227; Aug. 16; Serial No. 247,850; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Horse feed and mule feed. 231,228; Aug. 16; Serial No. 247,853; published May 31, 1927. Class 46.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire-brick cement. 231,135; Aug. 16; Serial No. 246,206; published May 24, 1927. Class 12.

Gump, B. F., Co., Chicago, Ill. Vibratory apparatus. 231,367; Aug. 16; Serial No. 229,908; published June 7, 1927. Class 23.

Hall, George L., doing business as Swimsafe Bathing Suit Co., Anderson, S. C. Bathing suits. 231,432; Aug. 16; Serial No. 244,301; published May 17, 1927. Class 39.

Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, shirts, and underwear. 231,180; Aug. 16; Serial No. 245,636; published May 17, 1927. Class 39.

Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, underwear, and shirts. 231,381–2; Aug. 16; Serial Nos. 245,552–3; published May 17, 1927. Class 39.

Hamblin & Russell Manufacturing Company, Inc., Worcester, Mass. Woven-iron-wire kitchen strainers and fry baskets. 231,308; Aug. 16; Serial No. 236,371; published May 31, 1927. Class 13.

Harrison Chemical Co., Front Royal, Va. Salve. 231,209; Aug. 16; Serial No. 247,186; published May 31, 1927. Class 6.

Hauptman, M., Inc., New York, N. Y. Overcoats, topcoats, trousers, vests, and jackets. 231,277; Aug. 16; Serial No. 246,901; published May 24, 1927. Class 39.

Hawaiian Packing Company Ltd. (See Karmen, Bernard H., assignor.)

Hemoliver Products Co. (See Hill, Ira L.)

Heyl, Cornelius, Aktiengeeellschaft, Worms-on-the-Rhine, Germany. Lacquered leather. 231,411; Aug. 16; Serial No. 246,889; published June 7, 1927. Class 1.

Hill, Ira L., doing business as Hemoliver Products Co., New York, N. Y. Tonic. 231,161; Aug. 16; Serial No. 247,692; published May 31, 1927. Class 6.

Hoe, R., & Co., Inc., New York, N. Y. Trimming machines for trimming and finishing electrotype and stereotype printing plates. 231,364; Aug. 16; Serial No. 229,512; published June 7, 1927. Class 23.

Hudson Broom Works, Brooklyn, N. Y. Brooms. 231,462; Aug. 16. Class 29.

Hurley Shoe Company, Rockland, Mass. Leather shoes. 231,157; Aug. 16; Serial No. 245,272; published May 24, 1927. Class 39.

Indian Splint Inc., Rochester, N. Y. Upholstered chairs. 231,170; Aug. 16; Serial No. 247,859; published May 31, 1927. Class 32.

Ivy Corset Company, Worcester, Mass. Corsets and brassières, bandeaux, and combinations thereof. 231,155; Aug. 16; Serial No. 245,214; published May 24, 1927. Class 39.

Jelleff, Frank R., Inc., Washington, D. C. Hosiery. 231,251; Aug. 16; Serial No. 242,996; published May 24, 1927. Class 39.

Johnson, Charles J., Seattle, Wash. Waterproof dressing for shoes. 231,396; Aug. 16; Serial No. 246,753; published June 7, 1927. Class 16.

Johnson's, Iver, Arms & Cycle Works, Fitchburg, Mass. Revolvers and shotguns. 231,365; Aug. 16; Serial No. 229,633; published May 31, 1927. Class 9.

Jordan Marsh Company, Boston, Mass. Ironing-board covers. 231,218; Aug. 16; Serial No. 247,481; published May 31, 1927. Class 24.

Kahn Frères. (See Bloch, Alfred.)

Karmen, Bernard H., doing business as Hawaiian Coffee Planters, Honolulu, assignor to Hawaiian Packing Company Ltd., Hilo, Hawaii. Coffee. 231,250; Aug. 16; Serial No. 242,940; published June 7, 1927. Class 46.

Karmen, Bernard H., Honolulu, assignor to Hawaiian Packing Company, Ltd., Hilo, Hawaii. Preserved fruits. 231,333; Aug. 16; Serial No. 239,179; published June 7, 1927. Class 46.

Keewaugan Products Co. Inc., North Chicago, Ill. Liquid cleaning compound. 231,285; Aug. 16; Serial No. 247,024; published June 7, 1927. Class 4.

Kemp, Edward P., doing business as Radio Nut Company, Somerville, Mass. Salted peanuts. 231,217; Aug. 16; Serial No. 247,439; published May 31, 1927. Class 46.

Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paints. 231,164; Aug. 16; Serial No. 245,792; published May 31, 1927. Class 16.

Kessiah, William H., doing business as Royal Clothing Mfg. Co., Canton, N. C. Overalls, pants, and work shirts. 231,147; Aug. 16; Serial No. 246,416; published May 17, 1927. Class 39.

Kienzle Uhrenfabriken A.-G., Schwenningen-on-the-Neckar, Germany. Fare indicators. 231,200; Aug. 16; Serial No. 247,087; published June 7, 1927. Class 26.

Kingan & Co. Incorporated, Indianapolis, Ind. Smoked and cured meats. 231,291; Aug. 16; Serial No. 230,673; published May 31, 1927. Class 46.

Knowles Mushroom Ventilator Co., New York, N. Y. Gallery riser vents for auditoriums. 231,340; Aug. 16; Serial No. 240,916; published May 31, 1927. Class 34.

Kopa Corporation, The, Fort Worth, Tex. Product made from grains and fruits. 231,312; Aug. 16; Serial No. 245,400; published May 24, 1927. Class 46.

Kopa Corporation, The, Fort Worth, Tex. Cereal food drink. 231,436; Aug. 16; Serial 245,401; published May 24, 1927. Class 46.

Kraft Milk Products Co., Chicago, Ill. Compressed malted-milk tablets. 231,196; Aug. 16; Serial No. 246,097; published May 31, 1927. Class 46.

Krupp, Haymon, & Co., El Paso, Tex. Sweaters, sweater coats, sport coats, and lumberjackets. 231,383; Aug. 16; Serial No. 245,564; published May 24, 1927. Class 39.

Larvex Corporation, The, New York, N. Y. Pump for fluids. 231,177; Aug. 16; Serial No. 248,005; published June 7, 1927. Class 23.

Latour, Alexander, doing business as A. Latour, Chicago, Ill. Compound for the treatment of pulmonary diseases. 231,287; Aug. 16; Serial No. 230,177; published June 7, 1927. Class 6.

Lecroy, John, & Son, Camden, N. J. Medicated chewing gum. 231,178; Aug. 16; Serial No. 248,006; published June 7, 1927. Class 6.

Lee Rubber & Tire Corporation, Conshohocken, Pa. Inner tubes for vehicle tires. 231,296; Aug. 16; Serial No. 232,498; published Dec. 21, 1926. Class 35.

Les Parfums de Rosine, Inc., New York, N. Y. Toilet articles. 231,259; Aug. 16; Serial No. 244,616; published June 7, 1927. Class 6.

Leslie-California Salt Co., San Francisco, Calif. Salt. 231,345; Aug. 16; Serial No. 242,012; published May 31, 1927. Class 6.

Lewis Asphalt Engineering Corporation, New York, N. Y. Asphalt. 231,310; Aug. 16; Serial No. 245,856; published May 24, 1927. Class 12.

Lichtig, Edwin, New York, N. Y. Cotton and silk and cotton mixtures in the piece. 231,328; Aug. 16; Serial No. 238,381; published May 31, 1927. Class 42.

Lifshits, Barnet, New York, N. Y. Men's clothing. 231,156; Aug. 16; Serial No. 245,215; published May 17, 1927. Class 39.

Lincoln Steel & Forge Company, St. Louis, Mo. Portable lubricating apparatus. 231,354; Aug. 16; Serial No. 226,905; published June 7, 1927. Class 23.

Lion Dry Goods Company, The, Toledo, Ohio. Men's suits and overcoats. 231,194; Aug. 16; Serial No. 246,034; published May 17, 1927. Class 39.

Little Brown Jug, Inc., The, Reading, Pa. Insecticide. 231,197; Aug. 16; Serial No. 246,099; published June 7, 1927. Class 6.

London, C. M. & H., & Co., New York, N. Y. Cotton piece goods. 231,238; Aug. 16; Serial No. 240,358; published May 31, 1927. Class 42.

Loth, W. J., Stove Company, Inc., The, Waynesboro, Va. Stoves and ranges. 231,332; Aug. 16; Serial No. 238,795; published May 31, 1927. Class 34.

Lubin's Pionier Medicine Company. (See Rabin, Ralph.)

Lucas, John, and Company, Incorporated, Philadelphia, Pa. Paint, floor wax, varnishes, etc. 231,319; Aug. 16; Serial No. 244,448; published May 31, 1927. Class 16.

Lucky Stripe Tailoring Co., New York, N. Y. Coats, vests, trousers, etc. 231,321; Aug. 16; Serial No. 244,562; published May 3, 1927. Class 39.

Lupus, Julio M., New York, N. Y. Perfumery, toilet lotions, face powder, etc. 231,201; Aug. 16; Serial No. 241,232; published May 31, 1927. Class 6.

Made-Rite Products Co., St. Louis, Mo. Portland-cement-base flooring material. 231,355; Aug. 16; Serial No. 217,793; published Mar. 2, 1926. Class 12.

Madelon Modes, Inc. (See Ogus, Rabinovich and Ogus, Inc., assignor.)

Magna-Ray Co., The, Los Angeles, Calif. Electromagnetic health belt. 231,167; Aug. 16; Serial No. 247,800; published May 31, 1927. Class 44.

Martory, Alfred, Paris, France. Perfumes. 231,232; Aug. 16; Serial No. 248,108; published June 7, 1927. Class 6.

Martory, Alfred, Paris, France. Perfumes. 231,233; Aug. 16; Serial No. 248,111; published June 7, 1927. Class 6.

Martory, Alfred, Paris, France. Perfumes. 231,234; Aug. 16; Serial No. 248,113; published June 7, 1927. Class 6.

Masterpiece Hosiery Mills, New York, N. Y. Hosiery, underwear, negligees, sweaters, etc. 231,422; Aug. 16; Serial No. 244,020; published May 24, 1927. Class 39.

McAlpine, Stanley C., doing business at R-Tite Tire Valve Cap Co., Detroit, Mich. Tire-valve caps. 231,394; Aug. 16; Serial No. 246,697; published May 31, 1927. Class 13.

McKesson & Robbins, Incorporated, Bridgeport, Conn. Automobile and furniture polish. 231,275; Aug. 16; Serial No. 246,841; published June 7, 1927. Class 16.

McLoughlin Manufacturing Company, Indianapolis, Ind. Textile fabric underwear for men and children. 231,248; Aug. 16; Serial No. 242,789; published May 17, 1927. Class 39.

Metro-Goldwyn Pictures Corporation, New York, N. Y. Motion-picture films. 231,203; Aug. 16; Serial No. 246,106; published May 31, 1927. Class 26.

Metropolitan Body Company, The, Bridgeport, Conn. Cabs for automotive vehicles. 231,366; Aug. 16; Serial No. 229,747; published June 7, 1927. Class 19.

Miami Valley Cooperative Milk Producers Association, The, Dayton, Ohio. Butter. 231,450; Aug. 16; Serial No. 246,172; published May 31, 1927. Class 46.

Michael, Michael G., doing business as Michael School of Acrobatics, New York, N. Y. Girdles. 231,386; Aug. 16; Serial No. 246,560; published May 24, 1927. Class 39.

Middishade Company, Inc., The, Philadelphia, Pa. Coats, vests, trousers, and suits. 231,278; Aug. 16; Serial No. 246,919; published May 24, 1927. Class 39.

Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits. 231,279; Aug. 16; Serial No. 246,920; published May 24, 1927. Class 39.

Miller Rubber Company, The, Akron, Ohio. Boots, shoes, and overshoes. 231,266; Aug. 16; Serial No. 244,836; published May 24, 1927. Class 39.

Miller's, Jacob, Sons, Co., Philadelphia, Pa. Cotton goods, silk goods, etc. 231,445; Aug. 16. Class 42.

Mitycold Corporation, Jacksonville, Fla. Electric refrigerating machines. 231,463; Aug. 16. Class 31.

Moncrieff, John, Limited, Perth, Scotland. Gauge glass. 231,284; Aug. 16; Serial No. 247,022; published June 7, 1927. Class 26.

Morlife Company, The. (See Bailey, William J.)

Mueller Co., Decatur, Ill. Valves and faucets. 231,257; Aug. 16; Serial No. 244,567; published June 7, 1927. Class 13.

Mueller Co., Decatur, Ill. Valves and cocks. 231,322; Aug. 16; Serial No. 244,566; published June 7, 1927. Class 13.

Mülhens, Paul P., doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Koln a/Rhein, Cologne-on-the-Rhine, Germany. Eau de Cologne water, perfumery, hair tonics, etc. 231,347; Aug. 16; Serial No. 242,051; published June 7, 1927. Class 6.

National Pipe Bending Company, The, New Haven, Conn. Oil separators. 231,313; Aug. 16; Serial No. 229,925; published June 7, 1927. Class 23.

National Smelting & Refining Corp., New York, N. Y. Precious-metal alloys. 231,427; Aug. 16; Serial No. 244,089; published May 31, 1927. Class 14.

Netzorg, Isaac, doing business as Pren Polish Manufacturer, Detroit, Mich. Piano, furniture, and automobile polish. 231,158; Aug. 16; Serial No. 246,111; published May 31, 1927. Class 16.

Niles, William H., Kingston, N. Y. Mineral-oil dressing for use in salads and the like. 231,438; Aug. 16. Class 46.

Non-Smut Carbon Mfg. Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 231,149; Aug. 16; Serial No. 246,494; published May 31, 1927. Class 11.

Northrop & Lyman Co., Inc., Buffalo, N. Y. Antiseptic throat pellets. 231,286; Aug. 16; Serial No. 247,035; published June 7, 1927. Class 6.

Norwegian Leather Water-Proofing Company, St. Paul, Minn. Waterproofing composition for leather. 231,341; Aug. 16; Serial No. 240,993; published May 31, 1927. Class 4.

Nu-Way Corporation, The, Rock Island, Ill. Liquid-fuel burners. 231,327; Aug. 16; Serial No. 238,132; published June 7, 1927. Class 34.

O'Bannon, Walter, Co., Tulsa, Okla. Oil-field equipment. 231,138; Aug. 16; Serial No. 246,357; published May 31, 1927. Class 23.

Ocala Fruit Packing Company, Inc., Ocala, Fla. Fresh citrous fruits. 231,269; Aug. 16; Serial No. 246,768; published June 7, 1927. Class 46.

Oden, Eugene R., doing business as Waterproof Paint Company, Lankershim, Calif. Crack-sealing wax. 231,323; Aug. 16; Serial No. 237,278; published June 7, 1927. Class 12.

Ogus, Rabinovich and Ogus, Inc., assignor to Madelon Modes, Inc., New York, N. Y. Hats. 231,351; Aug. 16; Serial No. 201,675; published May 24, 1927. Class 39.

O'Keefe's Beverages Limited, Canton, Conn. Dry ginger ale. 231,450; Aug. 16. Class 45.

Oxnard Soda & Distilled Water Co., Oxnard, Calif. Beverages. 231,467; Aug. 16. Class 45.

Palmer, Mark E., Potosi, Mo. Dental preparation. 231,195; Aug. 16; Serial No. 246,046; published June 7, 1927. Class 6.

Parsons, Polly, Inc., Pelham, N. Y. Upholstered household chairs and household tables, sofas, etc. 231,334; Aug. 16; Serial No. 239,719; published June 7, 1927. Class 32.

Pax Manufacturing Company, New York, N. Y. Household insecticide. 231,241; Aug. 16; Serial No. 248,248; published June 7, 1927. Class 6.

Peerless Heater Company, Pittsburgh, Pa. Gas-fired boilers. 231,454; Aug. 16. Class 34.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Rubber soles for shoes and rubber heels for shoes. 231,281; Aug. 16; Serial No. 246,980; published May 24, 1927. Class 39.

Petroleum Heat and Power Company, New York, N. Y. Petroleum-oil burners. 231,207; Aug. 16; Serial No. 241,142; published May 31, 1927. Class 34.

Pfau, Max, Hosiery Mill Inc., Reading, Pa. Knit hosiery. 231,270; Aug. 16; Serial No. 246,769; published May 24, 1927. Class 39.

Picker, M. B., New York, N. Y. Antiseptic. 231,335; Aug. 16; Serial No. 239,823; published May 31, 1927. Class 6.

Pittsburgh Coal Company, Pittsburgh, Pa. Coal except smithing coal. 231,245; Aug. 16; Serial No. 242,308; published May 17, 1927. Class 1.

Pittsburgh, Coal Company, Pittsburgh, Pa. Coal excepting smithing coal. 231,404–6; Aug. 16; Serial Nos. 246,430–4; published May 31, 1927. Class 1.

Plastic Products Company, Detroit, Mich. Puttles. 231,249; Aug. 16; Serial No. 242,905; published May 24, 1927. Class 14.

Pren Polish Manufacturer. (See Netzorg, Isaac.)

Pressman & Aaronson, New York, N. Y. Rompers. 231,379; Aug. 16; Serial No. 245,517; published May 24, 1927. Class 39.

Qick Chemical Co. (See Shaw, Cora H.)

R-Tite Tire Valve Cap Co. (See McAlpine, Stanley C.)

Radio Nut Company. (See Kemp, Edward F.)

Reese, Carl, Hillsboro, Tex. Seed corn. 231,466; Aug. 16. Class 1.

Reichhold, Helmuth, doing business as Beck-Koller & Company, Detroit, Mich. Dry, paste, and ready-mixed paints, varnishes, and lacquers. 231,360; Aug. 16; Serial No. 227,475; published May 31, 1927. Class 16.

Republic Brass and Manufacturing Company, Los Angeles, Calif. Sink faucets, swing spouts, and adjustable flanges. 231,297; Aug. 16; Serial No. 233,329; published June 7, 1927. Class 13.

Richmond Hosiery Mills, Rossville, Ga. Hosiery. 231,455; Aug. 16. Class 39.

Ridgeway, Abraham G., Los Angeles, Calif. Coffee substitute. 231,148; Aug. 16; Serial No. 246,437; published June 7, 1927. Class 46.

Ripley Fish Co., Inc., Seattle, Wash. Fresh, canned, dried, smoked, salted, and frozen fish. 231,262; Aug. 16; Serial No. 244,788; published May 31, 1927. Class 46.

Roberti Bros., Los Angeles, Calif. Davenports, bed davenports, chairs, and rocking-chairs. 231,387; Aug. 16; Serial No. 246,570; published June 7, 1927. Class 32.

Robertson, H. H., Company, Pittsburgh, Pa. Metal sheets. 231,363; Aug. 16; Serial No. 228,937; published May 24, 1927. Class 12.

Rogers Bros., Durham, N. C. Tablets for the treatment of colds, headache, and la grippe. 231,202; Aug. 16; Serial No. 247,101; published May 31, 1927. Class 6.

Roper, Geo. D., Corporation, Rockford, Ill. Gas-burning water heaters, air and gas mixers, etc. 231,350; Aug. 16; Serial No. 225,803; published May 31, 1927. Class 34.

Rosenberg, Sam. & Co., Los Angeles, Calif. Women's apparel—namely, lingerie, vests, step-ins, bloomers, teddies, etc. 231,305; Aug. 6; Serial No. 236,339; published May 17, 1927. Class 39.

Royal Clothing Mfg. Co. (See Kessiah, William H.)

Rubin, Ralph, doing business as Lubin's Pionier Medicine Company, Chicago, Ill. Liniment. 231,292; Aug. 16; Serial No. 230,846; published June 7, 1927. Class 6.

Sacco, Felice, Philadelphia, Pa. Tooth preservative. 231,429; Aug. 16; Serial No. 244,185; published June 7, 1927. Class 6.

Saranac Glove Co., Littleton, N. H. Leather gloves and mittens. 231,378; Aug. 16; Serial No. 245,455; published May 24, 1927. Class 39.

Scadron, Joseph, assignor to U. S. Bifocal Corporation, New York, N. Y. Ophthalmic lenses and frames and mountings therefor. 231,325; Aug. 16; Serial No. 237,822; published June 7, 1927. Class 26.

Schaff, George M., Cleveland, Ohio. Blank books and blank forms, etc. 231,353; Aug. 16; Serial No. 211,379; published May 31, 1927. Class 37.

Scherago, Morris, doing business as Southern Agricultural Supply Company, Lexington, Ky. Culture of bacteria used for inoculating seeds of leguminous plants. 231,210; Aug. 16; Serial No. 247,216; published May 31, 1927. Class 10.

Schering & Glatz, Inc., New York, N. Y. Pharmaceutical preparation. 231,173; Aug. 16; Serial No. 247 911; published June 7, 1927. Class 6.

Schiff, Henry, San Francisco, Calif. Upholstered furniture. 231,150; Aug. 16; Serial No. 246,509; published June 7, 1927. Class 32.

Schwabacher Bros. & Co. Inc., Seattle, Wash. Canned vegetables, canned berries, canned fruit, etc. 231,295; Aug. 16; Serial No. 232,433; published May 31, 1927. Class 46.

Sears, Roebuck and Co., doing business as Clinton Cartridge Company, Chicago, Ill. Shotgun shells. 231,465; Aug. 16. Class 9.

Seelbach, K. C., Company, New York, N. Y. Razors. 231,185; Aug. 16; Serial No. 245,810; published May 31, 1927. Class 28.

Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cups. 231,346; Aug. 16; Serial No. 242,025; published May 31, 1927. Class 37.

Shaw, Cora H., doing business as Qick Chemical Co., Los Angeles, Calif. Skin-bleaching cream. 231,307; Aug. 16; Serial No. 236,965; published June 7, 1927. Class 6.

Sheboygan Dairy Products Company, Sheboygan, Wis. Butter and ice cream. 231,439; Aug. 16. Class 46.

Simon-Rosenberg Shirt Corp., New York, N. Y. Shirts, collars, blouses, knit underwear, and pyjamas. 231,255; Aug. 16; Serial No. 243,393; published May 24, 1927. Class 39.

Simplex Shock Absorber Company, Sharon, Pa. Shock absorbers. 231,212; Aug. 16; Serial No. 247,292; published June 7, 1927. Class 19.

Slawatycki, Apollonia, Buffalo, N. Y. Herb pills. 231,187; Aug. 16; Serial No. 245,867; published May 31, 1927. Class 6.

Society Maid Hosiery Company, Inc., New York, N. Y. Women's hosiery. 231,390; Aug. 16; Serial No. 246,641; published May 24, 1927. Class 39.

Sonneborn, Henry, Company, Inc., Baltimore, Md. Suits and overcoats. 231,361; Aug. 16; Serial No. 227,793; published May 17, 1927. Class 39.

Sonneborn, Henry, Company, Inc., Baltimore, Md. Suits and overcoats. 231,456; Aug. 16. Class 39.

South Dakota Crop Improvement Corporation, The, Brookings, S. Dak. Farm seeds. 231,352; Aug. 16; Serial No. 225,525; published May 17, 1927. Class 1.

Southern Agricultural Supply Company. (See Scherago, Morris.)

Sparta Ceramic Company, The, East Sparta, Ohio. Tiles. 231,314–6; Aug. 16; Serial Nos. 244,331–2; published May 17, 1927. Class 12.

Sparta Ceramic Company, The, East Sparta, Ohio. Tiles. 231,433–5; Aug. 16; Serial Nos. 244,328–30; published May 17, 1927. Class 12.

Standard Insulation Company, Rutherford, N. J. Automobile top dressing. 231,280; Aug. 16; Serial No. 246,937; published June 7, 1927. Class 4.

Stein, Doblin & Co., New York, N. Y. Cotton piece goods. 231,168; Aug. 16; Serial No. 247,831; published May 31, 1927. Class 42.

Sterling Tire Corporation, Rutherford, N. J. Automobile tire casings. 231,420; Aug. 16; Serial No. 243,981; published May 31, 1927. Class 35.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 231,380; Aug. 16; Serial No. 245,522; published May 24, 1927. Class 39.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 231,139–40; Aug. 16; Serial Nos. 246,867–8; published June 7, 1927. Class 19.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 231,368; Aug. 16; Serial No. 246,511; published June 7, 1927. Class 19.

Sunland Laboratories Inc., Los Angeles, Calif. Deodorant for the feet, bath salts, etc. 231,384; Aug. 16; Serial No. 243,397; published June 7, 1927. Class 6.

Sun-Maid Raisin Growers of California, Fresno, Calif. Dried fruits. 231,337; Aug. 16; Serial No. 240,102; published May 31, 1927. Class 46.

Swimsafe Bathing Suit Co. (See Hall, George L.)

Tarrant Company, The, New York, N. Y. Medicinal preparation. 231,188; Aug. 16; Serial No. 245,870; published June 7, 1927. Class 6.

Teddy Tints, Inc., Camden, N. J. Dyes. 231,309; Aug. 16; Serial No. 245,306; published June 7, 1927. Class 6.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 231,399; Aug. 16; Serial No. 246,134; published May 31, 1927. Class 46.

Thomas Mfg. Company, Wilkes-Barre, Pa. Clamp handles or holders, etc. 231,391; Aug. 16; Serial No. 246,647; published May 31, 1927. Class 23.

Thorokold Refrigerator Co. (See Cleveland, Harry S.)

Tor-Tis Company Incorporated, Detroit, Mich. Liquid shoe cleaner and polish. 231,311; Aug. 16; Serial No. 245,382; published June 7, 1927. Class 4.

Traver, F. C., Paper Company, The, Chicago, Ill. Ice-cream-cone servers. 231,369; Aug. 16; Serial No. 246,514; published May 31, 1927. Class 2.

Triphosal Company, The, Philadelphia, Pa. Powder used for an acid condition of the intestines. 231,229; Aug. 16; Serial No. 248,024; published June 7, 1927. Class 6.

U. S. Bifocal Corporation. (See Scadron, Joseph, assignor.)

Uchin & Bell, Philadelphia, Pa. Dresses. 231,151; Aug. 16; Serial No. 245,037; published May 17, 1927. Class 39.

United Mfg. Co., Inc., Portland, Oreg. Mattresses. 231,220; Aug. 16; Serial No. 247,648; published May 31, 1927. Class 32.

United States Products Corporation, San Jose, Calif. Canned fruits. 231,324; Aug. 16; Serial No. 237,481; published May 31, 1927. Class 46.

United States Quarry Tile Co., East Sparta, Ohio. Quarry tile. 231,136; Aug. 16; Serial No. 246,245; published May 24, 1927. Class 12.

United States Quarry Tile Co., East Sparta, Ohio. Quarry tile. 231,401–3; Aug. 16; Serial Nos. 246,246–8; published June 7, 1927. Class 12.

Utica Duxbak Corporation, Utica, N. Y. Hunting coats. 231,388; Aug. 16; Serial No. 246,577; published May 24, 1927. Class 39.

Valentine Fruit Co., Anaheim, Calif. Fresh citrous fruits. 231,263; Aug. 16; Serial No. 244,804; published June 7, 1927. Class 46.

Valley City Grocery Company, Valley City, N. Dak. Coffee. 231,449; Aug. 16. Class 46.

Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned and smoked fish. 231,159; Aug. 16; Serial No. 247,650; published May 31, 1927. Class 46.

Van Camp Sea Food Co. Inc., Terminal Island, Calif. Canned and smoked fish. 231,221; Aug. 16; Serial No. 247,649; published June 7, 1927. Class 46.

Vitaphone Corporation, The, New York, N. Y. Synchronized apparatus for simultaneously reproducing light and sound effects, etc. 231,348; Aug. 16; Serial No. 235,441; published June 21, 1927. Class 26.

Von Dancz-Fisher, Inc., New York, N. Y. Prophylactic and germicide preparations. 231,242–3; Aug. 16; Serial Nos. 242,259–60; published June 7, 1927. Class 6.

Walnut Creek Milling Co., The, Great Bend, Kans. Wheat flour. 231,211; Aug. 16; Serial No. 247,230; published May 24, 1927. Class 46.

Warrior Cement Corporation, Spocari, Ala., and Chattanooga, Tenn. Portland cement. 231,258; Aug. 16; Serial No. 244,583; published May 24, 1927. Class 12.

Waterman, L. E., Company, New York, N. Y. Fountain pens and pencils. 231,417; Aug. 16; Serial No. 247,651; published May 31, 1927. Class 37.

Waterproof Paint Company. (See Oden, Eugene R.)

Wayside Gardens Co., The, Mentor, Ohio. Hardy plants, lilies, imported and native garden bulbs, shrubs, etc. 231,410; Aug. 16; Serial No. 246,866; published June 7, 1927. Class 1.

WEAF Hosiery Company. (See Frerichs, Wilbur E. A.)

Webb, Thomas J. Co., Chicago, Ill. Coffee and tea. 231,301; Aug. 16; Serial No. 235,240; published June 7, 1927. Class 46.

Wel-Ever Piston Ring Co., The, Toledo, Ohio. Piston rings. 231,154; Aug. 16; Serial No. 245,174; published June 7, 1927. Class 35.

Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 231,175; Aug. 16; Serial No. 247,982; published May 31, 1927. Class 46.

Wenatchee Packing Corporation, Wenatchee and Seattle, Wash. Canned fruits. 231,176; Aug. 16; Serial No. 247,984; published May 31, 1927. Class 46.

Wenner and Shadwell, Butte, Mont. Medicine for piles. 231,164; Aug. 16; Serial No. 247,766; published May 31, 1927. Class 6.

Western Coal & Coke Co., Milwaukee, Wis. Coal. 231,461; Aug. 16. Class 1.

What Cheer Clay Products Company, What Cheer, Iowa. Underdrain tile, draintile, flue lining, sewer pipe, and wall coping. 231,329; Aug. 16; Serial No. 238,471; published May 24, 1927. Class 12.

White, Jack, Comedy Corporation, New York, N. Y. Motion pictures. 231,457; Aug. 16. Class 26.

White, James F., & Co. Inc., New York, N. Y. Tailors' all-linen canvas in the piece. 231,247; Aug. 16; Serial No. 242,699; published May 31, 1927. Class 42.

White, Jeffery, Studio, Inc., Detroit, Mich. Printing plates and photo films. 231,306; Aug. 16; Serial No. 236,895; published June 7, 1927. Class 26.

White Sulphur Springs, Inc., White Sulphur Springs, W. Va. Ginger ale. 231,444; Aug. 16. Class 45.

Whiteford Corporation, Athens, Ga. Hosiery and dress shirts. 231,141; Aug. 16; Serial No. 246,374; published May 17, 1927. Class 39.

Whitfield, Joseph C., Palisades Park, N. J. Natural gas. 231,231; Aug. 16; Serial No. 248,071; published June 7, 1927. Class 6.

Whitman Barnes-Detroit Corporation, Detroit, Mich. Twist drills, reamers, reducers, etc. 231,181–3; Aug. 16; Serial Nos. 245,675–7; published May 31, 1927. Class 23.

Wicke, A. C., Manufacturing Company, New York, N. Y. Refrigerators. 231,190; Aug. 16; Serial No. 245,945; published May 31, 1927. Class 31.

Willey-Ellis Company, Philadelphia, Pa. Clothes extractors, collar shapers, etc. 231,300; Aug. 16; Serial No. 234,887; published June 7, 1927. Class 24.

Wilson Brothers, Chicago, Ill. Hosiery. 231,131; Aug. 16; Serial No. 246,142; published May 17, 1927. Class 39.

Wortendyke Mfg. Co., Richmond, Va. Gummed paper tape and gummed cloth tape. 231,222; Aug. 16; Serial No. 247,724; published May 31, 1927. Class 37.

Wyandotte Automatic Fountain Company, The, Kansas City, Kans. Soda fountains. 231,385; Aug. 16; Serial No. 243,517; published May 31, 1927. Class 23.

Zaring, C. W., doing business as C. W. Zaring & Co., Jacksonville, Fla. Canned goods—namely, canned milk. 231,290; Aug. 16; Serial No. 234,328; published Nov. 23, 1926. Class 46.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Alberta Candy Co. Inc., San Francisco, Calif. Pleazall. For Candy. 32,573; Aug. 16.
Alexander, Earl M., New Paris, Ohio. Four Leaf Brand. For Clover Honey. 32,574; Aug. 16.
Amend, Fred W., Co., Chicago, Ill.. Chuckles. For Candy. 32,575; Aug. 16.
Bishop and Company, Los Angeles, Calif. A Chest Full of Ginger Snaps. For Ginger Snaps. 32,576; Aug. 16.
Brach, E. J., & Sons, doing business as Harriet Clark Candies, Chicago, Ill. Harriet Clark's Made-At-Home Chocolates. For Candy. 32,577; Aug. 16.
California Grape Products Co., Ukiah, Calif., and New York, N. Y. Sputa Fuoco. For Grapes. 32,578; Aug. 16.
Canadian Club Corporation, Boston, Mass. Canadian Club. For Ginger Ale. 32,579; Aug. 16.
Clawson & Wilson Company, Buffalo, N. Y. Jane Fair. For Infant Wear, Knitted Sweaters Made of Wool. 32,580; Aug. 16.
Crown Overall Mfg. Co., The, Cincinnati, Ohio. Tuf-Tex. For Shirts. 32,581; Aug. 16.
Dajan Chemical Company, Boston, Mass. Ceralene. For Floor Polish. 32,582; Aug. 16.
Economy Paint Mills, Geneva, Nebr. Economy Paint. For Paint. 32,583; Aug. 16.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Topaz Hosiery. For Hosiery. 32,584; Aug. 16.
Greenebaum Bros. & Company, Philadelphia, Pa. Collegiate. For Pyjamas. 32,585; Aug. 16.
Greenebaum Bros. & Company, Philadelphia, Pa. Collegiate. For Shirts. 32,586; Aug. 16.
Greenebaum Bros. & Company, Philadelphia, Pa. Puritan. For Boys' Blouses. 32,587; Aug. 16.
Harriet Clark Candies. (See Brach, E. J., & Sons.)
Hillyard Chemical Company, St. Joseph, Mo. Pine-O-Cide. For Disinfectant. 32,588; Aug. 16.
Insto Company, The, Los Angeles, Calif. Soap-Meal. For Powdered Soap. 32,589; Aug. 16.
Kasser, Samuel, Philadelphia, Pa. Kasko. For Malt Sirup. 32,590; Aug. 16.
Midway Chemical Company, Chicago, Ill. Radiant. For Silver and Metal Polish. 32,591; Aug. 16.
Miller Brothers Co., The, Newark, N. J. Collie. For Paper Products. 32,592; Aug. 16.
Miller Brothers Co., The, Newark, N. J. The Miller Brothers Co. For Paper Products. 32,593; Aug. 16.
Miller Brothers Co., The, Newark, N. J. Collie Brand. For Paper Products. 32,594; Aug. 16.
Pacific Wholesale, Inc., Los Angeles, Calif. Dx-Tested. For Radiotubes. 32,595; Aug. 16.
Schoneberger & Noble, Inc., New York, N. Y. Dr. Brown's Wild Cherry Carbonated Beverage. For Carbonated Beverages. 32,596; Aug. 16.
Schoneberger & Noble, Inc., New York, N. Y. Dr. Brown's Pale Dry Ginger Ale. For Ginger Ale. 32,597; Aug. 16.
Schoneberger & Noble, Inc., New York, N. Y. Dr. Brown's Celery a Pure Carbonated Beverage. For Celery Compound. 32,598; Aug. 16.
Schoneberger & Noble, Inc., New York, N. Y. Dr. Brown's Mineral Water. For Mineral Water. 32,599; Aug. 16.
Tucker, S. Allen, Philadelphia, Pa. Vig. For a Beverage Sirup. 32,600; Aug. 16.
Vitamin Food Co. Inc., New York, N. Y. Vegex Vims Yeast Vitamin Candy. For Candy. 32,601; Aug. 16.
Western Cartridge Company, East Alton, Ill. Western Cartridges. For Cartridges. 32,602; Aug. 16.
Western Cartridge Company, East Alton, Ill. Western Rim Fire Cartridges. For Cartridges. 32,603; Aug. 16.
Western Utilities Company, Los Angeles, Calif. Spring-Float Penetrating Oil. For Penetrating Oil. 32,604; Aug. 16.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Hoague-Sprague Corporation, Lynn, Mass. They See the Box First. For Boxes. 10,113; Aug. 16.
Illers, Charles C., Westerleigh, N. Y. Easy to Handle, Chandler Motor Cars. For Chandler Automobiles. 10,114; Aug. 16.
Jahraus-Braun Co., Buffalo, N. Y. Have More Silk Dresses. For Silk Dresses. 10,115; Aug. 16.
Michigan Salt Works, Marine City, Mich. The Salt Without a Fault. For Table, Dairy, and Common Salt. 10,116; Aug. 16.
Pioneer Suspender Company, Philadelphia, Pa. Your Legs Will Thank You! Your Waist Will Thank You! Your Shoulders Will Thank You! For Garters, Belts, and Suspenders. 10,117; Aug. 16.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aza-Jell Co., The. (See Jobbers Candy Co. Inc.)
Air-Scale Company, The, Toledo and Delta, Ohio. Metallic valves together with fittings and connections therefor. 250,152; Aug. 16. Class 13.
Allen-Qualley Company, St. Paul, Minn. Candies. 250,427; Aug. 16. Class 46.
Alpha Laboratories. (See Pupella, Salvatore.)
Amberg, Louis, & Sons, New York, N. Y. Dolls. 247,056; Aug. 16. Class 22.
Amendola Brothers, Inc., New Haven, Conn. Hair tonics and dandruff remedies. 250,287; Aug. 16. Class 6.
American Beauty Rose Ice Cream Cone Co. (See Shridan, Joseph W.)
American Narrow Fabric Company, Worcester, Mass. Sanitary belts. 232,062; Aug. 16. Class 44.
American Products Company. (See Markopoulos, George G.)
American Remedies Company, The. (See Fort, Clarence E.)
Anheuser-Busch, Inc., St. Louis, Mo. Yeast. 249,319; Aug. 16. Class 46.
Arden Chemical Company, New York, N. Y. Hair tonic. 236,584; Aug. 16. Class 6.
Arena, Frank, doing business as Wilkinsburg Beverage Co., Wilkinsburg, Pa. Beverages sold as soft drinks. 245,315; Aug. 16. Class 45.
Armand Company, The, Des Moines, Iowa. Lotion and cream. 238,541; Aug. 16. Class 6.
Associated Merchandising Corporation, New York, N. Y. Absorbent cotton and combination syringes. 251,316; Aug. 16. Class 44.
Atlantic Lard Company, Chicago, Ill. Hydrostearoleine. 249,884; Aug. 16. Class 46.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods and dress fabrics. 230,211; Aug. 16. Class 42.
Atlas Asbestos Company, North Wales, Pa. Brake lining and transmission lining for Ford cars. 244,507; Aug. 16. Class 35.
Auto Con-Den-So-Meter Corporation, Chicago, Ill. Combined condenser and temperature indicator for automobile radiator. 242,650; Aug. 16. Class 26.
Bassick Manufacturing Company, The, Chicago, Ill. Covers for the top of automotive vehicles. 245,689; Aug. 16. Class 19.
Bates Street Shirt Company, Lewiston, Me. Tobacco and cigars, cigarettes, and smoking tobacco. 249,038; Aug. 16. Class 17.
Berger's, San Francisco, Calif. Overcoats and topcoats. 251,317; Aug. 16. Class 39.
Best & Co., Inc., New York, N. Y. Silk carriage straps, textile knitted warmers for bottles, etc. 242,466; Aug. 16. Class 42.
Beth Tantum. (See Powell, Bessie S.)
Biegler, Edward N., Chicago, Ill. Plastic mastic flooring. 250,292; Aug. 16. Class 12.
Bilo Co., The. (See Green, Charles W.)
Bing Werke (formerly Gebrüder Bing A. G.), Nuremberg, Germany. Toy phonographs and talking machines. 242,877; Aug. 16. Class 22.
Biola Mfg. Co. (See Wysard, Herman P., assignor.)
Bliss Steel Products Corporation, East Syracuse, N. Y. Windows, sashes, and window frames. 240,480; Aug. 16. Class 12.
Bolton, W. H., Bristle Company, Wilmington, Del. Bristles. 250,432; Aug. 16. Class 1.
Boradis Company, The, Ephrata, Wash. Liniment. 250,969; Aug. 16. Class 6.
Bourjois, Inc., New York, N. Y. Toilet preparations. 250,366. Aug. 16. Class 6.
Bowman, Harvey, North Philadelphia, Pa. Leather preservative. 251,219; Aug. 16. Class 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bradford Dyers' Association, Limited, The, Bradford, England. Woolen piece goods. 251,712; Aug. 16. Class 42.
Bradley, Smith Company, The, New Haven, Conn. Candy. 249,700; Aug. 16. Class 46.
Brown, Fred A., et al. (See Kezar, Hiram L., assignor.)
Bulova Watch Company, Inc., New York, N. Y. Watches and watchcases. 250,675; Aug. 16. Class 27.
Burger Bros. Company, The, Cincinnati, Ohio. Malt extracts and sirup. 250,159; Aug. 16. Class 48.
Cameron, Wm., & Co. Inc., Waco, Tex. Ready-cut, machined, and partly-assembled materials intended for use in the final construction and completion of household and kitchen furniture, fixtures, etc. 249,835; Aug. 16. Class 12.
Carborundum Company, The, Niagara Falls, N. Y. Furnace linings, fire bricks, and blocks. 245,424; Aug. 16. Class 12.
Cashogas Coupon Corporation, St. Louis, Mo. Trading stamps or coupons. 251,172; Aug. 16. Class 38.
Chambers Seed Company, Louisville, Ky. Field seed. 247,167; Aug. 16. Class 1.
Chapman Orchards, Fullerton, Lindsay, and Mirador, Calif. Oranges, lemons, grapefruit, pomegranates, and grapes. 240,170; Aug. 16. Class 46.
Chappel Bros., Inc., Rockford, Ill. Shampoo and exterminator of fleas, etc. 249,639; Aug. 16. Class 6.
Chippewa Indian Medicine Co. (See Coon, Eli A.)
Citti, Silvio, doing business as Citti Brothers, Chicago, Ill. Olive oil. 251,050; Aug. 16. Class 46.
Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts. 251,173; Aug. 16. Class 39.
Colman, J. & J., Limited, Norwich and London, England. Mustard. 247,890; Aug. 16. Class 46.
Columbia Sugar Company, Bay City, Mich. Sugar. 236,005; Aug. 16. Class 46.
Columbus Manufacturing Company, Columbus, Ohio. Cotton sheetings. 233,108; Aug. 16. Class 42.
Construction Supplies Company of America, New York, N. Y. Coal and gas water heaters, hot water and steam coal and gas furnaces, etc. 239,238; Aug. 16. Class 34.
Continental Motors Corporation, Detroit and Muskegon, Mich. Internal-combustion engines for general power application, complete industrial power units for general power application, etc. 250,789; Aug. 16. Class 23.
Coon, Eli A., doing business as Chippewa Indian Medicine Co., Bay City, Mich. Medicine. 250,230; Aug. 16. Class 6.
Copps Company, The, Stevens Point, Wis. Canned fruits and vegetables, powdered sugar, coffee, tea, etc. 249,464; Aug. 16. Class 46.
Corning Distilling Co., Peoria, Ill. Gin. 241,327; Aug. 16. Class 49.
Crevey, William, doing business as Red Monk Medicinal Wine Co., Los Angeles, Calif. Wine bitters tonic. 250,838; Aug. 16. Class 6.
Crowley, William J., doing business as W. J. Crowley Co., Milwaukee, Wis. Carbon paper and typewriter ribbons. 240,703; Aug. 16. Class 11.
Cullen, Francis J., doing business as Cullen Salve Company, Jersey City, N. J. Medicinal preparation in the form of a salve. 250,444; Aug. 16. Class 6.
Curran, William G., Astoria, N. Y. Clamps, catches, or holders for swinging or sliding closures. 237,266; Aug. 16. Class 13.
Dean-Osking Company, Hatton, N. Dak. Potatoes. 250,300; Aug. 16. Class 46.
De Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Asphalt and bituminous compounds for roofing, road making, and wall coatings. 242,949; Aug. 16. Class 12.
Deep Rock Artesian Water & Bottling Co., also doing business as Deep Rock Water Co., Denver, Colo. Beverages sold as soft drinks. 245,339; Aug. 16. Class 45.
Denver Pharmaceutical Mfg. Co., Inc., Long Island City, N. Y. Shampooing preparations. 251,222; Aug. 16. Class 6.
Develon, Thomas, jr., Philadelphia, Pa. Textile rugs and floor coverings. 239,645; Aug. 16. Class 42.
Devices Development Company, The. (See Saffold, James W.)
Dolorcide Laboratories, The. (See Small, Fred A., & Robert H. Horak.)
Dover Manufacturing Co., The, Dover, Ohio. Electric appliances. 248,888; Aug. 16. Class 21.
Drake & Company, Easton, Pa. Tea and coffee. 240,647; Aug. 16. Class 46.
Droescher & Behar, Inc., New York, N. Y. Knives made of base metal, barber shears, and razors. 239,097; Aug. 16. Class 23.
Drummond, Herman F., doing business as Milwaukee Malt Extract Company, Milwaukee, Wis. Concentrated malt sirup as a food product. 239,467; Aug. 16. Class 48.
Economy Meter Corporation, Los Angeles, Calif. Fluid meters. 251,493; Aug. 16. Class 26.
Edwards Manufacturing Company, The, Cincinnati, Ohio. Metal lath. 248,625; Aug. 16. Class 12.
Ehrich, Edward E., doing business as The Grand Mfg. Co., Indianapolis, Ind. Dry-cleaning machines, extractors, and parts thereof. 248,889; Aug. 16. Class 24.
Ely, Albert E., doing business as Quiz Chemical Company, Glasgow, Ky. Medicine. 250,913; Aug. 16. Class 6.
Endicott Johnson Corporation, Endicott, N. Y. Leather and rubber boots and shoes and heels for boots and shoes. 249,218; Aug. 16. Class 39.
Esman, Joseph P., Pittsburgh, Pa. Malt sirup. 250,402; Aug. 16. Class 48.
Family Medicine Co. (See Turner, A. Franklin.)
Famous Features Syndicate, Inc., New York, N. Y. Newspaper feature articles. 251,391. Aug. 16. Class 38.
Felix Mercantile Co. Inc., New York, N. Y. Sheets, pillowcases, cotton piece goods, etc. 218,806; Aug. 16. Class 42.
First National Stores, Inc., Boston, Mass. Canned vegetables, dried vegetables, canned fruits, fresh fruits, etc. 240,966; Aug. 16. Class 46.
First National Stores, Inc., Boston, Mass. Canned vegetables, dried vegetables, canned fruits, fresh fruits, etc. 240,969; Aug. 16. Class 46.
Fisch and Company, Inc., Los Angeles, Calif. Felt emblems. 249,786; Aug. 16. Class 40.
Forst Products Company, Inc., New Orleans, La. Concentrated liquid containing pectin. 251,300; Aug. 16. Class 46.
Fort, Clarence E., doing business as The American Remedies Company, Rockford, Ill. Medicines. 250,020; Aug. 16. Class 6.
Foti, Giacomo, Philadelphia, Pa. Canned tunny fish, vegetables, chick peas, flour, and macaroni, etc. 249,848; Aug. 16. Class 46.
Frampton Company, The, Newark, N. J., and New York, N. Y. Material or fabrics stamped for art embroidery. 243,356; Aug. 16. Class 40.
Fritz, George H., & Sons Co., Newark, N. J. Candy. 241,098; Aug. 16. Class 46.
Fritz, Walter E., Landingville, Pa. Circular and flat knit underwear consisting of ladies', misses', children's, and infants' shirts, vests, drawers, etc. 250,843; Aug. 16. Class 39.
Gilbert, Edwin R., doing business as Play-Boy Products Co., Los Angeles, Calif. Dart and target game. 248,565; Aug. 16. Class 22.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 250,021; Aug. 16. Class 39.
Glazer, Joseph, Fort Worth, Tex. Beverages sold as soft drinks. 250,077; Aug. 16. Class 45.
Glenwood Cotton Mills, Easley, S. C. Cotton sheetings and drillings. 251,728–9; Aug. 16. Class 42.
Goddard, Gilbert E., doing business as Goddard & Co., Sidney, Vancouver Island, Canada. Chemical compound. 239,360; Aug. 16. Class 6.
Godde, Albert, Bedin, Inc., New York, N. Y. Silk piece goods. 244,593; Aug. 16. Class 42.
Goldfarb, M., New York, N. Y. Fresh cut flowers and plants. 248,681; Aug. 16. Class 1.
Goldmeyer & Arnold, Incorporated, New York, N. Y. Fruit preserves. 249,846; Aug. 16. Class 46.
Goodman & Suss, Inc., Rochester, N. Y. Suits and topcoats. 243,939; Aug. 16. Class 39.
Goodrich, B. F., Company, The, New York, N. Y. Stationers' bands made of rubber. 251,333–4; Aug. 16. Class 37.
Grand Mfg. Co., The. (See Ehrich, Edward E.)
Graybar Electric Company, Inc., New York, N. Y. Wire cable. 251,749; Aug. 16. Class 7.
Green, Charles W., doing business as The Bilo Co., New York, N. Y. Medicinal preparation. 250,746; Aug. 16. Class 6.
Green Witch Water Waver Company, Chicago, Ill. Non-electrical hair-waving instrument. 250,173; Aug. 16. Class 40.
Greenbaum, Harry L., doing business as Technical Color & Chemical Works, New York, N. Y. Floor paints, varnish stains, paint enamel and thinner. 248,864; Aug. 16. Class 16.
Guest, Keen & Nettlefolds Limited, London Works, Smethwick, England. Screws of ordinary metal. 248,769–71; Aug. 16. Class 13.
Guns Durler Candy Co., Oshkosh, Wis. Candy. 248,834; Aug. 16. Class 46.
Hales Milling Company, Milwaukee, Wis. Shelled and unshelled and popped pop corn. 246,899; Aug. 16. Class 46.
Hall, Chas. W., & Co., Inc., Valparaiso, Ind. Containers. 250,306; Aug. 16. Class 2.
Hillside Cotton Mills, La Grange, Ga., and Roanoke, Ala. Trousers, work pants, caps, etc. 245,145; Aug. 16. Class 39.
Hollander Bros. Drug Co., Rankin, Pa. Deodorant. 251,138; Aug. 16. Class 6.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 250,955; Aug. 16. Class 6.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Houghton, E. F., & Co., Philadelphia, Pa. Oils for lubricating woolen and worsted yarns. 251,037; Aug. 16. Class 6.
Howard Brothers M'f'g. Co., Worcester, Mass. Card clothing and hand cards. 251,444; Aug. 16. Class 23.
Hussmann, Harry L., Refrigerator Company, St. Louis, Mo. Showcase refrigerators. 239,366; Aug. 16. Class 31.
Hy-Lo Oil Heater Company, Peoria, Ill. Oil and gas heating stoves. 249,422; Aug. 16. Class 34.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Berlin, Germany. Cameras and parts thereof. 242,176; Aug. 16. Class 26.
Ice Cream Snack Products Co., New York, N. Y. Chocolate-coated ice cream. 251,557; Aug. 16. Class 46.
Ingrassia, Leon, doing business as I. Leon Company, New York, N. Y. Pads for use in permanent hair waving and for permanent-hair-waving machines and appliances. 247,738; Aug. 16. Class 44.
Ipswich Mills, Ipswich, Mass. Hosiery. 251,141; Aug. 16. Class 39.
Jaffee, L. J. and C. D., Inc., New York, N. Y. Young men's, boys', and children's suits. 248,367; Aug. 16. Class 39.
Jevne, H., Co., Los Angeles, Calif. Honey, pickles, teas, coffees, etc. 249,525; Aug. 16. Class 16.
Jobbers Candy Co. Inc., doing business as The Aga-Jell Co., Bristol, Va. Candy. 248,839; Aug. 16. Class 46.
Johnson, James T., jr., Scranton, Pa. Union suits, undershirts, and drawers. 248,499; Aug. 16. Class 39.
Jordan Marsh Company, Boston, Mass. Ironing-board covers and pads. 250,243; Aug. 16. Class 24.
Kauffmann, F. A., Manufacturing Company, St. Louis, Mo. Vinegar, sauerkraut, pimentos, etc. 250,307; Aug. 16. Class 46.
Keller-Kohn Company, The, Cleveland, Ohio. Children's coats. 250,551; Aug. 16. Class 39.
Keystone Refractories Company, Jersey City, N. J. Protective wash over refractory surfaces. 214,166; Aug. 16. Class 12.
Kezar, Hiram L., assignor to F. A. Brown and H. W. Randall, Durand, Wis. Salve. 233,647; Aug. 16. Class 6.
Kinney, G. R., Co., Inc., New York, N. Y. Leather boots and shoes. 249,179; Aug. 16. Class 39.
Kren, Jos. G., Syracuse, N. Y. Baseball bats. 248,003; Aug. 16. Class 22.
Kresge Department Store Corpn., Newark, N. J. Men's clothing. 247,695; Aug. 16. Class 39.
La Verne Orange Association, La Verne, Calif. Oranges, lemons, and grapefruit. 243,375; Aug. 16. Class 46.
Leon, I., Company. (See Ingrassia, Leon.)
Leverton and Company, Houston, Tex. Olives and cherries in bottles, figs packed in glass and in tins, etc. 248,182; Aug. 16. Class 46.
Lichtenberger-Ferguson Company, Los Angeles, Calif. Sole leather. 244,779; Aug. 16. Class 1.
Liebovitz, S., & Sons, Inc., New York, N. Y. Men's shirts, nightrobes, pyjamas, and boys' blouses. 243,711; Aug. 16. Class 39.
Liebovitz, S., & Sons, Inc., New York, N. Y. Men's shirts, nightshirts, pyjamas, boys' blouses and shirts. 243,714; Aug. 16. Class 39.
Limited Company formerly The Skoda-Works, Plzeň, Prague-Smichov, Czechoslovakia. Cream separators. 235,487; Aug. 16. Class 23.
Logan Company, Louisville, Ky. Ornamental wire and iron work. 215,801; Aug. 16. Class 12.
Lord & Taylor, New York, N. Y. Men's suits, coats, trousers, etc. 250,247; Aug. 16. Class 39.
Lord & Taylor, New York, N. Y. Bathing suits. 251,279–80; Aug. 16. Class 39.
Lubbers & Bell Manufacturing Co., Clinton, Iowa. Fly swatters. 249,077; Aug. 16. Class 50.
Luxor, Limited, Chicago, Ill. Cold cream, lip stick, face powder, etc. 248,580; Aug. 16. Class 6.
MacDonald, Katherine A., Hollywood, Calif. Cold creams, face powder, hair tonic, etc. 234,216; Aug. 16. Class 6.
Macy, R. H., & Co., Inc., New York, N. Y. Textile mattress covers. 251,403; Aug. 16. Class 42.
Magic Chef Dehydrated Products Company, Sturtevant, Wis. Dehydrated products 250,029; Aug 16. Class 46.
Markopoulos, George G., doing business as American Products Company, Kansas City, Mo. Prepared fruit seeds. 249,667; Aug. 16. Class 46.
Markt & Hammacher Company, New York, N. Y. Farming and garden tools. 247,802; Aug. 16. Class 23.
Marvel Laboratories Company. (See Pezzella, Albert.)
Marvon Corporation, The, Poughkeepsie, N. Y. Salve. 250,811; Aug. 16. Class 6.
Masteller Coal Company, The, Keyser, W. Va. Coal. 250,928; Aug. 16. Class 1.
McCallum & Craigie, Limited, Shettleston, Glasgow, Scotland. Knitted articles of clothing. 246,918; Aug. 16. Class 39.
McCormick & Co., Incorporated, Baltimore, Md. Insecticides. 251,146; Aug. 16. Class 6.
Midwest Specialty Co., Huron, S. Dak. Nonmetallic composition of matter for stopping leaks in automobile radiators. 245,853; Aug. 16. Class 6.
Miller, Daniel, Company, Baltimore, Md. Knitted garments. 248,224; Aug. 16. Class 39.
Miller, Palmer & Co., Dubuque, Iowa. Toy gliders. 236,885; Aug. 16. Class 22.
Milwaukee Malt Extract Company. (See Drummond, Herman F.)
Morin's Laboratories, Inc., Newton, Mass. Chemical preparations. 240,618; Aug. 16. Class 6.
Multipose Camera Corporation, New York, N. Y. Photographic sensitized plates, films, papers, cameras, lenses, and developing apparatus. 251,066; Aug. 16. Class 26.
Murphy, Vinnie A., Salinas, Calif. Medicated sherry and port. 250,088; Aug. 16. Class 6.
Musher & Co., Washington, D. C. Olive oil, olive butter, and mayonnaise salad dressings. 249,982; Aug. 16. Class 46.
Musher & Co., Washington, D. C. Candy confections, ice-cream flavors, and fruit juices. 249,983–4; Aug. 16. Class 46.
Naamlooze Vennootschap Maatschappij tot Vervaardiging van Snijmachines Volgens van Berkel's Patent en van andere Werktuigen, Rotterdam, Netherlands. Machines for slicing meat, bread, and other commodities. 231,558; Aug. 16. Class 23.
National Sanitary Rag Co., San Francisco, Calif. Rags and old newspapers. 250,517; Aug. 16. Class 1.
Neustadter Brothers, San Francisco, Calif. Men's and boys' overalls and work pants. 247,699; Aug. 16. Class 39.
New Haven Laboratories, Inc., New Haven and Milford, Conn. Medical compound. 251,788; Aug. 16. Class 6.
New York Telegram Corporation, The, New York, N. Y. Newspaper. 251,196; Aug. 16. Class 38.
Nolan, M. J., Inc., New York, N. Y. Dress silks in the piece. 250,256; Aug. 16. Class 42.
Noma Electric Corporation, New York, N. Y. Christmas-tree lighting outfits, electric decorative devices. 250,257; Aug. 16. Class 21.
Odor-Nox Chemical Company, Los Angeles, Calif. Deodorants, disinfectants, antiseptics, and germicides. 248,423; Aug. 16. Class 6.
Olsen, Fred, doing business as Olsen Fish Company, Minneapolis, Minn. Canned salmon, shrimp, lobsters, etc. 249,484; Aug. 16. Class 46.
Osberg, John E., doing business as Rixon Novelty Co. and Rixon Nov. Co., Chicago, Ill. Game of chance played with numbered and marked pieces. 249,991; Aug. 16. Class 22.
Oshkosh Overall Co., Oshkosh, Wis. Men's coats and jackets. 245,026; Aug. 16. Class 39.
Otis Company, Boston, Mass. Cotton piece goods. 250,320; Aug. 16. Class 42.
Palmer Bottling Company, Philadelphia, Pa. Beverage sold as a soft drink. 246,846; Aug. 16. Class 45.
Pezzella, Albert, doing business as Marvel Laboratories Company, New York, N. Y. Medicated chewing gum. 234,800; Aug. 16. Class 6.
Phi Chi, Nicholasville, Ky. Fraternity pins, badges, lapel buttons, cuff links, etc. 249,290; Aug. 16. Class 28.
Play-Boy Products Co. (See Gilbert, Edwin R.)
Pneumelectric Corporation, The, Syracuse, N. Y. Coal-mining machinery. 251,572; Aug. 16. Class 23.
Porter Clothing Co., New Orleans, La. Overcoats and suits for men. 250,635; Aug. 16. Class 39.
Powell, Bessie S., doing business as Beth Tantum, Los Angeles, Calif. Oranges, grapes, bananas, pears, plums, apricots, etc. 240,151; Aug. 16. Class 46.
Pozzoni, J. A., Pharmacal Company, The, New York, N. Y. Complexion powder. 251,013; Aug. 16. Class 6.
Preferred Products, Inc., Los Angeles, Calif. Tonic. 249,805; Aug. 16. Class 6.
Preis, J. J., & Company, New York, N. Y. Young men's and students' suits. 246,503; Aug. 16. Class 39.
Providence Braid Co., Pawtucket, R. I. Braided shoe thread. 251,683; Aug. 16. Class 43.
Pupella, Salvatore, doing business as Alpha Laboratories, New York, N. Y. Powder for alleviating pain of burns, sores, and wounds. 251,241; Aug. 16. Class 6.
Quiz Chemical Company. (See Ely, Albert E.)
Randall, Henry W., et al. (See Kezar, Hiram L., assignor.)
Ready Apron Company, Chicago, Ill. Bibs. 249,605; Aug. 16. Class 39.
Red Feathers Repairs, Inc., New York, N. Y. Sweaters and knitted scarfs. 246,123; Aug. 16. Class 39.
Red Monk Medicinal Wine Co. (See Crevey, William.)
Reliance Machine & Stamping Works, Inc., New Orleans, La. Grease-gun filler necks, grease-cup fittings, grease guns and pumps, and parts thereof. 246,436; Aug. 16. Class 23.
Richheimer, Fred., Floral Park, N. Y. Mayonnaise. 251,083; Aug. 16. Class 46.
Rixon Novelty Co. (See Osberg, John E.)
Roberts, W. J., doing business as R. D. Robbins Estate, Suisun, Calif. Deciduous fruits. 251,630; Aug. 16. Class 46.
Robinson & Golluber, New York, N. Y. Cotton piece goods. 251,686; Aug. 16. Class 42.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Roebling's, John A., Sons Company, Trenton, N. J. Stranded insulated wire for electrical purposes. 249,869; Aug. 16. Class 21.
Rossite Manufacturing Co., Inc., Rockville Center, N. Y. Compositions for cleaning and polishing. 249,297; Aug. 16. Class 16.
Rothstein, Samuel, Clothing Co., Inc., New York, N. Y. Overcoats, coats, and jackets. 251,150; Aug. 16. Class 39.
Royal River Manufacturing & Power Company, Boston, Mass. Seamless cotton bags. 250,713–14; Aug. 16. Class 2.
Rubber City Mfg. Co., The, Akron, Ohio. Plastic composition used as floor covering. 227,279; Aug. 16. Class 12.
Rubin Brothers, Chicago, Ill. Overalls and coats. 249,870; Aug. 16 Class 39.
Rutshaw, Henry W., Chicago, Ill. Salves. 247,144; Aug. 16. Class 6.
Saffold, James W., doing business as The Devices Development Company, Cleveland, Ohio. Illustrative specimens and models of patented inventions of different types. 232,101; Aug. 16. Class 50.
Safier, S., Inc., Jersey City, N. J. Wrapping paper. 251,458; Aug. 16. Class 37.
Sager Pen Corporation, The, Chicago, Ill., and New York, N. Y. Fountain pens. 250,941; Aug. 16. Class 37.
Sands Manufacturing Company, The, Cleveland, Ohio. Gas water heaters. 250,040; Aug. 16. Class 34.
Sarner & Schlesinger, Philadelphia, Pa. Dresses. 250,520; Aug. 16. Class 39.
Schlitz, Jos., Beverage Company, Milwaukee, Wis. Canned malt sirup. 248,061; Aug. 16. Class 48.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 248,062; Aug. 16. Class 39.
Scott, Rufus W., Company, New York, N. Y. Hosiery. 251,152; Aug. 16. Class 39.
Selkow, Irving, doing business as Washington Barber Supply Co., New York, N. Y. Rouge, face powder, toilet water, etc. 235,855; Aug. 16. Class 6.
Sheridan, Joseph W., doing business as American Beauty Rose Ice Cream Cone Co., Quincy, Ill. Ice-cream cones. 250,100; Aug. 16. Class 46.
Sidenberg, G., & Co., New York, N. Y. Silk piece goods. 251,246–7; Aug. 16. Class 42.
Sigma Nu Fraternity, Indianapolis, Ind. Periodical publication. 251,101; Aug. 16. Class 38.
Slater, Joseph, Limited, Aberdeen, Scotland. Pickled herrings. 225,883; Aug. 16. Class 46.
Small, Fred A., & Robert H. Horak, doing business as The Delorcide Laboratories, Cedar Rapids, Iowa. Anti-pain tablet. 246,056; Aug. 16. Class 6.
Smith, E. L., & Co., Barre, Vt. Blocks of granite not prepared for building purposes. 248,938; Aug. 16. Class 1.
Southern Pine Remedies, Incorporated, Brooklyn, N. Y. Medicinal ointment. 250,328; Aug. 16. Class 6.
Squillante, Vincent J., New York, N. Y. Fresh fruits and vegetables. 231,018; Aug. 16. Class 46.
Standard Fuel Engineering Company, Detroit, Mich. Fire brick. 247,759; Aug. 16. Class 12.
Steele and Johnson Mfg. Co., Waterbury, Conn. Non-electric cigar lighters. 249,934; Aug. 16. Class 34.
Sunland Laboratories, Inc., Los Angeles, Calif. Salves, ointment, face powder, etc. 236,447; Aug. 16. Class 6.
Sunland Laboratories, Inc., Los Angeles, Calif. Salves, ointment, face powder, etc. 236,449; Aug. 16. Class 6.
Superior Products Co., St. Louis, Mo. Malt sirup for food purposes. 247,915; Aug. 16. Class 48.
Syco Radio Products Corporation, Philadelphia, Pa. Radio receiving sets and component parts thereof, etc. 212,212; Aug. 16. Class 21.
Technical Color & Chemical Works. (See Greenbaum, Harry L.)
Thermo Electric Instrument Co., The, Irvington, N. J. Electric ovens, incubators, water baths, and automatic temperature controls. 241,123; Aug. 16. Class 26.
Trade Mark Stores, Inc., Boston, Mass. Cotton piece goods, sheets, pillowcases, and towels. 232,164; Aug. 16. Class 42.
Trankina, J., & Co., Chicago, Ill. Tomatoes. 250,766; Aug. 16. Class 46.
Turner, A. Franklin, doing business as Family Medicine Co., Arthur, Ill. Medicinal preparation. 249,448; Aug. 16. Class 6.
Turner, Alfred S., doing business as Turner Brothers, Bladen, Nebr., and Wellington, Ohio. Paraffin-treated cloth for window coverings and the like. 245,816; Aug. 16. Class 50.
Tutelman & Kohn, Philadelphia, Pa. Men's shirts with collars attached. 248,137; Aug. 16. Class 39.
Twindoiox Corporation, Long Beach, Calif. Window locks. 250,479; Aug. 16. Class 25.
Union Hardware Company, Torrington, Conn. Tapered and tempered steel tubing. 233,664; Aug. 16. Class 13.
United Malt Company, Cincinnati, Ohio. Malt extracts and sirups. 246,516; Aug. 16. Class 48.
Upjohn Company, The, Kalamazoo, Mich. Ointment. 251,799; Aug. 16. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Tablets for treatment of heart diseases. 251,800; Aug. 16. Class 6.
Van Camp Packing Company, The, Indianapolis, Ind. Canned beans. 250,052; Aug. 16; Class 46.
Vanity Fair Silk Mills, Reading, Pa. Piece goods. 249,392; Aug. 16. Class 42.
Vauxhall Motors Limited, Luton, Bedfordshire, England. Automobiles and chassis therefor. 250,725; Aug. 16. Class 19.
Wahl, M., & Son, New York, N. Y. Toilet preparations. 249,308; Aug. 16. Class 6.
Walsh, Martin J., Portland, Me. Malt sirup. 248,539; Aug. 16. Class 48.
Washington Barber Supply Co. (See Selkow, Irving.)
Weaver-Jackson Company, Los Angeles, Calif. Shampoo. 243,633; Aug. 16. Class 6.
Webster, William A., Company, The, Memphis, Tenn. Antiseptic mouth wash and gargle, etc. 250,280; Aug. 16. Class 6.
White Brothers, Scotts, Mich. Coal and coke. 250,483; Aug. 16. Class 1.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 251,527; Aug. 16. Class 23.
Whitefield, Harry, New York, N. Y. Fruit juices for use as soft drinks. 240,142; Aug. 16. Class 45.
Wilkinsburg Beverage Co. (See Arena, Frank.)
Wysard, Herman P., assignor to Biola Mfg. Co., Inc., Norfolk, Va. Basic food product. 244,589. Aug. 16. Class 46.
Zorn Products Co., Michigan City, Ind. Hops. 248,542; Aug. 16. Class 1.
Zorn Products Co., Michigan City, Ind. Malt extract. 248,543; Aug. 16. Class 48.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Consolidated Fuel Company. 231,145; Aug. 16; Serial No. 246,393; published June 7, 1927.
Coal. Pittsburgh Coal Company. 231,245; Aug. 16; Serial No. 242,308; published May 17, 1927.
Coal. Pittsburgh Coal Company. 231,404–6; Aug. 16; Serial Nos. 246,432–4; published May 31, 1927.
Coal. Western Coal & Coke Co. 231,461; Aug. 16.
Leather, Lacquered. Cornelius Heyl Aktiengesellschaft. 231,411; Aug. 16; Serial No. 246,889; published June 7, 1927.
Plants, lilies, imported and native garden bulbs, shrubs, etc., Hardy. Wayside Gardens Co. 231,410; Aug. 16; Serial No. 246,866; published June 7, 1927.
Seed corn. C. Reese. 231,466; Aug. 16.
Seeds, Farm. South Dakota Crop Improvement Association. 231,352; Aug. 16; Serial No. 225,525; published May 17, 1927.

CLASS 2.

Containers of jewels, pins, toothbrushes, bud vases, etc. Du Pont Viscoloid Company. 231,265; Aug. 16; Serial No. 244,819; published June 7, 1927.
Servers, Ice-cream-cone. F. C. Traver Paper Company. 231,369; Aug. 16; Serial No. 246,514; published May 31, 1927.

CLASS 4.

Cleaner and polish, Liquid shoe. Tor-Tis Company Incorporated. 231,311; Aug. 16; Serial 245,382; published June 7, 1927.
Cleaner, Kid-shoe. C. Foster. 231,199; Aug. 16; Serial 247,071; published June 7, 1927.
Cleaning compound, Liquid. Keewaugan Products Co. Inc. 231,285; Aug. 16; Serial No. 247,024; published June 7, 1927.
Dressing, Automobile top. Standard Insulation Company. 231,280; Aug. 16; Serial No. 246,937; published June 7, 1927.
Dressing for shoes, Waterproof. C. J. Johnson. 231,396; Aug. 16; Serial No. 246,753; published June 7, 1927.
Metal polish, auto top dressing, etc. Gardner Manufacturing Co. 231,344; Aug. 16; Serial No. 241,819; published May 31, 1927.
Soap powder combined with mineral ingredients. Cudahy Packing Co. 231,395; Aug. 16; Serial No. 246,741; published June 7, 1927.
Waterproofing composition. Norwegian Leather Waterproofing Company. 231,341; Aug. 16; Serial No. 240,993; published May 31, 1927.

CLASS 6.

Antiseptic and mouth wash, Liquid. M. B. Picker. 231,335; Aug. 16; Serial No. 239,823; published May 31, 1927.
Antiseptic throat pellets. Northrop & Lyman Co. 231,286; Aug. 16; Serial No. 247,035; published June 7, 1927.
Clay face pack, a hairdressing, and a shampoo. White-L. E. Blackmer. 231,437; Aug. 16; Serial No.245,422; published May 31, 1927.
Cologne water, perfumery, hair tonics, shampoo, etc., Eau de. P. P. Mülhens. 231,347; Aug. 16; Serial No. 242,051; published June 7, 1927.
Compound for the treatment of pulmonary diseases. A. Latour. 231,287; Aug. 16; Serial No. 230,177; published June 7, 1927.
Cosmetics and toilet preparations. Biroto, Perfumer. 231,254; Aug. 16; Serial No. 243,248; published June 7, 1927.
Cough sirup and pectoral tea. A. Cools. 231,418; Aug. 16; Serial No. 243,418; published May 31, 1927.
Cream, Skin-bleaching. C. H. Shaw. 231,307; Aug. 16; Serial No. 236,965; published June 7.
Cream tartar, tartaric acid, etc. American Cream Tartar Co. 231,447; Aug. 16.
Deodorant. Sunland Laboratories Inc. 231,384; Aug. 16; Serial No. 243,397; published June 7, 1927.
Dyes. Teddy Tints, Inc. 231,309; Aug. 16; Serial No. 245,306; published June 7, 1927.
Fungicide, seed disinfectnnt. E. I. du Pont de Nemours and Company. 231,393; Aug. 16; Serial No. 246,673; published June 7, 1927.
Gas, Natural. J. C. Whitfield. 231,231; Aug. 16; Serial No. 248,071; published June 7, 1927.
Herb pills. A. Siwatycki. 231,187; Aug. 16; Serial No. 245,867; published May 31, 1927.
Insecticide, Household. Pax Manufacturing Company. 231,241; Aug. 16; Serial No. 248,248; published June 7, 1927.
Insecticide, Liquid. Little Brown Jug, Inc. 231,197; Aug. 16; Serial No. 246,099; published June 7, 1927.
Liniment. R. Rubin. 231,292; Aug. 16; Serial No. 230,846; published June 7, 1927.
Lotion, Eye. W. E. Garretson. 231,419; Aug. 16; Serial No. 243,599; published May 31, 1927.
Medicated chewing gum. John Lecroy & Son. 231,178; Aug. 16; Serial No. 248,006; published June 7, 1927.
Medicinal preparation. Tarrant Company. 231,188; Aug. 16; Serial No. 245,870; published June 7, 1927.
Medicine for piles. Wenner and Shadwell. 231,164; Aug. 16. Serial No. 247,766; published May 31, 1927.
Medicine, Itch. A. N. Apgar. 231,370; Aug. 16; Serial No. 246,526; published June 7, 1927.
Medicine, Poultry. Concentrate Products Company. 231,143; Aug. 16; Serial No. 246,391; published May 31, 1927.
Medicines, Antirheumatic, analgesic, and antipyretic. Bayer Company. 231,302–3; Aug. 16; Serial Nos. 235,875–6; published May 31, 1927.
Perfume. J. & E. Atkinson, Limited. 231,392; Aug. 16; Serial No. 246,657; published June 7, 1927.
Perfumery, toilet lotions, etc. J. M. Lupus. 231,201; Aug. 16; Serial No. 241,232; published May 31, 1927.
Perfumes. R. R. Du Pre. 231,171–2; Aug. 16; Serial No. 247,892–3; published June 7, 1927.
Perfumes. A. Martory. 231,232; Aug. 16; Serial No. 248,108; published June 7, 1927.
Perfumes. A. Martory. 231,233; Aug. 16; Serial No. 248,111; published June 7, 1927.
Perfumes. A. Martory. 231,234; Aug. 16; Serial No. 248,113; published June 7, 1927.
Pharmaceutical preparation. Schering & Glatz, Inc. 231,173; Aug. 16; Serial No. 247,911; published June 7, 1927.
Powder used for an acid condition of the intestines. Triphosal Company. 231,220; Aug. 16; Serial No. 248,024; published June 7, 1927.
Powders, creams, and packs, rouges, perfumes, hair oils, etc., Face. American Beauty Perfumers. 231,169; Aug. 16; Serial No. 247,837; published June 7, 1927.
Preparation, Dental. M. E. Palmer. 231,195; Aug. 16; Serial No. 246,046; published June 7, 1927.
Preparation for the treatment of gall bladder and hepatic disorders. Anasarcin Chemical Company. 231,174; Aug. 16; Serial No. 247,924; published June 7, 1927.
Prophylactic and germicide preparations. Von Dancz-Fisher, Inc. 231,242–3; Aug. 16; Serial Nos. 242,259–60; published June 7, 1927.
Saline eliminants. Crystal Carbonic Laboratory. 231,256; Aug. 16; Serial No. 245,895; published May 24, 1927.
Salt. Leslie-California Salt Co. 231,345; Aug. 16; Serial No. 242,012; published May 31, 1927.
Salve. Harrison Chemical Co. 231,209; Aug. 9; Serial No. 247,186; published May 31, 1927.
Shampoo. Dynamic Chemical & Mineral Company. 231,215; Aug. 16; Serial No. 247,417; published June 7, 1927.
Solution, Storage-battery. W. J. Bailey. 231,282; Aug. 16; Serial No. 246,998; published June 7, 1927.
Tablets for the treatment of colds, headache, and la grippe. Roger Bros. 231,202; Aug. 16; Serial No. 247,101; published May 31, 1927.
Toilet articles. Les Parfums de Rosine, Inc. 231,259; Aug. 16; Serial No. 244,616; published June 7, 1927.
Tonic. I. L. Hill. 231,161; Aug. 16; Serial No. 247,692; published May 31, 1927.
Tonic, Hair. Capillo Manufacturing Co. 231,191; Aug 16; Serial No. 246,014; published May 31, 1927.
Tonic, Nerve. Aktiengesellschaft Hommel's Haematogen. 231,343; Aug. 16; Serial No. 241,553; published June 7, 1927.
Tooth preservative. F. Sacco. 231,429; Aug. 16; Serial No. 244,185; published June 7, 1927.
Vermifuge, Poultry. Concentrate Products Co. 231,144; Aug. 16; Serial No. 246,392; published May 31, 1927.

CLASS 9.

Revolvers and shotguns. Iver Johnson's Arms & Cycle Works. 231,365; Aug. 16; Serial No. 229,633; published May 31, 1927.
Shotgun shells. Sears, Roebuck and Co. 231,465; Aug. 16.

CLASS 10.

Bacteria used for inoculating seeds of leguminous plants, Culture of. M. Scherago. 231,210; Aug. 16; Serial No. 247,216; published May 31, 1927.
Lime, Agricultural. Columbia Products Co. 231,448; Aug. 16.

CLASS 11.

Carbon paper and typewriter ribbons. Non-Smut Carbon Mfg. Co. 231,149; Aug. 16; Serial No. 246,494; published May 31, 1927.
Ink, Writing. American Crayon Company. 231,271; Aug. 16; Serial No. 246,805; published June 7, 1927.

CLASS 12.

Asphalt. Lewis Asphalt Engineering Corporation. 231,310; Aug. 16; Serial No. 245,356; published May 24, 1927.
Brick. Acme Brick Company. 231,458–9; Aug. 16.
Brick and tile. American Enameled Brick & Tile Company. 231,407; Aug. 16; Serial No. 246,524; published May 31, 1927.
Brick and tile. Gladding, McBean and Co. 231,464; Aug. 16.
Cement-base flooring material, Portland. Made-Rite Products Co. 231,353; Aug. 16; Serial No. 217,793; published Mar. 2, 1926.
Cement, Fire-brick. A. P. Green Fire Brick Company. 231,135; Aug. 16; Serial No. 246,206; published May 24, 1927.
Cement plaster, Neat. Atlantic Gypsum Products Company. 231,430; Aug. 16; Serial No. 244,206; published June 7, 1927.
Cement plaster, Neat. Atlantic Gypsum Products Company. 231,431; Aug. 16; Serial No. 244,207; published May 17, 1927.
Cement, Portland. Warrior Cement Corporation. 231,258; Aug. 16; Serial No. 244,583; published May 24, 1927.
Cork, cork pipe, board, and tile. Cork Import Corporation. 231,356–8; Aug. 16; Serial Nos. 227,397–9; published May 24, 1927.
Earth, Diatomaceous. Celite Company. 231,293; Aug. 16; Serial No. 231,366; published June 7, 1927.
Glazing material. W. E. Dunn Manufacturing Co. 231,317; Aug. 16; Serial No. 244,397; published June 7, 1927.
Lime. Augusta Lime Company. 231,137; Aug. 16; Serial No. 246,263; published May 24, 1927.
Lumber, Waterproofed. E. S. Evans & Co. Inc. 231,397; Aug. 16; Serial No. 245,431; published June 7, 1927.
Metal sheets. H. H. Robertson Company. 231,363; Aug. 16; Serial No. 228,937; published May 24, 1927.
Plaster board, wall board, and roofing. Goodfellow Lumber Company. 231,408; Aug. 16; Serial No. 246,746; published May 31, 1927.
Plastic leak-sealing compound. Furmanite Corporation. 231,409; Aug. 16; Serial No. 246,826; published June 7, 1927.
Refractory material, Plastic. J. T. Bealor. 231,189; Aug. 16; Serial No. 245,884; published May 24, 1927.
Roofing material. Continental Roofing & Manufacturing Co. 231,426; Aug. 16; Serial No. 244,051; published May 24, 1927.
Roofing material, Asphalt. Continental Roofing Manufacturing Co. 231,423; Aug. 16; Serial No. 244,046; published May 24, 1927.
Roofing material, Asphalt. Continental Roofing & Manufacturing Co. 231,425; Aug. 16; Serial No. 244,050; published May 24, 1927.
Roofing materials. Continental Roofing & Manufacturing Co. 231,424; Aug. 16; Serial No. 244,048; published May 24, 1927.
Tile. W. E. Dunn Manufacturing Co. 231,318; Aug. 16; Serial No. 244,398; published May 24, 1927.
Tile, draintile, flue lining, sewer pipe, and wall coping, Underdrain. What Cheer Clay Products Company. 231,329; Aug. 16; 238,471; published May 24, 1927.
Tile, Quarry. United States Quarry Tile Co. 231,136; Aug. 16; Serial No. 246,245; published May 24, 1927.
Tile, Quarry. United States Quarry Tile Co. 231,401–3; Aug. 16; Serial Nos. 246,246–8; published June 7, 1927.
Tiles. Sparta Ceramic Company. 231,314–5; Aug. 16; Serial Nos. 244,331–2; published May 17, 1927.

Tiles. Sparta Ceramic Company. 231,433–5; Aug. 16; Serial Nos. 244,328–30; published May 17, 1927.
Tiles, surfacings, nosings, railings, and wall facings, Ceramic. Friderichsen Floor & Wall Tile Co. 231,377; Aug. 16; Serial No. 245,432; published May 24, 1927.
Wall board. Beaver Products Company. 231,349; Aug. 16; Serial No. 194,329; published June 7, 1927.
Wax, Crack-sealing. E. R. Oden. 231,323; Aug. 16; Serial No. 237,278; published June 7, 1927.

CLASS 13.

Faucets, swing spouts, and flanges, Sink. Republic Brass and Manufacturing Company. 231,297; Aug. 16; Serial No. 233,329; published June 7, 1927.
Strainers and fry baskets. Hamblin & Russell Manufacturing Company. 231,308; Aug. 16; Serial No. 236,371; published May 31, 1927.
Valve caps, Tire-. S. C. McAlpine. 231,394; Aug. 16; Serial No. 246,697; published May 31, 1927.
Valves and cocks. Mueller Co. 231,322; Aug. 16; Serial No. 244,566; published June 7, 1927.
Valves and faucets. Mueller Co. 231,257; Aug. 16; Serial No. 244,567; published June 7, 1927.

CLASS 14.

Alloys, Precious-metal. National Smelting & Refining Corp. 231,427; Aug. 16; Serial No. 244,089; published May 31, 1927.
Aluminum. Aluminum Industries, Inc. 231,412; Aug. 16; Serial No. 246,947; published May 31, 1927.
Aluminum ingots. Aluminum Company of America. 231,389; Aug. 16; Serial No. 246,584; published May 31, 1927.
Lead. American Smelting and Refining Company. 231,208; Aug. 16; Serial No. 247,159; published June 7, 1927.
Putties. Plastic Products Company. 231,249; Aug. 16; Serial No. 242,905; published May 24, 1927.

CLASS 16.

Paint, floor wax, varnish, etc. John Lucas and Company. 231,319; Aug. 16; Serial No. 244,448; published May 31, 1927.
Paints. H. B. Davis Company. 231,441; Aug. 16.
Paints and paint enamels. Corlis-Seabrook Paint Company. 231,400; Aug. 16.
Paints, Ready-Mixed. Keystone Varnish Company. 231,184; Aug. 16; Serial No. 245,792; published May 31, 1927.
Paints, stains, varnishes, japans, and fillers. H. B. Davis Company. 231,446; Aug. 16.
Paints, varnishes, and lacquers, Dry, paste, and ready-mixed. H. Reichhold. 231,360; Aug. 16; Serial No. 227,476; published May 31, 1927.
Polish, Automobile and furniture. McKesson & Robbins, Incorporated. 231,275; Aug. 16; Serial No. 246,841; published June 7, 1927.
Polish, Piano, furniture, and automobile. I. Netzorg. 231,158; Aug. 16; Serial No. 246,111; published May 31, 1927.

CLASS 19.

Aircraft. Atlantic Aircraft Corporation. 231,453; Aug. 16.
Automobiles. Studebaker Corporation. 231,139–40; Aug. 16; Serial Nos. 246,307–8; published June 7, 1927.
Automobiles. Studebaker Corporation. 231,308; Aug. 16; Serial No. 246,511; published June 7, 1927.
Cabs for automotive vehicles. Metropolitan Body Company. 231,306; Aug. 16; Serial No. 229,747; published June 7, 1927.
Shock absorbers. Simplex Shock Absorber Company. 231,212; Aug. 16; Serial No. 247,292; published June 7, 1927.

CLASS 23.

Condensers, air and gas coolers, Steam and vapor. Chicago Pneumatic Tool Company. 231,326; Aug. 16; Serial No. 237,945; published June 7, 1927.
Dishwashing apparatus. Dishwashette Corporation. 231,179; Aug. 16; Serial No. 245,621; published June 7, 1927.
Drills, reamers, end mills, reducers, etc., Twist. Whitman Barnes-Detroit Corporation. 231,181–3; Aug. 16; Serial Nos. 245,675–7; published May 31, 1927
Fountains, Automatic soda. Wyandotte Automatic Fountain Company. 231,385; Aug. 16; Serial No. 243,517; published May 31, 1927.
Handles or holders for tools, etc., Clamp. Thomas Mfg. Company. 231,391; Aug. 16; Serial No. 246,647; published May 31, 1927.
Hoists, Hand. Beebe Bros. 231,163; Aug. 16; Serial No. 247,726; published May 31, 1927.
Lubricating apparatus, Portable. Lincoln Steel & Forge Company. 231,354; Aug. 16; Serial No. 226,905; published June 7, 1927.
Machines for bakeries and confectioneries. F. Aeschbach, S. A. 231,276; Aug. 16; Serial No. 246,878; published June 7, 1927.
Mixing and tempering machines, Bakers'. Century Machine Company. 231,205; Aug. 16; Serial No. 247,123; published June 7, 1927.
Mixing machines, Bakers'. Century Machine Company. 231,204; Aug. 16; Serial No. 247,122; published June 7, 1927.
Oil-field equipment. Walter O'Bannon Co. 231,138; Aug. 16; Serial No. 246,357; published May 31, 1927.
Oil separators. National Pipe Bending Company. 231,313; Aug. 16; Serial No. 229,926; published June 7, 1927.
Pump for fluids. Larvex Corporation. 231,177; Aug. 16; Serial No. 248,005; published June 7, 1927.
Razors. K. C. Seelbach Company. 231,185; Aug. 16; Serial No. 245,810; published May 31, 1927.
Signal devices. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 231,252; Aug. 16; Serial No. 243,083; published June 7, 1927.
Trimming machines. R. Hoe & Co. 231,364; Aug. 16; Serial No. 229,512; published June 7, 1927.
Vibratory apparatus. B. F. Gump Co. 231,367; Aug. 16; Serial No. 229,908; published June 7, 1927.
Woodworking machines. American Saw Mill Machinery Company. 231,213; Aug. 16; Serial No. 247,304; published May 31, 1927.

CLASS 24.

Clothes extractors, collar shapers, ironing machines, etc. Willey-Ellis Company. 234,300; Aug. 16; Serial No. 234,887; published June 7, 1927.
Ironing-board covers. Jordan Marsh Company. 231,218; Aug. 16; Serial No. 247,481; published May 31, 1927.
Washing machines. Freed-Eisemann Radio Corporation. 231,283; Aug. 16; Serial No. 247,009; published May 31, 1927.

CLASS 26.

Fare indicators. Kienzle Uhrenfabriken A.-G. 231,200; Aug. 16; Serial No. 247,087; published June 7, 1927.
Gauge glass. John Moncrieff, Limited. 231,284; Aug. 16; Serial No. 247,022; published June 7, 1927.
Lenses and frames and mountings therefor, Ophthalmic. J. Seadron. 231,325; Aug. 16; Serial No. 237,822; published June 7, 1927.
Meters, Oil and gasoline. S. F. Bowser & Company. 231,273; Aug. 16; Serial No. 246,812; published June 7, 1927.
Photographic papers, Light-sensitive. Eastman Kodak Company. 231,146; Aug. 16; Serial No. 246,397; published May 31, 1927.
Photographic papers, Sensitized. A. Bloch. 231,152; Aug. 16; Serial No. 245,136; published May 31, 1927.
Picture films, Motion-. Metro-Goldwin Pictures Corporation. 231,203; Aug. 16; Serial No. 246,106; published May 31, 1927.
Pictures, Motion. Jack White Comedy Corporation. 231,457; Aug. 16.
Printing plates and photo films. Jeffery White Studio, Inc. 231,306; Aug. 16; Serial No. 236,895; published June 7, 1927.
Synchronised apparatus and parts of such apparatus. Vitaphone Corporation. 231,348; Aug. 16; Serial No. 235,441; published June 21, 1927.

CLASS 29.

Brooms. Hudson Broom Works. 231,462; Aug. 16.

CLASS 31.

Refrigerating machines, Electric. Mitycold Corporation. 231,463; Aug. 16.
Refrigerators. A. C. Wicke Manufacturing Company. 231,190; Aug. 16; Serial No. 245,945; published May 31, 1927.
Refrigerators, refrigerator counters, etc. H. S. Cleveland. 231,206; Aug. 16; Serial No. 247,124; published June 7, 1927.

CLASS 32.

Cabinets, Kitchen. Coppes Brothers & Zook. 231,452; Aug. 16.
Chairs and household tables, sofas, etc., Upholstered household. Polly Parsons, Inc. 231,334; Aug. 16; Serial No. 239,719; published June 7, 1927.
Chairs, Upholstered. Indian Splint Inc. 231,170; Aug. 16; Serial No. 247,859; published May 31, 1927.
Davenports, bed davenports, chairs, and rocking-chairs. Roberti Bros. 231,387; Aug. 16; Serial No. 246,570; published June 7, 1927.
Furniture. Company of Master Craftsmen, Inc. 231,336; Aug. 16; Serial No. 239,920; published June 7, 1927.
Furniture, Upholstered. H. Schiff. 231,150; Aug. 16; Serial No. 246,509; published June 7, 1927.
Loud-speaker cabinets. Borkman Radio Corporation. 231,153; Aug. 16; Serial No. 245,138; published May 31, 1927.
Mattresses. United Mfg. Co. 231,220; Aug. 16; Serial No. 247,648; published May 31, 1927.
Mirrors and picture frames, Hand. Du Pont Viscoloid Company. 231,264; Aug. 16; Serial No. 244,818; published May 31, 1927.

CLASS 33.

Glass electric-light globes. Commercial Lighting Corporation. 231,371; Aug. 16; Serial No. 246,529; published May 31, 1927.
Goblets, Glass-footed. Federal Glass Company. 231,375–6; Aug. 16; Serial Nos. 246,541–2; published May 31, 1927.

CLASS 34.

Boilers. Peerless Heater Company. 231,454; Aug. 16.
Burners, Liquid-fuel. Nu-Way Corporation. 231,327; Aug. 16; Serial No. 238,132; published June 7, 1927.
Burners, Petroleum-oil. Petroleum Heat and Power Company. 231,207; Aug. 16; Serial No. 247,142; published May 31, 1927.
Gallery riser vents for auditoriums. Knowles Mushroom Ventilator Co. 231,340; Aug. 16; Serial No. 240,916; published May 31, 1927.
Gas-burning water heaters, air and gas mixers, etc. Geo. D. Roper Corporation. 231,350; Aug. 16; Serial No. 225,803; published May 31, 1927.
Stoves and furnaces. Birmingham Stove & Range Co. 231,440; Aug. 16.
Stoves and ranges. W. J. Loth Stove Company. 231,332; Aug. 16; Serial No. 238,795; published May 31, 1927.

CLASS 35.

Belting, Rubber. Goodyear Tire & Rubber Company. 231,230; Aug. 16; Serial No. 248,038; published June 7, 1927.
Inner tubes and tires, Rubber. Gates Rubber Company. 231,219; Aug. 16; Serial No. 247,535; published May 31, 1927.
Packing, Flexible metallic. Eureka Packing Co. 231,362; Aug. 16; Serial No. 228,897; published June 7, 1927.
Piston rings. Wel-Ever Piston Ring Co. 231,154; Aug. 16; Serial No. 245,174; published June 7, 1927.
Tire casings. Sterling Tire Corporation. 231,420; Aug. 16; Serial No. 243,981; published May 31, 1927.
Tubes for vehicle tires, Inner. Lee Rubber & Tire Corporation. 231,296; Aug. 16; Serial No. 232,498; published Dec. 21, 1926.

CLASS 37.

Books and blank forms, Blank. G. M. Schaff. 231,353; Aug. 16; Serial No. 211,379; published May 31, 1927.
Card indexes, guide cards, etc. Duradex Company. 231,214; Aug. 16; Serial No. 247,364; published May 31, 1927.
Index cards, guides, folders, and sheets. Filing Equipment Bureau Incorporated. 231,415; Aug. 16; Serial No. 247,423; published May 31, 1927.
Pads, Score. J. V. Finley. 231,414; Aug. 16; Serial No. 247,268; published May 31, 1927.
Paper and tracing cloth, Tracing. Acme Blue Print Paper Co. 231,413; Aug. 16; Serial No. 247,157; published May 31, 1927.
Paper tape and cloth tape, Gummed. Wortendyke Mfg. Co. 231,222; Aug. 16; Serial No. 247,724; published May 31, 1927.
Pens and pencils, Fountain. L. E. Waterman Company. 231,417; Aug. 16; Serial No. 247,651; published May 31, 1927.
Sponge cups. Sengbusch Self-Closing Inkstand Company. 231,346; Aug. 16; Serial No. 242,025; published May 31, 1927.

CLASS 38.

Directories, Classified telephone. Classified Telephone Directories Corporation. 231,304; Aug. 16; Serial No. 236,157; published Nov. 30, 1926.
Newspaper. Daily Trade Record Co. of New York. 231,428; Aug. 16; Serial No. 244,140; published May 24, 1927.

CLASS 39.

Apparel, Women's. Sam Rosenberg & Co. 231,305; Aug. 16; Serial No. 236,339; published May 17, 1927.
Boots, shoes, and overshoes. Cambridge Rubber Company. 231,198; Aug. 16; Serial No. 247,065; published May 24, 1927.
Boots, shoes, and overshoes, Rubber. Miller Rubber Company. 231,266; Aug. 16; Serial No. 244,836; published May 24, 1927.
Clothing, Men's. B. Lifshitz. 231,156; Aug. 16; Serial No. 245,215; published May 17, 1927.
Coats, Hunting. Utica Duxbak Corporation. 231,388; Aug. 16; Serial No. 246,577; published May 24, 1927.
Coats, vests, pants, and overcoats, Men's. Fashion Park, Inc. 231,372–4; Aug. 16; Serial Nos. 246,538–40; published May 24, 1927.
Coats, vests, trousers, and suits. Middishade Company. 231,278; Aug. 16; Serial No. 246,919; published May 24, 1927.
Coats, vests, trousers, etc. Lucky Stripe Tailoring Co. 231,321; Aug. 16; Serial No. 244,562; published May 3, 1927.
Collars, shirts, and underwear. Hall, Hartwell & Co. Inc. 231,180; Aug. 16; Serial No. 245,636; published May 17, 1927.
Collars, underwear, and shirts. Hall, Hartwell & Co. Inc. 231,381–2; Aug. 16; Serial Nos. 245,552–3; published May 17, 1927.
Corsets, brassières, bandeaux, and combinations thereof. Ivy Corset Company. 231,155; Aug. 16; Serial No. 245,214; published May 24, 1927.
Dresses. Daytime Frock Co. 231,442; Aug. 16.
Dresses, Ladies'. Uchin & Bell. 231,151; Aug. 16; Serial No. 245,037; published May 17, 1927.
Girdles. M. G. Michael. 231,386; Aug. 16; Serial No. 246,560; published May 24, 1927.
Gloves and mittens, Leather. Saranac Glove Co. 231,378; Aug. 16; Serial No. 245,455; published May 24, 1927.
Hats for women and children. Ogus, Rabinovich and Ogus, Inc. 231,351; Aug. 16; Serial No. 201,675; published May 24, 1927.
Hosiery. Baker-Moise Company. 231,253; Aug. 16; Serial No. 243,128; published May 17, 1927.
Hosiery. Bear Brand Hosiery Co. 231,133; Aug. 16; Serial No. 246,192; published May 17, 1927.
Hosiery. Bear Brand Hosiery Co. 231,142; Aug. 16; Serial No. 246,382; published May 24, 1927.
Hosiery. J. Casin & Co. 231,246; Aug. 16; Serial No. 242,412; published Apr. 19, 1927.
Hosiery. W. E. A. Frerichs. 231,267; Aug. 16; Serial No. 244,999; published May 17, 1927.
Hosiery. Frank R. Jelleff, Inc. 231,251; Aug. 16; Serial No. 242,996; published May 24, 1927.
Hosiery. Richmond Hosiery Mills. 231,455; Aug. 16.
Hosiery. Wilson Brothers. 231,131; Aug. 16; Serial No. 246,142; published May 17, 1927.
Hosiery and dress shirts. Whiteford Corporation. 231,141; Aug. 16; Serial No. 246,374; published May 17, 1927.
Hosiery, Knit. Max Pfau Hosiery Mill Inc. 231,270; Aug. 16; Serial No. 246,769; published May 24, 1927.
Hosiery, Ladies' full-fashioned. Berkshire Knitting Mills. 231,132; Aug. 16; Serial No. 246,147; published May 17, 1927.
Hosiery, underwear, negligees, sweaters, etc. Masterpiece Hosiery Mills. 231,422; Aug. 16; Serial No. 244,020; published May 24, 1927.
Hosiery, Women's. Society Maid Hosiery Company. 231,390; Aug. 16; Serial No. 246,641; published May 24, 1927.
Overalls, pants, and work shirts. W. H. Kessiah. 231,147; Aug. 16; Serial No. 246,416; published May 17, 1927.
Overcoats, topcoats, trousers, vests, and jackets. M. Hauptman, Inc. 231,277; Aug. 16; Serial No. 246,901; published May 24, 1927.
Raincoats. B. Fligel. 231,308; Aug. 16; Serial No. 245,900; published May 24, 1927.
Rompers. Pressman & Aaronson. 231,379; Aug. 16; Serial No. 245,517; published May 24, 1927.
Shirts, collars, blouses, knit underwear, etc. Simon-Rosenberg Shirt Corp. 231,255; Aug. 16; Serial No. 243,393; published May 24, 1927.
Shirts, Work. A. B. Frank Company. 231,316; Aug. 16; Serial No. 244,354; published May 24, 1927.
Shoes, Leather. Hurley Shoe Company. 231,157; Aug. 16; Serial No. 245,272; published May 24, 1927.
Shoes, Leather. Stone-Tarlow Co. Inc. 231,380; Aug. 16; Serial No. 245,522; published May 24, 1927.
Shoes, Rubber soles and heels for. J. C. Penney Company. 231,231; Aug. 16; Serial No. 246,980; published May 24, 1927.
Socks, shoes, slippers, underwear, etc. A. Garfunkel & Co. 231,320; Aug. 16; Serial No. 244,553; published May 24, 1927.
Suits and overcoats. Epstein Frank & Lochner Inc. 231,192; Aug. 16; Serial No. 246,020; published May 17, 1927.
Suits and overcoats. Henry Sonneborn Company. 231,361; Aug. 16; Serial No. 227,793; published May 17, 1927.
Suits and overcoats. Henry Sonneborn Company. 231,456; Aug. 16.
Suits and overcoats, Men's. Lion Dry Goods Company. 231,194; Aug. 16; Serial No. 246,034; published May 17, 1927.
Suits, Bathing. G. L. Hall. 231,432; Aug. 16; Serial No. 244,301; published May 17, 1927.
Suits, Men's and young men's. Middishade Company. 231,279; Aug. 16; Serial No. 246,920; published May 24, 1927.
Suits, overcoats, coats, trousers, vests, skirts, and dresses. Julian Goldman Stores, Inc. 231,193; Aug. 16; Serial No. 246,030; published May 24, 1927.
Sweaters, coats, dresses, etc., Knitted. Claire Knitting Mills, Inc. 231,421; Aug. 16; Serial No. 243,999; published May 17, 1927.
Sweaters, sweater coats, sport coats, and lumber jackets. Haymon Krupp & Co. 231,383; Aug. 16; Serial No. 245,564; published May 24, 1927.
Underwear. Carson Pirie Scott & Co. 231,342; Aug. 16; Serial No. 241,089; published May 3, 1927.
Underwear. Gotham Children's Underwear Co. 231,134; Aug. 16; Serial No. 246,204; published May 24, 1927.
Underwear for men and children, Textile fabric. McLoughlin Manufacturing Company. 231,248; Aug. 16; Serial No. 242,789; published May 17, 1927.

CLASS 42.

Canvas in the piece, Linen. James F. White & Co. Inc. 231,247; Aug. 16; Serial No. 242,699; published May 31, 1927.
Cotton and silk and cotton mixtures in the piece. E. Lichtig. 231,328; Aug. 16; Serial No. 238,381; published May 31, 1927.
Cotton goods, silk goods, etc. Jacob Miller's Sons Co. 231,445; Aug. 16.
Cotton piece goods. C. M. & H. London & Co. 231,338; Aug. 16; Serial No. 240,358; published May 31, 1927.

Cotton piece goods. Stein, Doblin & Co. 231,168; Aug. 16; Serial No. 247,831; published May 31, 1927.
Cotton sheetings. Columbus Manufacturing Company. 231,443; Aug. 16.
Rugs and carpets, Textile. O. Donelian & Co. 231,330–1; Aug. 16; Serial Nos. 238,573–4; published May 31, 1927.
Sheeting and drillings. Franklin Mills. 231,237; Aug. 16; Serial No. 248,170; published May 31, 1927.
Sheets and pillowcases, Textile. Androscoggin Mills. 231,272; Aug. 16; Serial No. 246,807; published May 31, 1927.
Textile upholstery padding. D. R. F. Fowler. 231,290; Aug. 16; Serial No. 230,664; published May 31, 1927.
Webbing, Wide elastic. Ansonia O & C Company. 231,165; Aug. 16; Serial No. 247,769; published May 31, 1927.

CLASS 44.

Belt, Electromagnetic health. Magna-Ray Co. 231,167; Aug. 16; Serial No. 247,800; published May 31, 1927.
False teeth, dentures, and restorations. L. B. Galhouse. 231,244; Aug. 16; Serial No. 242,287; published June 7, 1927.
Sanitary napkins. L. Deutsch. 231,166; Aug. 16; Serial No. 247,785; published May 31, 1927.

CLASS 45.

Beverages. Oxnard Soda & Distilled Water Co. 231,467; Aug. 16.
Ginger ale. White Sulphur Springs, Inc. 231,444; Aug. 16.
Ginger ale, Dry. O'Keefe's Beverages Limited. 231,450; Aug. 16.

CLASS 46.

Beans, Dried. Chatterton & Son. 231,260; Aug. 16; Serial No. 244,667; published May 31, 1927.
Biscuits. Bremner Bros. 231,235; Aug. 16; Serial No. 248,149; published June 7, 1927.
Butter. Miami Valley Cooperative Milk Producers Association. 231,400; Aug. 16; Serial No. 246,172; published May 31, 1927.
Butter and ice cream. Sheboygan Dairy Products Company. 231,439; Aug. 16.
Candies. J. S. Auerbach. 231,186; Aug. 16; Serial No. 245,824; published June 7, 1927.
Candy. J. S. Auerbach. 231,261; Aug. 16; Serial No. 244,736; published May 31, 1927.
Candy. Bissinger Candy Company. 231,359; Aug. 16; Serial No. 227,435; published June 7, 1927.
Candy. Geiger Candy Company. 231,216; Aug. 16; Serial No. 247,426; published June 7, 1927.
Candy and candy bars. Curtiss Candy Company. 231,339; Aug. 16; Serial No. 240,538; published May 31, 1927.
Canned and smoked fish. Van Camp Sea Food Co. Inc. 231,159; Aug. 16; Serial No. 247,650; published May 31, 1927.
Canned and smoked fish. Van Camp Sea Food Co. Inc. 231,221; Aug. 16; Serial No. 247,649; published June 7, 1927.
Canned fruits. United States Products Corporation. 231,324; Aug. 16; Serial No. 237,481; published May 31, 1927.
Canned fruits. Wenatchee Packing Corporation. 231,175; Aug. 16; Serial No. 247,982; published May 31, 1927.
Canned fruits. Wenatchee Packing Corporation. 231,176; Aug. 16; Serial No. 247,984; published May 31, 1927.
Canned fruits and fruit preserves, canned sea food, etc. J. T. Fargasen Grocer Co. 231,451; Aug. 16.
Canned fruits, berries, and vegetables. Gordon Canning Corporation. 231,238–9; Aug. 16; Serial Nos. 248,174–5; published June 7, 1927.
Canned milk. C. W. Zaring. 231,299; Aug. 16; Serial No. 234,328; published Nov. 23, 1926.
Canned vegetables. Cupp Grocery Company. 231,236; Aug. 16; Serial No. 248,160; published June 7, 1927.
Canned vegetables, berries, fruit, etc. Schwabacher Bros. & Co. Inc. 231,295; Aug. 16; Serial No. 232,433; published May 31, 1927.
Cereal food drink. Kopa Corporation. 231,436; Aug. 16; Serial No. 245,401; published May 24, 1927.
Coffee. B. H. Karmen. 231,250; Aug. 16; Serial No. 242,940; published June 7, 1927.
Coffee. Valley City Grocery Company. 231,449; Aug. 16.
Coffee and tea. Thomas J. Webb Co. 231,301; Aug. 16; Serial No. 235,240; published June 7, 1927.
Coffee, Green. J. Aron & Company. 231,240; Aug. 16; Serial No. 248,215; published June 7, 1927.
Coffee substitute. A. G. Ridgeway. 231,148; Aug. 16; Serial No. 246,437; published June 7, 1927.
Feed and mule feed, Horse. Grain Belt Mills Company. 231,223; Aug. 16; Serial No. 247,844; published May 31, 1927.
Feed and mule feed, Horse. Grain Belt Mills Company. 231,225; Aug. 16; Serial No. 247,847; published May 31, 1927.
Feed, Cow. City Mills Company. 231,288; Aug. 16; Serial No. 242,093; published June 7, 1927.
Feed, Dairy. Grain Belt Mills Company. 231,224; Aug. 16; Serial No. 247,846; published May 31, 1927.
Feed, Dairy. Grain Belt Mills Company. 231,226; Aug. 16; Serial No. 247,848; published May 31, 1927.
Feed, Horse and mule. Grain Belt Mills Company. 231,227; Aug. 16; Serial No. 247,850; published May 31, 1927.
Feed, Horse and mule. Grain Belt Mills Company. 231,228; Aug. 16; Serial No. 247,853; published May 31, 1927.
Fish. Fresh, canned, dried, salted, smoked, and frozen. Ripley Fish Co. 231,262; Aug. 16; Serial No. 244,788; published May 31, 1927.
Flour, Wheat. Commander Mill Company. 231,208; Aug. 16; Serial No. 233,812; published May 31, 1927.
Flour, Wheat. Dixie-Portland Flour Co. 231,274; Aug. 16; Serial No. 246,822; published May 31, 1927.
Flour, Wheat. Texas Star Flour Mills. 231,399; Aug. 16; Serial No. 246,134; published May 31, 1927.
Flour, Wheat. Walnut Creek Milling Co. 231,211; Aug. 16; Serial No. 247,230; published May 24, 1927.
Fruits, Dried. Sun-Maid Raisin Growers of California. 231,337; Aug. 16; Serial No. 240,102; published May 31, 1927.
Fruits, Fresh citrous. Ocala Fruit Packing Company. 231,269; Aug. 16; Serial No. 246,768; published June 7, 1927.
Fruits, Fresh citrous. Valentine Fruit Co. 231,263; Aug. 16; Serial No. 244,804; published June 7, 1927.
Fruits, Preserved. B. H. Karmen. 231,333; Aug. 16; Serial No. 239,179; published June 7, 1927.
Grains and fruits, Product made from. Kopa Corporation. 231,312; Aug. 16; Serial No. 245,400; published May 24, 1927.
Gum, Chewing. American Chicle Company. 231,160; Aug. 16; Serial No. 247,659; published May 31, 1927.
Haddock and toasted fillets, salt codfish, fish flakes, etc. Bay State Fishing Company. 231,162; Aug. 16; Serial No. 247,725; published June 7, 1927.
Meats, Smoked and cured. Kingan & Co. Incorporated. 231,291; Aug. 16; Serial No. 230,673; published May 31, 1927.
Milk tablets, Compressed malted. Kraft Milk Products Co. 231,196; Aug. 16; Serial No. 246,097; published May 31, 1927.
Oil dressing, Mineral. W. H. Niles. 231,438; Aug. 16.
Oil, Olive. Capsalis Brothers. 231,268; Aug. 16; Serial No. 246,330; published May 31, 1927.
Peaches and cucumbers. Del-Bay Farmers, Inc. 231,289; Aug. 16; Serial No. 230,229; published June 7, 1927.
Peanuts, Salted. E. F. Kemp. 231,217; Aug. 16; Serial No. 247,439; published May 31, 1927.
Wheat, Ground. A. Duetschler. 231,416; Aug. 16; Serial No. 247,606; published May 31, 1927.

CLASS 50.

Religious articles. Erhard & Söhne A. G. 231,294; Aug. 16; Serial No. 231,797; published June 7, 1927.

ALPHABETICAL LIST OF LABELS.

A Chest Full of Ginger Snaps. For Ginger Snaps. Bishop and Company. 32,576; Aug. 16.
Canadian Club. For Ginger Ale. Canadian Club Corporation. 42,579; Aug. 16.
Ceralene. For Floor Polish. Dajan Chemical Company. 32,582; Aug. 16.
Chuckles. For Candy. Fred W. Amend Co. 32,575; Aug. 16.
Collegiate. For Pyjamas. Greenebaum Bros. & Company. 32,585; Aug. 16.
Collegiate. For Shirts. Greenebaum Bros. & Company. 32,586; Aug. 16.
Collie. For Paper Products. Miller Brothers Company. 32,592; Aug. 16.
Collie Brand. For Paper Products. Miller Brothers Co. 32,594; Aug. 16.
Dr. Brown's Celery a Pure Carbonated Beverage. For Celery Compound. Schoneberger & Noble, Inc. 32,598; Aug. 16.
Dr. Brown's Mineral Water. For Mineral Water. Schoneberger & Noble, Inc. 32,599; Aug. 16.
Dr. Brown's Pale Dry Ginger Ale. For Ginger Ale. Schoneberger & Noble, Inc. 32,597; Aug. 16.
Dr. Brown's Wild Cherry Carbonated Beverage. For Carbonated Beverages. Schoneberger & Noble, Inc. 32,596; Aug. 16.
Dx-Tested. For Radio Tubes. Pacific Wholesale, Inc. 32,595; Aug. 16.
Economy Paint. For Paint. Economy Paint Mills. 32,583; Aug. 16.
Four Leaf Brand. For Clover Honey. E. M. Alexander. 32,574; Aug. 16.
Harriet Clark's Made-At-Home Chocolates. For Candy. E. J. Brach & Sons. 32,577; Aug. 16.
Jane Fair. For Infant Wear, Knitted Sweaters Made of Wool. Clawson & Wilson Company. 32,580; Aug. 16.
Kasko. For Malt Sirup. S. Kasser. 32,590; Aug. 16.
Pine-O-Cide. For Disinfectant. Hillyard Chemical Company. 32,588; Aug. 16.
Pleazall. For Candy. Alberta Candy Co. Inc. 32,573; Aug. 16.
Puritan. For Boys' Blouses. Greenebaum Bros. & Company. 32,587; Aug. 16.
Radiant. For Silver and Metal Polish. Midway Chemical Company. 32,591; Aug. 16.
Soap-Meal. For Powdered Soap. Insto Company. 32,589; Aug. 16.
Spring-Float Penetrating Oil. For Penetrating Oil. Western Utilities Company. 32,604; Aug. 16.
Sputa Fuoco. For Grapes. California Grape Products Co. 32,578; Aug. 16.
The Miller Brothers Co. For Paper Products. Miller Brothers Co. 32,593; Aug. 16.
Topaz Hosiery. For Hosiery. John M. Given Company. 32,584; Aug. 16.
Tuf-Tex. For Shirts. Crown Overall Mfg. Co. 32,581; Aug. 16.
Vegex Vims Yeast Vitamin Candy. For Candy. Vitamin Food Co. Inc. 32,601; Aug. 16.
Vig. For a Beverage Sirup. S. A. Tucker. 32,600; Aug. 16.
Western Cartridges. For Cartridges. Western Cartridge Company. 32,602; Aug. 16.
Western Rim Fire Cartridges. For Cartridges. Western Cartridge Company. 32,603; Aug. 16.

ALPHABETICAL LIST OF PRINTS.

Easy to Handle. Chandler Motor Cars. For Chandler Automobiles. C. C. Illers. 10,114; Aug. 16.
Have More Silk Dresses. For Silk Dresses. Jahraus-Braun Co. 10,115; Aug. 16.
The Salt Without a Fault. For Table, Dairy, and Common Salt. Michigan Salt Works. 10,116; Aug. 16.
They See the Box First. For Boxes. Hoague-Sprague Corporation. 10,113; Aug. 16.
Your Legs Will Thank You! Your Waist Will Thank You! Your Shoulders Will Thank You! For Garters, Belts, and Suspenders. Pioneer Suspender Company. 10,117; Aug. 16.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,638,905; Aug. 16.
Adams, Henry T., Chicago, Ill. Ring book. 1,639,361; Aug. 16.
Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Line-guide mechanism for fishing reels. 1,639,362; Aug. 16.
Adamson, Allan A. (See Fairchild, E. E., Adamson, and Morley.)
Addressograph Company. (See Duncan, J. S., and Hubbard, assignors.)
Afonin, Ivan R., Baku, Caucasus. Oil-storage tank. 1,639,625; Aug. 16.
Agrillo, John, and J. Daly, San Jose, Calif. Vehicle wheel tire. 1,639,207; Aug. 16.
Ahlvin, John E., Joliet, Ill. Edge planer. 1,639,420; Aug. 16.
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Ekström, G. C., and Johnson, assignors.)
Aktiebolaget Ljungströms Ångturbin. (See Ljungström, Fredrik, assignor.)
Albach, Frank, assignor to Fred Medart Manufacturing Company, St. Louis, Mo. Springboard. 1,639,323; Aug. 16.
Alberts, Melvin H., Battle Creek, Mich. Traffic-gate structure. 1,639,157; Aug. 16.
Alberts, Melvin H., Chicago, Ill. Traffic gate. 1,639,158; Aug. 16.
Alberts Mfg. Co., et al. (See Bogdonoff, Glenn, assignor.)
Alderman, Fairchild Company. (See Fairchild, E. E., Adamson, and Morley, assignors.)
Alibert, Emile, Paris, France. Automatic releasing and braking device for nailing machines. 1,638,906; Aug. 16.
Allen, Ernest, Groveland, Calif. Milk-can holder and contents dispenser. 1,639,249; Aug. 16.
Allen, William H., Detroit, Mich. Removal of coatings. 1,639,070; Aug. 16.
Alm, Joseph E., San Francisco, Calif. Expansible belt connecter. 1,639,250; Aug. 16.
Aluminum Company of America. (See Guyot, Marius, assignor.)
Aluminum Company of America. (See Welty, George D., assignor.)
American Boiler Life Company. (See Doe, Alfred G., assignor.)
American Dressler Tunnel Kilns, Inc. (See Dressler, Philip d'H., assignor.)
American Flatlite Company, The. (See Balsillie, John G., assignor.)
American Gasaccumulator Company. (See Johanson, Georg K. V., assignor.)
American Gypsum Company. (See Clark, Sidney C., assignor.)
American Hoist & Derrick Company. (See Sommer, William, assignor.)
American Laundry Machinery Company, The. (See Carroll, Emil J., assignor.)
American Laundry Machinery Company, The. (See Taylor, J. H., and Singiser, assignors.)
American Lock Nut Company. (See Hawley, Bates E., assignor.)
American Lock Nut Company. (See Lafever, George, assignor.)
American Optical Company. (See Tillyer, E. D., and Baker, assignors.)
American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)
American Steel Foundries. (See Kinne, Edmund P., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)
American Telephone and Telegraph Company. (See Johnson, H. B., and Eagon, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Thermos Bottle Company, The. (See Payson, A. E., and Hastedt, assignors.)
Anderson, Emil F., assignor to International Harvester Company, Chicago, Ill. Straw spreader. 1,639,447; Aug. 16.
Anderson, William A., Huntington Park, assignors to The Technical Glass Company, Incorporated, Los Angeles, Calif. Furniture knob. 1,639,159; Aug. 16.
Anson, Ruben, assignor of one-half to W. A. Femmer, Truxton, Mo. Church contribution chest. Des. 73,248; Aug. 16.
Antoine, Victor, Lambermont, near Ensival, Belgium. Eliminating water from the pulp on the wire of paper-making machines. 1,638,975; Aug. 16.
Apsit, Julius. (See Bastian, C. L., and Apsit.)
Arey, Ralph G., assignor to Worcester Bilt-Rite Company, Worcester, Mass. Windshield cleaner. 1,638,976; Aug. 16.
Arey, Ralph G., assignor to Worcester Bilt-Rite Company, Worcester, Mass. Windshield cleaner. 1,639,018; Aug. 16.
Armstrong, George J., Burkburnett, Tex. Sand pump. Re16,708; Aug. 16.
Arnold Electric Company. (See Flegel, Harrison D., assignor.)
Arnold Electric Company, The. (See Poplawski, Stephen J., assignor.)
Aronson, Louis V., Newark, N. J. Cigar lighter. 1,639,479; Aug. 16.
Art Aseptible Furniture Company. (See Krystofiak, Josef, assignor.)
Arthur, James F., Dickson City, Pa. Circulating-tube connection. 1,639,251; Aug. 16.
Arthur, James F., Dickson City, Pa. Circulating tube. 1,639,252; Aug. 16.
Ashbaugh, John H. (See Bradshaw, W. M., and Ashbaugh.)
Ashbaugh, John H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Overload protective device. 1,638,819; Aug. 16.
Ashbrook, Robert F., Waterbury, Conn. Mechanical-drawing demonstrator. 1,639,448; Aug. 16.
Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, Erich P. G., assignor.)
Atlas Metal Parts Company. (See Seyfert, John P., assignor.)
Atwater Kent Manufacturing Company. (See Kingsford, Russell T., assignor.)
Atwater Kent Manufacturing Company. (See MacFadden, Wilford C., assignor.)
Atwater Kent Manufacturing Company. (See Miller, John M., assignor.)
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Submarine craft. 1,638,817; Aug. 16.
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Forming submarine hulls. 1,638,818; Aug. 16.
Ault & Wiborg Company, The. (See Bragdon, Charles R., assignor.)
Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Swell-shutter-controlling mechanism. 1,639,324; Aug. 16.
Austin Organ Company, The. (See Austin, John T., assignor.)
Australian Lanoline Proprietary Limited. (See Avery, John, assignor.)
Auth, Emma L. (See Richardson, Henry F., assignor.)
Automatic Electric Inc. (See Jacobsen, Emil, assignor.)
Automotive Valves Co., The. (See Burtnett, Everett R., assignor.)
Autostrop Patents Corporation. (See Gaisman, Henry J., assignor.)
Autv, Frank, New York, N. Y. Mandrel. 1,639,019; Aug. 16.
Avery, John, Armadale, assignor to Australian Lanoline Proprietary Limited, Melbourne, Victoria, Australia. Treatment of liquids containing oil or fatty substances and the like. 1,638,977; Aug. 16.
Ayers, Loren W., San Bernardino, Calif. Centrifugal casting appliance. 1,639,253; Aug. 16.
Baar, Peter, Zeeland, Mich. Poultry perch. 1,639,020; Aug. 16.
Badger, William R., Hubbard, Ohio. Dental articulator. 1,639,626; Aug. 16.
Bailey, Raymond K., Nogales, Ariz. Nut-bowl fitting. 1,639,627; Aug. 16.
Baker, Arthur R., assignor to I. T. Swartz, Indianapolis, Ind. Thermostat control. 1,638,907; Aug. 16.

Baker, David B., Chicago, Ill., assignor to International Harvester Company. Internal-combustion engine. 1,639,449; Aug. 16.

Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,638,908; Aug. 16.

Baker, John F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Rotary furnace. 1,638,909; Aug. 16.

Baker, Nelson M. (See Tillyer, E. D., and Baker.)

Balcerzak, Frank, Milwaukee, Wis. Valveless two-cycle motor. 1,639,160; Aug. 16.

Balsillie, John G., Melbourne, Victoria, Australia, assignor, by mesne assignments, to The American Flatlite Company, Cincinnati, Ohio. Light-projecting reflector. 1,639,363; Aug. 16.

Balzarini, Felice. (See Fountain, A., Balzarini, and Thiel.)

Baratt, David, Roxbury, Mass. Method of and apparatus for bridge attachment. 1,638,820; Aug. 16.

Barker, Robert H., Chambersburg, Pa. Grain-scouring apparatus. 1,639,364; Aug. 16.

Farna, Emanuel E., Bratislava, Czechoslovakia. Adjustable wire mattress. 1,639,422; Aug. 16.

Barnhart, George E., Pasadena, Calif. Golf club. 1,639,547; Aug. 16.

Barnhart, George E., Pasadena, Calif. Golf club. 1,639,548; Aug. 16.

Barnhart, Harry J., assignor to The Osgood Company, Marion, Ohio. Steam shovel. 1,639,421; Aug. 16.

Basenau, Frederik, Amsterdam, Netherlands. Steam trap. 1,639,208; Aug. 16.

Bass, William L., New York, N. Y. Toilet article. 1,639,628; Aug. 16.

Bastian Blessing Company, The. (See Bastian, C. L., and Apsit, assignors.)

Bastian, Charles L., and J. Apsit, assignors to The Bastian Blessing Company, Chicago, Ill. Torch. 1,639,450; Aug. 16.

Bastien, Paul, Cleveland, Ohio. Brake-operating mechanism. 1,639,071; Aug. 16.

Batts, Carl T., Grand Rapids, Mich. Garment carrier. 1,639,021; Aug. 16.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company. Flexible coupling for shafts. 1,639,480; Aug. 16.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company. Flexible coupling. 1,639,481; Aug. 16.

Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)

Beaty, Floyd, et al. (See Patterson, Roy G., assignor.)

Becker, Alfred A., Lakewood, assignor to The George H. Bowman Company, Cleveland, Ohio. Wagon. 1,639,124; Aug. 16.

Bell, Ivan C., assignor to The Gulberson Corporation, Dallas, Tex. Tubing stripper. 1,639,209; Aug. 16.

Bell Telephone Laboratories, Incorporated. (See Johnson, H. B., and Eagon, assignors.)

Bellamy, Archibald J., Wolverhampton, assignor, by mesne assignments, to Egg Patents Limited, London, England. Egg-preservation process and product thereof. 1,639,549; Aug. 16.

Bender, Frederick C., Mineola, N. Y. Toy. 1,639,550; Aug. 16.

Bendix Brake Company. (See La Brie, Ludger E., assignor.)

Bendix Brake Company. (See McConkey, Montgomery W., assignor.)

Bendix Brake Company. (See Renaux, Eugène P., assignor.)

Benes, James W. (See Engstrom, E. F., and Benes.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Mfg. Co. (See Niemann, George F., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter device. 1,639,125; Aug. 16.

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Switch construction. 1,639,126; Aug. 16.

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Show-case lighting fixture. 1,639,127; Aug. 16.

Benner, Raymond C., Bayside, and H. F. French, Flushing, N. Y., assignors to The Prest-O-Lite Company, Inc. Storage cell and electrode therefor. 1,639,280; Aug. 16.

Berbaum, Henry F., Chicago, Ill. Stirrup pad. 1,639,073; Aug. 16.

Bergen, George B., sr., Milwaukee, Wis. Plastic process. 1,638,821; Aug. 16.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper box and the like. 1,639,281; Aug. 16.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Box-sealing machine and the like. 1,639,282; Aug. 16.

Bergstein, Samuel, assignor to The Interstate Folding Box Company, Middletown, Ohio. Box-making machine and the like. 1,639,283; Aug. 16.

Berry Shocker Incorporated. (See Yancey, S. H., and Dickinson, assignors.)

Bessiers, Marie. (See Carley, William J., assignor.)

Betz, Charles, St. Louis, Mo. Material-fastening device. 1,639,072; Aug. 16.

Betzler, Charles E., St. Louis, Mo. Advertising device. 1,639,482; Aug. 16.

Biebel, Herman M., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric resistance furnace. 1,638,822; Aug. 16.

Bigsby, Walter L. (See Williams, R. A., and Bigsby.)

Birkigt, Marc, Bois Colombes, France. Valve-gear-operating device. 1,639,583; Aug. 16.

Blackwood, Charles A., Kalamazoo, Mich. Canopy for chairs and the like. 1,639,074; Aug. 16.

Blanchard, Frederick C. (See Lea, Charles, assignor.)

Bleicher, John M. (See Hamilton, Louis W., assignor.)

Blomgren, Henry E., assignor to Rubber Shackle Company, Inc., Brooklyn, N. Y. Antirattler spring shackle. 1,639,636; Aug. 16.

Blumann Rare Earths Chemical Company. (See Blumenfeld, Joseph, assignor.)

Blumenfeld, Joseph, London, England, assignor to Blumann Rare Earths Chemical Company. Preparation of pigments and paints. 1,639,423; Aug. 16.

Boardman, Charles S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Joist hanger. 1,639,484; Aug. 16.

Boardman, Charles S., Pittsburgh, and J. W. Free, Woodlawn Borough, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Joist hanger. 1,639,483; Aug. 16.

Boehm, Max E. (See Sherbondy, F. G., and Boehm.)

Bogdonoff, Glenn, New York, N. Y., assignor of one-half to R. K. M. Mfg. Co., Newark, and one half to Alberts Mfg. Co., Inc., Hackensack, N. J. Tape reversing and feeding attachment for sewing machines. 1,638,823; Aug. 16.

Boggio, Giusto, Royalton, Ill. Figure toy. 1,638,910; Aug. 16.

Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Terminal. 1,639,161; Aug. 16.

Bold, Frederick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Aerial-bomb fuse. 1,639,075; Aug. 16.

Bone, William A., St. Albans, England. Production of activated nitrogen and of oxides of nitrogen therefrom. 1,639,584; Aug. 16.

Bonnette, Howard E. (See Born, S., Bonnette, and Walker.)

Boone, Doctor C., and J. T. Burkett, assignors of one-fourth to said Burkett, one-half to R. Q. Taylor, and one-fourth to W. C. Mitchell and J. C. Hurt, Welch, W. Va. Railway switch. 1,638,911; Aug. 16.

Booth, George A., assignor of one-half to E. J. Johnson, Holyoke, Mass. Curtain rod. 1,639,551; Aug. 16.

Born, Sidney, and H. E. Bonnette, Bartlesville, Okla., and J. C. Walker, Eldorado, Kans., assignors to Empire Gasoline Company, Dover, Del. Dehydrating oils. 1,639,325; Aug. 16.

Bosch, Carl, Ludwigshafen-on-the-Rhine, assignor, by mesne assignments, to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of fertilizers. 1,639,585; Aug. 16.

Bossard, Theodore, Salt Lake City, Utah, assignor to National Products Incorporated. Vacuum tank for motor vehicles. 1,639,254; Aug. 16.

Boucher, Edward H., Stillwater, N. Y. Fountain spray brush. 1,639,586; Aug. 16.

Bourdeau, Leon N., Rock Island, Ill. Curtain stretcher. 1,638,824; Aug. 16.

Bourne, Cedric A. (See Bourne, Frank and C. A.)

Bourne, Frank and C. A., London, England. Connecting device. 1,638,978; Aug. 16.

Bower, Roland. (See Sapp, James E., assignor.)

Bowers, Frank E., Indianapolis, Ind. Power washing machine. 1,639,255; Aug. 16.

Bowman, George H., Company, The. (See Becker, Alfred A., assignor.)

Brackett, John C., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Coal-cutting machine. 1,639,255; Aug. 16.

Bradshaw, William M., and J. H. Ashbaugh, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulator system. 1,638,825; Aug. 16.

Bragdon, Charles R., assignor to The Ault & Wilborg Company, Cincinnati, Ohio. Adhesive lacquer or varnish composition. 1,639,395; Aug. 16.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Steering mechanism for automotive vehicles. 1,639,284; Aug. 16.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,639,285; Aug. 16.

Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)

Brannigan, Edward J., Buffalo, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Removable furnace heating unit. 1,638,826; Aug. 16.

Brater, August W., New York, N. Y. Bedclothes holder. 1,638,912; Aug. 16.

Braughler, Floyd, Butler, Pa. Chair. Des. 73,249; Aug. 16.

Brenzinger, Julius, Fairchild, assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming machine. 1,639,552; Aug. 16.

Breslin, Margaret, Watertown, N. Y. Baby harness. 1,639,424; Aug. 16.

Brewster, Ruby T., New York, N. Y. Flacon. Des. 73,250; Aug. 16.

Britton, Claude G., et al. (See Hale, William H., assignor.)

Broking, Ada L., West New York, N. Y. Clothespin. 1,638,979; Aug. 16.

Brooks, John A., Detroit, Mich. Spraying device. 1,639,162; Aug. 16.

Brophy, John J., Salem, and G. E. McLaughlin, Brookline, Mass., assignors to The Turner Tanning Machinery Company, Portland, Me. Machine for measuring sheet material. 1,638,913; Aug. 16.

Brotz, Anton F., assignor to Kohler Company, Kohler, Brown & Bigelow. (See Harris, Blaine H., assignor.)

Brown and Brown, Inc. (See Brown, Chalmers S., assignor.)

Brown, Chalmers S., assignor to Brown and Brown, Inc., Lima, Ohio. Manhole step. 1,639,210; Aug. 16.

Brown Instrument Company, The. (See Brown, Richard P., assignor.)

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Compensating means for temperature-measuring instruments. 1,639,365; Aug. 16.

Brown, Sidney G., North Acton, London, England. Apparatus for transmitting or reproducing sound. 1,639,588; Aug. 16.

Brown, William M., Council, Idaho. Bath-brush holder. 1,639,366; Aug. 16.

Wis. Air-cooled engine. 1,639,022; Aug. 16.

Broyles, John E., assignor of one-half to H. E. Robertson and T. H. Weiler, Russellville, Mo. Superplane. 1,639,553; Aug. 16.

Brush, Abbott P., Greenwich, Conn. Direction and distance measuring instrument. 1,638,914; Aug. 16.

Bryant Electric Company, The. (See Stacey, William A., assignor.)

Buck, Cephas C., Sandpoint, Idaho. Fox feed trough. 1,639,554; Aug. 16.

Bunker, Darius W., Quincy, and R. W. Cummings, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,638,915; Aug. 16.

Burger, William A., Berkeley, assignor of one-half to H. P. Henningsen, Oakland, Calif. Folding bed. 1,639,163; Aug. 16.

Burgess Battery Company. (See Hodge, Howard D., assignor.)

Burkett, John T. (See Boone, D. C., and Burkett.)

Burnett, John W., Cambridge, Mass. Faucet. 1,639,326; Aug. 16.

Bursley, Edmund S. (See Davis, L. W., and Bursley.)

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,639,164; Aug. 16.

Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,639,165; Aug. 16.

Burton, Charles S., Oak Park, Ill. Container for music rolls and the like. 1,639,166; Aug. 16.

Burton, Edward L., Sandwich, Ill. Pneumatic hammer. 1,639,076; Aug. 16.

Butchart, Cuthbert S., Rye N. Y. Golf club. 1,638,916; Aug. 16.

Cadman, George L., Beloit, Wis. Differential gearing. 1,638,980; Aug. 16.

Cady, Sherman W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Disk harrow. 1,639,451; Aug. 16.

Cahn, Leon J., New York, N. Y. Fuse plug. 1,639,077; Aug. 16.

Cain, Emmett J., Lodi, Calif. Signal-operating mechanism. 1,638,827; Aug. 16.

Calco Chemical Company, The. (See Crossley, M. L., and Doit, assignors.)

California Walnut Growers Association. (See Hayes, Frank, assignor.)

Calumet Steel Company. (See Hook, Arthur S., assignor.)

Cameron Can Machinery Company. (See Cameron, William, assignors.)

Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Cap-thread-rolling machine. 1,639,367; Aug. 16.

Campo, James A., Woodridge, N. J. Nut lock. 1,639,211; Aug. 16.

Capolupo, Vincenzo, East Boston, Mass. Automatic fire-arm. 1,639,425; Aug. 16.

Carley, William J., assignor to M. Bessiers, Culpeper, Va. Wire clamp. Re16,704; Aug. 16.

Carling, Arthur, Hartford, Conn., assignor, by mesne assignments, to Reynolds Spring Company, Jackson, Mich. Electric snap switch. 1,638,828; Aug. 16.

Carlson, George H., assignor to Redin, Ekstrom & Co., Rockford, Ill. Routing machine. 1,639,485; Aug. 16.

Carlsson, Carl, Stockholm, Sweden. Carburetor for internal-combustion engines. 1,639,396; Aug. 16.

Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Refrigerating system. 1,639,023; Aug. 16.

Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic washing machine. 1,639,024; Aug. 16.

Carroll, Emil J., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic washing machine. 1,639,368; Aug. 16.

Carson, William W., jr., assignor, by mesne assignments, to The Fulton Syphon Company, Knoxville, Tenn. Temperature regulator. 1,639,286; Aug. 16.

Case, Francis M., Cleveland, assignor to The Enterprise Manufacturing Company, Akron, Ohio. Click mechanism for fishing reels. 1,639,629; Aug. 16.

Casner, Thaddeus S., Plainfield, N. J., assignor to Radio Electric Clock Corporation, New York, N. Y. Compound-pendulum clock. 1,638,917; Aug. 16.

Caswell, Dominick, Watertown, N. Y. Oil burner. 1,639,426; Aug. 16.

Caunce, Albert E. (See Pickard, R. H., Lloyd, and Caunce.)

Central Door and Lumber Company. (See De Penning, John C., assignor.)

Centrifix Corporation. (See Hawley, Charles G., assignor.)

Centrifix Corporation. (See Schutz, Joseph M., assignor.)

Chain Belt Company. (See Vinll, George K., assignor.)

Christianson, Adolph W., Burlington, Vt., and J. F. Milligan, Ridgefield Park, N. J., assignors to Globe Match Corporation. Match-packeting machine. 1,639,639; Aug. 16.

Christianson, Arnold and C., Hammond, Ind. Brake-head support. 1,639,256; Aug. 16.

Christianson, Christian. (See Christianson, Arnold and C.)

Church, Harold D., Cleveland Heights, assignora to The White Motor Company, Cleveland, Ohio. Headlight mounting. 1,639,486; Aug. 16.

Clark, Fred N., Hammond, Ind. Wire clamp. 1,638,918; Aug. 16.

Clark, Henry A., Old Harry, Magdalen Islands, Quebec, Canada. Shipping crate. 1,639,555; Aug. 16.

Clark, Sidney C., assignor to American Gypsum Company, Port Clinton, Ohio. Manufacturing wall board. 1,639,128; Aug. 16.

Cleveland, George B., Mobile, Ala. Signboard. 1,639,129; Aug. 16.

Clisson, Albert B., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Pressing-machine mechanism. 1,639,427; Aug. 16.

Clouse, William L., assignor to The National Machinery Co., Tiffin, Ohio. Wire-bending machine. 1,639,397; Aug. 16.

Coast, John W., jr., Tulsa, Okla., assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Apparatus for distilling oil. 1,639,327; Aug. 16.

Coates, William A., Chorlton-cum-Hardy, and D. R. Davies, Stretford, England, assignors to Westinghouse Electric and Manufacturing Company. Electrical switch gear. 1,638,919; Aug. 16.

Cobb, Edward S., Los Angeles, Calif. Temperature-regulating device for orchards. 1,639,257; Aug. 16.

Coberly, Clarence J., assignor to Kobe, Inc., Los Angeles, Calif. Turret tip for torches. 1,639,328; Aug. 16.

Coe, John E., Jamestown, N. Y. Ratchet wrench. 1,639,078; Aug. 16.

Cohen, Joseph H., Bridgeport, Conn. Electrical device and the manufacture thereof. 1,639,258; Aug. 16.

Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-heater unit. 1,638,829; Aug. 16.

Cole, Theodore S., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Art and apparatus for making storage-battery grids. 1,639,641; Aug. 16.

Cole, Theodore S., and S. Johnson, New Haven, Conn., assignors to The Safety Car Heating & Lighting Company. Art of and apparatus for making storage-battery plates. 1,639,640; Aug. 16.

Collis Company, The. (See Collis, Harold G., assignor.)

Collis, Harold G., assignor to The Collis Company, Clinton, Iowa. Apparauts for removing contents of egg cases. 1,639,487; Aug. 16.

Colliton, Norman L., Newport News, Va. Screen for automobiles. 1,639,589; Aug. 16.

Columbia Lighting Fixture Co. (See Peinlich, Max, assignor.)

Columbia Mills Incorporated. (See Whitmore, John P., assignor.)

Columbro, Angelo, Stockton, Calif. Continuous press. 1,638,981; Aug. 16.

Condit Electrical Manufacturing Corporation. (See Koch, Paul W., assignor.)

Connelly, Edward. (See Phillips, A. A., and Connelly.)

Conques, Joseph A., Le Vesinet, France. Dispensing device. 1,639,329; Aug. 16.

Conrad, George N. (See Miller, John A., assignor.

Continental Can Company. (See O'Neil, James H., assignor.)

Continental Scale Works. (See Weber, Mathias J., assignor.)

Cook, Adoniram J., Westerlo, N. Y., assignor to The P & M Company, Chicago, Ill. Two-piece rail anchor. 1,638,982; Aug. 16.

Corkran, Levin O., Rhodesdale, Md. Screen cleaner. 1,639,590; Aug. 16.

Cormier, Alfred J., Long Beach, Calif. Shock-absorbing means for vehicles. 1,639,369; Aug. 16.
Coutif, Georges, Paris, France. Tooth facing. 1,638,830; Aug. 16.
Coville, John E., assignor of one-third to T. W. McNichol and one-third to T. T. McNichol, Swampscott, Mass. Cutter head. 1,639,488; Aug. 16.
Cozzolino, Saverio, Bossburg, Wash. Refrigerator. 1,639,501; Aug. 16.
Cramer, Albert N., assignor to The Owens Bottle Company, Toledo, Ohio. Apparatus for transferring glass articles. 1,638,920; Aug. 16.
Cravath, Albert B., Holtville, Calif. Float-controlled faucet. 1,639,556; Aug. 16.
Creed, Frederick G., Croydon, England. Telegraphic transmitting apparatus. 1,639,212; Aug. 16.
Creed, Frederick G., Croyden, England. Telegraphic receiving apparatus. 1,639,213; Aug. 16.
Criqui, Charles A., and E. T. Larkin, Buffalo, N. Y.; said Larkin assignor to said Criqui. Power-transmission mechanism. 1,639,259; Aug. 16.
Crofoot, John B., Chicago, Ill. Stapler. 1,638,831; Aug. 16.
Crone, Francis G., Buffalo, N. Y. Tire-deflation indicator. 1,638,983; Aug. 16.
Crossley, Moses L., Boundbrook, and M. L. Dolt, Somerville, assignors to The Calco Chemical Company, Boundbrook, N. J. Lithium salt of 2-phenylquinoline-4-carboxylic acid and making the same. 1,638,832; Aug. 16.
Crossley, Moses L., Boundbrook, and M. L. Dolt, Somerville, assignors to The Calco Chemical Company, Boundbrook, N. J. Mercury salt of 2-phenylquinoline-4-carboxylic acid and producing the same. 1,638,833; Aug. 16.
Crossley, Moses L., Boundbrook, and M. L. Dolt, Somerville, assignors to The Calco Chemical Company, Boundbrook, N. J. Iron salt of 2-phenylquinoline-4-carboxylic acid and making the same. 1,638,834; Aug. 16.
Crowe, Paul L., Baltimore, Md. Grinding and separating apparatus. 1,639,214; Aug. 16.
Croyle, Frank C. (See Gowland, Fred W., assignor.)
Culhane, Patrick, Cleveland, Ohio, assignor, by mesne assignments, to W. T. Hensley, Indianapolis, Ind. Pulley. 1,639,489; Aug. 16.
Culhane, Patrick, Cleveland, Ohio, assignor, by mesne assignments, to W. T. Hensley, Indianapolis, Ind. Pulley. 1,639,490; Aug. 16.
Cummings, Alfred J., Kyabram, Victoria, Australia. Supporting attachment for trousers. 1,638,921; Aug. 16.
Cummings, Roy W. (See Bunker, D. W., and Cummings.)
Cunningham, Arthur B., Chicago, Ill. Radial averaging planimeter. 1,638,984; Aug. 16.
Cunningham, David F., Kansas City, Mo. Milk bottle. 1,639,398; Aug. 16.
Cunningham, Owen E. (See Cunningham, Thomas E. and O. E.)
Cunningham, Thomas E. and O. E., Minneapolis, Minn. Undergarment. 1,638,922; Aug. 16.
Curtiss Aeroplane & Motor Company. (See Gilmore, William L., assignor.)
Cushing, William C., Bristow, Okla. Plug for oil wells. 1,639,079; Aug. 16.
Custenborder, John M., Mackinaw, assignor to The Revo Manufacturing Co., East Peoria, Ill. Power take-off device. 1,639,630; Aug. 16.
Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lockett, Ralph G., assignor.)
Cutler-Hammer Mfg. Co., The. (See Seeger, Edwin W., assignor.)
Daly, Joseph. (See Agrillo, J., and Daly.)
Daly, Joseph P., Syracuse, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc. Motion-transmitting mechanism. 1,639,428; Aug. 16.
Daniel, Alexander, Cleveland, Ohio. Washing machine. 1,639,491; Aug. 16.
Daniel, Willie C., Louisa, Va. Floor-laying device. 1,638,985; Aug. 16.
Danielson, Daniel B., Milwaukee, Wis. Building construction. 1,639,399; Aug. 16.
Danielson, Rubin, Chicago, Ill. Concealable releasably-secured fishhook and bait. 1,638,928; Aug. 16.
Darrah, William A. (See Linn, Robert, assignor.)
Dastis, Louis H., Brooklyn, N. Y. Shoe-sole drier. 1,639,592; Aug. 16.
Davies, David R. (See Coates, W. A., and Davies.)
Davis, Albert J., New York, N. Y. Pasteurizing apparatus. 1,638,835; Aug. 16.
Davis, Alex B., Cincinnati, Ohio, assignor to A. B. Dick Company, Chicago, Ill. Manufacture of stencil sheets. 1,639,080; Aug. 16.
Davis, Emerson, assignor of one-half to G. P. Ruth, Indianapolis, Ind. Shock absorber and rebound check. 1,639,631; Aug. 16.
Davis, Leslie W., and E. S. Bursley, Dexter, Me. Automatic speed control for motor cars. 1,638,836; Aug. 16.
Davis, Zeb W., Houston, Tex. Internal-combustion motor. 1,639,287; Aug. 16.
Day, J. H., Company, The. (See Schiff, Sigmund, assignor.)
Dean, Henry A., assignor to Towers & Sullivan Manufacturing Co., Rome, Ga. Heel sweep and making the same. 1,639,593; Aug. 16.
De Bats, Jean H. L., East Orange, assignor to De Bats Metals Company, Bloomfield, N. J. Making alloys. 1,639,330; Aug. 16.
De Bats Metals Company. (See De Bats, Jean H. L., assignor.)
De Bord, Bert A. (See Williamson, L. S., and De Bord.)
Decker, Frank L., Kimble, Pa. Building form. 1,639,594; Aug. 16.
Deere & Company. (See Paul, William L., assignor.)
Degen, Walter, Fresno, Calif. Oil burner. 1,639,167; Aug. 16.
De Grassi, Mario, Philadelphia, Pa. Ground excavator. 1,639,215; Aug. 16.
Deitsch, Alan B., assignor to Deitsch Brothers, New York, N. Y. Traveling case. 1,638,837; Aug. 16.
Deitsch Brothers. (See Deitsch, Alan B., assignor.)
De Jay Trading Corporation. (See De Journo, Ernest, assignor.)
De Journo, Ernest, New York, N. Y., assignor, by mesne assignments, to De Jay Trading Corporation. Die-molding apparatus for making articles of plastic material. 1,639,081; Aug. 16.
De Lugo, Angelo, Englewood, N. J., and J. W. Robertson, Tuckahoe, N. Y. Reflector. Des. 73,251; Aug. 16.
Denault, Albert H., Sault Ste. Marie, Ontario, Canada. Incubator. 1,639,025; Aug. 16.
De Penning, John C., Portland, Oreg. Sanding machine. 1,639,210; Aug. 16.
De Penning, John C., assignor to Central Door and Lumber Company, Portland, Oreg. Method of patching. 1,639,082; Aug. 16.
De Penning, John C., assignor to Central Door and Lumber Company, Portland, Oreg. Panel clamp. 1,639,083; Aug. 16.
Deroche, Joseph W., Sanford, Me. Power-transmitting mechanism. 1,639,260; Aug. 16.
Det Norske Aktieselskab for Elektrokemisk Industri of Norway. (See Sem, Mathias O., assignor.)
Devereaux, William C., Detroit, Mich. Door latch. 1,639,400; Aug. 16.
Devereaux, William C., Detroit, Mich. Rotary bolt and striker plate for automobile door latches. 1,639,401; Aug. 16.
De Zeng, Henry L., Geneva, N. Y., assignor to De Zeng Standard Company, Camden, N. J. Diagnostic instrument. 1,638,986; Aug. 16.
De Zeng Standard Company. (See De Zeng, Henry L., assignor.)
Diamond, Henry, Brooklyn, N. Y. Hat-block clamp. 1,639,331; Aug. 16.
Dick, A. B., Company. (See Davis, Alex B., assignor.)
Dickinson, Harry S. (See Yancey, S. H., and Dickinson.)
Diehl, Harry L., Chicago, Ill. String-maker's peg. 1,639,026; Aug. 16.
Dodge, Lysander H., Huntington Beach, Calif. Follower block for filing drawers. 1,638,987; Aug. 16.
Dodge, Merton L. (See Troyer, N., and Dodge.)
Doe, Alfred G., Quincy, assignor to American Boiler Life Company, Inc., Boston, Mass. Antiscale material for boilers. 1,639,027; Aug. 16.
Doherty Research Company. (See Coast, John W., jr., assignor.)
Dolt, Maurice L. (See Crossley, M. L., and Dolt.)
Doroszynski, Casimir, Chicago, Ill. Roasting oven. 1,639,168; Aug. 16.
Dorsey, Arthur. (See Shapiro, Sam A., assignor.)
Drake, John L., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,639,452; Aug. 16.
Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle-box tension-controlling mechanism for looms. 1,639,595; Aug. 16.
Dressler, Philip d'Huc, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio. Reciprocating car kiln. 1,638,988; Aug. 16.
Dritz, Arthur M., New York, N. Y. Amusement device. 1,639,596; Aug. 16.
Dromgold, Loy S. (See Glenn, H. A., and Dromgold.)
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. Condenser. 1,639,597; Aug. 16.
Dufwa, Frederick W., Mexico, Mexico. Internal-combustion engine. 1,639,217; Aug. 16.
Duisburger-Kupwerhutte. (See Mattenklodt, K., and Schramm, assignors.)
Dunbar, Francis F. (See Holcombe, J. R., and Dunbar.)
Duncan, Joseph S., and H. E. Hubbard, assignors to Addressograph Company, Chicago, Ill. Ribbon spool. 1,638,989; Aug. 16.
Dunning, Paul C. (See Hamilton, William J., assignor.)
Dunsweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery container. 1,639,492; Aug. 16.
Durand & Huguenin S. A. (See Wolfram, Arthur, assignor.)
Eagon, Lloyd. (See Johnson, H. B., and Eagon.)
Ebersol, Eugène, assignor to Society Freres Koechlin, Mulhouse, Haut-Rhin, France. Printing upon textile fabrics. 1,639,218; Aug. 16.
Eckerlein, Eugène L., Paris, France. Toilet seat. 1,639,219; Aug. 16.
Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Automobile clock. 1,639,598; Aug. 16.

Eden, James A., jr., Springfield, Mass., assignor to W. H. Foster, New York, N. Y. Cutter head. 1,639,028; Aug. 16.
Edwards, C. Elmer, Co. (See Edwards, Charles E., assignor.)
Edwards, Charles E., Manchester, N. H., assignor to C. Elmer Edwards Co., Inc. Method of and apparatus for marking shoe-upper sections. 1,639,332; Aug. 16.
Egg Patents Limited. (See Bellamy, Archibald J., assignor.)
Ekström, Gunnar C., Stockholm, and B. A. E. Johnson, Appelviken, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Portioning cigarettes or other staff-shaped articles for the packing of the same. 1,639,420; Aug. 16.
Elder, Donald, Onehunga, New Zealand. Spraying nozzle. 1,639,220; Aug. 16.
Electric Controller Company. (See Goldberg, Arthur M., assignor.)
Elliott, John M., Rimini, S. C. Wrench. 1,638,990; Aug. 16.
Emerson, Ralph R., Brooklyn, N. Y., assignor to Hoffman Specialty Company, Waterbury, Conn. Heating system. 1,639,084; Aug. 16.
Empire Gasoline Company. (See Born, S., Bennette, and Walker, assignors.)
Endo, Kotaro, Tokyo, Japan. Water-tube boiler. 1,638,924; Aug. 16.
Engelson, David H., Brooklyn, N. Y. Radio dial escutcheon plate. Des. 73,252; Aug. 16.
Engstrom, Ernst F., Maywood, and J. W. Benes, Hollywood, assignors to Everhot Manufacturing Company, Maywood, Ill. Torch. 1,639,169; Aug. 16.
Enadorf, Walter. (See Sandberg, J., and Enadorf.)
Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
Enterprise Manufacturing Company, The. (See Case, Francis M., assignor.)
Erickson, John C., Marathon, Iowa. Motor mounting for corn harvesters. 1,639,402; Aug. 16.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. High-frequency signaling system. 1,638,925; Aug. 16.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Etner, Lyle L. (See Livingston, Charley W., assignor.)
Evans, Benjamin A. (See Jaquith, W. E., Evans, and Foerstner.)
Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Operating mechanism for electric controllers. 1,638,838; Aug. 16.
Everhot Manufacturing Company. (See Engstrom, E. F., and Benes, assignors.)
Fairchild, Elmer E., A. A. Adamson, and C. F. Morley, assignors to Alderman, Fairchild Company, Rochester, N. Y. Sheet-feeding mechanism. 1,639,221; Aug. 16.
Farmer, Charles K., assignor of one-half to F. Z. Pentlind, Grand Rapids, Mich. Table support. 1,638,839; Aug. 16.
Federal Foundry Supply Company, The. (See Reilly, Thomas A., assignor.)
Feinen, Nicholas, Buffalo, N. Y. Time switch. 1,638,926; Aug. 16.
Fell, William, assignor to Visible Gasoline Filter Company, Chicago, Ill. Gasoline filter. 1,639,170; Aug. 16.
Femmer, William A. (See Anson, Ruben, assignor.)
Ferguson, Roy N., Los Angeles, Calif. Expanding rotary bit. 1,639,222; Aug. 16.
Ferngren, Enoch T., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Sheet-glass width-maintaining shield. 1,639,453; Aug. 16.
Fischer, Charles, New York, N. Y. Boudoir lamp. 1,639,493; Aug. 16.
Fischer, Ferdinand, Berlin, Germany. Printing plate and production thereof. 1,639,171; Aug. 16.
Fischer, Hermann. (See Green, Henry, assignor.)
Fishbein, Rubin, New York, N. Y. Hand bag. 1,639,454; Aug. 16.
Fisher Automatic Brush Machine Company, The. (See Fisher, Charles E., assignor.)
Fisher, Charles E., Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company, Inc., Baltimore, Md. Brush-making machine. 1,639,557; Aug. 16.
Fisher, Joseph K., Santa Monica, Calif., assignor to J. E. Ogden, Mountainville, N. Y. Expansion shield. 1,639,223; Aug. 16.
Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Making selvaged-edged fabrics. 1,639,224; Aug. 16.
Fitzgerald Mfg. Co., The. (See Fitzgerald, Maurice F., assignor.)
Fitzgerald Manufacturing Company, The. (See Reichold, Ludwig, assignor.)
Fitzgerald, Maurice F., Winsted, assignor to The Fitzgerald Mfg. Co., Torrington, Conn. Electric toasting device. 1,639,403; Aug. 16.
Fixel, Arthur E., Detroit, Mich. Safety device for aeroplanes. 1,638,840; Aug. 16.
Flanders, Warren B., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Clearance indicator for turbines. 1,639,494; Aug. 16.
Flegel, Harrison D., assignor to Arnold Electric Company, Racine, Wis. Dispenser. 1,639,370; Aug. 16.
Flemming, Thomas, Ottawa, Ontario, Canada. Door-operating means. 1,639,130; Aug. 16.
Foerstner, George. (See Jaquith, W. E., Evans, and Foerstner.)
Fohey, Maurice B., Los Angeles, Calif. Combined advertising bench, waste-paper receptacle, and automat stand. 1,639,085; Aug. 16.
Folb, David, Akron, Ohio. Dental flask. 1,639,404; Aug. 16.
Forcada, Pedro V., Barcelona, Spain. Radiator. 1,639,172; Aug. 16.
Ford Henry, Dearborn, Mich. Explosive engine. 1,639,333; Aug. 16.
Ford, Henry, Dearborn, Mich. Crank and pitman mechanism. 1,639,334; Aug. 16.
Foster, Julius E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic synchronous-converter system. 1,638,841; Aug. 16.
Foster, Walter H. (See Eden, James A., jr., assignor.)
Fountain, Adolph, F. Balzarini, and T. Thiel, San Francisco, Calif. Reflanging tool. 1,639,173; Aug. 16.
Frame, William S., Schenectady, N. Y. Manhole. 1,639,495; Aug. 16.
Francis, Louis, Miami, Fla. Paint formula. 1,639,599; Aug. 16.
Frederick Iron and Steel Company, The. (See Winkle, George J., assignor.)
Fredrick, Joseph P., assignor of one-half to A. J. Lurie, Chicago, Ill. Door lock. 1,639,086; Aug. 16.
Free, John W. (See Boardman, C. S., and Free.)
Freeman, Lowell C., assignor to Hupp Motor Car Corporation, Detroit, Mich. Seat construction. 1,639,371; Aug. 16.
Frellino, Secondo, Leechburg, Pa. Household food cutter. 1,638,991; Aug. 16.
French, Harry F. (See Benner, R. C., and French.)
Friedberger-Aaron Manufacturing Company. (See Haines, Joseph A., assignor.)
Friedrich, Edward, San Antonio, Tex. Refrigerator display case. Des. 73,253; Aug. 16.
Frierson, Carrie B., Cleveland, Miss. Headlight attachment. 1,639,600; Aug. 16.
Friction Power Corporation Limited. (See McPherson, Charles, assignor.)
Frobish, William E., Columbus, Kans. House-flue jacket. 1,639,558; Aug. 16.
Fröhlich, Fritz, Breslau, Germany. Buttonhole-sewing apparatus. 1,639,405; Aug. 16.
Fulkerson, William C., Buechel, Ky. Pedal attachment. 1,638,927; Aug. 16.
Fulton Brick Works. (See Reams, Joseph A., assignor.)
Fulton Company, The. (See Kinnard, James A., assignor.)
Fulton Syphon Company, The. (See Carson, William W., jr., assignor.)
Gaines, Artimus C., Portland, Oreg. Valve. 1,639,372; Aug. 16.
Gairing, Emil, assignor to Gairing Tool Company, Detroit, Mich. Device for exhibiting tools. 1,638,928; Aug. 16.
Gairing Tool Company. (See Gairing, Emil, assignor.)
Gaisman, Henry J., New York, N. Y., assignor to Autostrop Patents Corporation, Dover, Del. Blade holder. 1,639,335; Aug. 16.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making hollow rubber articles. 1,639,430; Aug. 16.
Gannett, Homer E., Berwyn, Ill. Lamp mounting. 1,639,336; Aug. 16.
Gard, Earle W. (See Rial, W. D., and Gard.)
Gardiner, Henry C., Anaconda, Mont. Timber preservation. 1,639,601; Aug. 16.
Garnett, James M. (See Laks, J., and Garnett.)
Garrigues, William C., assignor to The Williams Foundry and Machine Company, Akron, Ohio. Tire. Des. 73,254; Aug. 16.
Garrigues, William C., assignor to The Williams Foundry and Machine Company, Toledo, Ohio. Tire. Des. 73,255; Aug. 16.
Gas Research Company, The. (See Smith, Harry F., assignor.)
Gatch, Milton W., Baltimore, Md. Fly swatter. 1,639,559; Aug. 16.
Gatial, George, assignor of one-half to S. Matiasko, Tarentum, Pa. Cushion tire. 1,639,175; Aug. 16.
Gay, Henry, Newark, N. J. Toy parachute. 1,639,602; Aug. 16.
Gendron Wheel Company. (See Nauts, Frank A., assignor.)
General Chemical Company. (See Gillett, Lowry, assignor.)
George, Ellwyn de L., Canon City, Colo. Multiple-arch sling. 1,638,842; Aug. 16.
Gerber, Wilhelm, Krefeld, Germany. Machine for stretching hanks or skeins. 1,638,843; Aug. 16.
Giardino, Joseph F. (See Giardino, Liborio G. and J. F.)
Giardino, Liborio G. and J. F., Brockton, Mass. Flushing mechanism. 1,639,288; Aug. 16.
Gibson, Harry, Los Angeles, Calif. Garment hanger. 1,638,844; Aug. 16.
Gillett, Lowry, Syossett, assignor to General Chemical Company, New York, N. Y. Sulphur burner. 1,638,992; Aug. 16.

Gilmore, William L., Mineola, assignor to Curtiss Aeroplane & Motor Company, Incorporated, Garden City, N. Y. Aeroplane. 1,639,029; Aug. 16.
Ginsburg, Henry, New York, N. Y., assignor to Roach-Appleton Manufacturing Company, Chicago, Ill. Outlet-box support. 1,639,496; Aug. 16.
Gleason, William P. (See Mesker, J. W., and Gleason.)
Glenn, Howard A., and L. S. Dromgold, Chicago, Ill. Hopper for refrigerating cars. 1,639,176; Aug. 16.
Globe Match Corporation. (See Christianson, A. W., and Milligan, assignors.)
Glotfelty, W. Bruce. (See Howe, Charles A., assignor.)
Glover, William C., Kansas City, Mo. Apparatus for reclaiming used gasoline. 1,639,373; Aug. 16.
Godley, Charles E., Detroit, Mich., assignor, by mesne assignments, to C. M. Hall Lamp Company. Combination tail lamp. 1,639,497; Aug. 16.
Goeser, Edwin W., Los Angeles, assignor to Union Tool Company, Torrance, Calif. Drill-stem roller driving bushing. 1,639,337; Aug. 16.
Goggin, David E., New York, N. Y. Varnish fire. 1,638,845; Aug. 16.
Gold, Egbert H., Chicago, Ill. Car-heating system. 1,639,338; Aug. 16.
Goldberg, Arthur M., assignor to Electric Controller Company, Indianapolis, Ind. Thermostatic switch for incubators. 1,639,374; Aug. 16.
Goldsmith, Bertram J., and E. Koeb, New York, assignors to Perfect Window Regulator Corporation, Long Island City, N. Y. Window and operating means therefor. 1,639,455; Aug. 16.
Golinick, Paul A., assignor to Spiegel, May, Stern Co., Chicago, Ill. Listing attachment for addressing machines. 1,639,131; Aug. 16.
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodrich, B. F., Company, The. (See Jaquith, W. E., Evans, and Foerstner, assignors.)
Goodyear Tire & Rubber Company, The. (See Schrock, Charles I., assignor.)
Gouldbourn, Joseph, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 1,638,929; Aug. 16.
Gourley, William F., Good Pine, La. Wrench. 1,639,177; Aug. 16.
Gowland, Fred W., assignor of one-half to F. C. Croyle, Philipsburg, Pa. Spark-plug-testing device. 1,639,603; Aug. 16.
Grace, John F., Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Expansion joint for turbine and condenser connections. 1,639,225; Aug. 16.
Grahame, Dallas F., Toronto, Ontario, Canada, assignor, by mesne assignments, to Riley Stoker Corporation, Worcester, Mass. Drive for stokers. 1,639,067; Aug. 16.
Grass, George W., Milwaukee, Wis. Outboard motor. 1,639,339; Aug. 16.
Grasselli Dyestuff Corporation. (See Kahn, M., and Mayer, assignors.)
Gray, Joseph H., St. Joseph, Mo. Device for aligning wheels. 1,639,604; Aug. 16.
Green, Henry, Union Hill, N. J., assignor to H. Fischer, New York, N. Y. Radio loud speaker. 1,639,036; Aug. 16.
Greenberg, Arthur S., New York, N. Y. Adjustable extension for treadles. 1,639,375; Aug. 16.
Greene, Albert E., Seattle, Wash. Combination induction furnace. 1,639,340; Aug. 16.
Greene, Frederick E., assignor to The Greist Manufacturing Company, New Haven, Conn. Outside door handle. Des. 73,256; Aug. 16.
Greene, Oscar V., Cleveland, Ohio. Air filter. 1,639,132; Aug. 16.
Greene, Oscar V., Cleveland, Ohio. Filter element. 1,639,133; Aug. 16.
Greist Manufacturing Company, The. (See Greene, Frederick E., assignor.)
Groff, Aaron, St. Paul, Minn. Folded paper napkin. 1,639,031; Aug. 16.
Grolan Manufacturing Company, The. (See Groves, Frank A. and J. F., assignors.)
Gross, Edward H., Stamford, Conn. Temperature control of the air constituent of fuel for explosive engines. 1,639,032; Aug. 16.
Groves, Frank A. and J. F., assignors to The Grolan Manufacturing Company, Dayton, Ohio. Gasoline gauge. 1,639,341; Aug. 16.
Groves, John F. (See Groves, Frank A. and J. F.)
Grubman Engineering & Manufacturing Co. (See Grubman, Leo J., assignor.)
Grubman, Leo J., Belle Harbor, assignor to Grubman Engineering & Manufacturing Co., Inc., Long Island City, N. Y. Forming eye openings in the heads of dolls and other figure toys. 1,639,033; Aug. 16.
Gulberson Corporation, The. (See Bell, Ivan C., assignor.)
Guillet, Amédée V. J., Paris, France. Stroboscope with vibrating cord. 1,639,178; Aug. 16.
Guinsburg, Edwin A. (See Henry, Beulah L., assignor.)
Gunn, John W., Jersey City, N. J. Automobile signal casing. Des. 73,257; Aug. 16.
Gurney, Erving R. (See Masury, A. F., and Gurney.)
Guyot, Marius, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Multipart core. 1,638,846; Aug. 16.
Guy-Pell, William, London, England. Gas heated and radiating element. 1,639,605; Aug. 16.
Haegler, Henry W., Lyon, France. Nail and like straightening device. 1,639,289; Aug. 16.
Haendel, William, West Bend, Wis. Novelty device. 1,639,034; Aug. 16.
Haines, Joseph A., assignor, by mesne assignments, to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Connecter for garment bands. 1,639,226; Aug. 16.
Hale, William H., assignor of one-fourth to C. G. Britton and one-fourth to S. Randall, Pittsburgh, Pa. Paper-hanging device. 1,639,134; Aug. 16.
Hall, C. M., Lamp Company. (See Godley, Charles E., assignor.)
Hall, William A., Chicago, Ill. Combined casket, skid, and dolly. 1,639,035; Aug. 16.
Hamel, Peter, Berlin, N. H. Smoke cleaner. 1,639,179; Aug. 16.
Hamilton, Louis W., assignor of one-half to J. M. Bleicher, Kenosha, Wis. Washing machine. 1,639,180; Aug. 16.
Hamilton, William J., Kenmore, assignor of one-half to P. C. Dunning, Buffalo, N. Y. Hunting boot. 1,639,500; Aug. 16.
Hansen, Francis F., assignor to The Star Shutter Company, Chicago, Ill. Shutter cover for radiators. 1,638,847; Aug. 16.
Hanson, Roy E., assignor of one-half to B. Jones, Los Angeles, and one-half to J. B. Morey, Culver City, Calif. Flow indicator. 1,639,342; Aug. 16.
Hargrave, John M., Cincinnati, Ohio. Clamp. 1,638,848; Aug. 16.
Hargrave, John M., Cincinnati, Ohio. Clamp. 1,639,561; Aug. 16.
Harris, Blaine H., assignor to Brown & Bigelow, St. Paul, Minn. Shoe-display stand. 1,639,290; Aug. 16.
Hart, William E., near San Jose, Calif. Vacuum fuel-feed tank. 1,639,181; Aug. 16.
Hartley, Ellis, assignor to Whitin Machine Works, Whitinsville, Mass. Apparatus for spinning yarn. 1,639,406; Aug. 16.
Hartley, Ralph V. L., South Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Modulation system. 1,638,993; Aug. 16.
Hartmann, Otto H., assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Boiler for movable steam-power plants. 1,639,088; Aug. 16.
Hastedt, William R. (See Payson, A. E., and Hastedt.)
Hatke, Alphonsus H. (See Schlueter, H. R., and Hatke.)
Hatton, Hugh B., jr., Glendale, Calif. Gas-control cock. 1,639,431; Aug. 16.
Haverstick, Earl J., Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making resistor elements. 1,638,849; Aug. 16.
Hawley, Bates E., Vancouver, assignor to American Locknut Company, Longview, Wash. Lock nut. 1,639,637; Aug. 16.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,639,562; Aug. 16.
Hayes, Frank, El Monte, assignor to California Walnut Growers Association, Los Angeles, Calif. Branding machine. 1,639,291; Aug. 16.
Hays, B D, Fort Worth, Tex. Tilting carrier. 1,639,563; Aug. 16.
Hays, B D, Fort Worth, Tex. Tilting package carrier. 1,639,606; Aug. 16.
Heard, William A., Jacksonville, Fla. Vanity case. Des. 73,258; Aug. 16.
Hebrank, William F., Highland, Ill., assignor to Pet Milk Company, St. Louis, Mo. Can-printing machine. 1,638,850; Aug. 16.
Hendrickson, Norton T., and C. Roholt, Hoople, N. Dak. Fly swatter. 1,639,292; Aug. 16.
Henningsen, Hans P. (See Burger, William A., assignor.)
Henry, Beulah L., assignor of one-half to E. A. Guinsburg, New York, N. Y. Water-sport apparatus. 1,639,607; Aug. 16.
Henry, Jules L., Ysleta, Tex. Land leveling machine. 1,639,182; Aug. 16.
Hensley, William T. (See Culhane, Patrick, assignor.)
Hensley, William T., Marion County, Ind. Pulley. 1,639,498; Aug. 16.
Hensley, William T., Indianapolis, Ind. Pulley. 1,639,499; Aug. 16.
Hensley, William T., Indianapolis, Ind. Split pulley. 1,639,500; Aug. 16.
Hensley, William T., Indianapolis, Ind. Making pulleys. 1,639,501; Aug. 16.
Hensley, William T., Indianapolis, Ind. Split pulley. 1,639,502; Aug. 16.
Hensley, William T., Indianapolis, Ind. Pulley. 1,639,503; Aug. 16.
Hensley, William T., Indianapolis, Ind. Pulley. 1,639,504; Aug. 16.
Hensley, William T., Indianapolis, Ind. Pulley. 1,639,505; Aug. 16.
Hentsch, Eugen, Frauenfeld, Switzerland. Eye protector. 1,638,851; Aug. 16.

Herman, Joseph, New York, N. Y., assignor to American Telephone and Telegraph Company. Voltage regulator for vacuum tubes. 1,638,930; Aug. 16.
Hesse, Paul F., Valley Falls, R. I. Curved corded-edge tape for shoes. 1,639,376; Aug. 16.
Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener. 1,639,293; Aug. 16.
Hilger, William B., Riverton, Iowa. Cylinder for gasoline engines. 1,638,852; Aug. 16.
Hippie, William H. J., jr., Philadelphia, Pa. Cigarette-extinguishing ash tray. 1,639,036; Aug. 16.
Hitt, Thomas G., Seattle, Wash. Firecracker. 1,638,994; Aug. 16.
Hodge, Howard D., New York, N. Y., assignor to Burgess Battery Company, Madison, Wis. Dry-cell electrode. 1,638,995; Aug. 16.
Hoffman, Dorothy B. (See Larson, Edward, assignor.)
Hoffman Specialty Company. (See Emerson, Ralph R., assignor.)
Hofland, Christian, Newburg, N. Dak. Hitch for draft animals. 1,639,608; Aug. 16.
Hofland, Christian, Newburg, N. Dak. Coupling. Aug. 16.
Holcombe, Jolly R., Columbia, S. C., and F. F. Dunbar, Augusta, Ga. Apparatus for tilting automobiles. 1,638,931; Aug. 16.
Hollingshead, Arthur J., North Olmsted, Ohio. Automobile body construction. 1,639,037; Aug. 16.
Holman, Edward E., Portland, Oreg. Air core transformer. 1,638,996; Aug. 16.
Holorib, Inc. (See Loucks, James F., assignor.)
Hommel, Leon, Oakland, Calif. Furring and fastening device. 1,638,853; Aug. 16.
Hoobler, George B., Norwood, Ohio. Fixture hanger. 1,639,432; Aug. 16.
Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-positioning device. 1,638,932; Aug. 16.
Hook, Arthur S., Oak Park, assignor to Calumet Steel Company, Chicago, Ill. Fence post. 1,639,638; Aug. 16.
Hooper, Lester B., Columbus, Ohio, assignor to United Shoe Machinery Corporation, Paterson, N. J. Chip deflector for skiving machines. 1,638,933; Aug. 16.
Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Tire spreader. 1,638,997; Aug. 16.
Hornauer, Willy, Neukolln, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Controlling device for electromagnetic talking machines. 1,638,998; Aug. 16.
Hornauer, Willy, Neukolln, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Magnet carrier for electromagnetic talking machines. 1,638,999; Aug. 16.
Horton, Joseph W., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave modulation. 1,639,000; Aug. 16.
Hotstream Heater Company, The. (See Mendelson, Louis R., assignor.)
Howe, Charles A., Pittsburgh, assignor of one-half to W. Bruce Glotfelty, Sharpsburg, Pa. Automatic safety appliance. 1,638,934; Aug. 16.
Hubbard, Henry E. (See Duncan, J. S., and Hubbard.)
Huber, Frank, Middletown, Ind. Dispensing apparatus. 1,639,564; Aug. 16.
Hudson, Herbert D., Minneapolis, Minn. Sprayer. 1,639,294; Aug. 16.
Hughes, Hugh T., Cleveland, assignor to The Wadsworth Core Machine & Equipment Company, Akron, Ohio. Tire-spreading device. 1,639,506; Aug. 16.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. Des. 73,259; Aug. 16.
Hunker, Martin L. (See Wendle, V. P., and Hunker.)
Hupp Motor Car Corporation. (See Freeman, Lowell C., assignor.)
Hurt, John C., et al. (See Boone, D. C., and Burkett, assignors.)
Hutchison, Francis A., Wimbledon Park, England. Detachable heel for boots, shoes, clogs, and the like footwear. 1,639,433; Aug. 16.
Hutton, Henry T., Donaghadee, Ireland. Lock nut. 1,639,407; Aug. 16.
I. & C. Company. (See Packer, Eben R., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Bosch, Carl, assignor.)
Ideal Heating Equipment Company, The. (See Preston, Bruce B., assignor.)
Ile, William, assignor to Reynolds Spring Company, Jackson, Mich. Double lamp socket. 1,638,935; Aug. 16.
Improved Paper Machinery Company. (See Reed, H. J., and Spafford, assignors.)
Ingersoll-Rand Company. (See Brackett, John C., assignor.)
Ingram, George P., San Jose, Calif. Pliers. 1,639,183; Aug. 16.
International Harvester Company. (See Anderson, Emil F., assignor.)
International Harvester Company. (See Baker, David B., assignor.)
International Harvester Company. (See Cady, Sherman W., assignor.)
International Harvester Company. (See Schoenrock, Otto R., assignor.)
International Motor Company. (See Masury, A. F., and Gurney, assignors.)
International Motor Company. (See Masury, A. F., and Leipert, assignors.)
Interstate Folding Box Company, The. (See Bergstein, Samuel, assignor.)
Jacobsen, Emil, Plandome, N. Y., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,639,089; Aug. 16.
Jakeman, John W., Altrincham, assignor to Linotype and Machinery Limited, London, England. Sheet-delivery mechanism for printing machines. 1,639,184; Aug. 16.
Jakopec, George and V. Schwarz, Chicago, Ill. Combined door-lock mechanism and burglar alarm. 1,639,565; Aug. 16.
Jaquith, William E., B. A. Evans, and G. Foerstner, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for covering tubing. 1,639,408; Aug. 16.
Jeffrey Manufacturing Company, The (See Liggett, William K., assignor.)
Jesnig, Charles, Philadelphia, Pa. Automatic cigarette-delivering container. 1,639,295; Aug. 16.
Jesnig, Charles, Philadelphia, Pa. Automatic cigarette-delivering container. 1,639,296; Aug. 16.
Jobst, Conrad, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio. Motor brake. 1,639,038; Aug. 16.
Joha, Elmer N. (See Rosenberg, S., and Joha.)
Johanson, Georg K. V., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Electric flash-light controlling means. 1,639,507; Aug. 16.
Johanson, Gustaf E., Sundavall, Sweden. Motor vehicle. 1,638,854; Aug. 16.
Johnson, August. (See Johnson, John S. and A.)
Johnson, Bror A. E. (See Ekström, C. C., and Johnson.)
Johnson, Carl E., assignor to United States Electrical Manufacturing Company, Los Angeles, Cal. Producing rotors. 1,639,456; Aug. 16.
Johnson, Carl H. (see Johnson, Oscar W. and C. H.)
Johnson, Elmer J. (See Booth, George A., assignor.)
Johnson, Herbert B., Brooklyn, and L. La Fayette Eagon; said Johnson assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Eagon assignor to American Telephone and Telegraph Company. Telephone system. 1,639,135; Aug. 16.
Johnson, James C., Sacramento, Calif. Patent envelope. 1,639,566; Aug. 16.
Johnson, John E., Chicago, Ill. Lathe. 1,639,090; Aug. 16.
Johnson, John S. and A., Fargo, N. Dak. Oil injector. 1,639,409; Aug. 16.
Johnson, Oscar W. and C. H., Chicago, Ill. Emergency raincoat. 1,639,185; Aug. 16.
Johnson, Oscar W., assignor to Ward-Love Pump Corporation, Rockford, Ill. Closure operator. 1,639,091; Aug. 16.
Johnson, Seth. (See Cole, T. S., and Johnson.)
Jones & Laughlin Steel Corporation. (See Boardman, Charles S., assignor.)
Jones & Laughlin Steel Corporation. (See Boardman, C. S., and Free, assignors.)
Jones, Barton, et al. (See Hanson, Roy E., assignor.)
Jordan, Louis, and G. W. Quick, Washington, D. C., assignors to the United States of America, represented by the Secretary of Commerce. Alloy. 1,638,855; Aug. 16.
Jorstad, Osmund M., East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, Pantograph trolley shoe. 1,638,856; Aug. 16.
Kadel, Byers W., Baltimore, Md., assignor to The Symington Company, New York, N. Y. Draft rigging. 1,639,567; Aug. 16.
Kahler, Paul F., Chicago, Ill. Photographic printing frame. 1,638,936; Aug. 16.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. Re16,707; Aug. 16.
Kahn, Myrtil, Cologne, and R. Mayer, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Catalytic reduction of organic nitro compounds. 1,639,186; Aug. 16.
Kahns, Walter R., and K. Keller, assignors to J. H. White Manufacturing Company, Brooklyn, N. Y. Lighting fixture. 1,639,508; Aug. 16.
Kansas City Gasoline Company. (See Wellman, Frank E., assignor.)
Kaufman, Joseph, Bronxville, assignor to American Safety Razor Corporation, New York, N. Y. Container. 1,639,509; Aug. 16.
Keegan, Francis W. (See Pokorny, Frank, assignor.)
Keene, Alvin D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,638,857; Aug. 16.
Keene, Alvin D., West Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Furnace. 1,638,937; Aug. 16.
Kegler, Anton W., Minneapolis, Minn. Sprayer. 1,639,297; Aug. 16.
Kelm, Harvey A., Naponee, Nebr. Foldable, portable nursery chair. 1,639,298; Aug. 16.

Keller, Eva, Pasadena, Calif. Piano practice exerciser. 1,638,858; Aug. 16.
Keller, Karl. (See Kahns, W. R., and Keller.)
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kelley, Anna L., Fyriton, Ala. Basket. Des. 73,260; Aug. 16.
Kelley, Frank R., Pittsburgh, Pa. Ventilator. 1,639,187; Aug. 16.
Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)
Kelly, Thomas H., New Castle, Pa. Oil burner. 1,639,377; Aug. 16.
Kennedy, Stephen S. S., Pontiac, Mich. Grate. 1,639,343; Aug. 16.
Kidd, Thomas J., Birmingham, Ala. Process and apparatus for delinting cottonseed hulls. 1,639,568; Aug. 16.
Kletz, Adolf P., Cleveland Heights, Ohio. Curling iron. 1,639,136; Aug. 16.
Kim, Julius, assignor, by mesne assignments, to T. Lenchner, Pittsburgh, Pa. Sanitary cover. Re16,705; Aug. 16.
King-Keys Advertising Company, The. (See Overen, Henry, assignor.)
King, Landreth H., Orange, N. J. assignor to King Mechanism and Engineering Company, New York, N. Y. Dumping truck. 1,639,092; Aug. 16.
King Mechanism and Engineering Company. (See King, Landreth H., assignor.)
Kingsford, Russell T., Wyncote, assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Grille front for radio loud speakers. Des. 73,261; Aug. 16.
Kinnard, James A., Detroit, Mich., assignor to The Fulton Company, Knoxville, Tenn. Temperature regulator for internal-combustion engines. 1,639,299; Aug. 16.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler mechanism. 1,639,300; Aug. 16.
Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler mechanism. 1,639,301; Aug. 16.
Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Cover indexing device and fastener for cooking utensils. 1,639,093; Aug. 16.
Kirkaldy, Alexander, New York, N. Y. Electrode. 1,639,457; Aug. 16.
Klein, Georges, Paris, France. Counterbalancing means for movable devices. 1,639,094; Aug. 16.
Kleinschmidt, Emil, Frankfort-on-the-Main, Germany. Production of electrodes. 1,639,188; Aug. 16.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Knabusch, Edward M., Monroe, and E. Shoemaker, Carleton, Mich. Saw guide. 1,639,039; Aug. 16.
Knapp, William, Chanute, Kans. Steam-jacketed still. 1,639,189; Aug. 16.
Knight, George H., Waterbury, Vt. Door hanger. 1,639,378; Aug. 16.
Knöchl, Leo, Vienna, Austria. Spring hammer. 1,639,459; Aug. 16.
Knowles, William L., Fostoria, Ohio. Jack. 1,638,859; Aug. 16.
Knudson, Edwin H. (See O'Brien, J., and Knudson.)
Knutsen, John B. M., Potts Point, near Sydney, New South Wales, Australia. Apparatus for the control and operation of electric lifts and the like. 1,639,190; Aug. 16.
Kobe, Inc. (See Coberly, Clarence J., assignor.)
Koch, Paul W., Chicago, Ill., assignor, by mesne assignments, to Condit Electrical Manufacturing Corporation, Boston, Mass. Manhole switch. 1,639,569; Aug. 16.
Koeb, Emil. (See Goldsmith, B. J., and Koeb.)
Koenigkramer, Frederick, Cincinnati, Ohio. Instrument supporting and adjusting apparatus. 1,638,938; Aug. 16.
Koenigkramer, Frederick, Cincinnati, Ohio. Instrument-supporting apparatus. 1,638,939; Aug. 16.
Kohler Company. (See Brotz, Anton F., assignor.)
Kortz, Conrad J., Cleveland, Ohio. Bill hook. 1,639,137; Aug. 16.
Krantz, Hubert K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch housing. 1,638,940; Aug. 16.
Krüger, Richard, Nienburg-on-the-Saale, Germany. Extension table. 1,639,510; Aug. 16.
Krystofiak, Josef, New York, N. Y., assignor, by mesne assignments, to E. and B. Willbrandt, copartners trading as Art Asentible Furniture Company, St. Louis, Mo. Mechanical movement. 1,639,191; Aug. 16.
Kucipak, George, Seneca Falls, N. Y. Automobile signal. 1,639,192; Aug. 16.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,639,302; Aug. 16.
Kusel, Isidor J., Chicago, Ill. Coin bank. 1,639,344; Aug. 16.
La Brie, Ludger E., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake-applying means. 1,639,095; Aug. 16.
La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-handling machine. 1,639,261; Aug. 16.
Lafever, George, Ridgefield, assignor to American Lock Nut Company, Longview, Wash. Lock nut. 1,639,511; Aug. 16.
La Londe, Moses, assignor to W. B. Russell, Springfield, Mass. Brake-adjusting device. 1,639,379; Aug. 16.
Lamb, Ward D., Le Mars, Iowa. Can opener. 1,639,193; Aug. 16.
Lang, Arthur A. D., London, England. Vehicle wheel. 1,639,570; Aug. 16.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. System of handling can bodies. 1,639,512; Aug. 16.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Body-forming mechanism. 1,639,513; Aug. 16.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Horn-supporting means. 1,639,514; Aug. 16.
Lange, Paul H., assignor to The Max Ams Machine Company, Bridgeport, Conn. Seaming mechanism. 1,639,515; Aug. 16.
Langham, Ernest J., Johnstown, Pa. Shoring device. 1,639,516; Aug. 16.
Langwell, Herbert, Epsom, England. Fermentation of cellulose. 1,639,571; Aug. 16.
Larkin, Elwood T. (See Criqui, C. A., and Larkin.)
Larson, Edward, assignor of one-half to D. B. Hoffman, Los Angeles, Calif. Lighting-fixture support. Des. 73,262; Aug. 16.
Lasater, John E., Los Angeles, Calif. Barber's-chair headrest. 1,639,194; Aug. 16.
Lasco, Stephen, Tunkhannock, Pa. Guide device for musical instruments. 1,639,345; Aug. 16.
Lassen, Peter, Roanoke, Tex. Bag-filling device. 1,639,517; Aug. 16.
Lautenschlager, Thurman H., Dayton, Ohio. Valve-stem cap or the like. 1,639,803; Aug. 16.
Law, James C., Scranton, Pa. Apparatus for distributing gas and air in fire boxes. 1,639,642; Aug. 16.
Lawrence, Charles L., New York, N. Y. Tool kit. 1,639,227; Aug. 16.
Lawson, Albert R., Hamilton, assignor to Toronto Type Foundry Company, Limited, Toronto, Ontario, Canada. Manufacture of manifolding books. 1,639,040; Aug. 16.
Layne, Olyn A., Los Angeles, Calif. Tongs. 1,639,228; Aug. 16.
Lea, Charles, Boston, assignor, by mesne assignments, to F. Blanchard, Dorchester, Mass. Lubricator. 1,638,941; Aug. 16.
Leipert, August H. (See Masury, A. F., and Leipert.)
Lenchner, Theodore. (See Kim, Julius, assignor.)
Lewis, Warren K., Newton, assignor to Samson Cordage Works, Boston, Mass. Manufacture of cordage. 1,639,041; Aug. 16.
Lewis, William J., Syracuse, N. Y. Power press ironer. 1,639,410; Aug. 16.
Libbey-Owens Sheet Glass Company, The. (See Drake, John L., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Ferngren, Enoch T., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Reece, Joseph A., assignor.)
Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Loading apparatus. 1,639,346; Aug. 16.
Linn, Robert, Chicago, Ill., assignor to W. A. Darrah. Amplifier or enunciator. 1,638,942; Aug. 16.
Linotype and Machinery Limited. (See Jakeman, John W., assignor.)
Lippert, Aloysius C., Kenosha, Wis., assignor, by mesne assignments, to The Norlipp Company, Chicago, Ill. Radiator cap. Des. 73,263; Aug. 16.
Lippert, Aloysius C., Kenosha, Wis., assignor, by mesne assignments, to The Norlipp Company, Chicago, Ill. Radiator cap. Des. 73,264; Aug. 16.
Liptak, Michael, St. Paul, Minn. Furnace wall. 1,639,138; Aug. 16.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermo-electric cell and making the same. 1,638,943; Aug. 16.
Livingston, Charley W., Coon Rapids, assignor of one-half to L. L. Etner, Glidden, Iowa. Grain shocker. 1,639,632; Aug. 16.
Ljungström, Fredrik, assignor to Aktiebolaget Ljungströms Angturbin, Lidingo-Brevik, Sweden. Turbine aggregate. 1,638,944; Aug. 16.
Lloyd, Dorothy J. (See Pickard, R. H., Lloyd, and Caunce.)
Lloyd, Rodger E. (See McDonna, F. A., and Lloyd.)
Lockett, Ralph G., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for motor-driven apparatus. 1,638,860; Aug. 16.
Lockett, Ralph G., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for motor-driven devices. 1,638,861; Aug. 16.
Lockhart, Luther B., Atlanta, Ga., assignor to Standard Oil Company, Whiting, Ind. Lubricant for automotive engines. 1,639,347; Aug. 16.
London, David, Baltimore, Md. Hanger for wardrobe bags. 1,638,945; Aug. 16.
Long, Sherman G., Peoria, Ill. Burner. 1,639,518; Aug. 16.
Lonson, Albert, Ulen, Minn. Brake drum and lining. 1,639,519; Aug. 16.
Lorch, Ernest P., Brooklyn, N. Y. Gear-shift mechanism. 1,639,460; Aug. 16.
Lott, Louis J. P., Dayton, Ohio. Golf green 1,638,862; Aug. 16.

Lots, Henry, Boston, Mass. Salvaging apparatus. 1,639,572; Aug. 16.
Loucks, James F., assignor to Holorib, Inc., Cleveland, Ohio. Clamping device. 1,639,189; Aug. 16.
Lowers, Perry O., Fredonia, Kans. Shade and curtain hanger. 1,639,520; Aug. 16.
Luckey, George P., Dayton, Ohio. Latitude indicator for aircraft. 1,639,229; Aug. 16.
Luks, Joachim, and J. M. Garnett, Brooklyn, N. Y. Dental mold. 1,639,262; Aug. 16.
Lurie, August J. (See Fredrick, Joseph P., assignor.)
Luthy, Fred A., Jackson, Mich. Wheel puller. 1,639,140; Aug. 16.
Luthy, Joseph O., San Antonio, Tex. Melting pot. 1,639,380; Aug. 16.
Mabe, Paris M., Muskogee, Okla. Knockdown show case. 1,638,863; Aug. 16.
MacDonald, Kenneth, jr., Los Angeles, Calif. Garage elevator. 1,639,230; Aug. 16.
MacFadden, Wilford C., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio system. 1,639,042; Aug. 16.
Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes and innersole therefor. 1,638,946; Aug. 16.
MacMurchy, John A., Ridley Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Metallic packing. 1,639,521; Aug. 16.
Madaris, Clint, Chattanooga, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y. Safety device for knitting machines. 1,639,522; Aug. 16.
Maile, Carrie A., Tulsa, Okla. Apple and pear corer. 1,639,523; Aug. 16.
Majestic Company, The. (See Redrup, William D., assignor.)
Malouf, Beshara I., Brooklyn, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Automatic windshield cleaner. 1,639,043; Aug. 16.
Manelas, George, Harrisburg, Pa. Pneumatic shoe sole. 1,639,381; Aug. 16.
Maney, Thomas, Louisville, Ky. Guard-rail fatener. 1,639,524; Aug. 16.
Mangels, Edward T. E., and E. G. Mangels, Davenport, Iowa. Dining cabinet. 1,639,141; Aug. 16.
Mangels, Erwin G. (See Mangels, Edward T. E. and E. G.)
Manhattan-Rome Company. (See Sisbower, G. F., and Pittont, assignors.)
Mansbridge, George F., New Barnet, England. Variable inductance. 1,639,044; Aug. 16.
Marquette Tool & Manufacturing Co. (See Rode, Fredrich J., assignor.)
Marr, Winfield S., Council Bluffs, Iowa. Telephone attachment. 1,639,525; Aug. 16.
Marrison, Warren A., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Harmonic frequency producer. 1,639,045; Aug. 16.
Martin, Julius W., administrator. (See Perry, Napoleon J.)
Marty, Edgar O., Pottsville, Pa. Gravity separator and process of separation. 1,639,046; Aug. 16.
Massarella, John, Cincinnati, Ohio. Confectionery-coating machine. 1,639,263; Aug. 16.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Universal joint. 1,638,947; Aug. 16.
Masury, Alfred F., New York, and E. R. Gurney, Beechhurst, assignors to International Motor Company, New York, N. Y. Frame for vehicles. 1,638,948; Aug. 16.
Mathe, John M. (See Mathe, Kennedy M. and J. M.)
Mathe, Kennedy M. and J. M., Hammond, Ind. Ore concentrator. 1,638,864; Aug. 16.
Matiasko, Steve. (See Gatial, George, assignor.)
Mattenklodt, Karl, and H. Schramm, assignors to Duisburger-Kupferhutte, Duisburg, Germany. Recovery of copper, zinc, and other metals from solutions containing chlorides and sulphates. 1,639,610; Aug. 16.
May Hosiery Mills. (See Perry, Napoleon J., assignor.)
Mayer, Gustave, Brooklyn, N. Y. Electrical illuminated toy top. 1,639,526; Aug. 16.
Mayer, Rudolf. (See Kahn, M., and Mayer.)
Mayer, Walter S., Philadelphia, Pa. Conductor support. 1,639,527; Aug. 16.
Max Ams Machine Company, The. (See Brenzinger, Julius, assignor.)
Max Ams Machine Company, The. (See Lange, Paul H., assignor.)
Maxey, Thomas J., Miami Shores, Fla. Combination cigarette and match-box container. 1,639,461; Aug. 16.
Maxim, Hiram P., assignor to The Maxim Silencer Company, Hartford, Conn. Silencer. 1,639,047; Aug. 16.
Maxim Silencer Company, The. (See Maxim, Hiram P., assignor.)
McAtree, John L., New York, N. Y., assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Vanity case. 1,638,865; Aug. 16.
McAtree, John L., New York, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,639,001; Aug. 16.
McCarty, Roy A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Clutch motor. 1,638,949; Aug. 16.
McConkey, Montgomery W., Wilmette, assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,639,142; Aug. 16.

McDonna, Francis A., Englevale, and R. E. Lloyd, Valley City, N. Dak. Scarifier and road planer. 1,638,866; Aug. 16.
McHargue, William J. (See Woodruff, Benjamin F., assignor.)
McLaughlin, Francis P., Pittsburgh, Pa. Mattress-adjusting apparatus. 1,639,462; Aug. 16.
McLaughlin, George E. (See Brophy, J. J., and McLaughlin.)
McLaughlin, George E., Peabody, Mass., assignor to The Turner Tanning Machinery Company, Portland, Me. Measuring machine. 1,638,950; Aug. 16.
McMullen, George B., assignor to Sanitary Nursing Bottle Company, Inc., Philadelphia, Pa. Nursing bottle. 1,639,096; Aug. 16.
McMullen, John, Buffalo, N. Y. Wall structure for railway cars. 1,639,264; Aug. 16.
McNeil Boiler Company, The. (See Riddle, Carlton, assignor.)
McNichol, Theodore W. (See Coville, John E., assignor.)
McPherson, Charles, assignor to Friction Power Corporation Limited, Montreal, Quebec, Canada. Power-transmitting device. 1,639,143; Aug. 16.
Meaker, John W., Chicago, Ill., and W. P. Gleason, Gary, Ind. Fencepost. 1,639,195; Aug. 16.
Mechau, Robert, assignor to the Firm of Carl Zeiss, Jena, Germany. Receiver for heat signs. 1,639,411; Aug. 16.
Mechau, Robert, assignor to the Firm of Carl Zeiss, Jena, Germany. Indicator for heat rays. 1,639,412; Aug. 16.
Medart, Fred, Manufacturing Company. (See Albach, Frank, assignor.)
Melton, Pink M., Memphis, Tex. Cotton harvester and cleaner. 1,638,867; Aug. 16.
Mendelson, Louis R., assignor to The Hotstream Heater Company, Cleveland, Ohio. Water-heater unit. 1,639,002; Aug. 16.
Menzies, John, Fresno, Calif. Automobile sunshade attachment. 1,639,413; Aug. 16.
Mergott, J. E., Co. (See Hiering, William C., assignor.)
Merritt, Harry S. (See Scofield, L. M., and Thomas, assignors.)
Metropolitan-Vickers Electrical Company Limited. (See Robinson, Ernest Y., assignor.)
Meyer Body Co. Inc. (See Meyer, Frederick, assignor.)
Meyer, Frederick, assignor to Meyer Body Co. Inc., Buffalo, N. Y. Refrigerating apparatus. 1,639,528; Aug. 16.
Mezzera, Egisto. (See Moretti, C. P., and Mezzera.)
Michelin, André J., Paris, France, assignor to Michelin et Cie., Clermont-Ferrand, France. Vehicle wheel. 1,639,573; Aug. 16.
Michelin et Cie. (See Michelin, André J., assignor.)
Mickey, Edward T., Winston-Salem, N. C. Ironing board. 1,639,804; Aug. 16.
Midland Steel Products Company, The, et al. (See Putnam, Alden L., assignor.)
Miesaner, Benjamin F., South Orange, N. J. Sound-amplifying device. 1,639,048; Aug. 16.
Miller, Henry C., deceased, Milwaukee, Wis., First Wisconsin Trust Company of Milwaukee, executor. Loose-leaf binder. 1,639,305; Aug. 16.
Miller, Ingle W., and L. E. Miller, Darke County, Ohio. Cultivator. 1,639,463; Aug. 16.
Miller, John A., Mount Crawford, assignor of one-half to G. N. Conrad, Harrisonburg, Va. Speed governor. 1639,265; Aug. 16.
Miller, John M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio receiving system. 1,639,414; Aug. 16.
Miller, Lida E. (See Miller, Ingle W. and L. E.)
Miller, William L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for forming tungsten filaments. 1,638,868; Aug. 16.
Milligan, John F. (See Christianson, A. W., and Milligan.)
Minett, Wilfrid T. (See Gouldbourn, J., and Minett.)
Mitchell, David W., and G. O. Robinson, Port Dover, Toronto, Ontario, Canada. Cone-making machine. 1,639,097; Aug. 16.
Mitchell, W. C., et al. (See Boone, D. C., and Burkett, assignors.)
Mitchell, William A., Denison, Tex., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Railway truck. 1,639,348; Aug. 16.
Moegelin, Erich, Moesen, Germany. One-way plow. 1,639,049; Aug. 16.
Moeller, Karoline, Eberswalde, Germany. Hand carrying device. 1,639,266; Aug. 16.
Moffat, Frederick W., Weston, Ontario, Canada. Electric heating element. 1,639,382; Aug. 16.
Moorman, Charles L., Chicago, Ill. Brake mechanism for railway cars. 1,639,806; Aug. 16.
Moretti, Cosimo P., and E. Messera, Leavenworth, Kans. Belt. 1,639,383; Aug. 16.
Morey, James B., et al. (See Hanson, Roy E., assignor.)
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Mining machine. 1,639,050; Aug. 16.
Morgan, Lewis J., Syracuse, N. Y. Latch for automobile doors and the like. 1,639,434; Aug. 16.
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morin, Louis H., assignor to A. S. Phillips, New York, N. Y. Machine for making pyjama frogs. 1,639,098; Aug. 16.
Morin, Louis H., assignor to A. S. Phillips, New York, N. Y. Machine for making pyjama frogs. 1,639,099; Aug. 16.

Morley, Charles F. (See Fairchild, E. E., Adamson, and Morley.)
Morrison, Montford, New York, N. Y. X-ray apparatus. 1,639,404; Aug. 16.
Moss Brothers. (See Moss, Fred J., assignor.)
Moss, Fred J., assignor to Moss Brothers, Conneaut Lake, Pa. Septic tank. 1,638,869; Aug. 16.
Motor Wheel Corporation et al. (See Putnam, Alden L., assignor.)
Mueller, Edward H., Pittston, Pa. Device for candling eggs. 1,638,870; Aug. 16.
Munday, Reginald L., Bath, England. Heat-exchange apparatus. 1,639,051; Aug. 16.
Muzzio, James A., assignor to R. S. Muzzio, Cleveland, Ohio. Locking mechanism. 1,639,144; Aug. 16.
Muzzio, Rosa S. (See Muzzio, James A., assignor.)
N. S. T. Automobile Polish Mfg. Co. (See Trout, Charles W., assignor.)
Nash, George W., Denver, Colo. Brake dressing compound and making same. 1,639,611; Aug. 16.
National Machinery Co., The. (See Clouse, William L., assignor.)
National Products Incorporated. (See Bossard, Theodore, assignor.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Nauts, Frank A., assignor to Gendron Wheel Company, Toledo, Ohio. Scooter. 1,638,871; Aug. 16.
Nellan, John J., Cleveland, Ohio. Punch press. 1,639,100; Aug. 16.
Nentwig, Ernest B., Jefferson City, Mo. Rocking toy. 1,638,931; Aug. 16.
Nen, Peter, Bayard, Nebr. Crust breaker. 1,639,307; Aug. 16.
Nevius, John F., New York, N. Y. Locking device for motor controls. 1,639,612; Aug. 16.
New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
Newmeyer, William L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic station. 1,638,872; Aug. 16.
Nichol, Thomas T. (See Coville, John E., assignor.)
Niemann, George F., assignor to Benjamin Electric Mfg. Co., Chicago, Ill. Winding transformers. 1,639,145; Aug. 16.
Nilsson, Holger A. E., Ockelbo, Sweden. Conveying and piling apparatus. 1,639,435; Aug. 16.
Norlipp Company, The. (See Lippert, Aloysius C., assignor.)
Northrop, George E., assignor to Red Star Appliances, Inc., Stamford, Conn. Mailing machine. 1,639,052; Aug. 16.
Northrop, George E., assignor to Red Star Appliances, Inc., Stamford, Conn. Mailing machine. 1,639,053; Aug. 16.
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Regulating transmission circuits. 1,638,952; Aug. 16.
O'Brien, John, and E. H. Knudson, St. Paul, Minn. Milk can. 1,639,101; Aug. 16.
O'Brien, Vincent J., Smuggler, assignor of one-half to E. H. Sackett, Arvada, Colo. Joint for piston and connecting rod mountings. 1,639,102; Aug. 16.
Ogden, Jacob W. (See Pitney, A. H., and Ogden.)
Ogden, J. Edward. (See Fisher, Joseph K., assignor.)
Ogden, John F., Mountainville, N. Y. Bolt anchor. 1,639,231; Aug. 16.
O'Neil, James D. (See Palmer, John M., assignor.)
O'Neil, James H., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 1,639,349; Aug. 16.
Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Front-axle construction. 1,638,953; Aug. 16.
Orr, William, Memphis, Tenn. Sound-modifying means for transmitting and reproducing machines. 1,639,308; Aug. 16.
Osgood Company, The. (See Barnhart, Harry J., assignor.)
Ottinger, Leon, New York, N. Y. Locking means for door latches. 1,639,103; Aug. 16.
Ottinger, Leon, New York, N. Y., assignor to Emory G. Simpson, Detroit, Mich. Cowl ventilator for automobiles. 1,639,309; Aug. 16.
Overen, Henry, assignor to The King-Keys Advertising Company, Seattle, Wash. Electrical cigar lighter. 1,639,465; Aug. 16.
Owens Bottle Company, The. (See Cramer, Albert N., assignor.)
P & M Company, The. (See Cook, Adoniram J., assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Packer, Eben R., New Rochelle, assignor to I. & C. Company, New York, N. Y. Guard-rail structure. 1,639,232; Aug. 16.
Palm, Frederick, Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Axle housing and gear casing for automobiles and making the same. 1,638,873; Aug. 16.
Palmer, Floyd, Jacksonville, Fla. Automobile parking means. 1,639,054; Aug. 16.
Palmer, John M., assignor of one-half to J. D. O'Neil, Chicago, Ill. Tool holder for lathes. 1,638,874; Aug. 16.
Palmer, Warner, Meadowlands, Minn. Thawing device. 1,639,267; Aug. 16.
Pangburn, Truman A., Camden, N. J. Electric switch. 1,639,196; Aug. 16.
Pangburn, Truman A., Camden, N. J. Electric switch. 1,639,197; Aug. 16.
Pantlind, Fred Z. (See Farmer, Charles K., assignor.)
Parker, Leonard E., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Radiocabinet. 1,638,875; Aug. 16.
Patterson, Luther, assignor to H. F. Smith, Harris County, Tex. Rotary. 1,639,268; Aug. 16.
Patterson, Roy G., Hugoton, Kans., assignor of twenty-five per cent to M. R. Stewart, Wilburton, and twenty-four per cent to F. Beaty, Hutchinson, Kans. Broom-corn harvester. 1,639,055; Aug. 16.
Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Case for hemacytometer and similar apparatus. 1,639,436; Aug. 16.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Disk harrow. 1,639,104; Aug. 16.
Paxton, Clifford M., Brooklyn, N. Y. Gyroscopic apparatus. 1,639,233; Aug. 16.
Payson, Aurin E., and W. R. Hastedt, assignors, by mesne assignments, to The American Thermos Bottle Company, Norwich, Conn. Container. 1,639,529; Aug. 16.
Payson, Edward B., assignor of one-half to M. T. Winston, Spooner, Wis. Staple. 1,639,530; Aug. 16.
Peabody Engineering Corporation. (See Peabody, Ernest H., assignor.)
Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Air register. 1,639,056; Aug. 16.
Peabody, Ernest H., Pelham Manor, assignor to Peabody Engineering Corporation, New York, N. Y. Viscosimeter. 1,639,057; Aug. 16.
Pearson, Charles H. (See Bold, Frederick W., assignor.)
Pearson, John C., Tuscaloosa, Ala. Inkstand. Des. 73,265; Aug. 16.
Pease, Isaac M., Cincinnati, Ohio. Arch and ankle support. 1,639,198; Aug. 16.
Peeters, Henry, Warcoing, Belgium. Back-spacing mechanism for typewriters. 1,639,199; Aug. 16.
Peevey, Dial R. (See Wharton, S. I., and Peevey.)
Peinlich, Max, White Plains, assignor to Columbia Lighting Fixture Co., Inc., New York, N. Y. Chandelier or the like. Des. 73,266; Aug. 16.
Penrod, John, assignor of one-half to R. D. Thompson, Okmulgee, Okla. Feeding device for cable-drilling tools. 1,638,876; Aug. 16.
Pennington, Gordon R. (See Wellman, S. K., and Pennington.)
Pereira, Henry J., Chelsea, Mass. Drain plug or valve. 1,638,954; Aug. 16.
Perfect Window Regulator Corporation. (See Goldsmith, B. J., and Koeb, assignors.)
Perron, Samuel H., Mendon, assignor to A. Steinert, Boston, Mass. Reproducing piano. 1,639,105; Aug. 16.
Perron, Samuel H., Mendon, assignor to A. Steinert, Boston, Mass. Musical instrument. 1,639,106; Aug. 16.
Perron, Samuel H., Mendon, assignor to A. Steinert, Boston, Mass. Musical instrument. 1,639,107; Aug. 16.
Perry, Napoleon J., deceased; J. W. Martin, administrator, assignor to May Hosiery Mills, Nashville, Tenn. Take-up for knitting machines. 1,638,955; Aug. 16.
Pet Milk Company. (See Hebrank, William F., assignor.)
Pettengill, Walter E., East Providence, R. I. Wrapping wire. 1,639,146; Aug. 16.
Phillips, A. S. (See Morin, Louis H., assignor.)
Phillips, Arthur A., Anaheim, and E. Connelly, Fullerton, Calif. Automatic shut-off for pumps. 1,639,147; Aug. 16.
Phillips, Ernest B., East Chicago, and J. G. Stafford, Whiting, Ind., assignors to Sinclair Refining Company, Chicago, Ill. Refining of hydrocarbon oils. 1,639,531; Aug. 16.
Pickard, Robert H., D. J. Lloyd, and A. E. Caunce, London, England. Stuffing of chrome-tanned heavy leather. 1,638,877; Aug. 16.
Pinchbeck, Arthur S. (See Pinchbeck, Harry A. and A. S.)
Pinchbeck, Harry A. and A. S., London, England. Fruit knife. 1,638,956; Aug. 16.
Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Multiple die for postage meter machines. 1,639,384; Aug. 16.
Pitney, Arthur H., and J. W. Ogden, assignors, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Machine for printing various denominations of postage on mail matter, etc., and registering amount thereof. 1,639,350; Aug. 16.
Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
Pitney-Bowes Postage Meter Company. (See Pitney, A. H., and Ogden, assignors.)
Pitt, William A., assignor of one-half to G. F. Sheppard, Montreal, Quebec, Canada. Journal bearing. 1,638,957; Aug. 16.
Pittoni, Louis E. (See Sisbower, G. F., and Pittoni.)

Pitts, John W., Berkeley, Calif. Tobacco-pipe cleaner. 1,639,200; Aug. 16.
Pneumatic Appliances Corporation. (See Weiland, Alfred, assignor.)
Pokorny, Frank, Mamaroneck, assignor of one-half to F. W. Keegan, New York, N. Y. Fluid-control means for motors. 1,639,532; Aug. 16.
Poplawski, Stephen J., assignor to The Arnold Electric Company, Racine, Wis. Dispenser. 1,639,415; Aug. 16.
Poses, Jack I., assignor to A. A. Vantine & Co. Inc., New York, N. Y. Bottle or similar container. Des. 73,267; Aug. 16.
Potschner, Karl, Dover, Ohio. Making tools. 1,639,269; Aug. 16.
Pott, John J., St. Louis, Mo. Loose-leaf binder. 1,638,878; Aug. 16.
Potter, William H., Chicago, Ill. Sausage-making machine. 1,639,270; Aug. 16.
Prest-O-Lite Company, The. (See Benner, R. C., and French, assignors.)
Preston, Bruce B., Cleveland Heights, assignors to The Ideal Heating Equipment Company, Cleveland, Ohio. Thermostatic wafer. 1,638,958; Aug. 16.
Price, Nina B., New York, N. Y. Vanity case for automobiles. 1,639,003; Aug. 16.
Prikelmayer, Joseph, Vallevo, Yugoslavia. Transparent sealing wax. 1,638,960; Aug. 16.
Prosperity Company, The. (See Clisson, Albert B., assignor.)
Prosperity Company, The. (See Daly, Joseph P., assignor.)
Prosperity Company, The. (See Simpson, George F., assignor.)
Pruger, Raoul, East Liberty, Pa., assignor to Westinghouse Electric & Manufacturing Company. Roller bearing for clutch motors. 1,638,959; Aug. 16.
Pulley, Dorothy H., Charlotte, N. C. Motor meter. Des. 73,268; Aug. 16.
Putnam, Alden L., Detroit, assignor, by mesne assignments, of one-half to Motor Wheel Corporation, Lansing, Mich., and one-half to The Midland Steel Products Company, Cleveland, Ohio. Rim fastener for vehicle wheels. 1,639,108; Aug. 16.
Putnam, Alden L., Dearborn, assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Welding metal spokes. 1,639,109; Aug. 16.
Quick, George W. (See Jordan, L., and Quick.)
R. K. M. Mfg. Co. et al. (See Bogdonoff, Glenn, assignor.)
Radio Electric Clock Corporation. (See Casner, Thaddeus S., assignor.)
Rahn, Robert C. (See Weber, W. S., and Snyder, assignors.)
Randall, Sheridan, et al. (See Hale, William H., assignor.)
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,638,879; Aug. 16.
Rautenberg, Isidor, Chicago, Ill. Folding crib. 1,639,110; Aug. 16.
Raymond, Horace H., assignor to The Stanley Works, New Britain, Conn. Ball-bearing hinge. 1,639,633; Aug. 16.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Ball-bearing hinge. 1,639,634; Aug. 16.
Reagan, Maurice E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic reclosing-circuit interrupter. 1,638,880; Aug. 16.
Reams, Joseph A., assignor to Fulton Brick Works, Richmond, Va. Process and apparatus for burning clay products. 1,639,271; Aug. 16.
Record Book Cabinet Company. (See Seward, Leslie W., assignor.)
Redin, Ekstrom & Co. (See Carlson, George H., assignor.)
Redrup, William D., assignor to The Majestic Company, Huntington, Ind. Window. 1,639,148; Aug. 16.
Red Star Appliances, Inc. (See Northrop, George E., assignor.)
Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing sheet glass. 1,639,466; Aug. 16.
Reed, Forrest C., Easton, Pa. Direct synthesis of ammonia. 1,639,272; Aug. 16.
Reed, Harold J., Nashua, N. H., and C. L. Spafford, Sherbrooke, Quebec, Canada, assignors to Improved Paper Machinery Company, Nashua, N. H. Screen. 1,639,273; Aug. 16.
Reeves Manufacturing Company, The. (See Wendle, V. P., and Hunker, assignors.)
Reichold, Ludwig, Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electric toaster. 1,639,385; Aug. 16.
Reilly, Thomas A., Cleveland, Ohio, assignor, by mesne assignments, to The Federal Foundry Supply Company. Air cleaner. 1,639,467; Aug. 16.
Reiter, Daniel L., New York, N. Y. Handle for hand bags and the like. 1,639,574; Aug. 16.
Reliable Knitting Works. (See Rosenberg, S., and Joha, assignors.)
Renault, Louis. (See Salves, Leon, assignor.)
Renaux, Eugène P., Paris, France, assignor to Bendix Brake Company, Chicago, Ill. Compound brake. 1,639,149; Aug. 16.
Revo Manufacturing Co., The. (See Custenborder, John M., assignor.)
Reynolds Spring Company. (See Carling, Arthur, assignor.)
Reynolds Spring Company. (See Ile, William, assignor.)
Rial, Wirt D., and E. W. Gard, Wilmington, Calif. Preparing an adsorbent for oils. 1,639,274; Aug. 16.
Rice, Arthur R., Toronto, Ontario, Canada. Electric switch. 1,639,533; Aug. 16.
Richards, Pierce F., assignor of one-half to L. L. Valentine, Chicago, Ill. Hydraulic brake. 1,639,058; Aug. 16.
Richardsen, Severin, Strommen, Norway. Airship. 1,638,961; Aug. 16.
Richardson, Henry F., assignor to E. L. Auth, Brooklyn, N. Y. Electrical connecting unit. 1,639,310; Aug. 16.
Riddle, Carlton, assignor to The McNeil Boiler Company, Akron, Ohio. Digester. 1,639,613; Aug. 16.
Riley, Louis H., and C. O. Wood, Fellows, Calif. Tubing bleeder. 1,639,004; Aug. 16.
Riley Stoker Corporation. (See Grahame, Dallas F., assignor.)
Roach-Appleton Manufacturing Company. (See Ginsburg, Henry, assignor.)
Roberts Brass Company, The. (See Zannoth, Robert C., assignor.)
Robertson, Henry E., et al. (See Broyles, John E., assignor.)
Robertson, John W. (See de Lugo, A., and Robertson.)
Robinson, Ernest Y., Manchester, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Seal, joint, and the like of vacuum containers. 1,639,575; Aug. 16.
Robinson, George O. (See Mitchell, D. W., and Robinson.)
Robson, Clarence E., Philadelphia, Pa. Making roller bearings. 1,639,351; Aug. 16.
Rode, Frederich J., assignor to Marquette Tool & Manufacturing Co., Chicago, Ill. Drawing press. 1,638,881; Aug. 16.
Roebling's, John A., Sons Company. (See Sunderland, Charles C., assignor.)
Roholt, Charles. (See Hendrickson, N. T., and Roholt.)
Rosenberg, Samuel, Milwaukee, and E. N. Joha, Wauwatosa, assignors to Reliable Knitting Works, Milwaukee, Wis. Cap. 1,639,468; Aug. 16.
Rossbach, Adolph H., Columbus, Ohio. Apparatus for coating zinc bars with lead. 1,638,882; Aug. 16.
Rosson, Alpine B., Lincoln, Ark. Hammer. 1,639,614; Aug. 16.
Rotsch, Theodore A., Whittier, Calif. Clamping or separating device. 1,639,111; Aug. 16.
Rubber Shackle Company. (See Blomgren, Henry E., assignor.)
Ruben, Samuel, New York, N. Y. Pyrometer. 1,639,534; Aug. 16.
Rubwood, Inc. (See Atwood, Harry N., assignor.)
Rumsch, Emil, Forst-Lausitz, Germany. Safety device for steam mangles. 1,639,386; Aug. 16.
Russell, Leon L., Livermore Falls, Me. Game board. Des. 73,269; Aug. 16.
Russell Manufacturing Company, The. (See Fisher, William C., assignor.)
Russell, Walter B. (See La Londe, Moses, assignor.)
Russo, Albert, and J., Brooklyn, N. Y. Clothesline support. 1,639,275; Aug. 16.
Russo, Angelo, Burlington, Mass. Lock. 1,639,535; Aug. 16.
Russo, Joseph. (See Russo, Albert, and J.)
Ruth, George P. (See Davis, Emerson, assignor.)
Sackett, Edward H. (See O'Brien, V. J., and Sackett.)
Sáenz, Mauro G., Colonia Postal, General Anaya, Mexico. Electrical connecter socket of the wall and plug type. 1,639,437; Aug. 16.
Safety Car Heating & Lighting Company, The. (See Cole, T. S., and Johnson, assignors.)
Salves, Leon, assignor to L. Renault, Billancourt, France. Self-propelled vehicle. 1,639,536; Aug. 16.
Sallinger, Hans, Berlin, Germany. Telegraph cable provided with loading coil. 1,639,201; Aug. 16.
Saloun, Martin, Milwaukee, Wis. Preserving receptacle. 1,639,059; Aug. 16.
Samson Cordage Works. (See Lewis, Warren K., assignor.)
Sandberg, Johannes, Elizabeth, N. J., and W. Ensdorf, New York, N. Y. Soldering iron. 1,639 537; Aug. 16.
Sanitary Nursing Bottle Company. (See McMullen, George B., assignor.)
Sapp, James E., assignor of one-half to R. Bower, Bainbridge, Ga. Bottle-vending machine. 1,639,615; Aug. 16.
Sargeant, Leonard, Fairmont, W. Va. Railway tie. 1,639,234; Aug. 16.
Satterstrom, Ferdinand, Hastings, Minn. Signaling means. 1,639,112; Aug. 16.
Schade, Edmund A., assignor to The Stanley Works, New Britain, Conn. Roofing bracket. 1,639,352; Aug. 16.
Scheel, Gustav, assignor to Telegraphie-Gesellschaft mit beschränkter Haftung System Stille, Berlin, Germany. Magnetic talking, dictating, and like machine. 1,639,060; Aug. 16.
Scheuer, Max G., New York, N. Y. Baglike receptacle. 1,639,005; Aug. 16.

Schiff, Sigmund, assignor to The J. H. Day Company, Cincinnati, Ohio. Tray-discharging mechanism. 1,639,061; Aug. 16.
Schletter & Zander, Inc. (See Zander, Walter E., assignor.)
Schlueter, Henry R., and A. H. Hatke, Richmond, Va. Machine for attaching pins to leaves. 1,639,353; Aug. 16.
Schlumpf, Jacques, Oberwinterthur, Switzerland. Machine for treating yarns in hanks with liquid. 1,639,438; Aug. 16.
Schmidt'sche Heissdampf-Gesellschaft m. b. H. (See Hartmann, Otto H., assignor.)
Schmitt, Otto, Schonbeck, Germany. Apparatus for making electrical mine igniters. 1,639,311; Aug. 16.
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Edward, St. Paul, Minn. Fastening device for gas-main sweat plugs. 1,639,150; Aug. 16.
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Apparatus for gun mounting, laying, and sighting for artillery on aeroplanes. 1,638,962; Aug. 16.
Schoenrock, Otto R., Chicago, Ill., assignor to International Harvester Company. Throttle-valve control means. 1,639,470; Aug. 16.
Schramm, Hans. (See Mattenklodt, K., and Schramm.)
Schreiber, Allen B., St. Joseph, Mo. Stock-feed compound. 1,638,963; Aug. 16.
Schreiber, Allen B., St. Joseph, Mo. Producing animal feed. 1,638,964; Aug. 16.
Schrock, Charles I., Pasadena, Calif., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tool for placing washers in rubber heels. 1,639,312; Aug. 16.
Schuler, John G., Dutton, Mont. Engine-ignition lock. 1,639,354; Aug. 16.
Schulz, Fritz, Konigsberg, Germany. Skinning knife. 1,638,883; Aug. 16.
Schutte, August E., Northboro, Mass. Roadway construction. 1,639,276; Aug. 16.
Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal apparatus. 1,639,538; Aug. 16.
Schwan, Clarence, Oklahoma City, Okla. Poultry roost. 1,639,006; Aug. 16.
Schwarz, Vincent. (See Jakopec, G., and Schwartz.)
Schweiker, Malcolm A., Lanadale, Pa., and J. R. Westbrook, Metuchen, N. J. Tool and machine for fettling floor and wall tile. 1,639,616; Aug. 16.
Scofield, Lynn M., and H. J. Thomas, assignors to H. S. Merritt, Los Angeles, Calif. Film support for motion-picture-projecting machines. 1,639,469; Aug. 16.
Scott & Williams, Incorporated. (See Madaris, Clint, assignor.)
Scovill Manufacturing Company. (See McAtree, John L., assignor.)
Seavey, Eugene, Ridgefield Park, N. J. Combined hair comb and cutter. 1,639,617; Aug. 16.
Seeger, Edwin W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,638,884; Aug. 16.
Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
Sem, Mathias O., assignor to Det Norske Aktieselskab for Elektrokemisk Industri of Norway, Oslo, Norway. Building up self-baking electrodes. 1,639,007; Aug. 16.
Semashko, John J., Morrisville, Pa. Tile-receiving machine. 1,639,576; Aug. 16.
Senger, Edmond H., Los Angeles, Calif. Body rest for washtubs. 1,639,113; Aug. 16.
Seward, Leslie W., Atlantic City, N. J., assignor to Record Book Cabinet Company. Bookcase. 1,639,387; Aug. 16.
Seyfert, John P., assignor to Atlas Metal Parts Company, Milwaukee, Wis. Pipe hanger. 1,639,635; Aug. 16.
Shafer, Harvey G., Indianapolis, Ind. Gear grinder. 1,639,471; Aug. 16.
Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Fluid-pressure-operated tool. 1,639,313; Aug. 16.
Shannon, Philip F. (See Shannon, Richard S. and P. F.)
Shannon, Richard S. and P. F., Denver, Colo. Portable self-contained oil-well heater. 1,639,008; Aug. 16.
Shapiro, Sam A., assignor, by mesne assignments, to A. Dorsey, New York, N. Y. Illuminated-dial control. 1,639,618; Aug. 16.
Shardlow, Harry, assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lighting fixture. Des. 73,270; Aug. 16.
Sharp, John H., Chicago, Ill. Automobile theft alarm. 1,639,314; Aug. 16.
Shea, William B., Kansas City, Mo. Safety-appliance gauge. 1,638,885; Aug. 16.
Shedenhelm, William G., Tiffin, Ohio. Pulley block. 1,639,439; Aug. 16.
Sheppard, George F. (See Pitt, William A., assignor.)
Sherbondy, Frederick G., Akron, Ohio, and M. E. Boehm, Appleton, Wis. Bleaching wood pulp. 1,638,886; Aug. 16.
Sherbondy, Frederick G., Akron, Ohio, and M. E. Boehm, Appleton, Wis. Apparatus for bleaching wood pulp. 1,638,965; Aug. 16.
Shipley, Marion R., Manhattan Beach, Calif. Joint for stovepipe casings. 1,639,315; Aug. 16.
Shoemaker, Edwin. (See Kanabusch, E. M., and Shoemaker.)
Siemens & Halske Aktiengesellschaft, Wernerwerk. (See Waschnack, Adolf, assignor.)
Silberman, David, New York, N. Y. Hook tape. 1,639,472; Aug. 16.
Simpson, Emory G. (See Ottinger, Leon, assignor.)
Simpson, George F., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Woven-wire-cloth covering for pressing-machine elements. 1,639,458; Aug. 16.
Sinclair Refining Company. (See Phillips, E. B., and Stafford, assignors.)
Singiser, John P. (See Taylor, J. H., and Singiser.)
Singley, Leslie K., Hendersonville, N. C. Rod joint. 1,639,009; Aug. 16.
Sirokman, George S., Denver, Colo. Instrument for measuring reentrant angles. 1,638,887; Aug. 16.
Sisbower, George F., Flushing, and L. E. Pittoni, New York, assignors to Manhattan-Rome Company, branch of Rome Metallic Bedstead Company, Long Island City, N. Y. Folding bed. 1,639,237; Aug. 16.
Slater, George F., West Palm Beach, Fla. Portable building. 1,639,577; Aug. 16.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resistor material. 1,638,888; Aug. 16.
Small, Harry S., Seabrook, N. H. Poultry-fence attachment. 1,638,966; Aug. 16.
Smiley, Lemuel H., Knoxville, Tenn. Control switch for the A batteries of radio receiving sets. 1,639,539; Aug. 16.
Smith, A. O., Corporation. (See Palm, Frederick, assignor.)
Smith, A. O., Corporation. (See Stresau, Richard, assignor.)
Smith, Ethel D., Vidalia, Ga. Deflecting shade for headlights. 1,638,967; Aug. 16.
Smith, Frank H., Cleveland, Ohio, assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Steam platen. 1,639,440; Aug. 16.
Smith, George, Richmond, Va. Pan-treating apparatus. 1,639 540; Aug. 16.
Smith, Harry C., Los Angeles, Calif. Drink dispenser. 1,639,619; Aug. 16.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Heating apparatus. 1,639,114; Aug. 16.
Smith, Harry F., assignor to The Gas Research Company, Dayton, Ohio. Stove. 1,639,115; Aug. 16.
Smith, Howard F. (See Patterson, Luther, assignor.)
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,639,235; Aug. 16.
Snyder, Earl T. (See Weber, W. S., and Snyder.)
Società Italiana Ernesto Breda. (See Soncini, Cesare, assignor.)
Society Freres Koechlin. (See Ebersol, Eugène, assignor.)
Soderberg, Carl R., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibration absorber. 1,638,889; Aug. 16.
Soderberg, Carl R., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vibration absorber. 1,638,968; Aug. 16.
Solar Lighting Fixture Co. (See Shardlow, Harry, assignor.)
Sommer, William, assignor to American Hoist & Derrick Company, St. Paul, Minn. Reversing mechanism for hoisting drums. 1,639,151; Aug. 16.
Soncini, Cesare, Brescia, assignor to Società Italiana Ernesto Breda, Milan, Italy. Removable barrel mounting for automatic firearms. 1,639,277; Aug. 16.
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Southwark Foundry & Machine Company. (See Smith, Frank H., assignor.)
Spafford, Claude L. (See Reed, H. J., and Spafford.)
Spahr, Otto, Philadelphia, Pa. Safety razor. 1,639,441; Aug. 16.
Sperry Development Company. (See Sperry, Elmer A., assignor.)
Sperry, Elmer A., Brooklyn, N. Y., assignor to Sperry Development Company, Dover Green, Del. Piston for internal-combustion engines. 1,639,062; Aug. 16.
Spiegel, May, Stern Co. (See Gollnick, Paul A., assignor.)
Spiess, Paul. (See Zoelly, A., and Spiess.)
Spiro, Harry, Chicago, Ill. Dental casting flask. 1,639,416; Aug. 16.
Stacey, William A., Chicago, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric fitting. 1,639,541; Aug. 16.
Staege, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Dynamo-electric machine. 1,638,890; Aug. 16.
Stafford, James G. (See Phillips, E. B., and Stafford.)
Standard Oil Company. (See Lockhart, Luther B., assignor.)
Stanley Works, The. (See Raymond, Horace H., assignor.)
Stanley Works, The. (See Schade, Edmund A., assignor.)
Star Shutter Company. (See Hansen, Francis F., assignor.)
Starke, Otto R. (See Strauss, F., and Starke.)
Stebbings, Eugene, Des Moines, Iowa. Dispensing device. 1,639,388; Aug. 16.
Steel Wheel Corporation. (See Putnam, Alden L., assignor.)

Steinert, Alexander. (See Perron, Samuel H., assignor.)
Steinhardt, Sigmund, New York, N. Y. Hold-up alarm. 1,639,578; Aug. 16.
Stevens, Le Roy W., Chicago, Ill. Building block. 1,639,063; Aug. 16.
Stewart, M. B., et al. (See Patterson, Roy G., assignor.)
Stewart-Warner Speedometer Corporation. (See Parker, Leonard E., assignor.)
Stovall, William M., Port Angeles, Wash. Wrench. 1,638,891; Aug. 16.
Strait Hydro Carbon Oil Burner Company, The. (See Strait, Lacelle C., assignor.)
Strait, Lacelle C., assignor to The Strait Hydro Carbon Oil Burner Company, Sacramento, Calif. Hydrocarbon oil burner. 1,639,064; Aug. 16.
Strauss, Ferdinand, Corporation, The. (See Strauss, F., and Starke, assignors.)
Strauss, Ferdinand, and O. R. Starke, assignors to The Ferdinand Strauss Corporation, New York, N. Y. Tail-wiggling toy. 1,639,442; Aug. 16.
Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding. 1,638,892; Aug. 16.
Sunderland, Charles C., assignor to John A. Roebling's Sons Company, Trenton, N. J. Rope socket. 1,639,236; Aug. 16.
Swarts, Ira T. (See Baker, Arthur R., assignor.)
Swarts, Ira T., trustee. (See Weaver, Albert, assignor.)
Sweeney, Orland R., Ames, Iowa. Elaborating corn stalks into pulp for use in paper making and the like. 1,639,152; Aug. 16.
Swift, George W., jr., Bordentown, N. J. Machine for making one-piece window envelopes. 1,639,010; Aug. 16.
Symington Company, The. (See Kadel, Byers W., assignor.)
Tannenholz, Melville, Brooklyn, N. Y. Luncheon mat for hot plates. Des. 73,271; Aug. 16.
Tarrant, William P., Saratoga Springs, N. Y. Portable spreading device. 1,639,238; Aug. 16.
Tashjian, Armen H., Cleveland, Ohio. Pole or post. 1,639,542; Aug. 16.
Tauschek, Gustav, Vienna, Austria. Arrangement for sorting perforated cards used for statistics, book-keeping, and the like. 1,639,443; Aug. 16.
Taylor, Alfred M., Erdington, Birmingham, England. Electric power transmission. 1,639,473; Aug. 16.
Taylor, Huston, Detroit, Mich. Impact bar for automobile bumpers. 1,639,011; Aug. 16.
Taylor, James H., New York, N. Y., and J. P. Singiser, Chicago, Ill., assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment press. 1,639,355; Aug. 16.
Taylor, Rosa Q., et al. (See Boone, D. C., and Burkett, assignors.)
Technical Glass Company, The. (See Anderson, William A., assignor.)
Tedman, Hudson A., assignor to Winslow Boiler & Engineering Co., Galesburg, Ill. Fire pot for fuel burners. 1,639,153; Aug. 16.
Telecsky, Uros, Akron, Ohio. Gaseous-fuel mixer. 1,639,579; Aug. 16.
Telegraphie-Gesellschaft mit beschränkter Haftung System Stille. (See Hornauer, Willy, assignor.)
Telegraphie-Gesellschaft mit beschränkter Haftung System Stille. (See Scheel, Gustav, assignor.)
Teneau, Valentin C., Pelham, N. Y. Playing-card holder. Des. 73,272; Aug. 16.
Terry, Matson C., Philadelphia, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing machine. 1,639,444; Aug. 16.
Test-Tie Company. (See Zolleis, John G., assignor.)
Thagard, George F., Home Gardens, Calif. Unpluggable bit. 1,639,065; Aug. 16.
Thiel, Theodore. (See Fountain, A., Balsarini, and Thiel.)
Thomas, Herbert J. (See Scofield, L. M., and Thomas.)
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Glow-discharge microphone. 1,638,893; Aug. 16.
Thompson, Robert D. (See Pearod, John, assignor.)
Thompson, Wade B., Detroit, Mich. Magnetic T square. 1,639,580; Aug. 16.
Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
Tillyer, Edgar D., and N. M. Baker, assignors to American Optical Company, Southbridge, Mass. Surfacing machine. 1,639,012; Aug. 16.
Timbs, Edward, Los Angeles, assignor to Union Tool Company, Torrance, Calif. Pulley support for crown blocks. 1,639,116; Aug. 16.
Tinsley, Thomas G., Portland, Oreg. Percolator. 1,638,969; Aug. 16.
Tjossem, Kinney, Paullina, Iowa. Loading gun. 1,639,013; Aug. 16.
Todd, Victor H., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company. Thermo-ammeter. 1,638,894; Aug. 16.
Todd, William C., Victoria, British Columbia, Canada. Lawn sprinkler. 1,639,389; Aug. 16.
Tofteen, Olof A., Chicago, Ill. Fire arch. 1,639,117; Aug. 16.
Toledo Automatic Brush Machine Company, The. (See Jebat, Conrad, assignor.)
Toronto Type Foundry Company Limited. (See Lawson, Albert E., assignor.)
Towers & Sullivan Manufacturing Co. (See Dean, Henry A., assignor.)
Townsend Envelope Machine Company. (See Townsend, Joseph M., assignor.)
Townsend, Joseph M., Worcester, Mass., assignor to Townsend Envelope Machine Company. Envelope-making machine. 1,638,895; Aug. 16.
Trico Products Corporation. (See Malouf, Beshara I., assignor.)
Trinkaus, Alphons, South Pasadena, assignor to Western Blind & Screen Co., Los Angeles, Calif. Venetian-blind tilting-rail fixture. 1,639,249; Aug. 16.
Troup, Charles, Watseka, Ill. Rail joint. 1,639,620; Aug. 16.
Trout, Charles W., Overland, assignor to N. S. T. Automobile Polish Mfg. Co., St. Louis, Mo. Polish. 1,639,316; Aug. 16.
Troyer, Nelson, and M. L. Dodge, Seattle, Wash. Can-end-lining machine. 1,639,118; Aug. 16.
Tuba, John, Whiting, Ind. Safety life-saving fender for cars. 1,639,154; Aug. 16.
Turner Tanning Machinery Company, The. (See Brophy, J. J., and McLaughlin, assignors.)
Turner Tanning Machinery Company, The. (See McLaughlin, George E., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Tool Company. (See Goeser, Edward W., assignor.)
Union Tool Company. (See Timbs, Edward, assignor.)
United Shoe Machinery Corporation. (See Bunker, D. W., and Cummings, assignors.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Minett, assignors.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Hooper, Lester B., assignor.)
United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
United Shoe Machinery Corporation. (See Mackenzie, Fred L., assignor.)
United States Electrical Manufacturing Company. (See Johnson, Carl E., assignor.)
United States of America. (See Jordan, L., and Quick, assignors.)
Universal Draft Gear Attachment Co. (See Mitchell, William A., assignor.)
Valentine, L. L. (See Richards, Pierce F., assignor.)
Valjean, Ben, assignor to Valjean Carburetor Company, San Diego, Calif. Combustion. 1,639,202; Aug. 16.
Valjean Carburetor Company. (See Valjean, Ben, assignor.)
Van Brunt Manufacturing Company. (See Van Brunt, Willard A., assignor.)
Van Brunt, Willard A., Los Angeles, Calif., assignor to Van Brunt Manufacturing Company, Horicon, Wis. Seed-dispensing mechanism. 1,639,317; Aug. 16.
Van Daam, Gerrit, Buffalo, N. Y. Supplying heated air to combustion chambers. 1,639,014; Aug. 16.
Van Dijk, Louis H. G., The Hague, Netherlands. Hair waving or curling device. 1,638,896; Aug. 16.
Van Etten, William V., Everett, Wash. Dirigible headlight. 1,639,119; Aug. 16.
Van Leir, Henry W., Philadelphia, Pa. Insulating flexible shaft couplings. 1,639,240; Aug. 16.
Vantine, A. A., & Co. (See Poses, Jack I., assignor.)
Varaud, André, Geneva, Switzerland. Clockwork for mechanical fuses for artillery projectiles. Re16,703; Aug. 16.
Varnado, Samuel W., Baton Rouge, La. Spreader. 1,639,203; Aug. 16.
Vaughan, William, Salem, Ohio. Window-operating device. 1,638,897; Aug. 16.
Vaughn, Joshua E., Los Angeles, Calif. Pivoted-closure operating means and circuit closer. 1,639,581; Aug. 16.
Veaco, James F., Oakland, Calif. Continuous-tone piano action. 1,639,241; Aug. 16.
Velten, Augustus C., Traverse City, Mich. Curling iron. 1,639,015; Aug. 16.
Verateeg, Anton, Houston, Tex. Rotary drill. 1,639,242; Aug. 16.
Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Clutch and brake control mechanism. 1,639,543; Aug. 16.
Viet, Paul, Billancourt, France. Automatic starting device for internal-combustion engines. 1,639,582; Aug. 16.
Viewegh, John H., Indianapolis, Ind. Plant stand. 1,639,318; Aug. 16.
Visible Gasoline Filter Company. (See Fell, William, assignor.)
Von Soden-Fraunhofen, Graf A., assignor, by mesne assignments, to the Firm: Zahnradfabrik Aktiengesellschaft, Friedrichshafen, Germany. Change-speed gear. 1,639,174; Aug. 16.
Wadsworth Core Machine & Equipment Company, The. (See Hughes, Hugh T., assignor.)
Walker, George, Newton, Mass. Ship's instrument. 1,638,970; Aug. 16.
Walker, George, Newton Center, Mass. Distance indicator for ships, etc. 1,638,971; Aug. 16.

Walker, George, Newton Center, Mass. Ship's instrument. 1,638,972; Aug. 16.
Walker, George, Newton Center, Mass. Distance-measuring apparatus for ships, etc. 1,638,973; Aug. 16.
Walker, John C. (See Born, S., Bonnette, and Walker.)
Wallace, George W., San Francisco, Calif. Making activated carbon. 1,639,356; Aug. 16.
Wallace, George W., San Francisco, Calif. Carbonizing apparatus. 1,639,390; Aug. 16.
Wallace, George W., San Francisco, Calif. Distilling and gasifying solid carbonaceous fuel. 1,639,391; Aug. 16.
Wallace, George W., San Francisco, Calif. Carbonizing fuel. 1,639,417; Aug. 16.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,639,544; Aug. 16.
Walsh, James M., assignor to James M. Walsh Co., Milwaukee, Wis. Throat-strap connecter. 1,639,066; Aug. 16.
Walsh, James M., assignor to James M. Walsh Co., Milwaukee, Wis. Martingale strap and connecter. 1,639,067; Aug. 16.
Walsh, James M., Co. (See Walsh, James M., assignor.)
Walton, Joseph S., Los Angeles, Calif. Combination hair curler and waver. 1,639,357; Aug. 16.
Ward-Love Pump Corporation. (See Johnson, Oscar W., assignor.)
Waschnack, Adolf, Neu Finkenkrug, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 1,639,445; Aug. 16.
Washburn, Richard C., Saugerties, N. Y. Ice-cream-can jacket. 1,639,418; Aug. 16.
Weaver, Albert E., assignor, by mesne assignments, to I. T. Swartz, trustee, Indianapolis, Ind. Carburetor. 1,639,621; Aug. 16.
Weaver, Lonnie C., Deming, N. Mex. Automatic control for windmills. 1,639,545.
Weber, Mathias J., assignor to Continental Scale Works, Chicago, Ill. Weighing scale. 1,639,120; Aug. 16.
Weber, Mathias J., assignor to Continental Scale Works, Chicago, Ill. Infant scale. 1,639,121; Aug. 16.
Weber, Walter S., and E. T. Snyder, Reading; said Walter S. Weber assignor to R. C. Rahm, Wyomissing, Pa. Candy mixing and kneading machine. 1,639,319; Aug. 16.
Webert, Louis P., Waterbury, Conn. Heater. 1,638,974; Aug. 16.
Weiland, Alfred, Neshanic, N. J., assignor to Pneumatic Appliances Corporation, New York, N. Y. Vehicle bumper. Re16,706; Aug. 16.
Weiler, Theodore H., et al. (See Broyles, John E., assignor.)
Weintz, Jacob, Cleveland, Ohio. Rotary heating furnace. 1,639,243; Aug. 16.
Welch, Herman L., Los Angeles, Calif. Pocketknife-sharpening device. 1,639,204; Aug. 16.
Wellman, Frank E., assignor to Kansas City Gasoline Company, Kansas City, Kans. Apparatus for heating oils. 1,639,622; Aug. 16.
Wellman, Samuel K., and G. R. Pennington, Cleveland Heights, Ohio. Equalizing brake for vehicles. 1,639,320; Aug. 16.
Welty, George D., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Piston. 1,638,898; Aug. 16.
Wendle, Virgil P., and M. L. Hunker, assignors to The Reeves Manufacturing Company, Dover, Ohio. Closure for containers. 1,639,244; Aug. 16.
West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
Westbrook, James R. (See Schweiker, M. A., and Westbrook.)
Western Blind & Screen Co. (See Trinkaus, Alphons, assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Horton, Joseph W., assignor.)
Western Electric Company. (See Marrison, Warren A., assignor.)
Western Supplies Co. (See Woodworth, Roy V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, John F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Blebel, Herman M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, W. M., and Ashbaugh, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brannigan, Edward J., assignor.)
Westinghouse Electric and Manufacturing Company. (See Coates, W. A., and Davies, assignors.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Foster, Julius E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Haverstick, Earl J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jorstad, Osmund M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Keene, Alvin D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric and Manufacturing Company. (See MacMurchy, John A., assignor.)
Westinghouse Electric & Manufacturing Company. (See McCarty, Roy A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Miller, William L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Newmeyer, William L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pruger, Raoul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Reagan, Maurice E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Todd, Victor H., assignor.)
Westover, Leslie E., Denver, Colo. Bearing cap and work holder. 1,639,245; Aug. 16.
Westrick, Henry F., New Point, Ind. Cultivator attachment. 1,639,358; Aug. 16.
Wharton, Sidney L. and D. R. Peevey, Burkburnett, Tex. Shade-roller fixture. 1,639,278; Aug. 16.
Wheelock, Ernest O., Rockford, Ill. Gauge. 1,639,321; Aug. 16.
Whitaker, William A., Springfield, Mo. Skid-chain and rope or flexible-material misplacement. 1,639,205; Aug. 16.
White, J. H., Manufacturing Company. (See Kahns, W. R., and Keller, assignors.)
White, John W., Buffalo, N. Y. Fuel pump. 1,639,623; Aug. 16.
White Motor Company, The. (See Church, Harold D., assignor.)
Whitin Machine Works. (See Hartley, Ellis, assignor.)
Whitman, Louis J., Cincinnati, Ohio. Scraper mold. 1,639,122; Aug. 16.
Whitmore, John P., San Marino, Calif., assignor to Columbia Mills Incorporated, New York, N. Y. Window blind. 1,639,474; Aug. 16.
Wieland, Charles G., New York, N. Y. Diaphragm for telephone receivers. 1,639,546; Aug. 16.
Wieland, Eberhard, Pforzheim, Germany. Production of articles and covers from resinous compositions. 1,639,475; Aug. 16.
Wilber, Claude F., Tulsa, Okla. Stitch remover. 1,638,899; Aug. 16.
Wiley, Edgar C., assignor to Simplex Heating Specialty Company Inc., Lynchburg, Va. Direct-return trap. 1,638,900; Aug. 16.
Wilhelmi, Gustave C., Cleveland, Ohio. Sound amplifier. 1,639,359; Aug. 16.
Willard Storage Battery Company. (See Dunzweiler, Carl J., assignor.)
Willbrandt, Blanche, et al. (See Krystofiak, Josef, assignor.)
Willbrandt, Emil, et al. (See Krystofiak, Josef, assignor.)
Williams Foundry and Machine Company, The. (See Garrigues, William C., assignor.)
Williams, Richard A., and W. L. Bigsby, assignor to Yates-American Machine Company, Beloit, Wis. Sander drum. 1,639,155; Aug. 16.
Williams, William E., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Wheel-spoke bar. 1,639,068; Aug. 16.
Williams, William E., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Disk wheel and rim therefor. 1,639,322; Aug. 16.
Williamson, Louis S., and B. A. De Bord, Temple, Tex. Adjustable awning frame for motor vehicles. 1,638,901; Aug. 16.
Willis, Charles E., New York, N. Y. Book match. 1,639,476; Aug. 16.
Willows, James F., Doreniee, Alberta, Canada. Stooking machine. 1,639,123; Aug. 16.
Willrodt, Fred L., Pukwana, S. Dak. Steering attachment for tractors. 1,639,246; Aug. 16.
Wills, Childe H., Marysville, Mich. Spare-wheel lock. 1,639,069; Aug. 16.
Wilmert, Charlie W., Coalinga, Calif. Double-bed cover. 1,639,156; Aug. 16.
Wilson, Samuel H., Glasgow, Scotland. Trough and splash guard for rotary polishing or abrading devices. 1,639,419; Aug. 16.
Wilson, Theodore R., Peshastin, Wash. Uniform-compression internal-combustion engine. 1,639,477; Aug. 16.
Wimplex Heating Specialty Company Inc. (See Wiley, Edgar C., assignor.)

Winkle, George J., Philadelphia, Pa., assignor to The Frederick Iron and Steel Company, Frederick, Md. Wearing ring for rotary elements. 1,639,279; Aug. 16.
Winslow Boiler & Engineering Co. (See Tedman, Hudson A., assignor.)
Winston, Marvin T. (See Payson, Edward B., assignor.)
Wisconsin Trust Company of Milwaukee, executor. (See Miller, Henry C.)
Wittenberg, Robert, Breslau, Germany. Fastening device. 1,639,302; Aug. 16.
Wittlinger, Richard, Goppingen, Germany. Making household articles. 1,638,902; Aug. 16.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Phonograph cabinet. Des. 73,273; Aug. 16.
Wolfram, Arthur, Hochst, Germany, assignor to the Firm Durand & Huguenin S. A., Basel, Switzerland. Manufacture of stable derivatives of vat dyestuffs. 1,639,206; Aug. 16.
Woltzendorff, Friedrich, Berlin, Germany. Machine for cutting gears. 1,639,624; Aug. 16.
Wood, Clarence O. (See Riley, L. H., and Wood.)
Wood, Rodney J., Dayton, Ohio. Protected card-index system. 1,639,016; Aug. 16.
Woodruff, Benjamin F., assignor of one-half to W. J. McHargue, Blue Diamond, Ky. Roundabout. 1,639,393; Aug. 16.
Woodruff, Joseph W., Elizabeth, N. J. Automatic force-feed lubricator. 1,639,017; Aug. 16.
Woodworth, Roy V., assignor to Western Supplies Co., St. Louis, Mo. Marking machine. 1,639,360; Aug. 16.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,638,903; Aug. 16.
Worcester Blit-Rite Company. (See Arey, Ralph G., assignor.)
Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
Wünsch, Erich P. G., Steglitz, near Berlin, assignor to Askania-Werke Aktiengesellschaft vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Retort and gas-flow-regulating apparatus. 1,639,394; Aug. 16.
Yancey, Samuel H., Rock Island, and H. S. Dickinson, Moline, assignors to Berry Shocker Incorporated, Chicago, Ill. Grain shocker. 1,639,478; Aug. 16.
Yates-American Machine Company. (See Williams, R. A., and Bigsby, assignors.)
Zahnradfabrik Aktiengesellschaft. (See von Soden-Fraunhofen, Graf A., assignor.)
Zander, Walter E., assignor to Schletter & Zander, Inc., Philadelphia, Pa. Stocking. Des. 73,274; Aug. 16.
Zannoth, Robert C., assignor to The Roberts Brass Company, Milwaukee, Wis. Attaching means for combination faucets. 1,639,446; Aug. 16.
Zeiss, Firm of Carl. (See Mechau, Robert, assignor.)
Zoelly, Alfred, and P. Spiess, Zurich, Switzerland. Rotor blading for rotary engines, particularly for steam turbines and gas turbines. 1,639,247; Aug. 16.
Zollcis, John G., assignor to Test-Tite Company, Philadelphia, Pa. Bathroom fixture. 1,639,248; Aug. 16.
Zubaty, Joseph, Flint, Mich. Brake. 1,638,904; Aug. 16.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Activated nitrogen and of oxides of nitrogen therefrom, Production of. W. A. Bone. 1,639,584; Aug. 16.
Addressing machines, Listing attachment for. P. A. Gollnick. 1,639,131; Aug. 16.
Adhesive lacquer or varnish composition. C. R. Bragdon. 1,639,395; Aug. 16.
Advertising device. C. E. Betsler. 1,639,482; Aug. 16.
Aeroplane. W. L. Gilmore. 1,639,029; Aug. 16.
Aeroplanes, Apparatus for gun mounting, laying, and sighting for artillery on. E. Schneider. 1,638,962; Aug. 16.
Aeroplanes, Safety device for. A. E. Fixel. 1,638,840; Aug. 16.
Air cleaner. T. A. Reilly. 1,639,467; Aug. 16.
Air-cooled engine. A. F. Brotz. 1,639,022; Aug. 16.
Aircraft, Latitude indicator for. G. P. Luckey. 1,639,229; Aug. 16.
Air register. E. H. Peabody. 1,639,056; Aug. 16.
Airship. S. Richardsen. 1,638,961; Aug. 16.
Alarm: *See*—
  Hold-up alarm. Theft alarm.
Alloy. L. Jordan and G. W. Quick. 1,638,855; Aug. 16.
Alloys, Making. J. H. L. De Bats. 1,639,330; Aug. 16.
Ammonia, Direct synthesis of. F. C. Reed. 1,639,272; Aug. 16.
Amplifier or enunciator. R. Linn. 1,638,942; Aug. 16.
Amusement device. A. M. Dritz. 1,639,596; Aug. 16.
Anchor, Bolt. J. E. Ogden. 1,639,231; Aug. 16.
Arch and ankle support. I. M. Pease. 1,639,198; Aug. 16.
Arch sling, Multiple-. E. D. George. 1,638,842; Aug. 16.
Artillery projectiles, Clockwork for mechanical fuses for. A. Varaud. Re16,703; Aug. 16.
Ash tray, Cigarette-extinguishing. W. H. J. Hipple, jr. 1,639,036; Aug. 16.
Automobile body construction. A. J. Hollingshead. 1,639,037; Aug. 16.
Automobile signal. G. Kucipak. 1,639,192; Aug. 16.
Automobile signal casing. J. W. Gunn. Des. 73,257; Aug. 16.
Automobiles and making the same, Axle housing and gear casing for. F. Palm. 1,638,873; Aug. 16.
Automobiles, Apparatus for tilting. J. R. Holcombe. 1,638,931; Aug. 16.
Automobiles, Screen for. N. L. Colton. 1,639,589; Aug. 16.
Axle construction, Front-. T. H. Oppenheim and B. Selhorst. 1,638,953; Aug. 16.
Bag: *See*—
  Hand bag.
Bag fastener. W. C. Hiering. 1,639,293; Aug. 16.
Bag-filling device. P. Lassen. 1,639,517; Aug. 16.
Bags and the like, Handle for hand. D. I. Reiter. 1,639,574; Aug. 16.
Bags, Hanger for wardrobe. D. London. 1,638,945; Aug. 16.
Balancing machine. M. C. Terry. 1,639,444; Aug. 16.
Bank, Coin. I. J. Kusel. 1,639,344; Aug. 16.
Bar: *See*—
  Wheel-spoke bar.
Basket. A. L. Kelley. Des. 73,260; Aug. 16.
Bath-brush holder. W. M. Brown. 1,639,366; Aug. 16.
Bathroom fixture. J. G. Zolleis. 1,639,248; Aug. 16.
Battery grids, Art of and apparatus for making storage-. T. S. Cole. 1,639,641; Aug. 16.
Battery plates, Art of and apparatus for making. T. S. Cole and S. Johnson. 1,639,640; Aug. 16.
Bearing cap and work holder. L. E. Westover. 1,639,245; Aug. 16.
Bearing, Journal. W. A. Pitt. 1,638,957; Aug. 16.
Bearings, Making roller. C. E. Robson. 1,639,351; Aug. 16.
Bedclothes holder. A. W. Brater. 1,638,912; Aug. 16.
Bed cover, double-. C. W. Wilmert. 1,639,156; Aug. 16.
Bed, Folding. W. A. Burger. 1,639,163; Aug. 16.
Bed, Folding. G. F. Sisbower and L. E. Pittoni. 1,639,237; Aug. 16.
Belt. C. P. Moretti and E. Mezzera. 1,639,383; Aug. 16.
Belt connecter, Expansible. J. E. Alm. 1,639,250; Aug. 16.
Bench, waste-paper receptacle, and automat stand, Combined advertising. M. B. Fohey. 1,639,085; Aug. 16.
Bill hook. C. J. Kortz. 1,639,137; Aug. 16.
Binder, Loose-leaf. H. C. Miller. 1,639,305; Aug. 16.
Binder, Loose-leaf. J. J. Pott. 1,638,878; Aug. 16.
Bit: *See*—
  Rotary bit. Unpluggable bit.

Blade holder. H. J. Gaisman. 1,639,335; Aug. 16.
Block: *See*—
  Building block. Pulley block.
Board: *See*—
  Ironing board. Wall board.
  Signboard.
Body-forming mechanism. P. H. Lange. 1,639,518; Aug. 16.
Boiler: *See*—
  Water-tube boiler.
Boilers, Antiscale material for. A. G. Doe. 1,639,027; Aug. 16.
Bookcase. L. W. Seward. 1,639,387; Aug. 16.
Book match. C. E. Willis. 1,639,476; Aug. 16.
Books, Manufacture of manifolding. A. R. Lawson. 1,639,040; Aug. 16.
Boot, Hunting. W. J. Hamilton. 1,639,560; Aug. 16.
Boots, shoes, clogs, and the like footwear, Detachable heel for. F. A. Hutchinson. 1,639,433; Aug. 16.
Bottle, Milk. D. F. Cunningham. 17,639,398; Aug. 16.
Bottle, Nursing. G. B. McMullen. 1,639,096; Aug. 16.
Bottle or similar container. J. I. Poses. Des. 73,267; Aug. 16.
Bottle-vending machine. J. E. Sapp. 1,639,615; Aug. 16.
Box: *See*—
  Vanity box.
Box and the like, Paper. S. Bergstein. 1,639,281; Aug. 16.
Box-making machine and the like. S. Bergstein. 1,639,283; Aug. 16.
Box-sealing machine and the like. S. Bergstein. 1,639,282; Aug. 16.
Box support, Outlet-. H. Ginsburg. 1,639,496; Aug. 16.
Bracket: *See*—
  Roofing bracket.
Brake: *See*—
  Compound brake. Motor brake.
  Hydraulic brake.
Brake. M. W. McConkey. 1,639,142; Aug. 16.
Brake. J. Zubaty. 1,638,904; Aug. 16.
Brake-adjusting device. M. La Londe. 1,639,379; Aug. 16.
Brake-applying means. L. E. La Brie. 1,639,095; Aug. 16.
Brake-dressing compound and making same. G. W. Nash. 1,639,611; Aug. 16.
Brake drum and lining. A. Lonson. 1,639,519; Aug. 16.
Brake-head support. A. and C. Christianson. 1,639,256; Aug. 16.
Brake-operating mechanism. P. Bastien. 1,639,071; Aug. 16.
Branding machine. F. Hayes. 1,639,291; Aug. 16.
Bridge attachment, Method of and apparatus for. D. Baratt. 1,638,820; Aug. 16.
Brush, Fountain spray. E. H. Boucher. 1,639,586; Aug. 16.
Brush-making machine. C. E. Fisher. 1,639,557; Aug. 16.
Building block. L. W. Stevens. 1,639,063; Aug. 16.
Building construction. D. B. Danielson. 1,639,399; Aug. 16.
Building form. F. L. Decker. 1,639,594; Aug. 16.
Building, Portable. G. F. Slater. 1,639,577; Aug. 16.
Bumper, Vehicle. A. Welland. Re16,706; Aug. 16.
Bumpers, Impact bar for automobile. H. Taylor. 1,639,011; Aug. 16.
Burner: *See*—
  Oil burner. Sulphur burner.
Burner. S. G. Long. 1,639,518; Aug. 16.
Bushing, Drill-stem roller driving. E. W. Goeser. 1,639,337; Aug. 16.
Cabinet, Dining. E. T. E. and E. G. Mangels. 1,639,141; Aug. 16.
Cabinet, Phonograph. J. Wolff. Des. 73,273; Aug. 16.
Can: *See*—
  Milk can.
Can bodies, System of handling. P. H. Lange. 1,639,512; Aug. 16.
Can-end-lining machine. N. Troyer and M. L. Dodge. 1,639,118; Aug. 16.
Can jacket, Ice-cream-. R. C. Washburn. 1,639,418; Aug. 16.
Can opener. W. D. Lamb. 1,639,193; Aug. 16.
Can-printing machine. W. F. Hebrank. 1,638,850; Aug. 16.
Candy mixing and kneading machine. W. S. Weber and E. T. Snyder. 1,639,319; Aug. 16.

Cap. S. Rosenberg and E. N. Joha. 1,639,468; Aug. 16.
Car-heating system. E. H. Gold. 1,639,338; Aug. 16.
Cars, Automatic speed control for motor. L. W. Davis and E. S. Bursley. 1,638,836; Aug. 16.
Cars, Brake mechanism for railway. C. L. Moorman. 1,639,306; Aug. 16.
Cars, Hopper for refrigerating. H. A. Glenn and L. S. Dromgold. 1,639,176; Aug. 16.
Cars, Safety life-saving fender for. J. Tuba. 1,639,164; Aug. 16.
Cars, Wall structure for railway. J. McMullen. 1,639,264; Aug. 16.
Carbon, Making activated. G. W. Wallace. 1,639,356; Aug. 16.
Carbonizing apparatus. G. W. Wallace. 1,639,390; Aug. 16.
Carburetor. A. E. Weaver. 1,639,621; Aug. 16.
Card holder, Playing-. V. C. Teneau. Des. 73,272; Aug. 16.
Cards used for statistics, bookkeeping, and the like, Arrangement for sorting perforated. G. Tauschek. 1,639,443; Aug. 16.
Carrier: *See*—
  Garment carrier. Tilting carrier.
  Package carrier.
Case: *See*—
  Show case. Vanity case.
  Traveling case.
Casket, skid, and dolly, Combined. W. A. Hall. 1,639,035; Aug. 16.
Casting appliance, Centrifugal. L. W. Ayers. 1,639,253; Aug. 16.
Cellulose, Fermentation of. H. Langwell. 1,639,571; Aug. 16.
Centrifugal apparatus. J. M. Schutz. 1,639,538; Aug. 16.
Centrifugal fixture. C. G. Hawley. 1,639,562; Aug. 16.
Chain lock and rope or flexible-material misplacement, Skid-. W. A. Whitaker. 1,639,205; Aug. 16.
Chair: *See*—
  Folding chair. Nursery chair.
Chair. F. Braughler. Des. 73,249; Aug. 16.
Chair headrest, Barber's. J. E. Lseater. 1,639,194; Aug. 16.
Chairs and the like, Canopy for. C. A. Blackwood. 1,639,074; Aug. 16.
Chandelier or the like. M. Peinlich. Des. 73,266; Aug. 16.
Church contribution chest. R. Anson. Des. 73,248; Aug. 16.
Cigar lighter. L. V. Aronson. 1,639,479; Aug. 16.
Cigar lighter, Electrical. H. Overen. 1,639,465; Aug. 16.
Cigarette and match-box container, Combination. T. J. Maxey. 1,639,461; Aug. 16.
Cigarette-delivering container, Automatic. C. Jesnig. 1,639,295–6; Aug. 16.
Circuit interrupter, Automatic reclosing. M. E. Reagan. 1,638,880; Aug. 16.
Circuits, Regulating transmission. H. Nyquist. 1,639,952; Aug. 16.
Circulating tube. J. F. Arthur. 1,639,252; Aug. 16.
Clamp: *See*—
  Hat-block clamp. Wire clamp.
  Panel clamp.
Clamp. J. M. Hargrave. 1,638,848; Aug. 16.
Clamp. J. M. Hargrave. 1,639,561; Aug. 16.
Clamping device. J. F. Loucks. 1,639,189; Aug. 16.
Clamping or separating device. T. A. Rotsch. 1,639,111; Aug. 16.
Clay products, Process and apparatus for burning. J. A. Reams. 1,639,271; Aug. 16.
Cleaner: *See*—
  Air cleaner. Smoke cleaner.
  Pipe cleaner. Windshield cleaner.
  Screen cleaner.
Clock, Automobile. L. Edelmann. 1,639,598; Aug. 16.
Clock, Compound-pendulum. T. S. Casner. 1,638,917; Aug. 16.
Closure operator. O. W. Johnson. 1,639,091; Aug. 16.
Clothesline support. A. and J. Russo. 1,639,275; Aug. 16.
Clothespin. A. L. Broking. 1,638,979; Aug. 16.
Clutch and brake control mechanism. G. K. Viall. 1,639,548; Aug. 16.
Clutch motor. E. A. McCarty. 1,638,949; Aug. 16.
Clutch motors, Roller bearing for. R. Pruger. 1,638,959; Aug. 16.
Coal-cutting machine. J. C. Brackett. 1,639,255; Aug. 16.
Coatings, Removal of. W. H. Allen. 1,639,070; Aug. 16.
Combustion. B. Valjean. 1,639,202; Aug. 16.
Combustion chambers, Supplying heated air to. G. van Daam. 1,639,014; Aug. 16.
Compound brake. E. P. Renaux. 1,639,149; Aug. 16.
Condenser. W. Dubilier. 1,639,597; Aug. 16.
Conductor support. W. S. Mayer. 1,639,527; Aug. 16.
Cone-making machine. D. W. Mitchell and G. O. Robinson. 1,639,097; Aug. 16.
Confectionery-coating machine. J. Massarella. 1,639,263; Aug. 16.
Connecting device. F. and C. A. Bourne. 1,638,978; Aug. 16.
Container. J. Kaufman. 1,639,509; Aug. 16.
Container. A. B. Payson and W. R. Hastedt. 1,639,529; Aug. 16.
Container, Metal. J. H. O'Neil. 1,639,349; Aug. 16.
Containers, Closure for. V. P. Wendle and M. L. Hunker. 1,639,244; Aug. 16.
Continuous press. A. Columbro. 1,638,981; Aug. 16.
Conveying and piling apparatus. H. A. E. Nilsson. 1,639,435; Aug. 16.
Cooking utensils, Cover-indexing device and fastener for. R. N. Kircher. 1,639,098; Aug. 16.
Copper, zinc, and other metals from solutions containing chlorides and sulphates. K. Mattenklodt and H. Schramm. 1,639,610; Aug. 16.
Cordage, Manufacture of. W. K. Lewis. 1,639,041; Aug. 16.
Core, Multipart. M. Guyot. 1,638,846; Aug. 16.
Corer, Apple and pear. C. A. Maile. 1,639,523; Aug. 16.
Cottonseed hulls, Process and apparatus for delinting. T. J. Kidd. 1,639,568; Aug. 16.
Coupler mechanism. E. P. Kinne. 1,639,300; Aug. 16.
Coupling: *See*—
  Flexible coupling. Shaft coupling.
Coupling. C. Hofland. 1,639,609; Aug. 16.
Cover, Sanitary. J. Kim. Re16,705; Aug. 16.
Crank and pitman mechanism. H. Ford. 1,639,334; Aug. 16.
Crate, Shipping. H. A. Clark. 1,639,555; Aug. 16.
Crib, Folding. L. Rautenberg. 1,639,110; Aug. 16.
Crown blocks, Pulley support for. E. Timbs. 1,639,116; Aug. 16.
Crust breaker. P. Neu. 1,639,307; Aug. 16.
Cultivator. I. W. and L. E. Miller. 1,639,463; Aug. 16.
Cultivator attachment. H. F. Westrick. 1,639,358; Aug. 16.
Curler and waver, Combination hair. J. S. Walton. 1,639,357; Aug. 16.
Curling iron. A. P. Kletz. 1,639,136; Aug. 16.
Curling iron. A. C. Velten. 1,639,015; Aug. 16.
Curtain rod. G. A. Booth. 1,639,551; Aug. 16.
Curtain stretcher. L. N. Bourdeau. 1,638,824; Aug. 16.
Cutter: *See*—
  Food cutter.
Cutter head. J. R. Coville. 1,639,488; Aug. 16.
Cutter head. J. A. Eden, jr. 1,639,028; Aug. 16.
Dental articulator. W. R. Badger. 1,639,626; Aug. 16.
Dental casting flask. H. Spiro. 1,639,416; Aug. 16.
Dental flask. D. Folb. 1,639,404; Aug. 16.
Dental mold. J. Luks and J. M. Garnett. 1,639,262; Aug. 16.
Diagnostic instrument. H. L. De Zeng. 1,638,986; Aug. 16.
Dial control, Illuminated-. S. A. Shapiro. 1,639,618; Aug. 16.
Digester. C. Riddle. 1,639,612; Aug. 16.
Direct-return trap. E. C. Wiley. 1,638,900; Aug. 16.
Disk harrow. W. L. Paul. 1,639,104; Aug. 16.
Dispenser. H. D. Fiegel. 1,639,370; Aug. 16.
Dispenser. S. J. Poplawski. 1,639,415; Aug. 16.
Dispensing apparatus. F. Huber. 1,639,564; Aug. 16.
Dispensing device. E. Stebbings. 1,639,388; Aug. 16.
Dispensing service. J. A. Conques. 1,639,329; Aug. 16.
Dispensing mechanism, Seed-. W. A. Van Brunt. 1,639,317; Aug. 16.
Dolls and other figure toys, Forming eye openings in the heads of. L. J. Grubman. 1,639,033; Aug. 16.
Door handle, Outside. F. E. Greene. Des. 73,256; Aug. 16.
Door hanger. G. H. Knight. 1,639,378; Aug. 16.
Door lock. J. P. Fredrick. 1,639,086; Aug. 16.
Door-lock mechanism and burglar alarm, Combined. G. Jakopec and V. Schwarz. 1,639,565; Aug. 16.
Door-operating means. T. Flemming. 1,639,130; Aug. 16.
Draft rigging. B. W. Kadel. 1,639,567; Aug. 16.
Drawing demonstrator, Mechanical-. R. F. Ashbrook. 1,639,448; Aug. 16.
Drawing press. F. J. Rode. 1,638,881; Aug. 16.
Drier: *See*—
  Shoe-sole drier.
Drill: *See*—
  Rotary drill.
Drilling tools, Feeding device for cable. J. Penrod. 1,638,876; Aug. 16.
Drink dispenser. H. C. Smith. 1,639,619; Aug. 16.
Dyestuffs, Manufacture of stable derivatives of vat. A. Wolfram. 1,639,206; Aug. 16.
Egg cases, Apparatus for removing contents of. H. G. Collis. 1,639,487; Aug. 16.
Egg-preservation process and product thereof. A. J. Bellamy. 1,639,549; Aug. 16.
Eggs, Device for candling. E. H. Mueller. 1,638,870; Aug. 16.
Electric controllers, Operating mechanism for. C. T. Evans. 1,638,838; Aug. 16.
Electric fitting. W. A. Stacey. 1,639,541; Aug. 16.
Electric furnace. A. D. Keene. 1,638,837; Aug. 16.
Electric heater unit. O. A. Colby. 1,638,829; Aug. 16.
Electric lifts and the like, Apparatus for the control and operation of. J. B. M. Knutsen. 1,639,190; Aug. 16.
Electric machine, Dynamo-. S. A. Staege. 1,638,890; Aug. 16.
Electric switch. C. Aalborg. 1,638,905; Aug. 16.
Electric switch. T. A. Pangburn. 1,639,196–7; Aug. 16.
Electric switch. A. R. Rice. 1,639,533; Aug. 16.
Electric toasting device. M. F. Fitzgerald. 1,639,403; Aug. 16.
Electrical connecter device. R. B. Benjamin. 1,639,125; Aug. 16.

Electrical connecter socket of the wall and plug type. M. G. Sáenz. 1,639,437; Aug. 16.
Electrical connecting unit. H. F. Richardson. 1,639,310; Aug. 16.
Electrical device and the manufacture thereof. J. H. Cohen. 1,639,258; Aug. 16.
Electrical mine igniters, Apparatus for making. O. Schmitt. 1,639,311; Aug. 16.
Electrode. A. Kirkaldy. 1,639,457; Aug. 16.
Electrode, Dry-cell. H. D. Hodge. 1,638,995; Aug. 16.
Electrodes, Building up self-baking. M. O. Sem. 1,639,007; Aug. 16.
Electrodes, Production of. E. Kleinschmidt. 1,639,188; Aug. 16.
Elevator: *See*—
Garage elevator.
Engine: *See*—
Air-cooled engine. Internal-combustion engine.
Explosive engine.
Engine ignition lock. J. G. Schuler. 1,639,354; Aug. 16.
Engines, Automatic starting device for internal-combustion. P. Viet. 1,639,582; Aug. 16.
Engines, Carburetor for internal-combustion. C. Carlson. 1,639,396; Aug. 16.
Engines, Cylinder for gasoline. W. B. Hilger. 1,638,852; Aug. 16.
Engines, Lubricant for automotive. L. B. Lockhart. 1,639,347; Aug. 16.
Engines, Piston for internal-combustion. E. A. Sperry. 1,639,062; Aug. 16.
Engines, Temperature control of the air constituent of fuel for explosive. E. H. Gross. 1,639,032; Aug. 16.
Engines, Temperature regulator for internal-combustion. J. A. Klinnard. 1,639,299; Aug. 16.
Envelope-making machine. J. M. Townsend. 1,638,895; Aug. 16.
Envelope, Patent. J. C. Johnson. 1,639,566; Aug. 16.
Envelopes, Machine for making one-piece window. G. W. Swift, jr. 1,639,010; Aug. 16.
Excavator, Ground. M. De Grassi. 1,639,215; Aug. 16.
Explosive engine. H. Ford. 1,639,333; Aug. 16.
Extension table. R. Krüger. 1,639,510; Aug. 16.
Eye protector. E. Hentsch. 1,638,851; Aug. 16.
Fabrics, Making selvaged-edged. W. C. Fisher. 1,639,224; Aug. 16.
Fastening device. R. Wittenberg. 1,639,392; Aug. 16.
Fastening device, Material-. C. Betz. 1,639,072; Aug. 16.
Faucet. J. W. Burnett. 1,639,326; Aug. 16.
Faucet, Float-controlled. A. B. Cravath. 1,639,556; Aug. 16.
Faucets, Attaching means for combination. R. C. Zannoth. 1,639,440; Aug. 16.
Feed compound, Stock-. A. B. Schreiber. 1,638,963; Aug. 16.
Feed, Producing animal. A. B. Schreiber. 1,638,964; Aug. 16.
Fence attachment, Poultry-. H. S. Small. 1,638,966; Aug. 16.
Fence post. A. S. Hook. 1,639,638; Aug. 16.
Fence post. J. W. Meaker and W. P. Gleason. 1,639,195; Aug. 16.
Fertilizers, Manufacture of. C. Bosch. 1,639,585; Aug. 16.
Filing drawers, Follower block for. L. H. Dodge. 1,638,987; Aug. 16.
Filter, Air. O. V. Greene. 1,639,132; Aug. 16.
Filter element. O. V. Greene. 1,639,133; Aug. 16.
Filter, Gasoline. W. Fell. 1,639,170; Aug. 16.
Fire arch. O. A. Toffteen. 1,639,117; Aug. 16.
Firearm, Automatic. V. Capolupo. 1,639,425; Aug. 16.
Firearms, Removable barrel mounting for automatic. C. Soncini. 1,639,277; Aug. 16.
Fire boxes, Apparatus for distributing gas and air in. J. C. Law. 1,639,642; Aug. 16.
Firecracker. T. G. Hiltt. 1,638,994; Aug. 16.
Fishhook and bait, Concealable releasably-secured. R. Danielson. 1,638,923; Aug. 16.
Fishing reels, Click mechanism for. F. M. Case. 1,639,629; Aug. 16.
Fixture hanger. G. B. Hoobler. 1,639,432; Aug. 16.
Flacon. R. T. Brewster. Des. 73,250; Aug. 16.
Flash-light controlling means, Electric. G. K. V. Johanson. 1,639,507; Aug. 16.
Flask: *See*—
Dental flask. Dental casting flask.
Flexible coupling. K. Baumann. 1,639,481; Aug. 16.
Floor and wall tile, Tool and machine for fettling. M. A. Schweiker and J. R. Westbrook. 1,639,016; Aug. 16.
Floor-laying device. W. C. Daniel. 1,638,985; Aug. 16.
Flow indicator. R. E. Hanson. 1,639,342; Aug. 16.
Flushing mechanism. L. G. and J. F. Giardino. 1,639,288; Aug. 16.
Fly swatter. M. W. Gatch. 1,639,559; Aug. 16.
Fly swatter. N. T. Hendrickson and C. Roholt. 1,639,292; Aug. 16.
Folding chair. W. C. Rastetter. 1,638,879; Aug. 16.
Food cutter, Household. S. Freilino. 1,638,991; Aug. 16.
Force-feed lubricator, Automatic. J. W. Woodruff. 1,639,017; Aug. 16.
Frame: *See*—
Printing frame.
Fuel burners, Fire pot for. H. A. Tedman. 1,639,153; Aug. 16.
Fuel, Carbonizing. G. W. Wallace. 1,639,417; Aug. 16.
Fuel, Distilling and gasifying solid carbonaceous. G. W. Wallace. 1,639,391; Aug. 16.
Fuel mixer, Gaseous-. U. Telecsky. 1,639,579; Aug. 16.
Furnace: *See*—
Electric furnace. Resistance furnace.
Heating furnace. Rotary furnace.
Inductance furnace.
Furnace. J. F. Baker. 1,638,908; Aug. 16.
Furnace. A. D. Keene. 1,638,937; Aug. 16.
Furnace wall. M. Liptak. 1,639,138; Aug. 16.
Furring and fastening device. L. Hommel. 1,638,853; Aug. 16.
Fuse, Aerial-bomb. F. W. Bold. 1,639,075; Aug. 16.
Fuse plug. L. J. Cahn. 1,639,077; Aug. 16.
Game board. L. L. Russell. Des. 73,269; Aug. 16.
Garage elevator. K. MacDonald, jr. 1,639,230; Aug. 16.
Garment bands, Connecter for. J. A. Haines. 1,639,226; Aug. 16.
Garment carrier. C. T. Batts. 1,639,021; Aug. 16.
Garment hanger. H. Gibson. 1,638,844; Aug. 16.
Garment press. J. H. Taylor and J. P. Singiser. 1,639,353; Aug. 16.
Gas-control cock. H. B. Hatton, jr. 1,639,431; Aug. 16.
Gas-heated and radiating element. W. Guy-Pell. 1,639,605; Aug. 16.
Gasoline, Apparatus for reclaiming used. W. C. Glover. 1,639,373; Aug. 16.
Gasoline gauge. F. A. and J. F. Groves. 1,639,341; Aug. 16.
Gate: *See*—
Traffic gate.
Gauge: *See*—
Gasoline gauge. Safety-appliance gauge.
Gauge. E. O. Wheelock. 1,639,321; Aug. 16.
Gear, Change-speed. G. A. von Soden-Fraunhofen. 1,639,174; Aug. 16.
Gear, Electrical switch. W. A. Coates and D. R. Davies. 1,638,919; Aug. 16.
Gear-operating device, Valve-. M. Birkigt. 1,639,583; Aug. 16.
Gear-shift mechanism. E. P. Lorch. 1,639,460; Aug. 16.
Gearing, Differential. G. L. Cadman. 1,638,980; Aug. 16.
Gears, Machine for cutting. F. Woltzendorff. 1,639,624; Aug. 16.
Glass articles, Apparatus for transferring. A. N. Cramer. 1,638,920; Aug. 16.
Golf club. G. E. Barnhart. 1,639,547–8; Aug. 16.
Golf club. C. S. Butchart. 1,638,916; Aug. 16.
Golf green. L. J. P. Lott. 1,638,862; Aug. 16.
Grain-scouring apparatus. R. H. Barker. 1,639,364; Aug. 16.
Grain shocker. S. H. Yancey and H. S. Dickinson. 1,639,478; Aug. 16.
Grate. S. S. S. Kennedy. 1,639,343; Aug. 16.
Gravity separator and separation. E. O. Marty. 1,639,046; Aug. 16.
Grinder, Gear. H. G. Shafer. 1,639,471; Aug. 16.
Grinding and separating apparatus. P. L. Crowe. 1,639,214; Aug. 16.
Gun, Loading. K. Tjossem. 1,639,013; Aug. 16.
Gyroscopic apparatus. C. M. Paxton. 1,639,233; Aug. 16.
Hair comb and cutter, Combined. E. Seavey. 1,639,617; Aug. 16.
Hair waving or curling device. L. H. G. Van Dijk. 1,638,896; Aug. 16.
Hammer. A. B. Rosson. 1,639,614; Aug. 16.
Hammer, Pneumatic. E. L. Burton. 1,639,076; Aug. 16.
Hammer, Spring. L. Knöchl. 1,639,459; Aug. 16.
Hand bag. R. Fishbein. 1,639,454; Aug. 16.
Hand carrying device. K. Moeller. 1,639,266; Aug. 16.
Hanger: *See*—
Door hanger. Joist hanger.
Fixture hanger. Pipe hanger.
Garment hanger. Shade and curtain hanger.
Hanks or skeins, Machine for stretching. W. Gerber. 1,638,843; Aug. 16.
Harmonic frequency producer. W. A. Marrison. 1,639,045; Aug. 16.
Harness, Baby. M. Breslin. 1,639,424; Aug. 16.
Harrow, Disk. S. W. Cady. 1,639,451; Aug. 16.
Harvester and cleaner, Cotton. P. M. Melton. 1,638,867; Aug. 16.
Harvester, Broomcorn. R. G. Patterson. 1,639,055; Aug. 16.
Harvesters, Motor mounting for corn. J. C. Erickson. 1,639,402; Aug. 16.
Hat-block clamp. H. Diamond. 1,639,331; Aug. 16.
Headlight attachment. C. B. Frierson. 1,639,600; Aug. 16.
Headlight, Dirigible. W. V. Van Etten. 1,639,119; Aug. 16.
Headlight mounting. H. D. Church. 1,639,486; Aug. 16.
Headlights, Deflecting shade for. E. D. Smith. 1,638,967; Aug. 16.
Heat-exchange apparatus. R. L. Munday. 1,639,051; Aug. 16.
Heat rays, Indicator for. R. Mechau. 1,639,412; Aug. 16.
Heater: *See*—
Oil-well heater.
Heater. B. B. Kahn. Re16,707; Aug. 16.
Heater. L. P. Webert. 1,638,974; Aug. 16.
Heating apparatus. H. F. Smith. 1,639,114; Aug. 16.

Heating element, Electric. F. W. Moffat. 1,639,382; Aug. 16.
Heating furnace, Rotary. J. Weintz. 1,639,243; Aug. 16.
Heating system. R. R. Emerson. 1,639,084; Aug. 16.
Heating unit, Removable furnace. E. J. Branningan. 1,638,826; Aug. 16.
Heel sweep and making the same. H. A. Dean. 1,639,503; Aug. 16.
Hemacytometer and similar apparatus, Case for. W. L. Patterson. 1,639,436; Aug. 16.
Hinge, Ball-bearing. H. H. Raymond. 1,639,633–4; Aug. 16.
Hitch for draft animals. C. Hofland. 1,639,608; Aug. 16.
Hoisting drums, Reversing mechanism for. W. Sommer. 1,639,151; Aug. 16.
Hold-up alarm. S. Steinhardt. 1,639,578; Aug. 16.
Hook: *See*—
Bill hook.
Horn-supporting means. P. H. Lange. 1,639,514; Aug. 16.
Household articles, Making. R. Wittlinger. 1,638,902; Aug. 16.
Hydraulic brake. P. F. Richards. 1,639,058; Aug. 16.
Incubator. A. H. Denault. 1,639,025; Aug. 16.
Incubators, Thermostatic switch for. A. M. Goldberg. 1,639,374; Aug. 16.
Index system, Protected card-. R. J. Wood. 1,639,016; Aug. 16.
Indicator: *See*—
Flow indicator. Tire-deflating indicator.
Inductance, Variable. G. F. Mansbridge. 1,639,044; Aug. 16.
Induction furnace, Combination. A. E. Greene. 1,639,340; Aug. 16.
Injector, Oil. J. S. and A. Johnson. 1,639,409; Aug. 16.
Inkstand. J. C. Pearson. Des. 73,265; Aug. 16.
Instrument fore measuring reentrant angles. G. S. Sirokman. 1,638,887; Aug. 16.
Instrument supporting and adjusting apparatus. F. Koenigkramer. 1,638,938; Aug. 16.
Instrument-supporting apparatus. F. Koenigkramer. 1,638,939; Aug. 16.
Internal-combustion engine. D. B. Baker. 1,639,449; Aug. 16.
Internal-combustion engine. E. R. Burtnett. 1,639,164–5; Aug. 16.
Internal-combustion engine. F. W. Dufwa. 1,639,217; Aug. 16.
Internal-combustion engine. L. M. Woolson. 1,638,903; Aug. 16.
Internal-combustion engine, Uniform compression. T. R. Wilson. 1,639,477; Aug. 16.
Internal-combustion motor. Z. W. Davis. 1,639,287; Aug. 16.
Iron: *See*—
Curling iron. Soldering iron.
Iron slat of 2-phenylquinoline-4-carboxylic acid and making same. M. L. Crossley and M. L. Dolt. 1,638,834; Aug. 16.
Ironer, Power-press. W. J. Lewis. 1,639,410; Aug. 16.
Ironing board. E. T. Mickey. 1,639,304; Aug. 16.
Jack. W. L. Knowles. 1,638,859; Aug. 16.
Jacket, House-flue. W. E. Frobish. 1,639,558; Aug. 16.
Joint: *See*—
Rail joint. Universal joint.
Rod joint.
Joist hanger. C. S. Boardman. 1,639,484; Aug. 16.
Joist hanger. C. S. Boardman and J. W. Free. 1,639,483; Aug. 16.
Kiln, Reciprocating car. P. D. Dressler. 1,638,988; Aug. 16.
Kit, Tool. C. L. Lawrence. 1,639,227; Aug. 16.
Knife, Fruit. A. H. and A. S. Pinchbeck. 1,638,956; Aug. 16.
Knife, Skinning. F. Schulz. 1,638,883; Aug. 16.
Knitting machines, Safety device for. C. Madaris. 1,639,522; Aug. 16.
Knitting machines, Take-up for. N. J. Perry. 1,638,955; Aug. 16.
Knob, Furniture. W. A. Anderson. 1,639,159; Aug. 16.
Lamp, Boudoir. C. Fischer. 1,639,493; Aug. 16.
Lamp, Combination tail. C. E. Godley. 1,639,497; Aug. 16.
Lamp mounting. H. E. Gannett. 1,639,336; Aug. 16.
Lamp socket, Double. W. Ile. 1,638,935; Aug. 16.
Land-levelling machine. J. L. Henry. 1,639,182; Aug. 16.
Latch, Door. W. C. Devereaux. 1,639,400; Aug. 16.
Latch for automobile doors and the like. L. J. Morgan. 1,639,434; Aug. 16.
Latches, Locking means for door. L. Ottinger. 1,639,103; Aug. 16.
Latches, Rotary bolt and striker plate for automobile door. W. C. Devereaux. 1,639,401; Aug. 16.
Lathe. J. E. Johnson. 1,639,090; Aug. 16.
Lathes, Tool holder for. J. M. Palmer. 1,638,874; Aug. 16.
Lawn sprinkler. W. C. Todd. 1,639,389; Aug. 16.
Leather, Stuffing of chrome-tanned heavy. R. H. Pickard, D. J. Lloyd, and A. E. Cannce. 1,638,877; Aug. 16.
Lighting fixture. W. R. Kahas and K. Keller. 1,639,508; Aug. 16.
Lighting fixture. H. Shardlow. Des. 73,270; Aug. 16.
Lighting fixture, Show-case. R. B. Benjamin. 1,639,127; Aug. 16.
Lighting-fixture support. E. Larson. Des. 73,262; Aug. 16.
Liquids containing oil or fatty substances and the like, Treatment of. J. Avery. 1,638,977; Aug. 16.
Lithium salt of 2-phenylquinoline-4-carboxylic acid and making same. M. L. Crossley and M. L. Dolt. 1,638,832; Aug. 16.
Loading apparatus. W. K. Liggett. 1,639,346; Aug. 16.
Lock: *See*—
Door lock. Nut lock.
Engine-ignition lock. Spare-wheel lock.
Lock. A. Russo. 1,639,535; Aug. 16.
Locking mechanism. J. A. Muzzio. 1,639,144; Aug. 16.
Looms, Shuttle-box tension-controlling mechanism for. C. H. Draper. 1,639,595; Aug. 16.
Lubricator: *See*—
Force-feed lubricator.
Lubricator. C. Lea. 1,638,941; Aug. 16.
Machine for printing various denominations of postage on mail matter, etc., and registering amount thereof. A. H. Pitney and J. W. Ogden. 1,639,350; Aug. 16.
Malting machine. G. E. Northrop. 1,639,052–3; Aug. 16.
Mandrel. F. Auly. 1,639,019; Aug. 16.
Manhole. W. S. Frame. 1,639,495; Aug. 16.
Manhole step. C. S. Brown. 1,639,210; Aug. 16.
Manhole switch. P. W. Koch. 1,639,569; Aug. 16.
Marking machine. R. V. Woodworth. 1,639,360; Aug. 16.
Mat for hot plates, Luncheon. M. Tannenholz. Des. 73,271; Aug. 16.
Match-packeting machine. A. W. Christianson and J. F. Milligan. 1,639,639; Aug. 16.
Mattress, Adjustable wire. E. E. Barna. 1,639,422; Aug. 16.
Mattress-adjusting apparatus. F. P. McLaughlin. 1,639,462; Aug. 16.
Measuring apparatus for ships, etc., Distance-. G. Walker. 1,638,973; Aug. 16.
Measuring instrument, Direction and distance. A. P. Brush. 1,638,914; Aug. 16.
Measuring instruments, Compensating means for temperature-. R. P. Brown. 1,639,365; Aug. 16.
Measuring machine. G. E. McLaughlin. 1,638,950; Aug. 16.
Measuring sheet material, Machine for-. J. J. Brophy and G. E. McLaughlin. 1,638,913; Aug. 16.
Mechanical movement. J. Krystofiak. 1,639,191; Aug. 16.
Melting pot. J. O. Luthy. 1,639,380; Aug. 16.
Mercury salt of 2-phenylquinoline-4-carboxylic acid and producing the same. M. L. Crossley and M. L. Dolt. 1,638,833; Aug. 16.
Metal spokes, Welding. A. L. Putnam. 1,639,109; Aug. 16.
Microphone, Glow-discharge. P. Thomas. 1,638,893; Aug. 16.
Milk can. J. O'Brien and E. H. Knudson. 1,639,101; Aug. 16.
Milk-can holder and contents dispenser. E. Allen. 1,639,249; Aug. 16.
Mining machine. E. C. Morgan. 1,639,050; Aug. 16.
Mixer: *See*—
Fuel mixer.
Modulating system. R. V. L. Hartley. 1,638,993; Aug. 16.
Mold: *See*—
Dental mold. Scraper mold.
Motion-transmitting mechanism. J. P. Daly. 1,639,428; Aug. 16.
Motor: *See*—
Clutch motor. Outboard motor.
Internal-combustion motor. Two-cycle motor.
Motor brake. C. Jobst. 1,639,038; Aug. 16.
Motor controller. E. W. Seeger. 1,638,884; Aug. 16.
Motor controls, Locking device for. J. F. Nevius. 1,639,612; Aug. 16.
Motor-driven apparatus, Controller for. R. G. Lockett. 1,638,860; Aug. 16.
Motor-driven devices, Controller for. R. G. Lockett. 1,638,861; Aug. 16.
Motor meter. D. H. Pulley. Des. 73,268; Aug. 16.
Motors, Fluid-control means for. F. Pokorny. 1,639,532; Aug. 16.
Movable devices, Counterbalancing means for. G. Klein. 1,639,094; Aug. 16.
Music rolls and the like, Container for. C. S. Burton. 1,639,166; Aug. 16.
Musical instrument. S. H. Perron. 1,639,106–7; Aug. 16.
Musical instruments, Guide device for. S. Lasco. 1,639,345; Aug. 16.
Nail and like straightening device. H. W. Haegler. 1,639,289; Aug. 16.
Nailing machines, Automatic releasing and braking device for. E. Alibert. 1,638,906; Aug. 16.
Napkin, Folded paper. A. Groff. 1,639,031; Aug. 16.
Novelty device. W. Haendel. 1,639,034; Aug. 16.
Nozzle, Spraying. D. Elder. 1,639,220; Aug. 16.
Nursery chair, Foldable, portable. H. A. Kelm. 1,639,298; Aug. 16.
Nut-bowl fitting. R. K. Bailey. 1,639,627; Aug. 16.
Nut lock. J. A. Campo. 1,639,211; Aug. 16.
Nut, Lock. B. E. Hawley. 1,639,637; Aug. 16.
Nut Lock. H. T. Hutton. 1,639,407; Aug. 16.
Nut, Lock. G. Lafever. 1,639,511; Aug. 16.

Oil, Apparatus for distilling. J. W. Coast. 1,639,327; Aug. 16.
Oils, Apparatus for heating. F. E. Wellman. 1,639,622; Aug. 16.
Oil burner. D. Caswell. 1,639,426; Aug. 16.
Oil burner. W. Degen. 1,639,167; Aug. 16.
Oil burner. T. H. Kelly. 1,639,377; Aug. 16.
Oil burner, Hydrocarbon-. L. C. Stralt. 1,639,064; Aug. 16.
Oil-storage tank. I. R. Afonin. 1,639,625; Aug. 16.
Oil-well heater, Portable self-contained. R. S. and P. F. Shannon. 1,639,008; Aug. 16.
Oil wells, Plug for. W. C. Cushing. 1,639,079; Aug. 16.
Oils, Dehydrating. S. Born, H. E. Bonnette, and J. C. Walker. 1,639,325; Aug. 16.
Oils, Preparing an absorbent for. W. D. Rial and E. W. Gard. 1,639,274; Aug. 16.
Oils, Refining of hydrocarbon. E. B. Phillips and J. G. Stafford. 1,639,531; Aug. 16.
Orchards, Temperature-regulating device for. E. S. Cobb. 1,639,257; Aug. 16.
Ore concentrator. K. M. and J. M. Mathe. 1,638,864; Aug. 16.
Organic nitrate compounds, Catalytic reduction of. M. Kahn and R. Mayer. 1,639,186; Aug. 16.
Outboard motor. G. W. Grass. 1,639,339; Aug. 16.
Oven, Roasting. C. Dorozynski. 1,639,168; Aug. 16.
Package carrier, Tilting. B. D. Hays. 1,639,606; Aug. 16.
Packing, Metallic. J. A. MacMurchy. 1,639,521; Aug. 16.
Pad: *See*—
Stirrup pad.
Paint formula. L. Francis. 1,639,599; Aug. 16.
Pan-treating apparatus. G. Smith. 1,639,540; Aug. 16.
Panel clamp. J. C. De Penning. 1,639,083; Aug. 16.
Paper-hanging device. W. H. Hale. 1,639,134; Aug. 16.
Paper making and the like, Elaborating cornstalks into pulp for use in. O. R. Sweeney. 1,639,152; Aug. 16.
Paper-making machines, Eliminating water from the pulp on the wire of. V. Antoine. 1,638,975; Aug. 16.
Parking means, Automobile. F. Palmer. 1,639,054; Aug. 16.
Pasteurizing apparatus. A. J. Davis. 1,638,835; Aug. 16.
Patching. J. C. De Penning. 1,639,082; Aug. 16.
Pedal attachment. W. G. Fulkerson. 1,638,927; Aug. 16.
Peg, String-maker's. H. L. Diehl. 1,639,026; Aug. 16.
Percolator. T. G. Tinsley. 1,638,969; Aug. 16.
Piano action, Continuous-tone. J. F. Veaco. 1,639,241; Aug. 16.
Piano practice exerciser. E. Keller. 1,638,858; Aug. 16.
Piano, Reproducing. S. H. Perron. 1,639,105; Aug. 16.
Picture-projecting machines, Film support for motion-. L. M. Scofield and H. J. Thomas. 1,639,469; Aug. 16.
Pigments and paints, Preparation of. J. Blumenfeld. 1,639,423; Aug. 16.
Pins to leaves, Machine for attaching. H. R. Schlueter and A. H. Hatke. 1,639,353; Aug. 16.
Pipe cleaner, Tobacco-. J. W. Pitts. 1,639,200; Aug. 16.
Pipe hanger. J. P. Seyfert. 1,639,635; Aug. 16.
Piston. G. D. Welty. 1,638,898; Aug. 16.
Piston and connecting rod mountings, Joint for. V. J. O'Brien. 1,639,102; Aug. 16.
Pivoted closure-operating means and circuit closer. J. E. Vaughn. 1,639,551; Aug. 16.
Planer, Edge. J. E. Ahlvin. 1,639,420; Aug. 16.
Planimeter, Radial averaging. A. B. Cunningham. 1,638,984; Aug. 16.
Plant stand. J. H. Viewegh. 1,639,318; Aug. 16.
Plastic material, Die-molding apparatus for making articles of. E. De Journo. 1,639,081; Aug. 16.
Plastic process. G. B. Bergen, sr. 1,638,821; Aug. 16.
Platen, Steam. F. H. Smith. 1,639,440; Aug. 16.
Pliers. G. P. Ingram. 1,639,183; Aug. 16.
Plow, One-way. E. Moegelin. 1,639,049; Aug. 16.
Plug or valve, Drain. H. J. Pereira. 1,638,954; Aug. 16.
Plugs, Fastening device for gas-main sweat. E. Schneider. 1,639,150; Aug. 16.
Pole or post. A. H. Tashjian. 1,639,542; Aug. 16.
Polish. C. W. Trout. 1,639,316; Aug. 16.
Polishing or abrading devices, Trough and splash guard for rotary. S. H. Wilson. 1,639,419; Aug. 16.
Portioning cigarettes or other staff-shaped articles for the packaging of the same. G. C. Ekström and B. A. E. Johnson. 1,639,429; Aug. 16.
Postage meter machines, Multiple die for. A. H. Pitney. 1,639,384; Aug. 16.
Pot: *See*—
Melting pot.
Poultry perch. P. Baar. 1,639,020; Aug. 16.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,639,285; Aug. 16.
Power take-off device. J. M. Custenborder. 1,639,630; Aug. 16.
Power transmission, Electric-. A. M. Taylor. 1,639,473; Aug. 16.
Power-transmission mechanism. C. A. Criqui and E. T. Larkin. 1,639,259; Aug. 16.
Power transmission, Electric. A. M. Taylor. 1,639,473; Aug. 16.
Power-transmitting mechanism. J. W. Deroche. 1,639,260; Aug. 16.
Press: *See*—
Continuous press.
Drawing press.
Garment press.
Punch press.
Pressing-machine elements, Woven-wire cloth covering for. G. F. Simpson. 1,639,458; Aug. 16.
Pressing-machine mechanism. A. B. Clisson. 1,639,427; Aug. 16.
Printing frame, Photographic. P. F. Kahler. 1,638,936; Aug. 16.
Printing machine, Sheet-delivery mechanism for. J. W. Jakeman. 1,639,184; Aug. 16.
Printing plate and production thereof. F. Fischer. 1,639,171; Aug. 16.
Protective device, Overload. J. H. Ashbaugh. 1,638,819; Aug. 16.
Puller: *See*—
Wheel puller.
Pulley. P. Culhane. 1,639,489–90; Aug. 16.
Pulley. W. T. Hensley. 1,639,498–9; Aug. 16.
Pulley. W. T. Hensley. 1,639,503–5; Aug. 16.
Pulley block. W. G. Shedenhelm. 1,639,489; Aug. 16.
Pulley, Split. W. T. Hensley. 1,639,500; Aug. 16.
Pulley, Spit. W. T. Hensey. 1,639,502; Aug. 16.
Pulleys, Making. W. T. Hensley. 1,639,501; Aug. 16.
Pump, Fuel. John W., White. 1,639,628; Aug. 16.
Pump, Sand. G. J. Armstrong. Re16,708; Aug. 16.
Pumps, Automatic shut-off for. A. A. Phillips and E. Connelly. 1,639,147; Aug. 16.
Punch press. J. J. Nellan. 1,639,100; Aug. 16.
Pyjama frogs, Machine for making. L. H. Morin. 1,639,098–9; Aug. 16.
Pyrometer. S. Ruben. 1,639,534; Aug. 16.
Radiator. P. V. Forcada. 1,639,172; Aug. 16.
Radiator cap. R. H. Hummert. Des. 73,259; Aug. 16.
Radiator cap. A. C. Lippert. Des. 73,263–4; Aug. 16.
Radiators, Shutter cover for. F. F. Hansen. 1,638,847; Aug. 16.
Radiocabinet. L. E. Parker. 1,638,875; Aug. 16.
Radio dial escutcheon plate. D. H. Engelson. Des. 73,252; Aug. 16.
Radio loud speaker. H. Green. 1,639,030; Aug. 16.
Radio loud speakers, Grille front for. R. T. Kingsford. Des. 73,261; Aug. 9.
Radio receiving sets, Control switch for the A batteries of. L. H. Smiley. 1,639,539; Aug. 16.
Radio receiving system. J. M. Miller. 1,639,414; Aug. 16.
Radio system. W. C. MacFadden. 1,639,042; Aug. 16.
Rail anchor, Two-piece. A. J. Cook. 1,638,982; Aug. 16.
Rail fastener, Guard-. T. Maney. 1,639,524; Aug. 16.
Rail fixture, Venetian-blind tilting-. A. Trinkaus. 1,659,239; Aug. 16.
Rail joint. C. Troup. 1,639,620; Aug. 16.
Rail structure, Guard. E. R. Packer. 1,639,232; Aug. 16.
Railway switch. D. C. Boone and J. T. Burkett. 1,638,911; Aug. 16.
Railway tie. L. Sargeant. 1,639,234; Aug. 16.
Railway-trame-controlling apparatus. H. A. Wallace. 1,639,544; Aug. 16.
Raincoat, Emergency. O. W. and C. H. Johnson. 1,639,185; Aug. 16.
Ratchet wrench. J. E. Coe. 1,639,078; Aug. 16.
Razor, Safety. O. Spahr. 1,639,441; Aug. 16.
Receptacle, Baglike. M. G. Scheuer. 1,639,005; Aug. 16.
Receptacle, Preserving. M. Saloun. 1,639,059; Aug. 16.
Reels, Line-guide mechanism for fishing. W. L. Adams. 1,639,362; Aug. 16.
Reflector. A. de Lugo and J. W. Robertson. Des. 73,251; Aug. 16.
Reflector, Light-projecting. J. G. Balsillie. 1,639,363; Aug. 16.
Refrigerating system. W. H. Carrier. 1,639,023; Aug. 16.
Refrigerator. S. Cozzolino. 1,639,591; Aug. 16.
Refrigerator apparatus. F. Meyer. 1,639,528; Aug. 16.
Refrigerator display case. E. Friedrich. Des. 73,253; Aug. 16.
Register: *See*—
Air register.
Regulator: *See*—
Temperature regulator.
Regulator system. W. M. Bradshaw and J. H. Ashbaugh. 1,638,823; Aug. 16.
Resinous compositions, Production of articles and covers from. E. Wieland. 1,639,475; Aug. 16.
Resistance furnace, Electric. H. M. Biebel. 1,638,822; Aug. 16.
Resistor elements, Making. E. J. Haverstick. 1,638,849; Aug. 16.
Resistor material. J. Slepian. 1,638,888; Aug. 16.
Retort and gas-flow-regulating apparatus. E. P. G. Wünsch. 1,639,394; Aug. 16.
Ring book. H. T. Adams. 1,639,361; Aug. 16.
Roadway construction. A. E. Schutte. 1,639,276; Aug. 16.
Rod: *See*—
Curtain rod.
Rod joint. L. K. Singley. 1,639,009; Aug. 16.
Rolling machine, Cap-thread-. W. Cameron. 1,639,367; Aug. 16.
Roofing bracket. E. A. Schade. 1,639,352; Aug. 16.
Roost, Poultry. C. Schwan. 1,639,006; Aug. 16.
Rope socket. C. C. Sunderland. 1,639,236; Aug. 16.
Rotary. L. Patterson. 1,639,268; Aug. 16.
Rotary bit, Expanding. R. N. Ferguson. 1,639,222; Aug. 16.
Rotary drill. A. Versteeg. 1,639,242; Aug. 16.
Rotary elements, Wearing ring for. G. J. Winkle. 1,639,279; Aug. 16.

Rotary furnace. J. F. Baker. 1,638,909; Aug. 16.
Rotors, Producing. C. E. Johnson. 1,639,456; Aug. 16.
Roundabout. B. F. Woodruff. 1,639,393; Aug. 16.
Routing machine. G. H. Carlson 1,639,485; Aug 16
Rubber articles, Method and apparatus for making hollow. J. R. Gammeter. 1,639,430; Aug. 16.
Rubber heels, Tool for placing washers in. C. I. Schrock. 1,639,312; Aug. 16.
Safety appliance, Automatic. C. A. Howe. 1,638,934; Aug. 16.
Safety-appliance gauge. W. B. Shea. 1,638,885; Aug. 16.
Salvaging apparatus. H. Lotz. 1,639,572; Aug. 16.
Sander drum. R. A. Williams and W. L. Bigsby. 1,639,155; Aug. 16.
Sanding machine. J. C. De Penning. 1,639,216; Aug. 16.
Sausage-making machine. W. H. Potter. 1,639,270; Aug. 16.
Saw guide. E. M. Knabusch and E. Shoemaker. 1,639,039; Aug. 16.
Scale, Infant. M. J. Weber. 1,639,121; Aug. 16.
Scales, Weighing. M. J. Weber. 1,639,120; Aug. 16.
Scarifier and road planer. F. A. McDonna and R. E. Lloyd. 1,638,866; Aug. 16.
Scooter. F. A. Nauts. 1,638,871; Aug. 16.
Scraper mold. L. J. Whitman. 1,639,122; Aug. 16.
Screen. H. J. Reed and C. L. Spafford. 1,639,273; Aug. 16.
Screen cleaner. L. O. Corkran. 1,639,590; Aug. 16.
Seaming machine. J. Brenzinger. 1,639,552; Aug. 16.
Seaming mechanism. P. H. Lange. 1,639,515; Aug. 16.
Seat construction. L. C. Freeman. 1,639,371; Aug. 16.
Sent: *See*—
Toilet seat.
Septic tank. F. J. Moss. 1,638,869; Aug. 16.
Sewing apparatus, Buttonhole- F Fröhlich. 1,639,405; Aug. 16.
Sewing machines, Tape reversing and feeding attachment for. G. Bogdonoff. 1,638,823; Aug. 16.
Shackle, Antirattler spring. H. E. Blomgren. 1,639,636; Aug. 16.
Shade and curtain hanger. P. O. Lowers. 1,639,520; Aug. 16.
Shade-roller fixture. S. I. Wharton and D. R. Peevey. 1,639,278; Aug. 16.
Shaft couplings, Insulating flexible. H. W. Van Leir. 1,639,240; Aug. 16.
Shafts, Flexible coupling for. K. Baumann. 1,639,480; Aug. 16.
Sharpening device, Pocketknife-. H. L. Welch. 1,639,204; Aug. 16.
Sheet-feeding mechanism. E. E. Fairchild, A. A. Adamson, and C. F. Morley. 1,639,221; Aug. 16.
Sheet glass, Drawing. J. L. Drake. 1,639,452; Aug. 16.
Sheet glass, Drawing. J. A. Reece. 1,639,466; Aug. 16.
Sheet-glass width-maintaining shield. E. T. Ferngren. 1,639,453; Aug. 16.
Shield, Expansion. J. K. Fisher. 1,639,223; Aug. 16.
Ship, etc., Distance indicator for. G. Walker. 1,638,971; Aug. 16.
Ship's instrument. G. Walker. 1,638,970; Aug. 16.
Ship's instrument. G. Walker. 1,638,972; Aug. 16.
Shock absorber and rebound check. E. Davis. 1,639,631; Aug. 16.
Shocker, Grain. C. W. Livingston. 1,639,632; Aug. 16.
Shoe-display stand. B. H. Harris. 1,639,290; Aug. 16.
Shoe-sole drier. L. H. Dastis. 1,639,592; Aug. 16.
Shoe sole, Pneumatic. G. Manelas. 1,639,381; Aug. 16.
Shoe-upper sections, Method of and apparatus for marking. C. E. Edwards. 1,639,332; Aug. 16.
Shoes and innersole therefor, Making. F. L. Mackenzie. 1,638,946; Aug. 16.
Shoes, Curved corded-edge tape for. P. F. Hesse. 1,639,376; Aug. 16.
Shoring device. E. J. Langham. 1,639,516; Aug. 16.
Shovel: *See*—
Steam shovel.
Show case, Knockdown. P. M. Mabe. 1,638,863; Aug. 16.
Shutter-controlling-mechanism, Swell. J. T. Austin. 1,639,324; Aug. 16.
Signboard. G. B. Cleveland. 1,639,129; Aug. 16.
Signs, Receiver for heat. E. Mechau. 1,639,411; Aug. 16.
Signal: *See*—
Automobile signal.
Signal-operating mechanism. E. J. Cain. 1,638,827; Aug. 16.
Signaling means. F. Satterstrom. 1,639,112; Aug. 16.
Signaling system, High-frequency. L. Espenschied. 1,638,925; Aug. 16.
Silencer. H. P. Maxim. 1,639,047; Aug. 16.
Skiving machines, Chip deflector for. L. B. Hooper. 1,638,933; Aug. 16.
Smoke cleaner. P. Hamel. 1,639,179; Aug. 16.
Snap switch, Electric. A. Carling. 1,638,828; Aug. 16.
Soldering iron. J. Sandberg. 1,639,537; Aug. 16.
Sound amplifier. G. C. Wilhelmi. 1,639,359; Aug. 16.
Sound-amplifying device. B. F. Miessner. 1,639,048; Aug. 16.
Sound-modifying means for sound transmitting and reproducing machines. W. Orr. 1,639,308; Aug. 16.
Spare-wheel lock. C. H. Wills. 1,639,069; Aug. 16.
Spark-plug-testing device. F. W. Gowland. 1,639,603; Aug. 16.
Speed governor. J. A. Miller. 1,639,265; Aug. 16.
Splitting machine. D. W. Bunker and R. W. Cummings. 1,638,915; Aug. 16.
Splitting machine. J. Gouldbourn and W. T. Minett. 1,638,929; Aug. 16.
Spool, Ribbon. J. S. Duncan and H. E. Hubbard. 1,638,989; Aug. 16.
Sprayer. H. D. Hudson. 1,639,294; Aug. 16.
Sprayer. A. W. Kegler. 1,639,297; Aug. 16.
Spraying device. J. A. Brooks. 1,639,162; Aug. 16.
Spreader. S. W. Varnado. 1,639,203; Aug. 16.
Spreader, Straw. E. F. Anderson. 1,639,447; Aug. 16.
Spreading device, Portable. W. P. Tarrant. 1,639,238; Aug. 16.
Springboard. F. Albach. 1,639,323; Aug. 16.
Sprinkler: *See*—
Lawn sprinkler.
Stand: *See*—
Plant stand.
Shoe-display stand.
Staple. E. B. Payson. 1,639,530; Aug. 16.
Stapler. J. B. Crofoot. 1,638,831; Aug. 16.
Station, Automatic. W. L. Newmeyer. 1,638,872; Aug. 16.
Steam mangles, Safety device for. E. Rumsch. 1,639,386; Aug. 16.
Steam-power plants, Boiler for movable. O. H. Hartmann. 1,639,088; Aug. 16.
Stencil sheets, Manufacture of. A. B. Davis. 1,639,080; Aug. 16.
Steam shovel. H. J. Barnhart. 1,639,421; Aug. 16.
Steam trap. F. Basenau. 1,639,208; Aug. 16.
Still, Steam-jacketed. W. Knapp. 1,639,189; Aug. 16.
Stirrup pad. H. F. Berbaum. 1,639,073; Aug. 16.
Stitch remover. C. F. Wilber. 1,638,899; Aug. 16.
Stocking. W. E. Zander. Des. 73,274; Aug. 16.
Stokers, Drive for. D. F. Grahame. 1,639,087; Aug. 16.
Stooking machine. J. F. Willows. 1,639,123; Aug. 16.
Storage-battery container. C. J. Dunzweiler. 1,639,492; Aug. 16.
Storage cell and electrode therefor. R. C. Benner and H. F. French. 1,639,280; Aug. 16.
Stove. H. F. Smith. 1,639,115; Aug. 16.
Stovepipe casings, Joint for. M. R. Shipley. 1,639,315; Aug. 16.
Strap and connecter, Martingale. J. M. Walsh. 1,639,067; Aug. 16.
Strap connecter, Throat-. J. M. Walsh. 1,639,066; Aug. 16.
Stroboscope with vibrating cord. A. V. J. Guillet. 1,639,178; Aug. 16.
Submarine craft. H. N. Atwood. 1,638,817; Aug. 16.
Submarine hulls, Forming. H. N. Atwood. 1,638,818; Aug. 16.
Sulphur burner. L. Gillett. 1,638,992; Aug. 16.
Sunshade attachment, Automobile. J. Menzies. 1,639,413; Aug. 16.
Superplane. J. E. Broyles. 1,639,553; Aug. 16.
Surfacing machine. E. D. Tillyer and N. M. Baker. 1,639,012; Aug. 16.
Switch: *See*—
Electric switch.
Manhole switch.
Railway switch.
Snap switch.
Time switch.
Switch construction. B. B. Benjamin. 1,639,126; Aug. 16.
Switch housing. H. K. Krantz. 1,638,940; Aug. 16.
Synchronous converter system, Automatic. J. E. Foster. 1,638,841; Aug. 16.
Table: *See*—
Extension table.
Table support. C. K. Farmer. 1,638,839; Aug. 16.
Talking, dictating, and like machine, Magnetic. G. Scheel. 1,639,060; Aug. 16.
Talking machines, Controlling device for electromagnetic. W. Hornauer. 1,638,998; Aug. 16.
Talking machines, Magnet carrier for electromagnetic. W. Hornauer. 1,638,999; Aug. 16.
Tank: *See*—
Oil-storage tank.
Septic tank.
Vacuum fuel-feed tank.
Tape, Hook. D. Silberman. 1,639,472; Aug. 16.
Telegraph cable provided with loading coil. H. Salinger. 1,639,201; Aug. 16.
Telegraphic receiving apparatus. F. G. Creed. 1,639,213; Aug. 16.
Telegraphic transmitting apparatus. F. G. Creed. 1,639,212; Aug. 16.
Telephone attachment. W. S. Marr. 1,639,525; Aug. 16.
Telephone receivers, Diaphragm for. C. G. Wieland. 1,639,546; Aug. 16.
Telephone system. H. B. Johnson and L. L. Eagon. 1,639,135; Aug. 16.
Telephone system. A. Waschnack. 1,639,445; Aug. 16.
Telephone system, Automatic. E. Jacobsen. 1,639,069; Aug. 16.
Temperature regulator. W. W. Carson, jr. 1,639,286; Aug. 16.
Terminal. E. A. Bohlman. 1,639,161; Aug. 16.
Textile fabrics, Printing upon. E. Ebersol. 1,639,218; Aug. 16.
Thawing device. W. Palmer. 1,639,267; Aug. 16.
Theft alarm, Automobile. J. H. Sharp. 1,639,314; Aug. 16.
Thermoammeter. V. H. Todd. 1,638,894; Aug. 16.
Thermoelectric cell and making the same. G. M. Little. 1,638,943; Aug. 16.

Thermostat control. A. R. Baker. 1,638,907; Aug. 16.
Thermostatic wafer. B. B. Preston. 1,638,958; Aug. 16.
Thread-handling machine. F. N. La Chapelle. 1,639,261; Aug. 16.
Tie: *See*—
Railway tie.
Tile-receiving machine. J. J. Semashko. 1,639,576; Aug. 16.
Tilting carrier. B. D. Hays. 1,639,563; Aug. 16.
Timber preservation. H. C. Gardiner. 1,639,601; Aug. 16.
Time switch. N. Feinen. 1,638,926; Aug. 16.
Tire. W. C. Garrigues. Des. 73,254–5; Aug. 16.
Tire, Cushion. G. Gatial. 1,639,175; Aug. 16.
Tire-deflation indicator. F. G. Crone. 1,638,983; Aug. 16.
Tire spreader. A. C. Hopkins. 1,638,997; Aug. 16.
Tire-spreading device. H. T. Hughes. 1,639,506; Aug. 16.
Tire, Vehicle wheel. J. Agrillo and J. Daly. 1,639,207; Aug. 16.
Toaster, Electric. L. Reichold. 1,639,385; Aug. 16.
Toilet article. W. L. Bass. 1,639,628; Aug. 16.
Toilet seat. E. L. Eckerlein. 1,639,219; Aug. 16.
Tongs. O. A. Layne. 1,639,228; Aug. 16.
Tool, Fluid-pressure-operated. E. H. Shaff. 1,639,313; Aug. 16.
Tool, Reflanging. A. Fountain, F. Balzarini, and T. Thiel. 1,639,173; Aug. 16.
Tools, Device for exhibiting. E. Gairing. 1,638,928; Aug. 16.
Tools, Making. K. Potschner. 1,639,269; Aug. 16.
Tooth facing. G. Coutlf. 1,638,830; Aug. 16.
Torch. C. L. Bastian and J. Apsit. 1,639,450; Aug. 16.
Torch. E. J. Engstrom and J. W. Benes. 1,639,169; Aug. 16.
Torches, Turret tip for. C. J. Coberly. 1,639,328; Aug. 16.
Toy. F. C. Bender. 1,639,550; Aug. 16.
Toy, Figure. G. Boggio. 1,638,910; Aug. 16.
Toy parachute. H. Gay. 1,639,602; Aug. 16.
Toy, Rocking. E. B. Nentwig. 1,638,951; Aug. 16.
Toy, Tail-wiggling. F. Strauss and O. R. Starke. 1,639,442; Aug. 16.
Toy top, Electrical illuminated. G. Mayer. 1,639,526; Aug. 16.
Tractors, Steering attachment for. F. L. Willrodt. 1,639,246; Aug. 16.
Traffic gate. M. H. Alberts. 1,639,158; Aug. 16.
Traffic-gate structure. M. H. Alberts. 1,639,157; Aug. 16.
Transformer, Air core. E. E. Holman. 1,638,996; Aug. 16.
Transformers, Winding. G. F. Niemann. 1,639,145; Aug. 16.
Transmitting or reproducing sound, Apparatus for. S. G. Brown. 1,639,588; Aug. 16.
Trap: *See*—
Direct-return trap. Steam trap.
Traveling case. A. B. Deitsch. 1,638,837; Aug. 16.
Tray-discharging mechanism. S. Schiff. 1,639,061; Aug. 16.
Treadles, Adjustable extension for. A. S. Greenberg. 1,639,375; Aug. 16.
Trolley shoe, Pantograph. O. M. Jorstad. 1,638,856; Aug. 16.
Trough, Fox feed. C. C. Buck. 1,639,554; Aug. 16.
Trousers, Supporting attachment for. A. J. Cummings. 1,638,921; Aug. 16.
Truck, Dumping. L. H. King. 1,639,092; Aug. 16.
Truck, Railway. W. A. Mitchell. 1,639,348; Aug. 16.
T-square, Magnetic. W. B. Thompson. 1,639,580; Aug. 16.
Tube: *See*—
Circulating tube.
Tube connection, Circulating-. J. F. Arthur. 1,639,251; Aug. 16.
Tubing bleeder. L. H. Riley and C. O. Wood. 1,639,004; Aug. 16.
Tubing, Method and apparatus for covering. W. E. Jaquith, B. A. Evans, and G. Foerstner. 1,639,408; Aug. 16.
Tubing stripper. I. C. Bell. 1,639,209; Aug. 16.
Tungsten filaments, Apparatus for forming. W. L. Miller. 1,638,868; Aug. 16.
Turbine aggregate. F. Ljungström. 1,638,944; Aug. 16.
Turbine and condenser connection, Expansion joint for. J. F. Grace. 1,639,225; Aug. 16.
Turbines and gas turbines, Rotor blading for rotary engines, particularly for steam. A. Zolly and P. Spiess. 1,639,247; Aug. 16.
Turbines, Clearance indicator for. W. B. Flanders. 1,639,494; Aug. 16.
Two-cycle motor, Valveless. F. Balcerzak. 1,639,160; Aug. 16.
Typewriters, Back-spacing mechanism for. H. Peeters. 1,639,199; Aug. 16.
Typewriting machine. A. G. F. Kurowski. 1,639,302; Aug. 16.
Typewriting machine. J. A. B. Smith. 1,639,235; Aug. 16.
Undergarment. T. E. and O. E. Cunningham. 1,638,922; Aug. 16.
Universal joint. A. F. Masury and A. H. Leipert. 1,638,947; Aug. 16.
Unpluggable bit. G. F. Thagard. 1,639,065; Aug. 16.
Vacuum containers, Seal, joint, and the like of. E. Y. Robinson. 1,639,575; Aug. 16.
Vacuum fuel-feed tank. W. E. Hart. 1,639,181; Aug. 16.
Vacuum tubes, Voltage regulator for. J. Herman. 1,638,930; Aug. 16.
Valve. A. C. Gaines. 1,639,372; Aug. 16.
Valve control means, Throttle. O. R. Schoenrock. 1,639,470; Aug. 16.
Valve-stem cap or the like. T. H. Lautenschlager. 1,639,303; Aug. 16.
Vanity box. J. L. McAtree. 1,639,001; Aug. 16.
Vanity case. W. A. Heard. Des. 73,258; Aug. 16.
Vanity case. J. L. McAtree. 1,638,865; Aug. 16.
Vanity case for automobiles. N. B. Price. 1,639,003; Aug. 16.
Varnish fire. D. E. Goggin. 1,638,845; Aug. 16.
Vehicle, Motor. G. E. Johanson. 1,638,854; Aug. 16.
Vehicle, Self-propelled. L. Saives. 1,639,536; Aug. 16.
Vehicle wheel. A. A. D. Lang. 1,639,570; Aug. 16.
Vehicle wheel. A. J. Michelin. 1,639,573; Aug. 16.
Vehicle wheels, Rim fastener for. A. L. Putnam. 1,639,108; Aug. 16.
Vehicles, Adjustable awning frame for motor. L. S. Williamson and B. A. De Bord. 1,638,901; Aug. 16.
Vehicles, Equalizing brake for. S. K. Wellman and G. R. Pennington. 1,639,320; Aug. 16.
Vehicles, Frame for. A. F. Masury and E. R. Gurney. 1,638,549; Aug. 16.
Vehicles, Steering mechanism for automotive. C. S. Bragg and V. W. Kliesrath. 1,639,284; Aug. 16.
Vehicles, Shock-absorbing means for. A. J. Cormier. 1,639,369; Aug. 16.
Vehicles, Vacuum tank for motor. T. Bossard. 1,639,254; Aug. 16.
Ventilator. F. R. Kelley. 1,639,187; Aug. 16.
Ventilator for automobiles, Cowl. L. Ottinger. 1,639,309; Aug. 16.
Vibration absorber. C. R. Soderberg. 1,638,889; Aug. 16.
Vibration absorber. C. R. Soderberg. 1,638,968; Aug. 16.
Viscosimeter. E. H. Peabody. 1,639,057; Aug. 16.
Wagon. A. A. Becker. 1,639,124; Aug. 16.
Wall board, Manufacturing. S. C. Clark. 1,639,128; Aug. 16.
Washing machine. A. Daniel. 1,639,491; Aug. 16.
Washing machine. L. W. Hamilton. 1,639,180; Aug. 16.
Washing machine, Automatic. E. J. Carroll. 1,639,024; Aug. 16.
Washing machine, Automatic. E. J. Carroll. 1,639,368; Aug. 16.
Water heater unit. L. R. Mendelson. 1,639,002; Aug. 16.
Water sport apparatus. B. L. Henry. 1,639,007; Aug. 16.
Water-tube boiler. K. Endo. 1,638,924; Aug. 16.
Wave modulation. J. W. Horton. 1,639,000; Aug. 16.
Wax, Transparent sealing. J. Prikelmayer. 1,638,960; Aug. 16.
Welding, Arc. R. Stresau. 1,638,892; Aug. 16.
Wheel: *See*—
Vehicle wheel.
Wheel and rim therefor, Disk. W. E. Williams. 1,639,322; Aug. 16.
Wheel puller. F. A. Luthy. 1,639,140; Aug. 16.
Wheel-spoke bar. W. E. Williams. 1,639,068; Aug. 16.
Wheels, Device for aligning. J. H. Gray. 1,639,604; Aug. 16.
Windmills, Automatic control for. L. C. Weaver. 1,639,545; Aug. 16.
Window. W. D. Redrup. 1,639,148; Aug. 16.
Window and operating means therefor. B. J. Goldsmith and E. Koeb. 1,639,455; Aug. 16.
Window blind. J. P. Whitmore. 1,639,474; Aug. 16.
Window-operating device. W. Vaughan. 1,638,897; Aug. 16.
Windshield cleaner. R. G. Arey. 1,638,976; Aug. 16.
Windshield cleaner. R. G. Arey. 1,639,018; Aug. 16.
Windshield cleaner, Automatic. B. I. Malouf. 1,639,043; Aug. 16.
Wire-bending machine. W. L. Clouse. 1,639,397; Aug. 16.
Wire clamp. W. J. Carley. Re16,704; Aug. 16.
Wire clamp. F. N. Clark. 1,638,918; Aug. 16.
Wire, Wrapping. W. E. Pettengill. 1,639,146; Aug. 16.
Wood pulp, Apparatus for bleaching. F. G. Sherbondy and M. E. Boehm. 1,638,965; Aug. 16.
Wood pulp, Bleaching. F. G. Sherbondy and M. E. Boehm. 1,638,886; Aug. 16.
Work-positioning device. C. E. Hood. 1,638,932; Aug. 16.
Wrench: *See*—
Ratchet wrench.
Wrench. J. M. Elliott. 1,638,900; Aug. 16.
Wrench. W. F. Gourley. 1,639,177; Aug. 16.
Wrench. W. M. Stovall. 1,638,891; Aug. 16.
X-ray apparatus. M. Morrison. 1,639,464; Aug. 16.
Yarn, Apparatus for spinning. E. Hartley. 1,639,406; Aug. 16.
Yarns in hanks with liquid, Machine for treating. J. Schlumpf. 1,639,438; Aug. 16.
Zinc bars with lead, Apparatus for coating. A. H. Rosebach. 1,638,882; Aug. 16.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 16, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

1—	2.3: 1,638,831	33—	124: 1,638,950	68—	9: 1,639,427	92—	44: 1,638,975	123—	55: 1,639,333	154—	2: 1,639,128				
2—	10: 1,638,851		147: 1,639,321		1,639,458	93—	2: 1,639,282		59: 1,639,164		1,639,224				
	.78: 1,638,922		168: 1,638,885		10: 1,639,304		1,639,639		74: 1,639,160		6: 1,639,408				
	87: 1,639,185		169: 1,638,887		18: 1,639,024		4: 1,639,624		78: 1,636,852		9: 1,638,907				
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	265: 1,639,472		203: 1,639,004		1,639,368		63: 1,639,010		90: 1,639,287		31: 1,639,298				
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	237: 1,639,219		16: 1,638,928	69—	13: 1,638,929		34: 1,639,495		176: 1,639,062		177: 1,639,194				
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	327: 1,639,462	39—	1: 1,639,158		74: 1,639,086		179: 1,639,307		59.6: 1,639,257		19: 1,639,551				
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9—	6: 1,638,817		38.6: 1,639,080	72—	30: 1,639,594		6: 1,638,870		166: 1,638,842		28: 1,639,153				
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	125: 1,639,492		37: 1,638,945		1,639,412		301: 1,639,360		51: 1,639,036		117.5: 1,639,202				
	136: 1,639,633		52: 1,638,878		1,639,534		416: 1,639,218	132—	36: 1,638,896	164—	88: 1,639,100				
	1,639,634		71: 1,638,863		51: 1,639,444		426: 1,639,332		41: 1,639,136		118: 1,639,033				
	200: 1,639,094		113: 1,639,510		82: 1,639,341	102—	22: 1,638,994		1,639,357	166—	13: 1,639,079				
17—	21: 1,638,883	46—	32: 1,639,526		167: 1,639,342		36: R.16,703		83: 1,638,865		16: 1,639,209				
	34: 1,639,270		37: 1,639,550	74—	7: 1,638,908		1,639,075		1,639,001		17: 1,639,008				
18—	1: 1,639,312		40: 1,638,910		14: 1,639,387	103—	13: 1,639,147	134—	11: 1,639,611		19: R.16,708				
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	48.8: 1,638,821		180: 1,639,579		34: 1,639,259		262: 1,639,372		58: 1,639,423		119: 1,638,819				
	55: 1,639,476	49—	17: 1,639,452		39: 1,639,460	105—	118: 1,639,143	135—	5: 1,639,074		123: 1,638,841				
	56: 1,639,430		1,639,453		58: 1,639,174		204: 1,639,348	136—	4: 1,638,943		229: 1,638,525				
19—	44: 1,639,568		1,639,466		78: 1,639,233		377: 1,639,176		36: 1,639,280		242: 1,639,044				
20—	2: 1,639,577	51—	52: 1,639,471		81: 1,638,927		410: 1,639,264		126: 1,638,995	172—	36: 1,638,949				
	52: 1,639,455		55: 1,639,012		1,639,375	107—	33: 1,639,319	137—	72: 1,639,267		1,638,976				
22—	65: 1,639,253		190: 1,639,216		99: 1,638,980		47: 1,639,122		101: 1,638,900		1,639,016				
	97: 1,639,262		194: 1,639,155		110: 1,639,306		58: 1,639,097		103: 1,639,208		280: 1,638,890				
	1,639,416		211: 1,639,204		108: 1,638,898	110—	74: 1,639,343		104: 1,639,556		281: 1,639,045				
	168: 1,638,846		268: 1,639,419		1,639,102		75: 1,639,642		111: 1,639,248		289: 1,638,884				
	204: 1,639,456	53—	3: 1,638,969	75—	1: 1,638,855		76: 1,639,117		1,639,252	173—	259: 1,639,161				
23—	164: 1,639,584		5: 1,639,385		1,639,330		109: 1,639,067		153: 1,639,532		269: 1,638,978				
	190: 1,639,272		1,639,403	18:	1,639,610		175: 1,639,014		159: 1,638,954		330: 1,639,125				
	279: 1,638,992		8: 1,639,093	76—	101: 1,639,269	112—	32: 1,639,261		160: 1,639,047		1,639,541				
24—	72.5: 1,638,912	54—	1: 1,639,067		104: 1,638,902		77: 1,639,405	139—	225: 1,639,595		335: 1,638,935				
	73: 1,639,226		6: 1,639,066	78—	31: 1,639,459		152: 1,638,823	140—	71: 1,639,397		338: 1,639,432				
	115: 1,639,278		32: 1,639,608	81—	19: 1,638,918	113—	8: 1,639,513		92.2: 1,639,019		1,639,437				
	126: 1,639,236		47: 1,639,073		63: 1,639,078		19: 1,639,516	141—	1: 1,638,835		354: 1,639,533				
	137: 1,638,979	55—	83: 1,639,104		66: 1,639,177		24: 1,639,552	143—	167: 1,639,039	175—	41: 1,639,597				
	163: 1,639,250		1,639,451		68: 1,639,228		46: 1,638,881	144—	117: 1,639,420		183: 1,639,003				
	194: 1,639,609	56—	18: 1,639,402		110: 1,638,891		59: 1,639,311		136: 1,639,485		294: 1,638,980				
	205: 1,639,376		35: 1,638,867		170: 1,638,990		80: 1,639,118		219: 1,639,488		312: 1,638,838				
	1,639,392		55: 1,639,055	82—	2: 1,639,060		109: 1,639,537		291: 1,639,083		355: 1,638,836				
25—	104: 1,639,616		413: 1,639,632		20: 1,639,028		115: 1,639,514		303: 1,638,849		359: 1,638,996				
	142: 1,638,988		417: 1,639,123	83—	14: 1,639,214	114—	16.5: 1,639,572		1,639,561		1,639,145				
	151: 1,639,271		424: 1,639,478		30: 1,639,364	115—	18: 1,639,339		309: 1,639,082	176—	126: 1,639,578				
28—	58: 1,638,943	56—	29: 1,638,917		73: 1,639,543	116—	8: 1,639,585	146—	3: 1,638,956		133: 1,639,188				
29—	2: 1,639,440		56: 1,639,598	84—	33: 1,639,105		33: 1,639,314		14: 1,639,627	177—	327: 1,638,827				
	54: 1,639,528	62—	54: 1,639,528		41: 1,639,107		41: 1,639,112		53: 1,639,523		329: 1,639,497				
	84: 1,639,111		83: 1,639,591		80: 1,639,324		47: 1,639,192		115: 1,638,901	178—	23: 1,639,212				
	115: 1,639,381		115: 1,639,023		115: 1,639,106	117—	42: 1,638,146	149—	8: 1,638,877		34: 1,639,213				
	85: 1,639,140	64—	17: 1,639,490		245: 1,639,241	118—	49: 1,639,406	150—	1.6: 1,639,005		44: 1,638,952				
	89: 1,639,345		1,639,498		253: 1,639,345	119—	2: 1,639,555		33: 1,639,454		45: 1,639,201				
	96: 1,638,574		1,639,499		268: 1,638,558		25: 1,639,000		1,639,574	179—	18: 1,639,089				
	148.3: 1,639,803		1,639,501	85—	2.4: 1,639,223		1,639,020		52: 1,639,418		27: 1,639,445				
	153: 1,638,873		1,639,503		2.8: 1,639,231		44: 1,639,025	151—	1: 1,639,511		48: 1,639,135				
	180: 1,639,068		1,639,504		49: 1,639,530		63: 1,639,554		1,639,637		100.2: 1,638,908				
30—	3: 1,639,198		1,639,505	87—	5: 1,639,070	121—	28: 1,639,213		9: 1,639,211		1,638,909				
	9: 1,639,026	18:	1,639,500		6: 1,638,977		32: 1,639,076		15: 1,639,407		114: 1,639,000				
	12: 1,639,335		1,639,502		19: 1,638,980		40: 1,638,897	152—	1: 1,639,175		119: 1,639,588				
	1,639,441	91:	1,639,240		27: 1,639,027		41: 1,639,285		8: 1,639,207		121: 1,638,908				
	13: 1,639,617	96:	1,638,947	88—	2.4: 1,639,229		97: 1,639,043		12: 1,639,303		171: 1,638,993				
32—	1: 1,639,626		1,639,480		14: 1,639,178	122—	20: 1,639,002		14: 1,639,206		1,639,000				
	9: 1,638,530		1,639,481		18.7: 1,639,469		37: 1,639,088		20: 1,639,573		1,639,042				
	12: 1,638,820	65—	61: 1,638,240	91—	3: 1,639,263		326: 1,638,924		21: 1,639,108		181: 1,639,546				
33—	49: 1,638,962	66—	150: 1,638,955		38: 1,639,540		491: 1,638,562		27: 1,639,506		186: 1,639,525				
	78: 1,638,914		157: 1,639,522		41: 1,639,052		504: 1,638,984	153—	39: 1,639,289	180—	1: 1,639,054				
	1,639,280	67—	7.1: 1,639,479	92—	5: 1,639,152	123—	41: 1,639,582		67: 1,638,868		9.2: 1,639,421				
	122: 1,638,984	68—	3: 1,639,275		18: 1,639,613		48: 1,639,477		72: 1,639,367		14: 1,639,630				
	124: 1,638,913		9: 1,639,410		34: 1,639,273		53: 1,639,165		79: 1,639,173		80: 1,639,284				

180—	82:	1,638,854	197—	136:	1,639,302	211—	8:	1,639,615	235—	104:	1,638,972	254—	126:	1,638,859	273—	80:	1,639,548
181—	27:	1,638,942	198—	19:	1,639,512		15:	1,639,021			1,638,973		187:	1,639,151		101:	1,639,506
		1,639,048		22:	1,639,920		24:	1,639,290	236—	15:	1,638,907		192:	1,639,439	274—	4:	1,639,060
		1,639,308		72:	1,639,346			1,639,318		34:	1,639,296	255—	1:	1,639,242	275—	2:	1,639,238
		1,639,359		138:	1,639,435	213—	56:	1,639,567			1,639,299		15:	1,638,876		3:	1,639,203
183—	73:	1,639,132		145:	1,639,061		127:	1,639,300	237—	67:	1,639,084		23:	1,639,268			1,639,447
		1,639,133	200—	6:	1,639,539		167:	1,639,301	238—	10:	1,639,234			1,639,337	277—	18:	1,639,446
	81:	1,639,538		16:	1,638,919	214—	1:	1,638,931		19:	1,639,232		61:	1,639,065	280—	11:	1,639,635
184—	39:	1,639,017		33:	1,638,926		1.1:	1,639,487		20:	1,639,524		76:	1,639,222		58:	1,639,296
	88:	1,638,941		45:	1,639,354		6:	1,639,576		203:	1,639,620	256—	25:	1,638,906		87.5:	1,639,124
187—	1:	1,639,200		54:	1,639,581	215—	11:	1,639,096		324:	1,638,982		57:	1,639,195		103:	1,638,953
	29:	1,639,100		58:	1,638,963		12:	1,639,529	240—	2:	1,639,618		58:	1,639,538		106:	1,638,948
188—	2:	1,639,320		67:	1,638,528		31:	1,639,398		6:	1,639,127	257—	129:	1,639,172	285—	48:	1,639,251
	20:	1,638,871		86:	1,639,578		46:	1,639,059		10:	1,639,493		223:	1,638,974		90:	1,639,225
	78:	1,639,142		90:	1,639,507	216—	7:	1,639,134		41:	1,639,363		243:	1,639,051		186:	1,639,315
		1,639,149		106:	1,639,196	219—	10:	1,638,892		45:	1,638,967	260—	11:	1,638,834	286—	7:	1,639,379
		1,639,379			1,639,197			1,639,109		48.4:	1,639,060		13:	1,638,833		9:	1,639,521
	152:	1,639,058		130:	1,639,077		19:	1,638,829		57:	1,639,486		39:	1,638,832	287—	52:	1,639,489
	172:	1,639,038		140:	1,639,374		20:	1,639,338		62:	1,639,119		53:	1,639,206		99:	1,639,009
	194:	1,638,904		153:	1,639,569		24:	1,639,015		78:	1,639,508		130.5:	1,639,186	290—	40:	1,638,872
		1,639,071		159:	1,638,905		32:	1,639,258		90:	1,639,336	261—	17:	1,639,179		52:	1,638,944
		1,639,095			1,639,126		37:	1,639,382	241—	8:	1,639,383		41:	1,639,396	292—	109:	1,639,434
	218:	1,639,519		161:	1,639,465	220—	9:	1,639,101		9:	1,638,921		72:	1,639,621		173:	1,639,400
	230:	1,639,256	201—	76:	1,638,849		26:	1,639,625	242—	10:	1,638,989		94:	1,639,467		228:	1,639,263
189—	25:	1,639,542			1,638,888		32:	R. 16,705		84.4:	1,639,362	262—	7:	1,639,215		340:	1,639,401
	35:	1,639,139	202—	8:	1,639,417		39:	1,639,091		84.6:	1,639,629		8:	1,638,866	293—	24:	1,639,154
	36:	1,639,483		9:	1,639,340		53:	1,639,349	244—	2:	1,639,029			1,639,050		55:	R. 16,706
		1,639,484		16:	1,639,391		59:	1,639,244		14:	1,639,553		30:	1,639,255			1,639,011
	61:	1,638,847	204—	25:	1,639,457	221—	47.5:	1,639,013		18:	1,638,961	263—	7:	1,638,908	294—	44:	1,639,183
	69:	1,639,148		64:	1,638,822		51:	1,639,409		21:	1,638,840			1,638,909	296—	44:	1,639,037
190—	41:	1,638,837			1,638,826		79:	1,639,329			1,639,002			1,638,937		48:	1,639,589
191—	36:	1,639,157			1,638,857			1,639,388	246—	63:	1,639,544		14:	1,638,845		94:	1,638,309
	43:	R. 16,704			1,639,007		108:	1,639,415		285:	1,638,911			1,639,380		95:	1,639,413
		1,639,527			1,639,340		140:	1,639,317	247—	7:	1,639,310		34:	1,639,243	297—	9:	1,638,958
	55:	1,638,856	205—	38:	1,639,461		146:	1,639,370		22:	1,639,496		48:	1,638,882	298—	10:	1,639,092
192—	133:	1,639,355	206—	1:	1,639,003	223—	21:	1,639,331		25:	1,638,940	264—	3:	1,639,470	299—	18:	1,639,220
	137:	1,639,386			1,639,509		52:	1,639,098	248—	3:	1,638,938		14:	1,639,265		69:	1,639,389
	139:	1,639,428		16:	1,639,227			1,639,099			1,638,939	265—	11:	1,639,057		88:	1,639,264
	144:	1,638,606			1,639,436		62:	1,638,844		16:	1,638,889		27:	1,639,121			1,639,297
	148:	1,638,860		29:	1,639,476	224—	20:	1,639,069			1,638,968		49:	1,639,120		127:	1,639,162
		1,638,861		44:	1,639,281			1,639,563		31:	1,639,635	267—	26:	1,639,631	300—	8:	1,639,557
194—	54:	1,639,344		52:	1,639,166			1,639,606	250—	9:	1,638,925		30:	1,639,636	301—	11:	1,639,322
195—	30:	1,639,571		56:	1,639,628	225—	21:	1,639,619		20:	1,639,414		34:	1,639,369		63:	1,639,570
196—	4:	1,639,325		57:	1,639,031	226—	5:	1,639,429		27:	1,638,930	268—	63:	1,639,130	304—	5:	1,638,939
	15:	1,639,373	209—	18:	1,639,046		58:	1,639,517		34:	1,639,464	270—	41:	1,639,040		20:	1,639,352
	35:	1,639,531		110:	1,639,443		90:	1,639,564	251—	105:	1,639,431	271—	28:	1,639,221	305—	8:	1,639,536
	110:	1,639,622		446:	1,638,864	228—	47:	1,639,210		156:	1,639,320		78:	1,639,184	306—	27:	1,639,614
	119:	1,639,180	210—	6:	1,638,869	229—	92.1:	1,639,566	253—	2:	1,639,274	272—	33:	1,639,363	308—	59:	1,639,116
	122:	1,639,327		152:	1,639,590	235—	61:	1,638,970		3:	1,639,356		63:	1,638,951		180:	1,638,957
	151:	1,639,347		165:	1,639,170		91:	1,639,384	253—	77:	1,639,247		64:	1,639,323		187:	1,638,959
197—	91:	1,639,199	211—	8:	1,639,295		95:	1,638,971	254—	16:	1,638,965	273—	77:	1,638,916			
	132:	1,639,235			1,639,296		101:	1,639,350		100:	1,639,516		80:	1,639,547			

Aug. 23, 1927

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A/S. Sano, Copenhagen, Denmark. Floor tile. 231,552; Aug. 23; Serial No. 242,220; published June 7, 1927. Class 12.

Abraham & Straus, Inc., New York, N. Y. Tea. 231,600; Aug. 23. Class 46.

Ace Bridge Diary Syndicate, New York, N. Y. Bridge diary. 231,482; Aug. 23; Serial No. 246,143; published June 7, 1927. Class 37.

Aero Products, Inc., Chicago, Ill. Coils for radio receiving circuits as well as parts thereof. 231,784; Aug. 23. Class 21.

Agrippa Company, Albany, Ga. Preparation for the treatment of coughs, colds, etc. 231,659; Aug. 23; Serial No. 248,609; published June 14, 1927. Class 6.

Aird-Don Company, Troy, N. Y. Basin cocks, bath cocks, bibs, soldering nipples, etc. 231,580; Aug. 23; Serial No. 246,321; published June 14, 1927. Class 13.

Aktiebolaget Pastill, Gefle, Sweden. Confections and sweets. 231,625; Aug. 23; Serial No. 228,289; published June 14, 1927. Class 46.

Aktieselskabet Aalborg Portland-Cement Fabrik. Rørdal Pr. Aalborg, Jutland, Denmark. Cement. 231,519; Aug. 23; Serial No. 245,132; published June 7, 1927. Class 12.

Albright & Wilson Limited, Oldbury, near Birmingham, England. Chemicals. 65,861; renewed Oct. 29, 1927.

Alpena Leather Corporation, Alpena, Mich. Leather. 231,537; Aug. 23; Serial No. 245,240; published June 7, 1927. Class 1.

American Coffee Co. of New Orleans, Ltd., to American Coffee Company, Inc., New Orleans, La., successor. Coffee. 63,717, renewed July 2, 1927

American Cyanamid Company, New York, N. Y. Flotation reagents for use in the concentration of minerals. 231,570; Aug. 23; Serial No. 247,057; published May 31, 1927. Class 6.

American Cyanamid Company, New York, N. Y. Flotation reagents for use in the concentration of minerals. 231,583; Aug. 23; Serial No. 247,058; published May 31, 1927. Class 6.

American Fork & Hoe Company, The, Cleveland, Ohio. Implement handles. 231,790; Aug. 23. Class 23.

American Pulley Company, Philadelphia, Pa. Pressed-steel trucks. 231,791; Aug. 23. Class 19.

Amory, Browne & Co., New York, N. Y. Cotton piece goods. 231,724; Aug. 23; Serial No. 247,059; published June 7, 1927. Class 42.

Apollinaris Brunnen Actien Gesellschaft. (See Die Actiengesellschaft Apollinaris Brunnen.)

Armould Oil Company, Quincy, Ill. Lubricating oil. 231,684; Aug. 23; Serial No. 245,319; published May 31, 1927. Class 15.

Armstrong Cork Company, Pittsburgh, Pa. Linoleum and felt-base floor coverings. 231,720; Aug. 23; Serial No. 246,995; published June 7, 1927. Class 20.

Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Hydraulic cement. 231,618; Aug. 23; Serial No. 244,871; published May 24, 1927. Class 12.

Associated Merchandising Corporation, New York, N. Y. Perfume. 231,704; Aug. 23; Serial No. 247,456; published May 24, 1927. Class 6.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics in the piece. 231,743; Aug. 23; Serial No. 248,409; published June 14, 1927. Class 42.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y. Woolen textile fabrics. 231,744; Aug. 23; Serial No. 248,466; published June 14, 1927. Class 42.

Atlas Gypsum Corporation, The, New York, N. Y. Gypsum. 231,515; Aug. 23; Serial No. 244,270; published May 17, 1927. Class 12.

Austin Accessories Manufacturing Co., Chicago, Ill. Dry-cell batteries, unit cells, assembled batteries, and storage batteries. 231,798; Aug. 23. Class 21.

B and M Manufacturing Company, The, St. Paul, Minn. Adhesive composition. 231,642; Aug. 23; Serial No. 241,383; published May 24, 1927. Class 6.

Baker Brothers Company, Streator, Ill. Canned vegetables, canned fruits, canned berries, etc. 231,503; Aug. 23; Serial No. 245,826; published May 31, 1927. Class 46.

Banner Watch Co. (See Schein & Engel Co.)

Barber, W. H., Company, Minneapolis, Minn. Lubricating oils and greases. 231,568; Aug. 23; Serial No. 242,405; published June 7, 1927. Class 15.

Baskind, Louis, New York, N. Y. Shirts and pyjamas. 231,780; Aug. 23. Class 39.

Bayer Company, Inc., The, New York, N. Y. Grass stimulants. 231,578; Aug. 23; Serial No. 246,949; published June 14, 1927. Class 10.

Bayer Company, Inc., The, New York, N. Y. Plant disinfectant. 231,579; Aug. 23; Serial No. 247,307; published June 7, 1927. Class 6.

Bayle Food Products Co., St. Louis, Mo. Peanut butter and prepared mustard bran. 231,607; Aug. 23; Serial No. 243,580; published May 31, 1927. Class 46.

Bazley, Ernest S., doing business as The Bazley Market, Chicago, Ill. Lard. 231,799; Aug. 23. Class 46.

Beaver Products Company of Virginia Inc., The, North Hoiston, Va. Insecticides. 231,669; Aug. 23; Serial No. 247,662; published May 31, 1927. Class 6.

Becker Bros. & Co., assignor to Becker Bros. & Company, Inc., Furs, New York, N. Y. Furs and skins. 66,037; renewed Nov. 5, 1927.

Beck's Baking Corporation, Winchester, Va. Bread. 231,558; Aug. 23; Serial No. 242,565; published June 7, 1927. Class 46.

Bee Jay Products Co., Inc., New York, N. Y. Game apparatus. 231,601; Aug. 23; Serial No. 230,513; published June 7, 1927. Class 22.

Belanger, Victor, New Bedford, Mass. Medicine. 231,637; Aug. 23; Serial No. 239,288; published June 7, 1927. Class 6.

Bess, W. E., Sedalia, Mo. Preparation for use in the treatment of colds, la grippe, etc. 231,616; Aug. 23; Serial No. 244,848; published May 24, 1927. Class 6.

Best & Co., Inc., New York, N. Y. Porcelain and china bedroom chambers, cereal sets, and chinaware. 231,468; Aug. 23; Serial No. 242,468; published June 14, 1927. Class 30.

Best & Co., Inc., New York, N. Y. Chariots, gocarts, strollers, perambulators, and prams. 231,605; Aug. 23; Serial No. 242,470; published June 14, 1927. Class 19.

Bingham, J. F., Sioux Falls, S. Dak. Liniment. 231,525; Aug 23; Serial No. 246,066; published May 31, 1927. Class 6.

Binner, Mme. (See Scognamillo, Rose.)

Bliss Laboratories, Inc., The, New York, N. Y. Hair tonic, hair powder, astringent remedies, face powder, tissue cream, etc. 231,626; Aug. 23; Serial No. 229,401; published May 31, 1927. Class 6.

Boake, A., Roberts & Co. Ltd., Stratford, London, England. Preparation for preserving wine and beer. 66,447; renewed Nov. 26, 1927.

Bochmann, F. A., & Co., Inc., Philadelphia, Pa. Worsted and woolen dress goods manufactured in the piece. 231,719; Aug. 23; Serial No. 246,950; published June 14, 1927. Class 42.

Booth Fisheries Company. (See Kelley-Clarke Co., assignors.)

Borm, Ferdinand H., Chicago, Ill. Device for recording the number of hits made during the course of a game of golf. 231,760; Aug. 23; Serial No. 247,773; published June 7, 1927. Class 22.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 231,621; Aug. 23; Serial No. 211,012; published May 31, 1927. Class 42.

Bradfield Regulator Co., The, Atlanta, Ga. Remedies for female use. 66,892–95; renewed Jan. 7, 1928.

Brent's, Dr., Nature Food Co. Inc. The, Portland, Oreg. Canned wheat. 231,549; Aug. 23; Serial No. 240,696; published June 7, 1927. Class 46.

Brown and Bailey Condensed Milk Company, Brooklyn, N. Y. Powdered skim milk. 231,632; Aug. 23; Serial No. 235,880; published May 31, 1927. Class 46.

Brumback, Jeanne de M., White Plains, N. Y. Dolls. 231,772; Aug. 23; Serial No. 247,460; published June 7, 1927. Class 22.

Bruner, S., Inc., New York, N. Y. Watches. 231,506; Aug. 23; Serial No. 244,601; published June 7, 1927. Class 27.

Bryant Electric Company, The. (See Perkins Electric Switch Mfg. Co., assignor.)

Bundt Laboratories, The, Detroit, Mich. Medicine for asthma and hay fever. 231,666; Aug. 23; Serial No. 247,596; published June 7, 1927. Class 6.

Butzbach, Irwin R., South Bend, Ind. Bananas. 231,584; Aug. 23; Serial No. 247,064; published June 14, 1927. Class 46.

Buzza Company, The, Minneapolis, Minn. Gift mottoes. 231,545; Aug. 23; Serial No. 234,370; published June 7, 1927. Class 38.

Buzza Company, The, Minneapolis, Minn. Gift mottoes. 231,546; Aug. 23; Serial No. 234,373; published May 31, 1927. Class 38.

Buzza Company, The, Minneapolis, Minn. Gift mottoes. 231,547; Aug. 23; Serial No. 234,376; published May 31, 1927. Class 38.

California Preserving Co., Los Angeles, Calif. Jelly, jam, fruit preserves, etc. 231,656; Aug. 23; Serial No. 248,551; published June 14, 1927. Class 46.

Capitol Knitting Co., Toledo, Ohio. Hosiery. 231,783; Aug. 23. Class 39.

Carborundum Company, The, Niagara Falls, N. Y. Radiating combustion chambers. 231,673; Aug. 23; Serial No. 246,661; published June 14, 1927. Class 34.

Carlton Mills, Inc., New York, N. Y. Periodical. 231,591; Aug. 23; Serial No. 247,066; published May 31, 1927. Class 38.

Carter Publications, Inc., Fort Worth, Tex. Daily newspaper. 231,491; Aug. 23; Serial No. 246,528; published May 31, 1927. Class 38.

Champlain Silk Mills, New York, N. Y. Yarn. 231,742; Aug. 23; Serial No. 248,618; published June 14, 1927. Class 43.

Char-Bu Medicine Co. (See Sacra, R. L.)

Chemisch-Pharmazeutische A. G. Bad Homburg, Bad Homburg, Germany. Preparations made from fresh camomile. 231,643; Aug. 23; Serial No. 241,867; published June 14, 1927. Class 6.

Chicago Mail Order Company, Chicago, Ill. Clocks and watches. 231,718; Aug. 23; Serial No. 246,888; published June 7, 1927. Class 27.

Chipman Knitting Mills, Easton and Spring Grove, Easton, Pa. Hosiery. 231,776; Aug. 23. Class 39.

Cities Service Oil Company, Cleveland, Ohio. Kerosene, gasoline, lubricating oils and greases. 231,505; Aug. 23; Serial No. 244,493; published June 14, 1927. Class 15.

Cockcroft Silk Company, Inc., New York, N. Y. Scarfs and shawls. 231,797; Aug. 23. Class 39.

Coe, W. H., Manufacturing Co., Providence, R. I. Implements for depositing metallic leaf. 65,951; renewed Oct. 29, 1927.

Coe, W. H., Manufacturing Co., Providence, R. I. Hand-operated gilding wheel. 66,733–5; renewed Dec. 24, 1927.

Cohn & Rosenberger, Inc., New York, N. Y. Pearls, necklaces, brooches, bar pins, etc. 231,560; Aug. 23; Serial No. 234,253; published June 7, 1927. Class 28.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonographs, phonographs adapted for combination with radio receiving sets, and parts for such phonographs. 231,711–12; Aug. 23; Serial Nos. 246,669–70; published June 7, 1927. Class 36.

Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 231,733; Aug. 23; Serial No. 248,352; published June 7, 1927. Class 20.

Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings of the oiled-cloth type. 231,754; Aug. 23; Serial No. 248,350; published June 7, 1927. Class 20.

Connor, Walter J., doing business as 1-0-1 Manufacturing Company, Minneapolis, Minn. Lubricating oils and greases. 231,474; Aug. 23; Serial No. 244,138; published June 7, 1927. Class 15.

Consolidated Research Laboratories, Inc., Newark, N. J. Condensers, resistance couplers, coils, and dials. 231,796; Aug. 23. Class 21.

Consumers Company, Chicago, Ill. Coal. 231,538; Aug. 23; Serial No. 245,534; published June 7, 1927. Class 1.

Continental Baking Co., Inc., New York, N. Y. Bread. 231,477; Aug. 23; Serial No. 246,016; published May 31, 1927. Class 46.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Roofing material, namely, sheathing. 231,510; Aug. 23; Serial No. 244,047; published May 24, 1927. Class 12.

Continental Roofing & Manufacturing Co., Baltimore, Md. Roofing material. 231,511–12; Aug. 23; Serial Nos. 244,052–3; published May 24, 1927. Class 12.

Continental Roofing & Manufacturing Co., The, Baltimore, Md. Asphalt roofing material. 231,513; Aug. 23; Serial No. 244,054; published May 24, 1927. Class 12.

Corn Products Refining Company, New York, N. Y. Chocolate sirup. 231,639; Aug. 23; Serial No. 240,806; published May 31, 1927. Class 46.

Corning Glass Works, Corning, N. Y. Glass. 231,761; Aug. 23; Serial No. 247,839; published June 14, 1927; Class 33.

Corning Glass Works, Corning, N. Y. Glass. 231,765; Aug. 23; Serial No. 247,781; published June 14, 1927. Class 33.

Councilman, Frank D., assignor to Harrison Valley Mineral Water Company, Harrison Valley, Pa. Mineral and table waters and all nonalcoholic carbonated beverages. 63,363; renewed June 18, 1927.

Country Club Magazine Pub. Co. (See Paddock, Sherman A.)

Courtney Shoe Co., The, St. Louis, Mo., assignor to Craddock Terry Company, Lynchburg, Va. Leather boots and shoes. 66,095; renewed Nov. 12, 1927.

Cracker Jack Co., The. (See Rueckheim Bros. & Eckstein, assignor.)

Craddock Terry Company. (See Courtney Shoe Co., assignor.)

Creek Chub Bait Co., The, Garrett, Ind. Artificial baits. 231,475; Aug. 23; Serial No. 244,291; published May 24, 1927. Class 22.

Creme Jasmin Company, Minneapolis, Minn. Skin lotions. 231,628; Aug. 23; Serial No. 231,310; published June 14, 1927. Class 6.

Crescent Belt Fastener Company, New York, N. Y. Rivets. 231,571–3; Aug. 23; Serial Nos. 246,952–4; published June 14, 1927. Class 13.

Cseh, Joseph, Porters Corners, N. Y. Medicinal preparation. 231,600; Aug. 23; Serial No. 248,677; published June 14, 1927. Class 6.

Cunningham, E. T., Inc., New York, N. Y. Thermionic detector, amplifier, and oscillator tubes. 231,803; Aug. 23. Class 21.

Davex Corporation, New York, N. Y. Preparation for removing dandruff, hair tonic, hairdressing, etc. 231,527–8; Aug. 23; Serial Nos. 246,953–4; published May 24, 1927. Class 6.

Diaz, B., & Co., assignor to J. B. Diaz & Co., S. en C., New York, N. Y. Fertilizers and fertilizing materials. 66,419; renewed Nov. 26, 1927.

Di Clementi, Felix, doing business as F. di Clementi & Co., Springfield, Mass. Malt extracts. 231,802; Aug. 23. Class 48.

Die Actiengesellschaft Apollinaris Brunnen, to Apollinaris Brunnen Actien Gesellschaft, Neuenahr, Germany, successor. Mineral water. 66,136; renewed Nov. 12, 1927.

Dill Co., The, Norristown, Pa. Insecticides. 231,746; Aug. 23; Serial No. 247,729; published May 24, 1927. Class 6.

Dintilhac, Jean G., Paris, France. Lubricating oils and greases. 231,469; Aug. 23; Serial No. 242,883; published May 31, 1927. Class 15.

Dolan and Hancock, Fort Scott, Kans. Preparation for piles. 231,649; Aug. 23; Serial No. 247,936; published June 7, 1927. Class 6.

Doshi Trading Co. Ltd., New York, N. Y. Silk piece goods. 231,713; Aug. 23; Serial No. 246,671; published June 7, 1927. Class 42.

Druggists' Supply Corporation, New York, N. Y. Sanitary napkins. 231,702; Aug. 23; Serial No. 247,526; published May 31, 1927. Class 44.

Dugan Brothers, Inc., Brooklyn, N. Y. Bread, rolls, and cake. 231,490; Aug. 23; Serial No. 246,470; published May 31, 1927. Class 46.

Duo-Dye Corporation, New York, N. Y. Silk piece goods, silk and cotton piece goods, silk scarfs used as draperies, and ribbons. 231,787; Aug. 23. Class 42.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 231,756; Aug. 23; Serial No. 248,162; published June 14, 1927. Class 42.

Duplan Silk Corporation, New York, N. Y. Rayon and silk mixed piece goods. 231,757; Aug. 23; Serial No. 248,161; published June 14, 1927. Class 42.

Du Pont Viscoloid Company, New York, N. Y. Mass molding composition with pyroxylin base. 231,487; Aug. 23; Serial No. 246,396; published May 31, 1927. Class 1.

Durand & Huguenin S. A., Basel, Switzerland. Artificial dyestuffs and chemical products for dyeing and printing. 231,673; Aug. 23; Serial No. 246,533; published May 24, 1927. Class 6.

Duryea, Nina L., New York, N. Y. Fabric without warp or woof. 231,596; Aug. 23; Serial No. 247,677; published June 7, 1927. Class 37.

Dus-It Company, Milford, Del. Medicine for use in the treatment of piles. 231,668; Aug. 23; Serial No. 247,678; published May 31, 1927. Class 6.

Ebeling, John H., Milling Company, Green Bay, Wis. Wheat flour. 64,485 renewed Aug. 6, 1927.

Eberhardt, Julian H. E., doing business as The Long-Ease Co., Savannah, Ga. Reconstructive tonic and healing expectorant. 231,701; Aug. 23; Serial No. 247,527; published May 24, 1927. Class 6.

Edward & Deutsch Lithographing Company, Chicago, Ill. Lithographs, etc. 231,551; Aug. 23; Serial No. 241,204; published May 31, 1927. Class 38.

Elder Mfg. Co., St. Louis, Mo. Cloth of cotton, silk, and combinations of the same. 231,788; Aug. 23. Class 42.

Eli Lilly and Company, Indianapolis, Ind. Tablet of hexamethylenamine. 231,586; Aug. 23; Serial No. 247,135; published June 7, 1927. Class 6.

Elsworth, J. & J. W., Co. (See Morgan Oyster Company.)

Engineering Magazine Company, The, New York, N. Y. Publication. 231,532; Aug. 23; Serial No. 193,276; published May 31, 1927. Class 38.

Enterprise Chemical Co., doing business as Maison Marivonne, St. Louis, Mo. Perfume, toilet water, shampoo, face powder, etc. 231,630; Aug. 23; Serial No. 247,933; published June 7, 1927. Class 6.

Eppenbach, Inc., Long Island City, N. Y. Emulsion of magnesia. 231,644; Aug. 23; Serial No. 247,790; published May 31, 1927. Class 6.

Epstein, Frank A., assignor to Epstein Drug Company, Boston, Mass. Medicines. 65,223–4; renewed Sept. 10, 1927.

Erté, Inc., New York, N. Y. Perfumes, body lotions, face powders, bath salts, etc. 231,700; Aug. 23; Serial No. 247,529; published June 7, 1927. Class 6.

Essex Gelatine Company, Boston, Mass. Gelatin. 231,727; Aug. 23; Serial No. 246,339; published May 31, 1927. Class 46.

Esteva y Oliver, Hijos of Antonio, Palma de Mallorca, Spain. Nougats, preserves, etc. 231,548; Aug. 23; Serial No. 229,108; published May 31, 1927. Class 46.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Motor fuel oils. 231,773; Aug. 23; Serial No. 247,366; published June 14, 1927. Class 15.

Evans, H. C., & Company, Chicago, Ill. Pianos. 231,687; Aug. 23; Serial No. 245,701; published May 31, 1927. Class 36.

Evening Star Newspaper Co., The, Washington, D. C. Newspaper. 66,508–9; renewed Dec. 10, 1927.

Exolon Company, The, Blasdell, N. Y. Refractory materials. 231,508; Aug. 23; Serial No. 243,257; published May 24, 1927. Class 12.

Fabrique des Longines Francillon & Co. S. A. (See Wittnauer, A., Co., assignor.)

Fairbank, N. K., Company, The, Chicago, Ill., assignor, by mesne assignments, to Gold Dust Corporation, Jersey City, N. J. Soap. 59,758; renewed Jan. 15, 1927.

Fannie May Candy Co. Inc., Washington, D. C. Candy. 231,651; Aug. 23; Serial No. 248,094; published June 14, 1927. Class 46.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 231,793; Aug. 23. Class 39.

Federal Mail Order Corporation, New York, N. Y. Watches, watch movements, and parts of watches. 231,770; Aug. 23; Serial No. 247,731; published June 14, 1927. Class 27.

Feinstein, Joseph, New York, N. Y. Watches, watch movements, watchcases, and parts thereof. 231,740–1; Aug. 23; Serial Nos. 248,629–30; published June 14, 1927. Class 27.

Fischer, Carl, Inc., New York, N. Y. Manuscript music paper. 231,590; Aug. 23; Serial No. 246,946; published June 7, 1927. Class 37.

Fischer, Haydn L., doing business as Sugar Products Co., Not Inc., Kewanee and Chicago, Ill. Laxatives. 231,575; Aug. 23; Serial No. 246,824; published May 31, 1927. Class 6.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Coffee. 231,648; Aug. 23; Serial No. 247,894; published June 14, 1927. Class 46.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 231,680; Aug. 23; Serial No. 245,203; published June 7, 1927. Class 42.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 231,681; Aug. 23; Serial No. 245,205; published June 7, 1927. Class 42.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 231,734; Aug. 23; Serial No. 248,357; published June 7, 1927. Class 42.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 231,737–8; Aug. 23; Serial Nos. 248,358–9; published June 7, 1927. Class 42.

Fox, M. Ewing, & Co., assignor to M. Ewing Fox Co. Inc., New York, N. Y. Decorative wall finish or calcimine. 64,699; renewed Aug. 20, 1927. Class 16.

Freeburg Milling Co., Freeburg, Ill. Wheat flour. 64,781; renewed Aug. 20, 1927.

French Beauty Products Co., Inc., New York, N. Y. Tooth paste and talcum powder. 231,729; Aug. 23; Serial No. 246,398; published May 24, 1927. Class 6.

Friedman & Distillator, assignor to Friedman & Distillator, Inc., New York, N. Y. Chiffons, malines, ribbons, and velvets. 66,740; renewed Dec. 24, 1927.

Garry & Company, Inc., New York, N. Y. Face powders, creams, and packs, rouges, hair oils, etc. 231,706; Aug. 23; Serial No. 247,368; published June 7, 1927. Class 6.

Gash-Stuil Company, Chester, Pa. Trailers, gravity dumps, dump bodies, axles, brakes, etc. 231,576; Aug. 23; Serial No. 246,829; published June 14, 1927. Class 19.

Gilbert, William L., Clock Company, Winsted, Conn. Clocks. 231,561; Aug. 23; Serial No. 236,743; published June 7, 1927. Class 27.

Gill & Duffus, London, England. Nut kernels in the natural state for food. 231,543; Aug. 23; Serial No. 245,836; published May 31, 1927. Class 46.

Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glassware used for electric-lighting purposes. 231,707; Aug. 23; Serial No. 246,546; published June 7, 1927, Class 33.

Goltrene Company, The. (See Shrimplin, Nellie B.)

Gold Dust Corporation. (See Fairbank, N. K., Company, The, assignor.)

Goodman Manufacturing Company, Chicago, Ill. Electric scraper loading machinery for use in mines and for similar purposes. 231,785; Aug. 23. Class 21.

Gordon, David, doing business as National News Review, Inc., Cleveland, Ohio. Publication. 231,592; Aug. 23; Serial No. 247,183; published June 7, 1927. Class 38.

Graham Paper Company, St. Louis, Mo. Paper. 66,549–55; renewed Dec. 10, 1927.

Grain Belt Mills Company, South St. Joseph, Mo. Dairy feed. 231,598; Aug. 23; Serial No. 247,852; published May 31, 1927. Class 46.

Grain Belt Mills Company, South St. Joseph, Mo. Horse and mule feed. 231,600; Aug. 23; Serial No. 247,854; published May 31, 1927. Class 46.

Granucci, Gisberto, San Francisco, Calif. Olive oil. 231,526; Aug. 23; Serial No. 246,025; published May 31, 1927. Class 46.

Grasselli Chemical Company, The, Cleveland, Ohio. Plant foods and fertilizers. 231,655; Aug. 23; Serial No. 248,408; published June 14, 1927. Class 10.

Great Western Oil Company, The, Cleveland, Ohio. Motor oil. 231,715; Aug. 23; Serial No. 246,833; published June 7, 1927. Class 15.

Griess Pfleger Tanning Company, The, Cincinnati, Ohio. Leather. 231,544; Aug. 23; Serial No. 230,538; published June 7, 1927. Class 1.

Grove Silk Company, Dunmore, Pa. Silk filling or woof. 231,801; Aug. 23. Class 43.

Guggenheim Bros., Chicago, Ill. Sausage, bacon, ham, and dried beef. 231,574; Aug. 23; Serial No. 247,020; published June 14, 1927. Class 46.

Gunn, J. Lindsey, doing business as The Nor-Va Products Company, Norfolk, Va. Mayonnaise, Thousand Island dressing, and vegetable-chow relish. 231,730; Aug. 23; Serial No. 246,402; published May 31, 1927. Class 46.

H-O Lacquer Mfg. Co., Brooklyn, N. Y. Lacquers and paint enamels. 231,640; Aug. 23; Serial No. 240,855; published Apr. 5, 1927. Class 16.

Harrison Valley Mineral Water Company. (See Councilman, Frank D., assignor.)

Hartline Blotter Pen Co., Inc., Tampa, Fla. Fountain pens, roller blotters, and fountain-pen parts. 231,492; Aug. 23; Serial No. 246,610; published June 7, 1927. Class 37.

Health Cigar Company, The. (See Simpson, Max.)

Heilmann, Richard, Long Island City, N. Y. Egg compound consisting of ninety per cent of eggs and ten per cent of salt. 231,674; Aug. 23; Serial No. 246,550; published May 31, 1927. Class 46.

Helmer, Philip E., Pinconning, Mich. Nonclogging radiator liquid. 231,504; Aug. 23; Serial No. 245,908; published May 24, 1927. Class 6.

Henrix-Luebbert Mfg. Co. Inc., San Francisco, Calif. Tents. 231,516; Aug. 23; Serial No. 244,693; published May 24, 1927. Class 50.

Hershey, Geo. S., doing business as George S. Hershey Company, Los Angeles, Calif. Powder puffs. 231,693; Aug. 23; Serial No. 246,208; published May 24, 1927. Class 29.

Hess & Wiener, Incorporated, New York, N. Y. Jewelry. 231,682; Aug. 23; Serial No. 245,210; published May 31, 1927. Class 28.

Hillside Cotton Mills, doing business as Valley Mills, Lagrange, Ga. Industrial wiping cloths. 231,767–8; Aug. 23; Serial Nos. 247,736–7; published June 14, 1927. Class 29.

Hillside Cotton Mills, doing business as Valway Mills, Lagrange, Ga. Textile rugs. 231,769; Aug. 23; Serial No. 247,735; published June 14, 1927. Class 42.

Holgaard, C. J., Company, Minneapolis, Minn. Tents and tent structures. 231,493; Aug. 23; Serial No. 246,611; published May 31, 1927. Class 50.

Hopple, Charles W., Buffalo, N. Y. Face creams and powder, toilet water, perfumes, and skin lotions. 231,581; Aug. 23; Serial No. 247,318; published June 7, 1927. Class 6.

Houdaille et Triquet, Choisy-le-Roi, France, assignor to Societe du Verre Sili-Chrome, Paris, France. Glass shades, globes, and chimneys. 62,591; renewed May 14, 1927.

House, Jacob, & Son, successor to Jacob House & Sons, Buffalo, N. Y. Ginger ale. 66,296; renewed Nov. 19, 1927.

Hovey, C. F., Co., Boston, Mass. Sanitary belts. 231,703; Aug. 23; Serial No. 247,475; published May 31, 1927. Class 44.

Hudnut, Richard, New York, N. Y. Perfume. 231,567; Aug. 23; Serial No. 242,337; published Mar. 1, 1927. Class 6.

Hudnut, Richard, New York, N. Y. Rouge, lip stick, and face powder. 231,619; Aug. 23; Serial No. 248,905; published June 21, 1927. Class 6.

Hugh Nelson Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 231,804; Aug. 23. Class 42.

Hughey, Author M., doing business as The Super-Products Co., Decatur, Ill. Gasoline. 231,697; Aug. 23; Serial No. 246,410; published June 14, 1927. Class 15.

Huncke, Max, Chemical Company, The, Brooklyn, N. Y. Soap. 65,889; renewed Oct. 29, 1927.

International Motor Company, New York, N. Y. Motor trucks. 231,645; Aug. 23; Serial No. 247,861; published June 14, 1927. Class 19.

International Shoe Company, St. Louis, Mo. Boots and shoes of leather. 231,779; Aug. 23. Class 39.

Jackson, Dean C., Los Angeles, Calif. Mush. 231,518; Aug. 23; Serial No. 244,772; published May 31, 1927. Class 46.

Jackson, L. K., doing business as Madam L. Kemp Jackson, Ensley, Ala. Pressing oil and a preparation for treating dandruff, falling hair, etc. 231,705; Aug. 23; Serial No. 247,436; published May 31, 1927. Class 6.

Jefferson, Willis G., Parker Head, Me. Medicinal powders. 231,748; Aug. 23; Serial No. 246,209; published June 7, 1927. Class 6.

K. D. C. Company, Limited, New Glasgow, Canada. Medicines. 231,588; Aug. 23; Serial No. 247,273; published June 7, 1927. Class 6.

Kalogerakos, Demitrios F., New York, N. Y. Medicine for deafness. 231,499; Aug. 23; Serial No. 245,561; published June 7, 1927. Class 6.

Kann, William L., Pittsburgh, Pa. Logs. 231,541; Aug. 23; Serial No. 245,721; published June 7, 1927. Class 1.

Kelley-Clarke Co., Seattle, Wash., assignor, by mesne assignments, to Booth Fisheries Company, Chicago, Ill. Canned salmon. 63,363; renewed June 11, 1927.

Kentucky Holding Corporation, The, Louisville, Ky. Whisky. 231,691; Aug. 23; Serial No. 246,032; published May 31, 1927. Class 49.

Keystone Steel & Wire Company, South Bartonville, Peoria, Ill. Nails. 231,658; Aug. 23; Serial No. 248,575; published June 14, 1927. Class 13.

Kibbe Brothers Company, Springfield, Mass. Candies in the form of caramels. 231,531; Aug. 23; Serial No. 246,164; published June 14, 1927. Class 46.
King Bros. Boiler Works., also doing business as King Bros., Portland, Oreg. Coated steel interment vaults. 231,733; Aug. 23; Serial No. 246,485; published June 14, 1927. Class 2.
King Features Syndicate, Inc., New York, N. Y. Newspaper section. 231,594; Aug. 23; Serial No. 247,545; published June 7, 1927. Class 38.
Klein, G., & Son, New York, N. Y. Rosaries. 231,721; Aug. 23; Serial No. 247,025; published June 14, 1927. Class 28.
Klein, Morris, New York, N. Y. Finger rings. 231,777; Aug. 23. Class 28.
Knapik, Hedvig, New York, N. Y. Ointment. 231,699; Aug. 23; Serial No. 247,546; published May 24, 1927. Class 6.
Koenig, Harry D., doing business as Harry D. Koenig & Co., New York, N. Y. Face powders and rouges, lip rouges, perfumes, etc. 231,634; Aug. 23; Serial No. 237,374; published Jan. 4, 1927. Class 6.
L & L Watch Case Company, New York, N. Y. Watch-cases. 231,470; Aug. 23; Serial No. 243,095; published May 31, 1927. Class 27.
Laboratoire de Pharmacologie, Inc., New York, N. Y. Salol compound, santal oil, compound of copaiba, cubeb, and santal. 231,745; Aug. 23; Serial No. 247,742; published June 7, 1927. Class 6.
Las-Kon-Ice, Inc., Reno, Nev. Frozen products. 231,582; Aug. 23; Serial No. 247,333; published May 31, 1927. Class 46.
Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavoring extracts. 231,520; Aug. 23; Serial No. 245,913; published May 31, 1927. Class 46.
Law, Hartland and H. E., to The Viavi Company, San Francisco, Calif., successor. Tonic. 66,749; renewed Dec. 24, 1927.
Leader Specialty Co., Inc., Indianapolis, Ind. Tank bulbs, union washers, force cups, sink gaskets, etc. 231,587; Aug. 23; Serial No. 247,191; published June 14, 1927. Class 13.
Leechburg Oil and Paint Company, to Penn-Glenn Oil Works, Leechburg, Pa., successor. Axle grease. 63,960; renewed July 16, 1927.
Lefebure Ledger Company, to Lefebure Corporation, Cedar Rapids, Iowa, successor. Ledgers. 64,002; renewed July 16, 1927.
Lenzner, Edward G., doing business as Oil Field Engineering Co., Los Angeles, Calif. Periodical. 231,496; Aug. 23; Serial No. 246,914; published May 31, 1927. Class 38.
Les Etablissements Poulenc Frères, Paris, France. Oxyacetylaminophenylarsinic acid. 231,661–2; Aug. 23; Serial Nos. 248,776–7; published June 14, 1927. Class 6.
Lindemann, Joseph S., New York, N. Y. Perfumes, body lotions, bath salts, etc. 231,667; Aug. 23; Serial No. 247,550; published June 7, 1927. Class 6.
Lindersmith, Francis M., doing business as F. M. Lindersmith Chemical Company, Spokane, Wash. Dental powder. 231,610; Aug. 23; Serial No. 243,956; published May 31, 1927. Class 6.
Lionel Trading Co. Inc., New York, N. Y. Perfumes. 231,620; Aug. 23; Serial No. 173,513; published May 24, 1927. Class 6.
Literary Guild of America, Inc., The, New York, N. Y. Publication. 231,542; Aug. 23; Serial No. 245,734; published June 7, 1927. Class 38.
Loewenthal, Mabel S., Chicago, Ill. Face creams, reducing creams, rouges, brilliantines, etc. 231,611; Aug. 23; Serial No. 243,957; published June 7, 1927. Class 6.
Loft, Inc., New York, N. Y. Candy. 231,614; Aug. 23; Serial No. 244,162; published June 14, 1927. Class 46.
Long-Ease Co., The. (See Eberhardt, Julian H. E.)
Lovejoy, Arthur W., Lowell, Mass. Toilet paper. 231,533; Aug. 23; Serial No. 215,413; published May 31, 1927. Class 37.
Macy, R. H., & Co., Inc., New York, N. Y. Cotton yard goods in the piece. 231,688; Aug. 23; Serial No. 245,737; published June 7, 1927. Class 42.
Magnesia Products Inc., Atlanta, Ga. Medicated chewing gum. 231,523; Aug. 23; Serial No. 245,995; published May 24, 1927. Class 6.
Maison A. Gazzoni & Compania, Bologna, Italy. Product formed of a combination of powders. 231,609; Aug. 23; Serial No. 243,937; published May 24, 1927. Class 6.
Maison Marivonne. (See Enterprise Chemical Co.)
Marathon Co., Attleboro, Mass. Cigarette cases, cigar lighters, and match cases. 231,692; Aug. 23; Serial No. 246,103; published May 31, 1927. Class 28.
Marquisette, Inc., Brooklyn, N. Y. Face powders, creams, packs, toilet waters, rouges, etc. 231,751; Aug. 23; Serial No. 246,299; published May 24, 1927. Class 6.
Marshall Field & Company, Chicago, Ill. Perfumes, rouge, lip sticks, etc. 231,521; Aug. 23; Serial No. 245,966; published June 7, 1927. Class 6.
Marshall Field & Company, Chicago, Ill. Perfumes, rouge, lip sticks, etc. 231,522; Aug. 23; Serial No. 245,971; published June 7, 1927. Class 6.
Martory, Alfred, Paris, France. Perfumes. 231,632; Aug. 23; Serial No. 248,109; published June 7, 1927. Class 6.
Martory, Alfred, Paris, France. Perfumes. 231,653; Aug. 23; Serial No. 248,112; published June 7, 1927. Class 6.
Marvin, W. H., Company, The, Urbana, Ohio. Dried currants and mincemeat. 231,677–8; Aug. 23; Serial Nos. 246,488–9; published May 31, 1927. Class 46.
Merchant Products Corporation, New York, N. Y. Manila and sisal rope and twine. 231,771; Aug. 23; Serial No. 247,484; published June 7, 1927. Class 7.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Dentifrices and mouth washes. 231,672; Aug. 23; Serial No. 246,550; published May 31, 1927. Class 6.
Michigan Alkali Company, Wyandotte, Mich. Portland cement. 231,535; Aug. 23; Serial No. 221,427; published Mar. 8, 1927. Class 12.
Miller, Abraham, Brooklyn, N. Y. Cigars. 231,739; Aug. 23; Serial No. 248,420; published June 14, 1927. Class 17.
Miller, Benjamin F., Philadelphia, Pa. Textile fabrics. 231,762; Aug. 23; Serial No. 247,808; published June 14, 1927. Class 42.
Mint-O-Lax, Inc., Milwaukee, Wis. Laxative preparation. 231,665; Aug. 23; Serial No. 247,626; published June 7, 1927. Class 6.
Möller, Peter, A/S., Oslo, Norway. Cod-liver oil. 231,602; Aug. 23; Serial No. 242,347; published May 24, 1927. Class 6.
Monadnock Mills, Claremont, N. H. Bedspreads, bedquilts, etc. 231,709; Aug. 23; Serial No. 246,619; published June 7, 1927. Class 42.
Monarch Mfg. Works, Inc., Philadelphia, Pa. Oil-burning equipment. 231,671; Aug. 23; Serial No. 246,700; published May 31, 1927. Class 34.
Morgan Oyster Company, The, San Francisco, Calif., to J. & J. W. Ellsworth Co., New York, N. Y., successor. Fresh canned frozen oysters. 65,378; renewed Sept. 24, 1927.
Mori, Toshikuni, San Francisco, Calif., assignor to Hiroshi Morishita, Osaka, Japan. Medicine to perfume the breath. 65,856; renewed Oct. 29, 1927.
Morishita, Hiroshi. (See Mori, Toshikuni, assignor.)
Morse Andrews Co., Attleboro, Mass. Buckles, key rings, belt chains, etc. 231,778; Aug. 23. Class 28.
Moval Products Co. (See Todd, Verne J.)
Mueller, H., Manufacturing Company, to Mueller Co., Decatur, Ill., successor. Brass and iron pipe fittings. 66,513; renewed Dec. 10, 1927.
Muroff, Solomon J., doing business as The Murosen Hygiene Co., Brooklyn, N. Y. Mouth wash and dental pastes. 231,524; Aug. 23; Serial No. 245,998; published May 31, 1927. Class 6.
Murosen Hygiene Co. (See Muroff, Solomon J.)
NEA Service, Inc., Cleveland, Ohio. Nom de plume for newspaper articles. 231,781; Aug. 23. Class 38.
Naamlooze Vennootschap Export- en Importmaatschappij Alberto Aders & Co., The Hague, Netherlands. Spices and cocoa. 231,615; Aug. 23; Serial No. 244,462; published May 31, 1927. Class 46.
Nashua Packing Sealing Co. Inc., Nashua, N. H. Devices for moistening and/or serving adhesive or gummed tape, labels, etc. 231,597; Aug. 23; Serial No. 247,809; published May 31, 1927. Class 37.
Natal Tanning Extract Company Limited, The, London, England. Strips of tree bark. 231,617; Aug. 23; Serial No. 244,948; published June 14, 1927. Class 6.
National Candy Company, St. Louis, Mo. Candies. 66,336; renewed Nov. 19, 1927.
National Enameling and Stamping Company, Milwaukee, Wis. Ash, garbage, and oil cans, and water pails. 231,501; Aug. 23; Serial No. 245,744; published June 14, 1927. Class 2.
National Grocery Company, Jersey City, N. J. Coffee. 231,613; Aug. 23; Serial No. 244,088; published June 14, 1927. Class 46.
National News Review, Inc. (See Gordon, David.)
National Poultry Institute, Inc., The, Washington, D. C. Publications. 231,483; Aug. 23; Serial No. 246,174; published June 7, 1927. Class 38.
National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 231,646; Aug. 23; Serial No. 247,864; published June 14, 1927. Class 24.
Neebe, Lawrence, Boston, Mass., to Lawrence Neebe, Inc., New York, N. Y., successor. Hosiery. 65,681; renewed Oct. 15, 1927.
Nevius, C. M., Inc., Hornell, N. Y. Coffee-making utensils. 231,657; Aug. 23; Serial No. 247,558; published June 14, 1927. Class 13.
Newman, Julius C., Cleveland, Ohio. Cigars. 66,562; renewed Dec. 10, 1927.
New South Publishing Co., The, Chattanooga, Tenn. Magazine. 231,478; Aug. 23; Serial No. 246,045; published May 31, 1927. Class 38.
Nor-Va Products Company, The. (See Gunn, J. Lindsey.)
Nov-E-Line Manufacturing Co. Inc., The, New York, N. Y. Watchcases. 231,606; Aug. 23; Serial No. 246,308; published June 14, 1927. Class 27.
Nuback Company. (See Walker, Cyrus M.)
Null, A. M., Memphis, Tenn. Preparation in the treatment of poison-oak infections, etc. 231,612; Aug. 23; Serial No. 244,021; published May 31, 1927. Class 6.
Obear-Nester Glass Co., St. Louis, Mo. Prescription bottles made of glass. 231,759; Aug. 23; Serial No. 247,961; published June 14, 1927. Class 33.

O'Conor, Beatrice, Newton Center, Mass. Cigars and cigarettes. 231,758; Aug. 23; Serial No. 248,121; published June 14, 1927. Class 17.
Oil Field Engineering Co. (See Lenzner, Edward G.)
Old Colony Bakery Inc., Buffalo, N. Y. Bread, cakes, and rolls. 231,589; Aug. 23; Serial No. 246,925; published June 7, 1927. Class 46.
1-0-1 Manufacturing Company. (See Connor, Walter J.)
Oriole Inc., The, Wellesley, Mass. Pies. 231,603; Aug. 23; Serial No. 241,896; published June 7, 1927. Class 46.
Osuch, Maryan F., doing business as Phonograph-Radio Improving Co., Chicago, Ill. Phonograph reproducer. 231,725; Aug. 23; Serial No. 247,095; published June 14, 1927. Class 36.
Pacent Electric Company, Inc., New York, N. Y. Electrical apparatus. 231,775; Aug. 23. Class 21.
Pacific Coast Talc Company, Los Angeles, Calif. Talc. 231,544–5; Aug. 23; Serial Nos. 242,248–9; published May 24, 1927. Class 1.
Pacific Coast Talc Company, Los Angeles, Calif. Talc. 231,553; Aug. 23; Serial No. 242,246; published May 24, 1927. Class 1.
Paddock, Sherman A., doing business as Country Club Magazine Pub. Co., Los Angeles, Calif. Magazine. 231,593; Aug. 23; Serial No. 247,205; published June 7, 1927. Class 38.
Painpatch, Incorporated, East Orange, N. J. Medicated plasters. 231,664; Aug. 23; Serial No. 247,631; published May 31, 1927. Class 6.
Painpatch, Incorporated, East Orange, N. J. Medicated pasters for aches, pains, and bruises. 231,676; Aug. 23; Serial No. 246,498; published June 7, 1927. Class 6.
Parke, Davis & Company, Detroit, Mich. Mouth wash having deodorant, astringent, and cleansing properties. 231,764; Aug. 23; Serial No. 247,750; published June 7, 1927. Class 6.
Patterson, M. F., Dental Supply Co., St. Paul, Minn. Surfacing liquid for coating wax dental patterns. 231,782; Aug. 23. Class 44.
Paulus, Robt. Co., & Co., Salem, Oreg. Canned fruits. 231,536; Aug. 23; Serial No. 228,557; published Mar. 29, 1927. Class 46.
Pears, A. & F., Limited, London, England. Perfumed soap. 64,320; renewed July 30, 1927.
Pears, A. & F., Limited, London, England. Perfumed soap. 64,411; renewed Aug. 6, 1927.
Pears, A. & F., Limited, London, England. Perfumed soaps. 64,511; renewed Aug. 13, 1927.
Pelletier, Roch., Eagle Lake, Me. Lung compound for the treatment of consumption, coughs, etc. 231,529; Aug. 23; Serial No. 246,117; published June 14, 1927. Class 6.
Penn-Glenn Oil Works. (See Leechburg Oil and Paint Company.)
Perfection Gear Company, Chicago, Ill. Chains. 231,624; Aug. 23; Serial No. 226,600; published June 14, 1927. Class 13.
Perkins Electric Switch Mfg. Co., The, assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical switches. 64,619; renewed Aug. 13, 1927.
Phonograph-Radio Improving Co. (See Osuch, Maryan F.)
Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils. 231,564; Aug. 23; Serial No. 239,052; published June 7, 1927. Class 15.
Pi Kappa Phi Fraternity, Charleston, S. C. Fraternity pins, badges, buttons, etc. 231,689; Aug. 23; Serial No. 245,860; published June 7, 1927. Class 28.
Pittsburgh Coal Company, Pittsburgh, Pa. Coal excepting smithing coal. 231,488–9; Aug. 23; Serial Nos. 246,430–1; published May 31, 1927. Class 1.
Pittsburgh Coal Company, Pittsburgh, Pa. Coal except smithing coal. 231,556–7; Aug. 23; Serial Nos. 242,309–10; published May 17, 1927. Class 1.
Planters Nut & Chocolate Co., Wilkes-Barre, Pa.; Suffolk, Va.; and San Francisco, Calif. Candy. 231,636; Aug. 23; Serial No. 238,806; published June 14, 1927. Class 46.
Poulson, Charles W., & Sons Carpet Co., Inc., New York, N. Y. Wool carpets and rugs. 231,722; Aug. 23; Serial No. 247,039; published June 7, 1927. Class 42.
Poulson, Charles W., & Sons Carpet Co., Inc., New York, N. Y. Carpets and rugs. 231,763; Aug. 23; Serial No. 247,208; published June 7, 1927. Class 42.
Primrose, Dorothy, Portland, Oreg. Candies. 231,641; Aug. 23; Serial No. 241,179; published June 14, 1927. Class 46.
Providence Public Marget Co., Providence, R. I. Butter, eggs, and fresh milk. 231,534; Aug. 23; Serial No. 218,717; published June 7, 1927. Class 46.
Radio Dealer Publishing Co., Inc., New York, N. Y. Publication. 231,486; Aug. 23; Serial No. 246,225; published May 31, 1927. Class 38.
Ray, Houston, New York, N. Y. Phonographs, talking machines, records, etc. 231,565–6; Aug. 23; Serial Nos. 240,650–1; published May 31, 1927. Class 36.
Reid Ice Cream Corporation, Brooklyn, N. Y. Ice-cream confection. 231,749; Aug. 23; Serial No. 246,227; published May 31, 1927. Class 46.
Remington Arms Company, Inc. (See Union Metallic Cartridge Company, assignor.)
Renz, George H., Newark, N. J. Game. 231,472; Aug. 23; Serial No. 243,170; published May 31, 1927. Class 22.
Richards, G. Whitfield, Philadelphia, Pa. Cutting lubricants. 231,710; Aug. 23; Serial No. 246,632; published June 14, 1927. Class 15.
Rigoulot, Alphonse, New York, N. Y. Hair pomade. 231,577; Aug. 23; Serial No. 246,933; published June 7, 1927. Class 6.
Roanoke Apple Products Co., Roanoke, Va. Vinegar. 231,622; Aug. 23; Serial No. 218,778; published May 10, 1927. Class 46.
Robinson, H. A., Company, Incorporated, Lynchburg, Va. Peanuts (roasted and raw) and peanut butter. 231,631; Aug. 23; Serial No. 235,753; published May 31, 1927. Class 46.
Roche Fruit & Produce Company, Yakima, Wash. Fresh apples. 231,635; Aug. 23; Serial No. 237,821; published June 14, 1927. Class 46.
Roe, F. P., & Bro., to F. P. Roe Company, Greensboro, Md., successor. Canned tomatoes. 64,926; renewed Aug. 27, 1927.
Roe, F. P., & Bro., to F. P. Roe Company, Greensboro, Md., successor. Canned peas. 65,056; renewed Sept. 3, 1927.
Rosen & Steinberg, Brooklyn, N. Y. Watches, watch-cases, and clocks. 231,690; Aug. 23; Serial No. 245,864; published May 31, 1927. Class 27.
Rubber and Celluloid Products Company, Newark, N. J. Shaving brushes. 231,716; Aug. 23; Serial No. 246,848; published May 31, 1927. Class 29.
Rubber and Celluloid Products Company, Newark, N. J. Toothbrushes. 231,717; Aug. 23; Serial No. 246,849; published May 31, 1927. Class 29.
Rudolfo Cigar Co. (See Schwartz, Rudolph.)
Rueckheim Bros. & Eckstein, assignor to The Cracker Jack Co., Chicago, Ill. Chocolates and other candies. 66,395; renewed Nov. 26, 1927.
Rueckheim Bros. and Eckstein, assignor to The Cracker Jack Co., Chicago, Ill. Candied pop corn. 66,414; renewed Nov. 26, 1927.
Rugenal Corporation, St. Louis, Mo. Preparation for the treatment of rheumatism. 231,569; Aug. 23; Serial No. 247,042; published June 7, 1927. Class 6.
Sacra, R. L., doing business as Char-Bu Medicine Co., Marshall, Tex. Medicinal preparation for use as a tonic, aid for stomach troubles, etc. 231,747; Aug. 23; Serial No. 247,709; published May 31, 1927. Class 6.
Samstag & Hilder Bros., Inc., New York, N. Y. Necklaces and bracelets. 231,476; Aug. 23; Serial No. 229,057; published June 7, 1927. Class 28.
Sanderson Brothers & Newbould Limited, Sheffield, England. Certain parts of machinery. 64,021; renewed July 16, 1927.
Sanderson, Wm., & Son, assignor to William Sanderson & Son, Limited, Leith, Scotland. Whisky. 66,087; renewed Nov. 5, 1927.
Schachet, Jacob C., Denver, Colo. Rubber soling materials. 231,623; Aug. 23; Serial No. 219,994; published Jan. 12, 1926. Class 1.
Schein & Engel Co., doing business as Banner Watch Co., New York, N. Y. Watches, watch movements, and parts of the same. 231,753; Aug. 27; Serial No. 247,289; published June 14, 1927. Class 27.
Schein & Engel Co., doing business as Banner Watch Co., New York, N. Y. Watches, watch movements, and parts of the same. 231,774; Aug. 23; Serial No. 247,290; published June 14, 1927. Class 27.
Schorsch & Co., New York, N. Y. Paper bags. 66,239; renewed Nov. 19, 1927.
Schwartz, Rudolph, doing business as Rudolfo Cigar Co. and R. Schwartz Co., San Francisco, Calif. Cigars and cigarettes. 231,685; Aug. 23; Serial No. 245,661; published June 7, 1927. Class 17.
Scognamillo, Rose B., doing business as Mme. Binner, New York, N. Y. Corsets. 62,846; renewed May 28, 1927.
Segal, Meyer, Philadelphia, Pa. Work shirts, pants, and overalls, gloves, hosiery, etc. 231,792; Aug. 23. Class 39.
Seymour Packing Company, The, Topeka, Kans. Prepared poultry food. 231,495; Aug. 23; Serial No. 246,855; published June 7, 1927. Class 46.
Shillman, M. & S., Brooklyn, N. Y. Dolls' blankets, carriage-outfit sets, and pillows. 231,473; Aug. 23; Serial No. 243,392; published May 24, 1927. Class 22.
Shrimpiin, Nellie B., doing business as The Goltrene Company, Chicago, Ill. Medicinal preparation. 231,647; Aug. 23; Serial No. 247,871; published May 31, 1927. Class 6.
Simon Mattress Manufacturing Co., San Francisco, Calif. Bedding. 231,562; Aug. 23; Serial No. 238,622; published May 10, 1927. Class 42.
Simpson, Max, doing business as The Health Cigar Company, New York, N. Y. Cigarettes, cheroots, little cigars, and smoking and chewing tobacco. 231,708; Aug. 23; Serial No. 246,574; published May 31, 1927. Class 17.
Sloan, James A., Kerns, Tex. Preparation for use in the treatment of tuberculosis. 231,752; Aug. 23; Serial No. 246,313; published June 7, 1927. Class 6.
Smiley, Orvall, Indianapolis, Ind. Prophylactic preparations. 231,530; Aug. 23; Serial No. 246,130; published May 24, 1927. Class 6.

Smith, Emma, Gary, Ind. Hair grower. 231,638; Aug. 23; Serial No. 239,725; published June 14, 1927. Class 6.
Smith, Robert, doing business as Bob Smith, Boston, Mass. Golf balls. 231,755; Aug. 23; Serial No. 248,259; published June 7, 1927. Class 22.
Smith's Bakery, Inc., Mobile, Ala. Bread. 231,595; Aug. 23; Serial No. 247,576; published May 31, 1927. Class 46.
Société Belge des Produits Rationnels Société Anonyme Ahin-Les-Huy, Ahin, near Huy, Belgium. Pharmaceutical substances. 231,498; Aug. 23; Serial No. 245,165; published May 31, 1927. Class 6.
Societe du Verre Sili-Chrome. (See Houdaille et Triquet, assignor.)
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 231,484; Aug. 23; Serial No. 246,182; published May 31, 1927. Class 46.
Spain, Abraham J., Minneapolis, Minn. Cold cream, skin compound, etc. 231,750; Aug. 23; Serial No. 246,233; published May 31, 1927. Class 6.
Spare, Alice H., Philadelphia, Pa. Salve for eczema and kindred skin diseases. 231,497; Aug. 23; Serial No. 245,114; published June 7, 1927. Class 6.
Spiro, Louis, to Anna Spiro and Harry M. Spiro, executors under the will of Louis Spiro, successors. Hair Dye. 65,074; renewed Sept. 3, 1927.
Stanley Rule & Level Company, assignor to The Stanley Works, New Britain, Conn. Measuring instruments. 66,675; renewed Dec. 17, 1927.
Stanley Rule & Level Company, assignor to The Stanley Works, New Britain, Conn. Planes. 66,827; renewed Dec 31, 1927.
Stehli Silks Corporation, New York, N. Y. Silk piece goods. 231,736; Aug. 23; Serial No. 248,378; published June 14, 1927. Class 42.
Stephens, Henry C., assignor to Henry C. Stephens Ltd., London, England. Writing inks. 65,706; renewed Oct. 15, 1927.
Sugar Products Co., Not Inc. (See Fischer, Haydn L.)
Super-Products Co., The. (See Hughey, Author M.)
Syracuse Electrotyping Co., The, Syracuse, N. Y. Electrotypes, matrices, etc. 231,517; Aug. 23; Serial No. 244,729; published May 24, 1927. Class 50.
Taufert, Emma S., doing business as Paul Taufert Company, St. Paul, Minn. Insecticides. 231,630; Aug. 23; Serial No. 234,236; published May 31, 1927. Class 6.
Taylor & Co., Inc., Newark, N. J. Watch bracelets, lorgnette chains, necklaces, studs, etc. 231,686; Aug. 23; Serial No. 245,668; published May 31, 1927. Class 28.
Taylor, Judith, Timberlake, N. C. Powder puffs. 231,698; Aug. 23; Serial No. 246,448; published May 24, 1927. Class 29.
Texas Star Flour Mills, Galveston, Tex. Wheat, Graham, and rye flour, corn meal, etc. 231,481; Aug. 23; Serial No. 246,133; published May 31, 1927. Class 46.
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 231,507; Aug. 23; Serial No. 242,926; published May 31, 1927. Class 46.
Thrilling Tales, Inc., New York, N. Y. Monthly publication. 231,494; Aug. 23; Serial No. 246,784; published June 7, 1927. Class 38.
Todd, Verne J., doing business as Moval Products Co., Seattle, Wash. Chemical cleaner. 231,500; Aug. 23; Serial No. 245,669; published May 24, 1927. Class 6.
Travelio Chemical & Supply Company, Westfield, Mass. Cases or kits containing medicine. 231,731; Aug. 23; Serial No. 246,450; published June 7, 1927. Class 6.
Truvy, Inc., New York, N. Y. Face powders, creams, and packs, toilet waters, rouges, etc. 231,627; Aug. 23; Serial No. 229,650; published June 14, 1927. Class 6.
Twitchell-Champlin Company, The, Portland, Me., and Boston, Mass. Canned apples, apricots, blueberries, cherries, grapefruit, etc. 231,629; Aug. 23; Serial No. 231,413; published May 31, 1927. Class 46.
Union Metallic Cartridge Company, The, assignor to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Shotgun, rifle, and pistol cartridges and primers. 65,031; renewed Sept. 3, 1927.
Union Metallic Cartridge Company, The, assignor to Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Shotgun, rifle, and pistol cartridges, caps, and primers. 66,534; renewed Dec. 10, 1927.
Union Portland Cement Co., Denver, Colo. Portland cement. 66,533; renewed Dec. 10, 1927.
United States Gasoline Corp., The, Denver, Colo. Lubricating oils and greases. 231,550; Aug. 23; Serial No. 233,516; published May 31, 1927. Class 15.
Universal Crepe & Tissue Mills, Inc., New York, N. Y. Toilet paper. 231,599; Aug. 23; Serial No. 247,718; published May 31, 1927. Class 37.
Universal Oil Products Co., Chicago, Ill. Apparatus for the treatment of hydrocarbon oil. 231,786; Aug. 23. Class 23.
Utz & Dunn Company, Rochester, N. Y. Boots and shoes. 231,795; Aug. 23; Class 39.
Vacuum Oil Company, New York, N. Y. Oils, greases, and waxes. 231,714; Aug. 23; Serial No. 246,789; published June 14, 1927. Class 15.
Valley Mills. (See Hillside Cotton Mills.)
Valway Mills. (See Hillside Cotton Mills.)
Vanetta Velvet Co., Inc., New York, N. Y. Velvet, velveteen, and corduroy. 231,760; Aug. 23; Serial No. 247,917; published June 14, 1927. Class 42.
Vereinigte Farben- & Lackfabriken, Munich, Germany. Colored and pastel crayons. 231,514; Aug. 23; Serial No. 244,252; published June 7, 1927. Class 37.
Verley, Albert, Inc., Chicago, Ill. Chemicals, aldehydes, alcohols, etc. 231,663; Aug. 23; Serial No. 247,655; published June 7, 1927. Class 6.
Verley, Albert, Inc., Chicago, Ill. Chemicals, aldehydes, alcohols. 231,670; Aug. 23; Serial No. 247,656; published June 7, 1927. Class 6.
Vlavi Company, The. (See Law, Hartland and H. E.)
Villa Moret, Inc., San Francisco, Calif. Sheet music. 231,479; Aug. 23; Serial No. 246,057; published June 7, 1927. Class 38.
Villa Moret, Inc., San Francisco, Calif. Sheet music. 231,485; Aug. 23; Serial No. 246,184; published June 7, 1927. Class 38.
Villeroy & Boch, Mettlach, Germany. Chinaware, stoneware, etc. 231,679; Aug. 23; Serial No. 245,122; published June 14, 1927. Class 30.
Vulcan Match Co., Inc., New York, N. Y. Safety matches. 231,694-5; Aug. 23; Serial Nos. 246,250-1; published June 7, 1927. Class 9.
Vulcan Match Co., Inc., New York, N. Y. Matches. 231,723; Aug. 23; Serial No. 247,049; published June 14, 1927. Class 9.
Walker, Cyrus M., doing business as Nubach Company, Kansas City, Mo. Men's textile fabric union-suit underwear. 231,794; Aug. 23. Class 30.
Walter & Co., Rio de Janeiro, Brazil. Lubricating oils. 231,471; Aug. 23; Serial No. 244,119; published June 7, 1927. Class 15.
Waltham Watch Company, Waltham, Mass. Watches and parts thereof. 231,583; Aug. 23; Serial No. 238,928; published May 31, 1927. Class 27.
Washburn Crosby Company, Minneapolis, Minn. Wheat flour. 231,480; Aug. 23; Serial No. 246,059; published May 31, 1927. Class 46.
Waverly Musical Products Co., Inc., New York and Long Island City, N. Y. Patent heads for guitars, mandolins, banjos, and violins, tailpieces, string pegs, guitar steels, etc., for musical instruments. 231,683; Aug. 23; Serial No. 245,307; published May 31, 1927. Class 36.
Weber, Rose M., Chicago, Ill. Eggs. 231,539; Aug. 23; Serial No. 245,603; published May 31, 1927. Class 46.
West Indies Fruit Importing Company, Chicago, Ill. Grapefruit, limes, oranges, strawberries, watermelons, etc. 231,606; Aug. 23; Serial No. 242,642; published June 14, 1927. Class 46.
Western Chemical Company, St. Joseph, Mo. Liquid insecticide spray. 231,608; Aug. 23; Serial No. 243,902; published May 24, 1927. Class 6.
Western Pine Manufacturers Association, Portland, Oreg. Lumber, woodwork, and lath. 231,509; Aug. 23; Serial No. 243,334; published June 7, 1927. Class 12.
Westlake, Albert, New York, N. Y. Dentifrice. 64,326; renewed July 30, 1927.
Whitcher, Frank W., assignor to Frank W. Whitcher Company, Boston, Mass. Rubber cement. 65,657; renewed Oct. 15, 1927.
White Brothers, Scotts, Mich. Corn, oats, cottonseed, linseed, bran, diary feeds, etc. 231,550; Aug. 23; Serial No. 240,895; published June 7, 1927. Class 46.
Whittier, Herman J., Kansas City, Mo. Preparation for use in treating varicose ulcers. 231,585; Aug. 23; Serial No. 247,110; published June 7, 1927. Class 6.
Wicke, Otto, assignor to Dr. Wicke Medicine Company, Brooklyn, N. Y. Remedy. 66,541; renewed Dec. 10, 1927.
Wilcox-Hayes Co., The, Portland, Oreg. Canned fruits and berries, peanuts, wheat flour, and dried fruits. 231,540; Aug. 23; Serial No. 245,678; published June 7, 1927. Class 46.
Williams, Calvin B., Philadelphia, Pa. Preparation for the treatment of leucorrhea (whites), etc. 231,604; Aug. 23; Serial No. 242,403; published May 24, 1927. Class 6.
Winchester Repeating Arms Company, New Haven, Conn. Ammunition. 231,726; Aug. 23; Serial No. 247,111; published June 7, 1927. Class 9.
Wittnauer, A., Co., New York, N. Y. Watches, parts of watches, and watchcases. 65,501; renewed Oct. 8, 1927.
Wittnauer, A., Co., New York, N. Y., assignor to Fabrique des Longines Francillon & Co. S. A., St. Imier, Switzerland. Watches, parts of watches, and watchcases. 65,109; renewed Sept. 10, 1927.
Wolf-Thomen Incorporated, New York, N. Y. Extract witch-hazel, milk of magnesia U. S. P., cod-liver oil, etc. 231,728; Aug. 23; Serial No. 246,376; published May 31, 1927. Class 6.
Wood, John H., Company, Philadelphia, Pa. Preparation for the relief of hoarseness, colds, coughs, sore throat, and bronchitis. 231,732; Aug. 23; Serial No. 246,456; published May 24, 1927. Class 6.
Woodbridge Fruit Company, Woodbridge, Calif. Fresh deciduous fruits and grapes. 231,633; Aug. 23; Serial No. 237,056; published June 14, 1927. Class 46.

Worthington, George, Company, The, Cleveland, Ohio. Certain edge tools. 64,607; renewed Aug. 13, 1927.
Worthington, George, Company, The, Cleveland, Ohio. Braces, hammers, screw drivers, and picks. 64,608; renewed Aug. 13, 1927.
Worthington, George, Company, The, Cleveland, Ohio. Cutlery and edge tools. 65,728; renewed Oct. 22, 1927.
Worumbo Manufacturing Company, Bath, Me. Woolen piece goods. 66,483; renewed Dec. 3, 1927.
Worumbo Manufacturing Company, Bath, Me. Woolen goods. 231,789; Aug. 23. Class 42.
Wrigley, Wm., Jr. Company, Chicago, Ill. Chewing gum. 231,602; Aug. 23; Serial No. 245,778; published June 14, 1927. Class 46.
Zurn, John A., doing business as J. A. Zurn Manufacturing Company, Erie, Pa. Waste and vent fittings, floor drains, drum traps, etc. 231,654; Aug. 23; Serial No. 248,339; published June 14, 1927. Class 13.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Adams, Albert G., doing business as A. G. Adams Co., Hollywood, Los Angeles, Calif. Adams' Hollywood Hair Tonic for Hair Dressing. For Hair Tonic. 32,605; Aug. 23.
Bailey, Lansing B., Lodi, Calif. Tea Garden. For Fresh Grapes. 32,606; Aug. 23.
Bailey, R. M., El Monte, Calif. Bailey's Original Pure Apple Cider. For Apple Cider. 32,607; Aug. 23.
Barnett & Sibille Company, Sunset, La. Golden Sweets. For Canned Sweet Potatoes. 32,608; Aug. 23.
Buffalo Candy Company, Buffalo, N. Y. GOLLeWOG. For Candy. 32,609; Aug. 23.
Chappel Bros., Inc., Rockford, Ill. Ken-L-Ration The Dog Food Supreme. For Canned Food for Dogs, Cats, and Other Carnivorous Animals. 32,610; Aug. 23.
Cloquet Creamery Co. (See Menasha Printing and Carton Company, assignor.)
Crown Overall Mfg. Co., The, Cincinnati, Ohio. Tuf-Tex. For Trousers. 32,611; Aug. 23.
Crystal Distilled Water Co., Millville, N. J. Crystal. For Bottled Distilled Water. 32,612; Aug. 23.
De Mark, Nicholas, doing business as De Mark Products Company, Pasadena, Calif. Tile Kleen. For a Cleaner. 32,613; Aug. 23.
Erath, Chas. E., New Orleans, La. Erath's. For a Relish. 32,614; Aug. 23.
Faehndrich, William, Inc., New York, N. Y. Imported Famous Roquefort Cheese. For Cheese. 32,615; Aug. 23.
Florin Fruit Grower's Association, Florin, Calif. Florin. For Fresh Grapes. 32,616; Aug. 23.
Georges, William, doing business as La Rex Chemical Company, Seattle, Wash. Lifetone. For Laxative Cleanser Tonic. 32,617; Aug. 23.
Gold Star Pretzel Co., Reading, Pa. Gold Star. For Pretzels. 32,618; Aug. 23.
Grand Rapids Creamery Co. (See Menasha Printing and Carton Company, assignor.)
Guntrath-Lorenzen Company, Chicago, Ill. Mrs. Guntrath's 2 Minute Dessert. For a Ready-Prepared Material for Making Desserts. 32,619; Aug. 23.
Hawes, Ida T., doing business as Natural Crushed Wheat Company, Cincinnati, Ohio. Natural Crushed Wheat. For Natural Crushed Wheat. 32,621; Aug. 23.
Heller, B., & Company, Chicago, Ill. Fog Mist Compressed Air Sprayer. For Hand Sprayers. 32,622; Aug. 23.
Horst, Fred F., doing business as Fred F. Horst Company, Bellingham, Wash. Norco. For Chemically-Prepared Cloth for Cleaning Silverware. 32,623; Aug. 23.
Hughes, E. Griffiths, Inc., Rochester, N. Y. Kruschen Salts. For Kruschen Salts Tablets. 32,620; Aug. 23.
Imperial Produce Company, Los Angeles, Calif. Coachella Valley Oasis. For Fresh Tomatoes. 32,624; Aug. 23.
Imperial Produce Company, Los Angeles, Calif. Indio. For Fresh Tomatoes. 32,625; Aug. 23.
Iowa Bake Rite Company, Oskaloosa, Ottumwa, Mason City, Newton, and Marshalltown, Iowa. Bake-Rite Master Loaf. For Bread. 32,626; Aug. 23.
Knerr, Frank O., Dairy Co. Inc., The. (See Menasha Printing and Carton Company, assignor.)
Kuhn, David F., Philadelphia, Pa. Kuhn's Salted Nuts. For Nuts. 32,627; Aug. 23.
La Rex Chemical Company. (See Georges, William.)
Manischewitz, B., Company, The, Cincinnati, Ohio. Manna Matzos. For Crackers. 32,628; Aug. 23.
McKee, W. C., doing business as No. 9 Chemical Company, Columbia, Ga. Rat Killer No. 9 is the Envelope Kind. For Rat Poison. 32,629; Aug. 23.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Frank O. Knerr Dairy Co. Inc., Fargo, N. Dak. O—K. For Butter. 32,630; Aug. 23.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Cloquet Creamery Co., Cloquet, Minn. O. K. Brand. For Butter. 32,631; Aug. 23.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Grand Rapids Creamery Co., Grand Rapids, Mich. Superior Brand. For Butter. 32,632; Aug. 23.
Miller, Max, Joliet, Ill. Max Miller's Special Bohemian Type Malt Syrup. For Malt Sirup. 32,633; Aug. 23.
Milwaukee Malt Syrup Company, Milwaukee, Wis. Logger. For Malt Sirup. 32,634; Aug. 23.
(National Products Company) Societa Prodotti Nazionali, Inc., Los Angeles, Calif. Liberty Bell. For Malt Sirup. 32,635; Aug. 23.
Natural Crushed Wheat Company. (See Hawes, Ida T.)
Newman, J. H., Chicago, Ill. Last of Korn. For a Remedy for Corns and Calli. 32,636; Aug. 23.
No. 9 Chemical Company. (See McKee, W. C.)
North American Mercantile Company, San Francisco, Calif. North Glow. For Canned Crab Meat. 32,637; Aug. 23.
Northern Paper Mills, Green Bay, Wis. Northern Bear. For Toilet Paper. 32,638; Aug. 23.
Paso Food Product Company, Gloucester and Rockport, Mass. Tasty Taters. For Potato Chips. 32,639; Aug. 23.
Piranio, J. T., Dallas, Tex. J. T. Roach Powder. For Roach Powder. 32,640; Aug. 23.
Reedley Fruit Growers Association, Reedley, Calif. Tick Tock. For Fresh Grapes. 32,641; Aug. 23.
Rolling, Frank A., Co. Inc., The, Philadelphia, Pa. Spirit of St. Louis. For Coffee. 32,642; Aug. 23.
Sadur, Hyman, Chicago, Ill. Red Devil Roach Powder. For Insect Powder. 32,643; Aug. 23.
Salada Tea Company, Boston, Mass. Salada Orange Pekoe & Pekoe. For Tea. 32,644; Aug. 23.
Strauss, Levi, & Company, San Francisco, Calif. This is a Pair of Levi's. For Overalls. 32,645; Aug. 23.
Tillman & Bendel, Inc., San Francisco, Calif. Del Monte Coffee. For Coffee. 32,646; Aug. 23.
Toptite Products Company, Savannah, Ga. Toptite. For Waterproof Coating for Motor-Car Tops. 32,647; Aug. 23.
Valley Drug Company, Inc., The, Johnstown, Pa. Grandmother Blasser's All-Healing and Drawing Salve. For a Salve. 32,648; Aug. 23.
Valley Drug Company, Inc., The, Johnstown, Pa. 4877 Cough. For a Preparation for Relief of Coughs. 32,649; Aug. 23.
Victoria Paper Mills Company, The, Fulton, N. Y. Victoria Silk Tissue. For Toilet Paper. 32,650; Aug. 23.
Victoria Paper Mills Company, The, Fulton, N. Y. Tree Silk. For Toilet Paper. 32,651; Aug. 23.
Volpe Bros., Laredo, Tex. Azteca. For Coffee, Cereal, and Chicory. 32,652; Aug. 23.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bernard, Irven E., Los Angeles, Calif. Servall 100% Pure Paraffine Base Oil. For Servall 100% Pure Paraffine Base Oils. 10,118; Aug. 23.
California Avocado Growers Exchange, Los Angeles, Calif. Calavo, The Aristocrat of Salad Fruits. For Salad Fruit. 10,119; Aug. 23.
Diffin, Harry D., Avalon, Santa Catalina Island, Calif. Diffin's Kat-A-Lina Red-Hot, a Pedigreed Sandwich. For a Frankfurter Sandwich. 10,120; Aug. 23.
Grennan Bakeries, Inc., Chicago, Ill. Grennan Cook-Book Cookies. For Grennan Cookbook Cookies. 10,121; Aug. 23.
McKee, W. C., doing business as The No. 9 Chemical Company, Columbus, Ga. Rat Killer No. 9 is the Envelope Kind. For Rat Poison. 10,122; Aug. 23.
Montrey, W. F., St. Louis, Mo. How You Do Relish Our Xllent Ice Cream. For Ice Cream. 10,123; Aug. 23.
No. 9 Chemical Company, The. (See McKee, W. C.)
Noonan, J. J., Trafalgar, Ind. J. J. Noonan's Rose & Single Combe Rhode Island Reds Poultry. For Poultry. 10,124; Aug. 23.
Pfaffmann Egg Noodle Company, The, Cleveland, Ohio. Sea Shell Macaroni. For a Food Product. 10,125; Aug. 23.
Postum Co., Inc., New York, N. Y. Swans Down Cake Flour Makes Wonderful Cake a Certainty. For Cake Flour. 10,126; Aug. 23.
Postum Co., Inc., New York, N. Y. Swans Down Cake Flour is 27 Times as Fine as Bread Flour. For Cake Flour. 10,127; Aug. 23.

Reo Motor Car Company, Lansing, Mich. Flying Cloud. For Motor Vehicles. 10,128; Aug. 23.
Rogers, Wm. A., Ltd., Niagara Falls, N. Y. Wm. A. Rogers Sectional Silver Plate. For Silver-Plated Ware. 10,129; Aug. 23.
Rogers, Wm. A., Ltd., Niagara Falls, N. Y. Heirloom Plate. For Silver-Plated Ware. 10,130; Aug. 23.
Sealright Co. Inc., Fulton, N. Y. The 'Sealon' Hood Cap. Patented Oct. 12, 1926, Design Patent Pending, Copyright 1927 by Sealright Co., Inc. For Sealright Sealon Hood Caps. 10,131; Aug. 23.
West Coast Knitting Mills, Los Angeles, Calif. Hollywood Seamless Crotch Swimming Suits. For Swimming Suits. 10,132; Aug. 23.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S. Fisker & Nielsen, Copenhagen, Denmark. Electrically-operated vacuum cleaners and parts thereof, motors, and dynamos. 246,273; Aug. 23. Class 21.
Acheson Harden Co., The, New York, N. Y. Handkerchiefs. 251,312; Aug. 23. Class 42.
Acme Brick Company, Fort Worth, Tex. Hollow building tile. 250,780; Aug. 23. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,886; Aug. 23. Class 12.
Acme Brick Company, Fort Worth, Tex. Brick. 250,889; Aug. 23. Class 12.
Adams, Ralph B., Monticello, Me. Insecticides. 235,720; Aug. 23. Class 6.
Adams Silk Company, Inc., New York, N. Y. Yarns. 252,139; Aug. 23. Class 43.
Alier Products Co., Clinton, Ind. Spaghetti sauce. 251,808; Aug. 23. Class 46.
Aloe, A. S., Co., St. Louis, Mo. Therapeutic arc lamps. 251,044; Aug. 23. Class 44.
American Chemical Paint Company, Ambler, Pa. Liquid chemical for improving the operation of internal-combustion engines. 250,428; Aug. 23. Class 6.
American Cystoscope Makers, Inc., Long Island City, N. Y. Diagnostic, examining, and operating specula and instruments. 251,108; Aug. 23. Class 44.
American Heating Company. (See Rosenlund, Arthur O.)
American Textiles, Inc., Bay City, Mich. Underwear and hosiery. 250,955; Aug. 23. Class 39.
Artcraft Organ Co., Santa Monica, Calif. Pipe organs, reed organs, and parts thereof. 238,101; Aug. 23. Class 36.
Ashton & Parsons Ltd., London, England. Bird food. 249,320; Aug. 23. Class 46.
Asphalt Products Company, Chicago, Ill. Mineral rubber and asphaltic insulating compounds. 250,291; Aug. 23. Class 21.
Aufdemkampe Hardware Co., The, Cincinnati, Ohio. Paint and varnishes. 251,292–3; Aug. 23. Class 16.
Auld, Hampton, Newark, N. J. Preparation for mixing with printing ink. 250,218; Aug. 23. Class 11.
Automatic Ticket Register Corporation, New York, N. Y. Ticket printing, registering, and issuing machines. 252,026; Aug. 23. Class 26.
Automotive Specialties Company, Cleveland, Ohio. Rumble seats. 231,717; Aug. 23. Class 19.
B & F N-During Cement Co., Binghamton, N. Y. Building cement. 249,575; Aug. 23. Class 12.
Baginski, Leo M., doing business as L. M. Baginski, Berlin-Pankow, Germany. Medical and orthopedical apparatus. 235,018; Aug. 23. Class 44.
Baird, Berton G., Newark, N. J. Indurated fiber. 247,591; Aug. 23. Class 1.
Bamberger, L., & Company, Newark, N. J. Textile rugs and textile floor coverings. 246,381; Aug. 23. Class 42.
Banks, Richard E., doing business as Naturlyte Co., Jefferson Valley, N. Y. Chemical compound. 250,111; Aug. 23. Class 6.
Baumert, F. X., & Co., Inc., New York, N. Y. Cheese. 248,668; Aug. 23. Class 46.
Baumgardner, H. L., Corporation, Chicago, Ill. Waterproofing and dampproofing compound. 245,322; Aug. 23. Class 12.
Beacon Oil Company, Boston, Mass. Gasoline. 237,221; Aug. 23. Class 15.
Beacon Oil Company, Boston, Mass. Fuel oil. 237,222; Aug. 23. Class 15.
Beaver, Herman L., Philadelphia, Pa. Metal polishing and burnishing material. 248,546; Aug. 23. Class 4.
Benjamin, E. V., Company, Inc., doing business as Maginnis Cotton Mills, New Orleans, La. Men's, boys', and children's garments. 236,526; Aug. 23. Class 39.
Bennington Wax Paper Company, Bennington, Vt. Wax paper, wax lunch rolls, shredded paper, etc. 251,164; Aug. 23. Class 37.
Birsh, Abraham S., doing business as A. S. Birsh Co., New York, N. Y. Suits, overcoats, and topcoats. 249,497; Aug. 23. Class 39.
Blackstone Knitting Mills, Inc., Chicago, Ill. Sweaters and knitted neckwear. 248,799; Aug. 23. Class 39.
Blechman, S., & Sons, Inc., New York, N. Y. Children's caps, Windsor ties for children, corsets, children's shoes, etc. 247,248; Aug. 23. Class 39.
Blum Store, The, Philadelphia, Pa. Women's and misses' suits, coats, dresses, etc. 248,548; Aug. 23. Class 39.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,115; Aug. 23. Class 42.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 251,117; Aug. 23. Class 42.
Boston Varnish Company, Everett, Mass. Enamel paint. 249,490; Aug. 23. Class 16.
Boyle, C. A., & Co., Chicago, Ill. Water-repellant mildew-resistant silk fabric. 250,433; Aug. 23. Class 50.
Bradner Smith & Co., Chicago, Ill. Writing paper, envelopes, and bristol board. 250,221; Aug. 23. Class 37.
Bridgeport Chain Company, The, Bridgeport, Conn. Window chains, etc. 249,112; Aug. 23. Class 13.
Bright Metals Corporation, New York, N. Y. Polishing and tarnish-preventing compounds for metal surfaces. 250,594; Aug. 23. Class 4.
Bristol Company, The, Waterbury, Conn. Metallic fasteners for belts. 248,550; Aug. 23. Class 13.
Brooks, William H., doing business as Greenline Bakeries, Inc., San Francisco, Calif. Bread, cake, wheat flour, etc. 248,810; Aug. 23. Class 46.
Brown & Bigelow, St. Paul, Minn. Greeting cards. 232,448; Aug. 23. Class 38.
Brown & Bigelow, St. Paul, Minn. Mailing cards. 232,449; Aug. 23. Class 38.
Brown & Williamson Tobacco Corporation, Winston-Salem, N. C. Smoking and chewing tobacco and cigarettes. 250,369; Aug. 23. Class 17.
Buckley, Newhall Company, The, New York, N. Y. Gas, vapor, and oil lamps, etc. 241,087–8; Aug. 23. Class 34.
Burnett, Joseph, Company, Boston, Mass. Flavoring extracts and ground spices. 248,841; Aug. 23. Class 46.
California Avocado Growers Exchange, Los Angeles, Calif. Fresh fruit. 247,358; Aug. 23. Class 46.
Campana Corporation, Batavia, Ill. Skin-softening preparation. 248,876–7; Aug. 23. Class 6.
Carter Dry Goods Co., Louisville, Ky. Cotton sheeting. 252,087; Aug. 23. Class 42.
Chemical Products Division of Rose Manufacturing Company. (See Rosenbluth, Edwin M.)
Chicago Candy and Cone Co. (See Elieff, Manoli P.)
Chicago Pharmacal Company, The, Chicago, Ill. Remedies for diseases of the skin. 250,164. Aug. 23. Class 6.
Citrus Chemical Corporation, Elkton, Md. Laxative confections. 251,608; Aug. 23. Class 6.
Clover Drug Co. (See Noonan, Harry.)
Cohn, Leon, doing business as Parfumerie Forest, Paris, France. Toilet soaps. 252,032; Aug. 23. Class 4.
Cohn, Morris, doing business as Crystal Chemical Company, Newark, N. J. Soap. 250,116; Aug. 23. Class 4.
Congoleum-Nairn Inc., Philadelphia, Pa. Prepared floor coverings. 248,351; Aug. 23. Class 20.
Conway, James, doing business as The Lemspred Co., Long Island City, N. Y. Lemon spread. 251,220; Aug. 23. Class 46.
Corn Fix Co., Inc., Newark, N. J. Remedy for colds, la grippe, etc. 251,174; Aug. 23. Class 6.
Crescent Specialty Company, Inc., Brooklyn, N. Y. Sanitary napkins. 250,014; Aug. 23. Class 44.
Crest Company, The, Chicago, Ill. Electrical lamps, torcheres, and candelabra. 241,655; Aug. 23. Class 21.
Cronk, Abram S., Waterbury, Conn. Cigars. 251,175; Aug. 23. Class 17.
Crystal Chemical Company. (See Cohn, Morris.)
Dalntyfoot Hosiery Co., Philadelphia, Pa. Hosiery. 250,983; Aug. 23. Class 39.
Davol Rubber Company, Providence, R. I. Nipple shields and nipples for nursing bottles. 244,002; Aug. 23. Class 44.
De Bernardi, D. F., & Co., San Francisco, Calif. Corn meal. 240,173; Aug. 23. Class 46.
Deedera, Carleton, Winter Haven, Fla. Pickling solution, oxide removing resisting plating compound. 248,286; Aug. 23. Class 6.
Deere, John, Tractor Company, Waterloo, Iowa. Tractors. 251,720; Aug. 23. Class 23.
Doehler Die-Casting Co., Brooklyn, N. Y. Die-casting metal and die castings. 251,260–2; Aug. 23. Class 14.
Duff, James W., doing business as Van Dyke Laboratories, Newark, N. J. Radio vacuum tubes. 250,118; Aug. 23. Class 21.
Eagle & Phenix Mills, Columbus, Ga. Cotton checks. 251,127; Aug. 23. Class 42.
Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer enamels, glazes, etc. 251,723; Aug. 23. Class 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Elieff, Manoli P., doing business as Chicago Candy and Cone Co., Chicago, Ill. Candy. 249,163; Aug. 23. Class 46.
Elkon Works, Inc., Weehawken, N. J. Metal alloys, compound metals, etc. 250,685; Aug. 23. Class 14.
Engravographia, New York, N. Y. Pamphlets, booklets, etc. 245,700; Aug. 23. Class 38.
Experimenter Publishing Co., New York, N. Y. Magazine. 249,712; Aug. 23. Class 38.
Farley & Loetscher Mfg. Co., Dubuque, Iowa. Doors. 250,687; Aug. 23. Class 12.
Ferrier, Bianchini, Lyon, France. Silk piece goods. 251,816; Aug. 23. Class 42.
Ferrier, Bianchini, Lyon, France. Piece goods of silk, artificial silk, wool, and hairs. 251,817; Aug. 23. Class 42.
Firestone Tire & Rubber Company, The, Akron, Ohio. Tires and inner tubes therefor. 252,096; Aug. 23.
Flock Brewing Co., Williamsport, Pa. Ginger ale. 251,270; Aug. 23. Class 45.
Forerunner Printing & Publishing Co., Inc., Woodhaven, N. Y. Periodical. 251,535; Aug. 23. Class 38.
Fox, Sam, Pub. Co., Cleveland, Ohio. Musical compositions. 245,481; Aug. 23. Class 38.
Fruitex Corporation, Benton Harbor, Mich. Concentrated fruit foods for the preparation of jellies. 249,789; Aug. 23. Class 46.
Gebrüder Stollwerck A. G., Vienna, Austria. Biscuits, crushed oats, etc. 236,742; Aug. 23. Class 46.
Gedney, M. A., Company, Minneapolis, Minn. Pickles. 235,546; Aug. 23. Class 46.
Geigy Company, Inc., New York, N. Y. Chemical preparations suitable for the washing of wool. 249,474; Aug. 23. Class 4.
General Clay Company, Los Angeles, Calif. Filtering and bleaching clay. 250,794; Aug. 23. Class 1.
Gielow, J. J., & Sons, assignor to J. J. Gielow & Sons, Highland Park, Mich. Horse-radish, pickles, sweet peppers, etc. 244,689; Aug. 23. Class 46.
Glassgow, Charles F., doing business as Charles F. Glassgow Co., Davenport, Iowa. Publication. 245,980; Aug. 23. Class 38.
Goodrich, B. F., Company, The, New York, N. Y. Sheet material consisting chiefly of cellular rubber. 250,990; Aug. 23. Class 12.
Gordon Canning Corporation, Hoquiam, Wash. Canned fruits, berries, and vegetables. 251,828; Aug. 23. Class 46.
Graf, John, Co., Milwaukee, Wis. Ginger ale and beverages sold as soft drinks. 251,335; Aug. 23. Class 45.
Graves & Meade & Baker Company, New York, N. Y. Tooth powder. 243,089; Aug. 23. Class 6.
Graybar Electric Company, Inc., New York, N. Y. Ammeters, current meters, voltammeters, and voltmeters. 251,783; Aug. 23. Class 26.
Graybar Electric Company, Inc., New York, N. Y. Electric ironing machines. 251,741; Aug. 23. Class 24.
Greco Canning Company, Inc., San José, Calif. Canned fruits. 235,207; Aug. 23. Class 48.
Greenhill and Sons, Ltd., London, England. Cigar cases, cigarette cases, etc. 251,901; Aug. 23. Class 8.
Greenline Bakeries, Inc. (See Brooks, William H.)
Griggs, Cooper & Co., St. Paul, Minn. Canned fruits, vegetables, etc. 239,853; Aug. 23. Class 46.
Guhue, Karl J., St. Louis, Mo. Stationery. 251,054; Aug. 23. Class 37.
Happ Brothers Company, Macon, Ga. Overalls, pants, etc. 250,993; Aug. 23. Class 39.
Harnischfeger Corporation, Milwaukee, Wis. Publication. 251,441; Aug. 23. Class 38.
Harris Raincoat Company, New York, N. Y. Waterproofed clothing. 247,858; Aug. 23. Class 39.
Hawaiian Pineapple Company, Ltd., Iwilei, Hawaii, and San Francisco, Calif. Canned pineapple. 251,835; Aug. 23. Class 46.
Heine & Co., New York, N. Y. Perfumes and natural synthetic oils. 251,036; Aug. 23. Class 6.
Heinn Company, The, Milwaukee, Wis. Loose-leaf-book binders. 251,017–18; Aug. 23. Class 37.
High Point Overall Company, High Point, N. C. Overalls, coats, work shirts, etc. 249,174; Aug. 23. Class 39.
Hoffecker, D. M., Boston, Mass. Cleansing soap. 250,240; Aug. 23. Class 4.
Hole, Edward S., London, England. Printing blocks, intaglios, and material. 246,285; Aug. 23. Class 50.
Hollenbach, Chas., Chicago, Ill. Meat roll. 250,452–3; Aug. 23. Class 46.
Hookless Fastener Company, Meadville, Pa. Separable fasteners. 251,275; Aug. 23. Class 13.
Houbigant, Inc., New York, N. Y. Toilet soap and soap cream. 250,994; Aug. 23. Class 4.
Howey, Walter C., et al. (See Music Trades Company, The, assignor.)
Illinois Farm Supply Company, Chicago, Ill. Petroleum products and oils. 250,455; Aug. 23. Class 15.
Illinois Nut Products Company, Chicago, Ill. Candy-coated nut meats. 250,803; Aug. 23. Class 46.
Independent Baking Co., Davenport, Iowa. Cookies and shortbread. 251,841; Aug. 23. Class 46.
International Millinery Co., Inc., New York, N. Y. Ladies' and misses' hats. 250,695; Aug. 23. Class 39.
Jaffee, L. J. & C. D., Inc., New York, N. Y. Young men's, boys', and children's suits. 248,775; Aug. 23. Class 39.
Janecka, Joe, Dallas, Tex. Razor strops. 251,845; Aug. 23. Class 4.
Jaquet, Josephine, Jersey City, N. J. Astringents, bleach creams, etc. 251,058; Aug. 23. Class 6.
Jijona Candy Co., Newark, N. J. Candy. 250,025; Aug. 23. Class 46.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Enamel ware. 248,501; Aug. 23. Class 13.
Keystone Varnish Company, Brooklyn, N. Y. Varnishes and enamel paints. 245,791; Aug. 23. Class 16.
King Koffee Kompany, Indianapolis, Ind. Coffee. 244,774; Aug. 23. Class 46.
Kitson Machine Shop, Lowell, Mass. Textile machinery and parts thereof. 251,398; Aug. 23. Class 23.
Koh-I-Noor Bleistiftfabrik, L. & C. Hardtmuth, Budweis, Czechoslovakia. Label dampeners, paper weights, drawing pins, etc. 234,847; Aug. 23. Class 37.
Kronberg, Herman H., doing business as Standard Drug and Sales Company, Philadelphia, Pa. Vegetable laxative tablets. 251,563; Aug. 23. Class 6.
Kunkel & Haverstick, Baltimore, Md. Cakes. 250,555; Aug. 23. Class 46.
Kunkel & Haverstick, Baltimore, Md. Cakes. 252,102; Aug. 23. Class 46.
Lassere, Edward, Inc., New York, N. Y. Preparation for the treatment of articular rheumatism, etc. 250,626; Aug. 23. Class 6.
Laundry Service Corporation, Dallas, Tex. Laundry blue, soda, starch, and bleach. 237,671; Aug. 23. Class 5.
Leahy Electric Corp., New York, N. Y. Friction tape and splicing compound. 246,557; Aug. 23. Class 21.
Lee, Geo. H., Co., Omaha, Nebr. Medicinal preparation. 249,854; Aug. 23. Class 6.
Leedy Manufacturing Company, Indianapolis, Ind. Xylophones. 251,301; Aug. 23. Class 36.
Lemspred Co., The. (See Conway, James.)
Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Men's and young men's suits, overcoats, topcoats, and knickers. 246,297; Aug. 23. Class 39.
Levy, Forman & Co., Inc., New York, N. Y. Headwear. 236,089; Aug. 23. Class 39.
Lily Dress Company, New York N. Y. Children's dresses. 251,231; Aug. 23. Class 39.
Lindsay, R. H., Toronto, Ontario, Canada. Beverage. 251,000; Aug. 23. Class 45.
Literary Guild of America, Inc., The, New York, N. Y. Books. 246,352; Aug. 23. Class 38.
Maginnis Cotton Mills. (See Benjamin, E. V., Company, Inc.)
Magnetico, Inc., New York, N. Y. Magnetic belts. 244,782; Aug. 23. Class 44.
Manitowoc Products Company, Manitowoc, Wis. Ice cream, cheese, etc. 206,177; Aug. 23. Class 46.
Manufacturers Record Publishing Company, Baltimore, Md. Publication. 251,351; Aug. 23. Class 38.
Marrow, I. L., & Co. Inc., New York, N. Y. Textile underwear, pyjamas, nightshirts, and nightgowns. 250,250; Aug. 23. Class 39.
Marshak Maltmolak Co., Inc., Brooklyn, N. Y. Malted milk. 251,625; Aug. 23. Class 46.
McElwain-Holmes Co., Hudson, Mass. Leather shoes. 250,180; Aug. 23. Class 39.
Midland Chemical Laboratories, Inc., The, Dubuque, Iowa. Preparation of soap and other ingredients for use especially in dry cleaning. 249,741; Aug. 23. Class 4.
Midland Chemical Laboratories, Inc., The, Dubuque, Iowa. Cleaning preparation of pine oil, potash, and other ingredients. 249,742; Aug. 23. Class 4.
Minnesota Tribune Company, Minneapolis, Minn. Newspaper. 251,509; Aug. 23. Class 38.
Mo-Grow Chemical Co., Flora, Miss. Ointment, skin balm, hairdressing, etc. 248,783; Aug. 23. Class 6.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Radio receiving sets and radio parts and accessories. 234,047; Aug. 23. Class 21.
Morgan Company, The, Peoria, Ill. Flat wall paint. 251,781; Aug. 23. Class 16.
Morgan, Grace, Atlantic City, N. J. Preparation for promoting the growth of the hair. 250,854; Aug. 23. Class 6.
Morrell, John, & Co., Ottumwa, Iowa. Lard, hams, bacon, and shoulders. 246,411; Aug. 23. Class 46.
Morse, C. C., & Company, San Francisco, Calif. Birdseed and bird food. 251,680; Aug. 23. Class 46.
Mountain City Mill Co., Inc., Chattanooga, Tenn. Stock feed. 231,058; Aug. 23. Class 46.
Munsey, Frank A., Company, The, New York, N. Y. Magazine. 246,110; Aug. 23. Class 38.
Music Trades Company, The, New York, N. Y., assignor to Walter C. Howey and Verne H. Porter. Publication. 245,858; Aug. 23. Class 38.
Music Trades Company, The, New York, N. Y., assignor to Walter C. Howey and Verne H. Porter. Annual directories of the music industries. 250,089; Aug. 23. Class 38.
Myrurgia, S. A., Barcelona, Spain. Soap. 251,006; Aug. 23. Class 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

National Jewelers Supplies. (See Starck, John R.)
Nutional Silk Company, Inc., The, South Coventry, Conn. Silk, rayon, cotton, woolen, and linen threads. 252,057; Aug. 23. Class 43.
Naturlyte Co. (See Banks, Richard E.)
Newell & Schneider Company, Pittsburgh, Pa. Boots and shoes. 250,630; Aug. 23. Class 39.
Noonan, Harry, doing business as Clover Drug Co., Long Island City, N. Y. Medicated confections. 250,034; Aug. 23. Class 6.
O'Hara Waltham Company, Waltham, Mass. Enameled window letters and numerals. 247,141; Aug. 23. Class 50.
Oklahoma City Mill & Elevator Co., Oklahoma City, Okla. Wheat flour. 252,058; Aug. 23. Class 46.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 252,166; Aug. 23. Class 42.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 247,632; Aug. 23. Class 4.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 250,934; Aug. 23. Class 4.
Paraffine Companies, Inc., The, San Francisco, Calif. Floor coverings for industrial use. 252,272; Aug. 23. Class 20.
Parfumerie Forest. (See Cohn, Leon.)
Parfümerie Scherk. (See Scherk, Ludwig.)
Pax Manufacturing Company, New York, N. Y. Insecticide. 248,247; Aug. 23. Class 6.
People's Outfitting Company, Detroit, Mich. Radio receiving sets and parts thereof. 250,137; Aug. 23. Class 21.
Phoenix Remedy Co. (See Scheiter, Henry E.)
Pitts Manufacturing Co., Wilmington, Calif. Medicine for nausea, indigestion, and vomiting in pregnancy. 249,537; Aug. 23. Class 6.
Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrous fruits. 251,987; Aug. 23. Class 46.
Porter, Verne H., et al. (See Music Trades Company, The, assignor.)
Potter Products Corporation, New York, N. Y. Pocket friction lighters for pipes, cigars, and cigarettes. 251,362; Aug. 23. Class 34.
Prescott, J. L., Company, New York, N. Y. Stove enamel polish. 249,922–3; Aug. 23. Class 4.
Puritan Pie Company, Denver, Colo. Pies. 250,860; Aug. 23. Class 46.
Pyramidenfliegenfängerfabrik Max Dametz Zeitz mit beschränkter Haftung, Zeitz, Germany. Flycatchers. 248,723; Aug. 23. Class 50.
Quaker Gray Products Company. (See Rodgers, Raymond H.)
Quincy Stove Manufacturing Company, The, Quincy, Ill. Coal heaters and stoves. 244,886; Aug. 23. Class 34.
Radio Constructors Corporation. (See Sargent, E. M., Co., assignor.)
Rainbow Light, Inc., New York, N. Y. Illuminating tubes. 246,121; Aug. 23. Class 21.
Ray-Brown Company, Inc., Woodburn, Oreg. Canned fruits, berries, and vegetables. 251,856; Aug. 23. Class 46.
Ray-Brown Company, Inc., Woodburn, Oreg. Canned fruits, berries, and vegetables. 251,858; Aug. 23. Class 46.
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 250,264; Aug. 23. Class 39.
Red Star Milling Company, The, Wichita, Kans. Wheat flour. 233,230; Aug. 23. Class 46.
Reeve, Ayles & Company, Ltd., Watford, England. Leather coats, gloves, gaiters, etc. 234,530; Aug. 23. Class 39.
Reichardt Cocoa & Chocolate Co., Inc., New York, N. Y. Cocoa, chocolate, and cocoa and chocolate. 230,438; Aug. 23. Class 46.
Ringside Publications, New York, N. Y. Periodical. 250,760; Aug. 23. Class 38.
Rodgers, Raymond H., doing business as Quaker Gray Products Company, Philadelphia, Pa. Liquid powder and complexion bleach, healing cream, etc. 251,687; Aug. 23. Class 6.
Rogers Peet Company, New York, N. Y. Suits in two and three piece garments, and separate items, etc. 246,228; Aug. 23. Class 39.
Rosenbluth, Edwin M., doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Ground dressings and fertilizers. 250,644; Aug. 23. Class 10.
Rosenbluth, Edwin M., doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Horticultural stimulants and fertilizers. 250,645; Aug. 23. Class 10.
Rosenlund, Arthur O., doing business as American Heating Company, Philadelphia, Pa. Heating systems and boilers for heating systems. 250,940; Aug. 23. Class 34.
Rubber Service Laboratories Company, The, Akron, Ohio. Compound used as a vulcanization accelerator in the curing of rubber articles. 250,141–2; Aug. 23. Class 6.
Rubber Service Laboratories Company, The, Akron, Ohio. Solution of chemical nature. 250,144; Aug. 23. Class 6.
Rubber Service Laboratories Company, The, Akron, Ohio. Ore concentration and flotation agent in the nature of a chemical compound. 250,145; Aug. 23. Class 6.
Rubber-Weld Sales Company, Cambridge, Mass. Rubber cement. 247,289; Aug. 23. Class 5.
Sacramento River Association, Courtland, Calif. Fresh deciduous fruits. 252,018; Aug. 23. Class 46.
Sargent, E. M., Co., assignor to Radio Constructors Corporation, Oakland Calif. Radio receiving sets and parts for radio receiving apparatus. 233,149; Aug. 23. Class 21.
Sarnoff-Irving Hat Stores, Inc., New York, N. Y. Men's and young men's hats. 250,717; Aug. 23. Class 39.
Scheiter, Henry E., doing business as Phoenix Remedy Co., Mount Olive, Ill. Compound for treating affections of the teeth and throat. 250,325; Aug. 23. Class 6.
Scherk, Ludwig, doing business as Parfümerie Scherk, Berlin, Germany. Perfumery, cosmetics. 250,718; Aug. 23. Class 6.
Schleicher, Inc., Chicago, Ill. Electrical radiators for heating air. 249,810–11; Aug. 23. Class 21.
Schnereger & Downing Corporation, Hanford, Calif. Beverages and fruit sirups and juices for making the same. 250,569; Aug. 23. Class 45.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Glues, cement, and glue cement. 248,730; Aug. 23. Class 5.
Schreiber Milling & Grain Co., St. Joseph, Mo. Stock feed. 251,085; Aug. 23. Class 46.
Schwab, R. J., & Sons Company, Milwaukee, Wis. Warm-air furnaces. 235,619; Aug. 23. Class 34.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Pencils, chalks, etc. 239,147; Aug. 23. Class 37.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Pencils, chalk, etc. 239,148; Aug. 23. Class 37.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Black lead pencils, copying pencils, penholders, rulers, etc. 239,149; Aug. 23. Class 37.
Scovill Manufacturing Company, Waterbury, Conn. Ball cocks, flush valves, tank fittings. 247,219; Aug. 23. Class 13.
Seaboard Refractories Company, Valentine, N. J. Refractory bricks. 250,648; Aug. 23. Class 12.
Seaman Paper Company, Chicago, Ill. Coated printing paper. 228,490; Aug. 23. Class 37.
Sears, Roebuck and Co., Chicago, Ill. Bloomers. 250,826; Aug. 23. Class 39.
Secret Service Publishing Company. (See Steinberg, Harry.)
Sierra Vista Packing Association, Riverside, Calif. Fresh citrous fruits. 251,993; Aug. 23. Class 46.
Sierra Vista Packing Association, Riverside, Calif. Fresh citrous fruits. 251,995; Aug. 23. Class 46.
Smith Brothers, Inc., Poughkeepsie, N. Y. Cough sirup. 251,249; Aug. 23. Class 6.
Smith, Chris, & Sons Boat Co., Algonac, Mich. Marine runabouts, boats, and launches. 250,824–5; Aug. 23. Class 19.
Smith, D. B., & Company, Inc., Utica, N. Y. Hose nozzles and spray nozzles. 251,634; Aug. 23. Class 13.
Smith, McClelland Corporation, New York, N. Y. Underwear, hosiery, and sweaters. 231,759; Aug. 23. Class 39.
Società Esercizio Farmacie e Specialità Medicinali di E. Granelli & C., Turin, Italy. Ointment. 248,783; Aug. 23. Class 6.
Société Anonyme des Etablissements Léon Hatot, The, Paris, France. Clocks. 249,445; Aug. 23. Class 27.
Sorrels, A. B., Hartshorne, Okla. Furniture and automobile polish. 250,476; Aug. 23. Class 16.
South Haven Preserving Co., South Haven, Mich. Canned fruits and vegetables. 228,204–5; Aug. 23. Class 46.
Spangler, George W., Akron, Ohio. Gasoline. 248,331; Aug. 23. Class 15.
Speltz Grain & Coal Co., Albert Lea, Minn. Coal. 250,865; Aug. 23. Class 1.
Sperry Flour Company, San Francisco, Calif. Egg mash, baby-chick scratch feed, egg mash with buttermilk, etc. 250,423; Aug. 23. Class 46.
Standard Drug and Sales Company. (See Kronberg, Herman R.)
Standard Oil Company (New Jersey), Bayonne, N. J. Temperature-insulating material. 249,384; Aug. 23. Class 12.
Starck, John R., doing business as National Jewelers Supplies, New York, N. Y. Liquid diamond cleaner. 247,713; Aug. 23. Class 4.
Stein, S., & Co., New York, N. Y. Woolen goods. 239,068; Aug. 23. Class 42.
Stein, S., & Co., New York, N. Y. Men's woolen overcoatings. 240,931; Aug. 23. Class 42.
Steinberg, Harry, doing business as Secret Service Publishing Company, New York, N. Y. Periodicals. 250,722; Aug. 23. Class 38.
Steinberg, Harry, doing business as Secret Service Publishing Company, New York, N. Y. Periodicals. 250,762; Aug. 23. Class 38.
Stoyanoff, Gerli and Co., New York, N. Y. Cosmetics and toilet preparations. 244,799; Aug. 23. Class 6.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Stratford Chocolate Company, Inc., Baltimore, Md. Chocolate and cocoa powder. 249,026; Aug. 23. Class 46.
Students' Publishing Company, Oakland, Calif. Separator sheets for loose-leaf folders. 232,399; Aug. 23. Class 37.
Success Barber Supply, The, Moravia, Iowa. Strop filler. 251,463; Aug. 23. Class 4.
Sunbeam Motor Car Co., Ltd., The, Wolverhampton, England. Motor cars. 245,233; Aug. 23. Class 19.
Sussman & Drucker Knitting Mills, Inc., New York, N. Y. Neckties, mufflers, and belts. 250,211; Aug. 23. Class 39.
Synthetic Nitrogen Products Corporation, New York, N. Y. Fertilizers. 251,873; Aug. 23. Class 10.
Taylor, Charles E., El Dorado, Ark. Prepared flour. 245,234; Aug. 23. Class 46.
Texas Hosiery Mills, Dallas, Tex. Hosiery. 250,003; Aug. 23. Class 39.
Tregaskis, James, & Son, London, England. Books. 244,580; Aug. 23. Class 38.
Trippe, Barker & Co., New York, N. Y. Cotton piece goods. 251,876; Aug. 23. Class 42.
Turell, A. M., Fabrics Corporation, New York, N. Y. Silk fabrics. 251,089; Aug. 23. Class 42.
Tuttle & Bailey Manufacturing Company, New York and Brooklyn, N. Y. Heating and ventilating apparatus. 251,156; Aug. 23. Class 34.
Twin City Wholesale Grocer Co., St. Paul, Minn. Overalls for men and women. 246,369; Aug. 23. Class 39.
Twinkles Specialty Company, St. Louis, Mo. Children's hats and caps. 241,764; Aug. 23. Class 39.
Ullmann, Bernhard, Co. Inc., New York, N. Y. Fabric or material stamped for art needlework. 245,614; Aug. 23. Class 40.
Union Oil Company of California, Los Angeles, Calif. Oil, gasoline, kerosene, etc. 249,139; Aug. 23. Class 15.
Universal Portland Cement Co., Chicago, Ill. Blank books. 250,873; Aug. 23. Class 37.
Val Blatz Brewing Company, Milwaukee, Wis. Malt sirup. 249,027; Aug. 23. Class 48.
Valley Industries, Incorporated, San Antonio, Tex. Beverage. 250,107; Aug. 23. Class 45.
Van Dyke Laboratories. (See Duff, James W.)
Vereinigte Chemische Werke Aktiengesellschaft, Charlottenburg, near Berlin, Germany. Eyewater. 247,454; Aug. 23. Class 6.
Vitamin Food Co., Inc., New York, N. Y. Candy. 251,468; Aug. 23. Class 46.
Waterfall, Gertrude, Chicago, Ill. Boxed sweetmeats. 244,640; Aug. 23. Class 46.
Webb, J. A., Belting Company, Inc., Buffalo, N. Y. Leather-belt filler. 251,525; Aug. 23. Class 4.
Weiser & Sons, Chicago, Ill. Pianos. 250,726; Aug. 23. Class 36.
Werner & Mertz Aktiengesellschaft, Mainz, Germany. Polishing wax for floors. 251,595; Aug. 23. Class 16.
White Grain Company, Duluth, Minn. Feeds. 251,526; Aug. 23. Class 46.
Wilcox-Hayes Co., The, Portland, Oreg. Canned and dried fruits, canned vegetables, berries, etc. 251,699; Aug. 23. Class 46.
Williams, Charles W., Co., Inc., New York, N. Y. Decorative box papers. 250,659–60; Aug. 23. Class 37.
Williams, Charles W., Co. Inc., New York, N. Y. Decorative box papers. 251,254; Aug. 23. Class 37.
Williams, Charles W., Co. Inc., New York, N. Y. Decorative box papers. 251,597; Aug. 23. Class 37.
Wiltons, House of, New York, N. Y. Floor coverings. 249,904; Aug. 23. Class 42.
Wood, W. B., Mfg. Co., St. Louis, Mo. Flavoring compound. 237,349; Aug. 23. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Medicinal preparation. 239,871; Aug. 23. Class 6.
Young & Mink, Inc., Springfield, Mass. Necklaces and rosaries. 232,370; Aug. 23. Class 28.
Younker Brothers Inc., Des Moines, Iowa. Wash frocks for children. 245,178; Aug. 23. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Consumers Company. 231,538; Aug. 23; Serial No. 245,534; published June 7, 1927.
Coal except smithing coal. Pittsburgh Coal Company. 231,556–7; Aug. 23; Serial Nos. 242,309–10; published May 17, 1927.
Coal excepting smithing coal. Pittsburgh Coal Company. 231,488–9; Aug. 23; Serial No. 246,430–1; published May 31, 1927.
Furs and skins. Becker Bros. & Co. 66,037; renewed Nov. 5, 1927.
Leather. Alpena Leather Corporation. 231,537; Aug. 23; Serial No. 245,240; published June 7, 1927.
Leather. Griess Pfleger Tanning Company. 231,544; Aug. 23; Serial No. 230,538; published June 7, 1927.
Logs. W. L. Kann. 231,541; Aug. 23; Serial No. 245,721; published June 7, 1927.
Mass-molding composition with pyroxylin base. Du Pont Viscoloid Company. 231,487; Aug. 23; Serial No. 246,396; published May 31, 1927.
Rubber soling materials. J. C. Schachet. 231,623; Aug. 23; Serial No. 219,994; published Jan. 12, 1926.
Talc. Pacific Coast Talc Company. 231,553; Aug. 23; Serial No. 242,246; published May 24, 1927.
Talc. Pacific Coast Talc Company. 231,554–5; Aug. 23; Serial Nos. 242,248–9; published May 24, 1927.

CLASS 2.

Bags, Paper. Schorsch & Co. 66,239; renewed Nov. 19, 1927.
Cans and water pails, Ash, garbage, and oil. National Enameling and Stamping Company. 231,501; Aug. 23; Serial No. 245,744; published June 14, 1927.
Vaults, Coated steel interment. King Bros. Boiler Works. 231,733; Aug. 23; Serial No. 246,485; published June 14, 1927.

CLASS 4.

Soap. N. K. Fairbank Company, The. 59,758; renewed Jan. 15, 1927.
Soap. Max Huncke Chemical Company. 65,889; renewed Oct. 29, 1927.
Soap, Perfumed. A. & F. Pears, Limited. 64,320; renewed July 30, 1927.
Soap, Perfumed. A. & F. Pears, Limited. 64,411; renewed Aug. 6, 1927.
Soaps, Perfumed. A. & F. Pears, Limited. 64,511; renewed Aug. 13, 1927.

CLASS 5.

Cement, Rubber. F. W. Whitcher. 65,657; renewed Oct. 15, 1927.

CLASS 6.

Acid, Oxyacetylaminophenylarsinic. Les Etablissements Poulenc Frères. 231,661–2; Aug. 23; Serial Nos. 248,776–7; published June 14, 1927.
Adhesive composition. B and M Manufacturing Company. 231,641; Aug. 23; Serial No. 241,383; published May 24, 1927.
Chemical cleaner. V. J. Todd. 231,500; Aug. 23; Serial No. 245,669; published May 24, 1927.
Chemicals. Albright & Wilson Limited. 65,861; renewed Oct. 29, 1927.
Chemicals, aldehydes, alcohols, etc. Albert Verley, Inc. 231,663; Aug. 23; Serial No. 247,655; published June 7, 1927.
Chemicals, aldehydes, alcohols, etc. Albert Verley, Inc. 231,670; Aug. 23; Serial No. 247,656; published June 7, 1927.
Compound for the treatment of consumption, coughs, colds, etc., Lung. B. Pelletier. 231,529; Aug. 23; Serial No. 246,117; published June 14, 1927.
Cream, skin compound, etc., Cold. A. J. Spain. 231,750; Aug. 23; Serial No. 246,233; published May 31, 1927.
Creams and powders, toilet water, perfumes, and skin lotions, Face. C. W. Hopple. 231,581; Aug. 23; Serial No. 247,318; published June 7, 1927.
Creams, reducing creams, rouges, etc., Face. M. S. Loewenthal. 231,611; Aug. 23; Serial No. 243,957; published June 7, 1927.
Dentifrice. A. Westlake. 64,326; renewed July 30, 1927.
Dentifrices and mouth washes. Wm. S. Merrell Company. 231,672; Aug. 23; Serial No. 246,559; published May 31, 1927.
Disinfectant, Plant. Bayer Company. 231,579; Aug. 23; Serial No. 247,307; published June 7, 1927.
Dye, Hair. L. Spiro. 65,074; renewed Sept. 3, 1927.
Dyestuffs and chemical products for dyeing and printing, Artificial. Durand & Huguenin S. A. 231,675; Aug. 23; Serial No. 246,533; published May 24, 1927.
Flotation reagents. American Cyanamid Company. 231,583; Aug. 23; Serial No. 247,058; published May 31, 1927.
Flotation reagents for use in the concentration of minerals. American Cyanamid Company. 231,570; Aug. 23; Serial No. 247,057; published May 31, 1927.
Hair grower. E. Smith. 231,638; Aug. 23; Serial No. 239,725; published June 14, 1927.
Insecticide spray, Liquid. Western Chemical Company. 231,608; Aug. 23; Serial No. 243,902; published May 24, 1927.
Insecticides. Beaver Products Company of Virginia Inc. 231,669; Aug. 23; Serial No. 247,662; published May 31, 1927.

Insecticides. Dill Co. 231,746; Aug. 23; Serial No. 247,729; published May 24, 1927.
Insecticides. E. S. Taufert. 231,630; Aug. 23; Serial No. 234,236; published May 31, 1927.
Laxative preparation. Mint-O-Lax, Inc. 231,665; Aug. 23; Serial No. 247,626; published June 7, 1927.
Laxatives. H. L. Fischer. 231,575; Aug. 23; Serial No. 246,824; published May 31, 1927.
Liniment. J. F. Bingham. 231,525; Aug. 23; Serial No. 246,066; published May 31, 1927.
Lotions, Skin. Creme Jasmin Company. 231,628; Aug. 23; Serial No. 231,310; published June 14, 1927.
Magnesia, Emulsion of. Eppenbach, Inc. 231,644; Aug. 23; Serial No. 247,790; published May 31, 1927.
Medicated chewing gum. Magnesia Products Inc. 231,523; Aug. 23; Serial No. 245,995; published May 24, 1927.
Medicated plasters for aches, pains, and bruises. Painpatch, Incorporated. 231,676; Aug. 23; Serial No. 246,498; published June 7, 1927.
Medicinal powders. W. G. Jefferson. 231,748; Aug. 23; Serial No. 246,200; published June 7, 1927.
Medicinal preparation. J. Cseh. 231,660; Aug. 23; Serial No. 248,677; published June 14, 1927.
Medicinal preparation. N. B. Shrimplin. 231,647; Aug. 23; Serial No. 247,871; published May 31, 1927.
Medicinal preparation for use as a tonic, aid for stomach troubles, etc. R. L. Sacra. 231,747; Aug. 23; Serial No. 247,709; published May 31, 1927.
Medicine, Cases or kits containing. Travello Chemical & Supply Company. 231,731; Aug. 23; Serial No. 246,450; published June 7, 1927.
Medicine for asthma and hay fever. Bundt Laboratories. 231,666; Aug. 23; Serial No. 247,596; published June 7, 1927.
Medicine for deafness. D. F. Kalogerakos. 231,499; Aug. 23; Serial No. 245,561; published June 7, 1927.
Medicine for use in the treatment of piles. Duz-It Company. 231,668; Aug. 23; Serial No. 247,678; published May 31, 1927.
Medicine to perfume the breath. T. Mori. 65,856; renewed Oct. 29, 1927.
Medicines. V. Belanger. 231,637; Aug. 23; Serial No. 239,288; published June 7, 1927.
Medicines. F. A. Epstein. 65,223–4; renewed Sept. 10, 1927.
Medicines. K. D. C. Company. 231,588; Aug. 23; Serial No. 247,273; published June 7, 1927.
Mouth wash and dental pastes. S. J. Muroff. 231,524; Aug. 23; Serial No. 245,998; published May 31, 1927.
Mouth wash having deodorant, astringent, and cleansing properties. Parke, Davis & Company. 231,704; Aug. 23; Serial No. 247,750; published June 7, 1927.
Nonclogging radiator liquid. P. E. Helmer. 231,504; Aug. 23; Serial No. 245,908; published May 24, 1927.
Oil and a preparation for treating dandruff, falling hair, etc., Pressing. L. K. Jackson. 231,705; Aug. 23; Serial No. 247,436; published May 31, 1927.
Oil, Cod-liver. Peter Möller A/S. 231,602; Aug. 23; Serial No. 242,347; published May 24, 1927.
Ointment. H. Knapik. 231,699; Aug. 23; Serial No. 247,546; published May 24, 1927.
Perfume. Associated Merchandising Corporation. 231,704; Aug. 23; Serial No. 247,456; published May 24, 1927.
Perfume. Richard Hudnut. 231,567; Aug. 23; Serial No. 242,337; published Mar. 1, 1927.
Perfume, toilet water shampoo, face powder, rouge, etc. Enterprise Chemical Co. 231,650; Aug. 23; Serial No. 247,938; published June 7, 1927.
Perfumes. Lionel Trading Co. Inc. 231,620; Aug. 23; Serial No. 173,513; published May 24, 1927.
Perfumes. A. Martory. 231,652; Aug. 23; Serial No. 248,109; published June 7, 1927.
Perfumes. A. Martory. 231,653; Aug. 23; Serial No. 248,112; published June 7, 1927.
Perfumes, body lotions, face powders, bath salts, etc. Erté, Inc. 231,700; Aug. 23; Serial No. 247,529; published June 7, 1927.
Perfumes, body lotions, face powders, bath salts, etc. J. S. Lindemann. 231,667; Aug. 23; Serial No. 247,550; published June 7, 1927.
Perfumes, rouge, lip sticks, etc. Marshall Field & Company. 231,621; Aug. 23; Serial No. 245,966; published June 7, 1927.
Perfumes, rouge, lip sticks, etc. Marshall Field & Company. 231,622; Aug. 23; Serial No. 245,971; published June 7, 1927.
Pharmaceutical substances. Société Belge des Produits Rationnels Société Anonyme Ahin-lez-Huy. 231,498; Aug. 23; Serial No. 245,165; published May 31, 1927.
Plasters, Medicated. Painpatch, Incorporated. 231,664; Aug. 23; Serial No. 247,031; published May 31, 1927.
Pomade, Hair. A. Rigoulot. 231,577; Aug. 23; Serial No. 246,933; published June 7, 1927.
Powder, Dental. F. M. Lindersmith. 231,610; Aug. 23; Serial No. 243,956; published May 31, 1927.
Powders and rouges, lip rouges, perfumes, etc., Face. H. D. Koenig. 231,634; Aug. 23; Serial No. 237,374; published Jan. 4, 1927.
Powders, creams and packs, rouges, hair oils, etc., Face. Garry & Company. 231,706; Aug. 23; Serial No. 247,368; published June 7, 1927.
Powders, creams, packs, toilet waters, rouges, etc., Face. Truvy, Inc. 231,627; Aug. 23; Serial No. 229,650; published June 14, 1927.
Powders, creams, packs, toilet waters, rouges, lip sticks, etc., Face. Marquisette, Inc. 231,751; Aug. 23; Serial No. 246,299; published May 24, 1927.
Powders, Product formed of a combination of. Maison A. Gazzoni & Companie. 231,609; Aug. 23; Serial No. 243,937; published May 24, 1927.
Preparation for piles. Dolan and Hancock. 231,649; Aug. 23; Serial No. 247,936; published June 7, 1927.
Preparation for preserving wine and beer. A. Bonke. Roberts & Co. Ltd. 66,447; renewed Nov. 26, 1927.
Preparation for removing dandruff, hair tonic, hairdressing, etc. Davex Corporation. 231,527–8; Aug. 23; Serial Nos. 246,083–4; published May 24, 1927.
Preparation for the relief of hoarseness, colds, coughs, sore throat, and bronchitis. John H. Wood Company. 231,732; Aug. 23; Serial No. 246,456; published May 24, 1927.
Preparation for the treatment of colds, etc. W. E. Bess. 231,616; Aug. 23; Serial No. 244,848; published May 24, 1927.
Preparation for the treatment of coughs, colds, etc. Agrippa Company. 231,659; Aug. 23; Serial No. 248,609; published June 14, 1927.
Preparation for the treatment of leucorrhea, etc. C. B. Williams. 231,604; Aug. 23; Serial No. 242,403; published May 24, 1927.
Preparation for the treatment of rheumatism. Rugenal Corporation. 231,569; Aug. 23; Serial No. 247,042; published June 7, 1927.
Preparation for treatment of poison-oak infections, etc. A. M. Null. 231,612; Aug. 23; Serial No. 244,021; published May 31, 1927.
Preparation for use in the treatment of tuberculosis. J. A. Sloan. 231,752; Aug. 23; Serial No. 246,313; published June 7, 1927.
Preparation for use in treating varicose ulcers. H. J. Whittier. 231,585; Aug. 23; Serial No. 247,110; published June 7, 1927.
Preparation made from fresh camomile. Chemische-Pharmazeutische A. G. Bad Homburg. 231,643; Aug. 23; Serial No. 241,807; published June 14, 1927.
Prophylactic preparations. O. Smiley. 231,530; Aug. 23; Serial No. 246,130; published May 24, 1927.
Remedies for female use. Bradfield Regulator Co. 66,892–5; renewed Jan. 7, 1928.
Remedy. O. Wicke. 66,541; renewed Dec. 10, 1927.
Rouge, lipstick, and face powder. Richard Hudnut. 231,619; Aug. 23; Serial No. 248,905; published June 21, 1927.
Saïol compound, santal oil, compound of copaiba, cubeb, and santal. Laboratoire de Pharmacologie, Inc. 231,745; Aug. 23; Serial No. 247,742; published June 7, 1927.
Salve for eczema and kindred skin diseases. A. H. Spare. 231,497; Aug. 23; Serial No. 245,114; published June 7, 1927.
Tablet of hexamethylenamine. Eli Lilly and Company. 231,586; Aug. 23; Serial No. 247,135; published June 7, 1927.
Tonic. Hartland Law, Herbert E. Law. 66,749; renewed Dec. 24, 1927.
Tonic and expectorant. J. H. E. Eberhardt. 231,701; Aug. 23; Serial No. 247,527; published May 24, 1927.
Tonic, hair powder, astringent remedies, face powder, tissue cream, etc., Hair. Bliss Laboratories, Inc. 231,626; Aug. 23; Serial No. 229,491; published May 31, 1927.
Tooth paste and talcum powder. French Beauty Products Co. 231,729; Aug. 23; Serial No. 246,398; published May 24, 1927.
Tree bark. Natal Tanning Extract Company Limited. 231,617; Aug. 23; Serial No. 244,948; published June 14, 1927.
Witch-hazel, milk of magnesia U. S. P., cod-liver oil, etc., Extract. Wolf-Thomen Incorporated. 231,728; Aug. 23; Serial No. 246,376; published May 31, 1927.

CLASS 7.

Rope and twine, Manila and sisal. Merchant Products Corporation. 231,771; Aug. 23; Serial No. 247,484; published June 7, 1927.

CLASS 9.

Ammunition. Winchester Repeating Arms Company. 231,726; Aug. 23; Serial No. 247,111; published June 7, 1927.
Cartridges and primers, Shotgun, rifle, and pistol. Union Metallic Cartridge Company. 65,031; renewed Sept. 3, 1927.
Cartridges, caps, and primers, shotgun, rifle, and pistol. Union Metallic Cartridge Company. 66,534; renewed Dec. 10, 1927.
Matches. Vulcan Match Co. 231,723; Aug. 23; Serial No. 247,049; published June 14, 1927.
Matches, Safety. Vulcan Match Co. 231,694–5; Aug. 23; Serial Nos. 246,250–1; published June 7, 1927.

CLASS 10.

Fertilizers and fertilizing materials. B. Diaz & Co. 66,419; renewed Nov. 26, 1927.

Plant food and fertilizers. Grasselli Chemical Company. 231,655; Aug. 23; Serial No. 248,408; published June 14, 1927.
Stimulants, Grass. Bayer Company. 231,578; Aug. 23; Serial No. 246,949; published June 14, 1927.

CLASS 11.

Inks, Writing. H. C. Stephens. 65,706; renewed Oct. 15, 1927.

CLASS 12.

Cement. Aktieselskabet Aalborg Portland-Cement Fabrik. 231,519; Aug. 23; Serial No. 245,132; published June 7, 1927.
Cement, Ash Grove Lime & Portland Cement Co. 231,618; Aug. 23; Serial No. 244,971; published May 24, 1927.
Cement, Portland. Michigan Alkali Company. 231,535; Aug. 23; Serial No. 221,427; published Mar. 8, 1927.
Cement, Portland. Union Portland Cement Co. 66,533; renewed Dec. 10, 1027.
Gypsum. Atlas Gypsum Corporation. 231,515; Aug. 23; Serial No. 244,270; published May 17, 1927.
Lumber, woodwork, and lath. Western Pine Manufacturers Association. 231,509; Aug. 23; Serial No. 243,334; published June 7, 1927.
Refractory materials. Exolon Company. 231,508; Aug. 23; Serial No. 243,257; published May 24, 1927.
Roofing material. Continental Roofing & Manufacturing Co. 231,510; Aug. 23; Serial No. 244,047; published May 24, 1927.
Roofing material. Continental Roofing & Manufacturing Co. 231,511–12; Aug. 23; Serial Nos. 244,052–3; published May 24, 1927.
Roofing material, Asphalt. Continental Roofing & Manufacturing Co. 231,513; Aug. 23; Serial No. 244,054; published May 24, 1927.
Tile, Floor. A/S. Sapo. 231,552; Aug. 23; Serial No. 242,220; published June 7, 1927.

CLASS 13.

Brass and iron pipe fittings. H. Mueller Manufacturing Company. 66,513; renewed Dec. 10, 1927.
Chains. Perfection Gear Company. 231,624; Aug. 23; Serial No. 226,600; published June 14, 1927.
Cocks, bibs, soldering nipples, etc., Basin and bath. Aird-Don Company. 231,580; Aug. 23; Serial No. 246,324; published June 14, 1927.
Fittings, floor drains, bath traps, etc., Waste and vent. J. A. Zurn. 231,654; Aug. 23; Serial No. 248,339; published June 14, 1927.
Nails. Keystone Steel & Wire Company. 231,658; Aug. 23; Serial No. 248,575; published June 14, 1927.
Rivets. Crescent Belt Fastener Company. 231,571–3; Aug. 23; Serial Nos. 246,952–4; published June 14, 1927.
Tank bulbs, union washers, force cups, sink gaskets, etc. Leader Specialty Co. 231,587; Aug. 23; Serial No. 247,191; published June 14, 1927.
Utensils, Coffee-making. C. M. Nerius Inc. 231,657; Aug. 23; Serial No. 247,558; published June 14, 1927.

CLASS 15.

Gasoline. A. M. Hughey. 231,697; Aug. 23; Serial No. 246,410; published June 14, 1927.
Kerosene, gasoline, oils, and greases. Cities Service Oil Company. 231,505; Aug. 23; Serial No. 244,493; published June 14, 1927.
Lubricants, Cutting. G. W. Richards. 231,710; Aug. 23; Serial No. 246,632; published June 14, 1927.
Oil, Lubricating. Armould Oil Company. 231,684; Aug. 23; Serial No. 245,319; published May 31, 1927.
Oil, Motor. Great Western Oil Company. 231,715; Aug. 23; Serial No. 246,833; published June 7, 1927.
Oils and greases, Lubricating. W. H. Barber Company. 231,568; Aug. 23; Serial No. 242,465; published June 7, 1927.
Oils and greases, Lubricating. W. J. Connor. 231,474; Aug. 23; Serial No. 244,138; published June 7, 1927.
Oils and greases, Lubricating. J. G. Dintilhac. 231,469; Aug. 23; Serial No. 242,883; published May 31, 1927.
Oils and greases, Lubricating. United States Gasoline Corp. 231,559; Aug. 23; Serial No. 238,516; published May 31, 1927.
Oils, greases, and waxes. Vacuum Oil Company. 231,714; Aug. 23; Serial No. 246,789; published June 14, 1927.
Oils, Lubricating. Pierce Petroleum Corporation. 231,564; Aug. 23; Serial No. 239,052; published June 7, 1927.
Oils, Lubricating. Walter & Co. 231,471; Aug. 23; Serial No. 244,119; published June 7, 1927.
Oils, Motor fuel. Ethyl Gasoline Corporation. 231,773; Aug. 23; Serial No. 247,366; published June 14, 1927.

CLASS 16.

Grease, Axle. Leechburg Oil and Paint Company. 63,960; renewed July 16, 1927.
Lacquers and paint enamels. H-O Lacquer Mfg. Co. 231,640; Aug. 23; Serial No. 240,855; published Apr. 5, 1927.
Wall finish or calcimine, Decorative. M. Ewing Fox & Co. 64,699; renewed Aug. 20, 1927.

CLASS 17.

Cigarettes, cheroots, little cigars, and smoking and chewing tobacco. M. Simpson. 231,708; Aug. 23; Serial No. 246,574; published May 31, 1927.
Cigars. A. Miller. 231,739; Aug. 23; Serial No. 248,420; published June 14, 1927.
Cigars. J. C. Newman. 66,562; renewed Dec. 10, 1927.
Cigars and cigarettes. B. O'Conor. 231,758; Aug. 23; Serial No. 248,121; published June 14, 1927.
Cigars and cigarettes. R. Schwartz. 231,685; Aug. 23; Serial No. 245,661; published June 7, 1927.

CLASS 19.

Chariots, gocarts, strollers, etc. Best & Co. 231,605; Aug. 23; Serial No. 242,470; published June 14, 1927.
Trailers, gravity dumps, dump bodies, axles, springs, etc. Gash-Stull Company. 231,576; Aug. 23; Serial No. 246,829; published June 14, 1927.
Trucks, Motor. International Motor Company. 231,645; Aug. 23; Serial No. 247,861; published June 14, 1927.
Trucks, Pressed-steel. American Pulley Company. 231,791; Aug. 23.

CLASS 20.

Linoleum and felt-base floor coverings. Armstrong Cork Company. 231,720; Aug. 23; Serial No. 246,995; published June 7, 1927.
Oiled-cloth type, Prepared floor coverings of the. Congoleum-Nairn Inc. 231,735; Aug. 23; Serial No. 248,852; published June 7, 1927.
Oiled-cloth type, Prepared floor coverings of the. Congoleum-Nairn Inc. 231,754; Aug. 23; Serial No. 248,850; published June 7, 1927.

CLASS 21.

Batteries. Austin Accessories Manufacturing Co. 231,798; Aug. 23.
Coils for radio receiving circuits, as well as parts thereof. Aero Products, Inc. 231,784; Aug. 23.
Condensers, resistance couplers, coils, and dials. Consolidated Research Laboratories, Inc. 231,796; Aug. 23.
Electric scraper-loading machinery for use in mines and for similar purposes. Goodman Manufacturing Company. 231,785; Aug. 23.
Electrical apparatus. Pacent Electric Company. 231,775; Aug. 23.
Electrical switches. Perkins Electric Switch Mfg. Co. 64,619; renewed Aug. 13, 1927.
Thermionic detector, amplifier, and oscillator tubes. E. T. Cunningham, Inc. 231,803; Aug. 23.

CLASS 22.

Baits, Artificial. Creek Chub Bait Co. 231,475; Aug. 23; Serial No. 244,291; published May 24, 1927.
Dolls. J. de M. Brumback. 231,772; Aug. 23; Serial No. 247,460; published June 7, 1927.
Dolls' blankets, carriage-outfit sets, and pillows. M. & S. Shillman. 231,473; Aug. 23; Serial No. 248,392; published May 24, 1927.
Game. G. H. Rens. 231,472; Aug. 23; Serial No. 243,170; published May 31, 1927.
Game apparatus. Bee Jay Products Co. 231,601; Aug. 23; Serial No. 230,513; published June 7, 1927.
Golf balls. R. Smith. 231,755; Aug. 23; Serial No. 248,259; published June 7, 1927.
Recording the number of hits made during the course of a game of golf, Device for. F. H. Borm. 231,766; Aug. 23; Serial No. 247,773; published June 7, 1927.

CLASS 23.

Apparatus for the treatment of hydrocarbon oil. Universal Oil Products Co. 231,786; Aug. 23.
Braces, hammers, screw drivers, and picks. George Worthington Company. 64,608; renewed Aug. 13, 1927.
Cutlery and edge tools. George Worthington Company. 65,723; renewed Oct. 22, 1927.
Implement handles. American Fork & Hoe Company. 231,790; Aug. 23.
Implements for depositing metallic leaf. W. H. Coe Manufacturing Co. 65,951; renewed Oct. 29, 1927.
Machinery, Certain parts of. Sanderson Brothers & Newbould Limited. 64,021; renewed July 16, 1927.
Planes. Stanley Rule & Level Company. 66,827; renewed Dec. 31, 1927.
Tools, Edge. George Worthington Company. 64,607; renewed Aug. 13, 1927.
Wheel, Hand-operated gliding. W. H. Coe Manufacturing Co. 66,733–5; renewed Dec. 24, 1927.

CLASS 24.

Washboards. National Washboard Company. 231,646; Aug. 23; Serial No. 247,864; published June 14, 1927.

CLASS 26.

Measuring instruments. Stanley Rule & Level Company. 66,675; renewed Dec. 17, 1927.

CLASS 27.

Clocks. William L. Gilbert Clock Company. 231,561; Aug. 23; Serial No. 236,743; published June 7, 1927.
Clocks and watches. Chicago Mail Order Company. 231,718; Aug. 23; Serial No. 246,888; published June 7, 1927.
Watchcases. L & L Watch Case Company. 231,470; Aug. 23; Serial No. 243,095; published May 31, 1927.
Watchcases, Nov-E-Line Manufacturing Co. Inc. 231,696; Aug. 23; Serial No. 246,308; published June 14, 1927.
Watches. S. Bruner Inc. 231,506; Aug. 23; Serial No. 244,601; published June 7, 1927.

Watches and parts thereof. Waltham Watch Company. 231,563; Aug. 23; Serial No. 238,928; published May 31, 1927.
Watches, parts of watches, and watchcases. A. Wittnauer Co. 65,109; renewed Sept. 10, 1927.
Watches, parts of watches, and watchcases. A. Wittnauer Co. 65,501; renewed Oct. 8, 1927.
Watches, watchcases, and clocks. Rosen & Steinberg. 231,690; Aug. 23; Serial No. 245,864; published May 31, 1927.
Watches, watch movements, and parts of the same. Schein & Engel Co. 231,753; Aug. 23; Serial No. 247,289; published June 14, 1927.
Watches, watch movements, and parts of the same. Schein & Engel Co. 231,774; Aug. 23; Serial No. 247,290; published June 14, 1927.
Watches, watch movements, and parts of watches. Federal Mail Order Corporation. 231,770; Aug. 23; Serial No. 247,731; published June 14, 1927.
Watches, watch movements, watchcases, and parts thereof. J. Feinstein. 231,740–1; Aug. 23; Serial Nos. 248,629–30; published June 14, 1927.

CLASS 28.

Bracelets, lorgnette chains, studs, scarf pins, etc., Watch. Taylor & Co. 231,686; Aug. 23; Serial No. 245,068; published May 31, 1927.
Buckles, key rings, belt chains, etc. Morse Andrews Co. 231,778; Aug. 23.
Cigarette cases, cigar lighters, and match cases. Marathon Co. 231,692; Aug. 23; Serial No. 246,103; published May 31, 1927.
Jewelry. Hess & Wiener, Incorporated. 231,682; Aug. 23; Serial No. 245,210; published May 31, 1927.
Necklaces and bracelets. Samstag & Hilder Bros., Inc. 231,476; Aug. 23; Serial No. 229,057; published June 7, 1927.
Pearls, necklaces, brooches, etc. Cohn & Rosenberger, Inc. 231,560; Aug. 23; Serial No. 234,253; published June 7, 1927.
Pins, badges, button, etc., Fraternity. Pi Kappa Phi Fraternity. 231,689; Aug. 23; Serial No. 245,860; published June 7, 1927.
Rings, Finger. M. Klein. 231,777; Aug. 23.
Rosaries. G. Klein & Son. 231,721; Aug. 23; Serial No 247,025; published June 14, 1927.

CLASS 29.

Brushes, Shaving. Rubber and Celluloid Products Company. 231,716; Aug. 23; Serial No. 246,848; published May 31, 1927.
Cloths, Industrial wiping. Hillside Cotton Mills. 231,767–8; Aug. 23; Serial Nos. 247,736–7; published June 14, 1927.
Powder puffs. G. S. Hershey. 231,693; Aug. 23; Serial No. 246,208; published May 24, 1927.
Powder puffs. J. Taylor. 231,698; Aug. 23; Serial No. 246,448; published May 24, 1927.
Toothbrushes. Rubber and Celluloid Products Company. 231,717; Aug. 23; Serial No. 246,849; published May 31, 1927.

CLASS 30.

Chinaware, stoneware, etc. Villeroy & Boch. 231,679; Aug. 23; Serial No. 245,122; published June 14, 1927.
Porcelain and china. Best & Co. 231,468; Aug. 23; Serial No. 242,468; published June 14, 1927.

CLASS 33.

Bottles made of glass, Prescription. Obear-Nester Glass Co. 231,759; Aug. 23; Serial No. 247,961; published June 14, 1927.
Glass. Corning Glass Works. 231,761; Aug. 23; Serial No. 247,889; published June 14, 1927.
Glass. Corning Glass Works. 231,765; Aug. 23; Serial No. 247,781; published June 14, 1927.
Glass shades, globes, and chimneys. Houdaille et Triquet. 62,591; renewed May 14, 1927.
Glassware. Gleason-Tiebout Glass Company. 231,707; Aug. 23; Serial No. 246,546; published June 7, 1927.

CLASS 34.

Oil-burning equipment. Monarch Mfg. Works, Inc. 231,671; Aug. 23; Serial No. 246,700; published May 31, 1927.
Radiating combustion chambers. Carborundum Company. 231,673; Aug. 23; Serial No. 246,861; published June 14, 1927.

CLASS 36.

Patent heads, tailpieces, string pegs, guitar steels, etc., for musical instruments. Waverly Musical Products Co. 231,683; Aug. 23; Serial No. 245,307; published May 31, 1927.
Phonograph reproducer. M. F. Osuch. 231,725; Aug. 23; Serial No. 247,095; published June 14, 1927.
Phonographs, phonographs adapted for combination with radio receiving sets, and parts for such phonographs. Columbia Phonograph Company. 231,711–12; Aug. 23; Serial Nos. 246,669–70; published June 7, 1927.
Phonographs, talking machines, records, etc. H. Ray. 231,565–6; Aug. 23; Serial Nos. 246,680–1; published May 31, 1927.
Pianos. H. C. Evans & Company. 231,687; Aug. 23; Serial No. 245,701; published May 31, 1927.

CLASS 37.

Crayons, Colored and pastel. Vereinigte Farben- & Lackfabriken. 231,514; Aug. 23; Serial No. 244,252; published June 7, 1927.
Diary, Bridge. Ace Bridge Diary Syndicate. 231,482; Aug. 23; Serial No. 246,143; published June 7, 1927.
Fabric without warp or woof. N. L. Duryea. 231,596; Aug. 23; Serial No. 247,677; published June 7, 1927.
Ledgers. Lefebure Ledger Company. 64,002; renewed July 16, 1927.
Moistening and/or serving adhesive or gummed tape, labels, and like strip material. Devices for. Nashua Package Sealing Co. Inc. 231,597; Aug. 23; Serial No. 247,809; published May 31, 1927.
Paper. Graham Paper Company. 66,549–55; renewed Dec. 10, 1927.
Paper, Manuscript music. Carl Fischer, Inc. 231,590; Aug. 23; Serial No. 246,946; published June 7, 1927.
Paper, Toilet. A. W. Lovejoy. 231,533; Aug. 23; Serial No. 215,413; published May 31, 1927.
Paper, Toilet. Universal Crepe & Tissue Mills, Inc. 231,599; Aug. 23; Serial No. 247,718; published May 31, 1927.
Pens, roller blotters, and fountain-pen parts, Fountain. Hartline Blotter Pen Co. 231,492; Aug. 23; Serial No. 246,610; published June 7, 1927.

CLASS 38.

Lithographs and halftone photolithographs. Edwards & Deutsch Lithographing Company. 231,561; Aug. 23; Serial No. 241,204; published May 31, 1927.
Magazine. New South Publishing Co. 231,478; Aug. 23; Serial No. 246,045; published May 31, 1927.
Magazine. S. A. Paddock. 231,593; Aug. 23; Serial No. 247,205; published June 7, 1927.
Mottoes, Gift. Buzza Company. 231,545; Aug. 23; Serial No. 234,370; published June 7, 1927.
Mottoes, Gift. Buzza Company. 231,546; Aug. 23; Serial No. 234,373; published May 31, 1927.
Mottoes, Gift. Buzza Company. 231,547; Aug. 23; Serial No. 234,376; published May 31, 1927.
Music, Sheet. Villa Moret, Inc. 231,479; Aug. 23; Serial No. 246,057; published June 7, 1927.
Music, Sheet. Villa Morét, Inc. 231,485; Aug. 23; Serial No. 246,184; published June 7, 1927.
Newspaper. Carter Publications, Inc. 231,491; Aug. 23; Serial No. 246,528; published May 31, 1927.
Newspaper. Evening Star Newspaper Co. 66,508–9; renewed Dec. 10, 1927.
Newspaper articles, Nom de plume for. NEA Service, Inc. 231,781; Aug. 23.
Newspaper section. King Features Syndicate, Inc. 231,564; Aug. 23; Serial No. 247,545; published June 7, 1927.
Periodical. Carlton Mills, Inc. 231,591; Aug. 23; Serial No. 247,066; published May 31, 1927.
Periodical. E. G. Leazner. 231,496; Aug. 23; Serial No. 246,914; published May 31, 1927.
Publication. Engineering Magazine Company. 231,532; Aug. 23; Serial No. 193,276; published May 31, 1927.
Publication. D. Gordon. 231,502; Aug. 23; Serial No. 247,183; published June 7, 1927.
Publication. Literary Guild of America, Inc. 231,542; Aug. 23; Serial No. 245,734; published June 7, 1927.
Publication. Radio Dealers Publishing Co. 231,480; Aug. 23; Serial No. 246,225; published May 31, 1927.
Publication. Thrilling Tales, Inc. 231,494; Aug. 23; Serial No. 246,784; published June 7, 1927.
Publications. National Poultry Institute, Inc. 231,483; Aug. 23; Serial No. 246,174; published June 7, 1927.

CLASS 39.

Boots and shoes. International Shoe Company. 231,779; Aug. 23.
Boots and shoes. Utz & Dunn Company. 231,795; Aug. 23.
Boots and shoes, Leather. Courtney Shoe Co. 66,095; renewed Nov. 12, 1927.
Coats, vests, pants, and overcoats. Fashion Park, Inc. 231,793; Aug. 23.
Corsets. R. B. Scognamillo. 62,846; renewed May 28, 1927.
Hosiery. Capitol Knitting Co. 231,783; Aug. 23.
Hosiery. Chipman Knitting Mills. 231,776; Aug. 23.
Hosiery. L. Neebe. 65,681; renewed Oct. 15, 1927.
Scarfs and shawls. Cockcroft Silk Company. 231,797; Aug. 23.
Shirts and pyjamas, Men's and boys'. L. Raskind. 231,780; Aug. 23.
Shirts, pants, and overalls, gloves, hosiery, etc., Work. M. Segal. 231,792; Aug. 23.
Underwear, Men's textile fabric union-suit. C. M. Walker. 231,794; Aug. 23.

CLASS 42.

Awning stripes and ticking. John Boyle & Company Incorporated. 231,621; Aug. 23; Serial No. 211,912; published May 31, 1927.
Bedding. Simon Mattress Manufacturing Co. 231,562; Aug 23; Serial No. 238,922; published May 10, 1927.
Bedspreads, bedquilts, etc. Monadnock Mills. 231,709; Aug. 23; Serial No. 246,619; published June 7, 1927.
Carpets and rugs, Wool. Charles W. Poulson & Sons Carpet Co. 231,722; Aug. 23; Serial No. 247,030; published June 7, 1927.

Carpets and rugs, Wool. Charles W. Poulson & Sons Carpet Co. 231,763; Aug. 23; Serial No. 247,208; published June 7, 1927.
Chiffons, malines, ribbons, and velvets. Friedman & Distillator. 66,740; renewed Dec. 24, 1927.
Cloth of cotton, silk, and combinations of the same. Elder Mfg. Co. 231,788; Aug. 23.
Cotton piece goods. Amory, Browne & Co. 231,724; Aug. 23; Serial No. 247,059; published June 7, 1927.
Cotton yard goods in the piece. R. H. Macy & Co. 231,688; Aug. 23; Serial No. 245,737; published June 7, 1927.
Rayon and silk mixed piece goods. Duplan Silk Corporation. 231,757; Aug. 23; Serial No. 248,161; published June 14, 1927.
Rugs and carpets, Textile. Hugh Nelson Columbia Carpet Mills, Inc. 231,804; Aug. 23.
Rugs, Textile. Hillside Cotton Mills. 231,769; Aug. 23; Serial No. 247,735; published June 14, 1927.
Silk piece goods. Doshi Trading Co. Ltd. 231,718; Aug. 23; Serial No. 246,671; published June 7, 1927.
Silk piece goods. Duplan Silk Corporation. 231,756; Aug. 23; Serial No. 248,162; published June 14, 1927.
Silk piece goods. Stehli Silks Corporation. 231,736; Aug. 23; Serial No. 248,378; published June 14, 1927.
Silk piece goods, silk and cotton piece goods, silk scarfs used as draperies and ribbons. Duo-Dye Corporation. 231,787; Aug. 23.
Textile fabrics. B. F. Miller. 231,762; Aug. 23; Serial No. 247,808; published June 14, 1927.
Velvet, velveteen, and corduroy. Vanetta Velvet Co. 231,760; Aug. 23; Serial No. 247,917; published June 14, 1927.
Woolen goods. Worumbo Manufacturing Company. 231,789; Aug. 23.
Woolen piece goods. Forstmann & Huffmann Company. 231,680; Aug. 23; Serial No. 245,208; published June 7, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 231,681; Aug. 23; Serial No. 245,205; published June 7, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 231,734; Aug. 23; Serial No. 248,357; published June 7, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 231,737–8; Aug. 23; Serial Nos. 248,358–9; published June 7, 1927.
Woolen piece goods. Worumbo Manufacturing Company. 66,483; renewed Dec. 8, 1927.
Woolen textile fabrics. Atlantic Mills. 231,744; Aug. 23; Serial No. 248,466; published June 14, 1927.
Woolen textile fabrics in the piece. Atlantic Mills. 231,748; Aug. 23; Serial No. 248,469; published June 14, 1927.
Worsted and woolen dress goods. F. A. Bochmann & Co. 231,719; Aug. 23; Serial No. 246,950; published June 14, 1927.

CLASS 43.

Silk filling or woof. Grove Silk Company. 231,801; Aug. 23.
Yarn. Champlain Silk Mills. 231,742; Aug. 23; Serial No. 248,618; published June 14, 1927.

CLASS 44.

Dental patterns, Surfacing liquid for coating wax. M. F. Patterson Dental Supply Co. 231,782; Aug. 23.
Sanitary belts. C. F. Hovey Co. 231,703; Aug. 23; Serial No. 247,475; published May 31, 1927.
Sanitary napkins. Druggists' Supply Corporation. 231,702; Aug. 23; Serial No. 247,526; published May 31, 1927.

CLASS 45.

Ginger ale. Jacob House & Son. 66,296; renewed Nov. 19, 1927.
Water, Mineral. Die Actiengesellschaft Apollinaris Brunnen. 66,136; renewed Nov. 12, 1927.
Waters and all nonalcoholic carbonated beverages, Mineral and table. F. D. Councilman. 63,363; renewed June 18, 1927.

CLASS 46.

Apples. Roche Fruit & Produce Company. 231,635; Aug. 23; Serial No. 237,821; published June 14, 1927.
Bananas. I. P. Butzbach. 231,584; Aug. 23; Serial No. 247,064; published June 14, 1927.
Bread. Beck's Baking Corporation. 231,558; Aug. 23; Serial No. 242,565; published June 7, 1927.
Bread. Continental Baking Co. 231,477; Aug. 23; Serial No. 246,016; published May 31, 1927.
Bread. Smith's Bakery, Inc. 231,595; Aug. 23; Serial No. 247,576; published May 31, 1927.
Bread, cakes, and rolls. Old Colony Bakery Inc. 231,589; Aug. 23; Serial No. 246,925; published June 7, 1927.
Bread, rolls, and cake. Dugan Brothers, Inc. 231,490; Aug. 23; Serial No. 246,470; published May 31, 1927.
Butter, eggs, and fresh milk. Providence Public Market Co. 231,534; Aug. 23; Serial No. 218,717; published June 7, 1927.
Candies. Kibbe Brothers Company. 231,581; Aug. 23; Serial No. 246,164; published June 14, 1927.
Candies. National Candy Company. 66,336; renewed Nov. 19, 1927.
Candies. D. Primrose. 231,641; Aug. 23; Serial No. 241,179; published June 14, 1927.
Candy. Fannie May Candy Co. Inc. 231,651; Aug. 23; Serial No. 248,094; published June 14, 1927.
Candy. Loft, Inc. 231,614; Aug. 23; Serial No. 244,162; published June 14, 1927.
Candy. Planters Nut & Chocolate Co. 231,636; Aug. 23; Serial No. 238,806; published June 14, 1927.
Canned apples, apricots, blueberries, cherries, grapefruit, etc. Twitchell-Champlin Company. 231,629; Aug. 23; Serial No. 231,413; published May 31, 1927.
Canned frozen oysters, Fresh. Morgan Oyster Company. 65,378; renewed Sept. 24, 1927.
Canned fruits and berries, peanuts, wheat flour, and dried fruits. Wilcox-Hayes Co. 231,540; Aug. 23; Serial No. 245,678; published June 7, 1927.
Canned fruits and vegetables, etc. Robt. C. Paulus & Co. 231,536; Aug. 23; Serial No. 228,557; published Mar. 29, 1927.
Canned peas. F. P. Roe & Bros., 65,056; renewed Sept. 3, 1927.
Canned salmon. Kelley-Clarke Co. 63,313; renewed June 11, 1927.
Canned tomatoes. F. P. Roe & Bro. 64,926; renewed Aug. 27, 1927.
Canned vegetables, fruits, berries, salmon, etc. Baker Brothers Company. 231,503; Aug. 23; Serial No. 245,826; published May 31, 1927.
Canned wheat. Dr. Brent's Nature Food Co. Inc. 231,549; Aug. 23; Serial No. 240,696; published June 7, 1927.
Chocolate sirup or confection. Corn Products Refining Company. 231,639; Aug. 23; Serial No. 240,806; published May 31, 1927.
Chocolates and other candies. Rueckheim Bros. & Eckstein. 66,895; renewed Nov. 26, 1927.
Coffee. American Coffee Co. of New Orleans, Ltd. 63,717; renewed July 2, 1927.
Coffee. Jas. H. Forbes Tea & Coffee Co. 231,648; Aug. 23; Serial No. 247,894; published June 14, 1927.
Coffee. National Grocery Company. 231,613; Aug. 23; Serial No. 244,088; published June 14, 1927.
Confections and sweets. Aktiebolaget Pastill. 231,625; Aug. 23; Serial No. 228,289; published June 14, 1927.
Corn, oats, cottonseed, linseed, bran, dairy feeds, etc. White Brothers. 231,550; Aug. 23; Serial No. 240,895; published June 7, 1927.
Currants and mincemeat, Dried. W. H. Marvin Company. 231,677–8; Aug. 23; Serial Nos. 246,488–9; published May 31, 1927.
Egg compound. R. Hellmann. 231,674; Aug. 23; Serial No. 246,550; published May 31, 1927.
Eggs. R. M. Weber. 231,539; Aug. 23; Serial No. 245,603; published May 31, 1927.
Feed, Dairy. Grain Belt Mills Company. 231,508; Aug. 23; Serial No. 247,852; published May 31, 1927.
Feed, Horse and mule. Grain Belt Mills Company. 231,600; Aug. 23; Serial No. 247,854; published May 31, 1927.
Flavoring extracts. J. F. Lazier Manufacturing Co. 231,520; Aug. 23; Serial No. 245,918; published May 31, 1927.
Flour, Wheat. John H. Ebeling Milling Company. 64,485; renewed Aug. 6, 1927.
Flour, Wheat. Freeburg Milling Co. 64,781; renewed Aug. 20, 1927.
Flour, Wheat. Southwestern Milling Company. 231,484; Aug. 23; Serial No. 246,182; published May 31, 1927.
Flour, Wheat. Texas Star Flour Mills. 231,507; Aug. 23; Serial No. 242,926; published May 31, 1927.
Flour, Wheat. Washburn Crosby Company. 231,480; Aug. 23; Serial No. 246,059; published May 31, 1927.
Flour, Wheat, Graham, rye, etc. Texas Star Flour Mills. 231,481; Aug. 23; Serial No. 246,133; published May 31, 1927.
Food, Prepared poultry. Seymour Packing Company. 231,495; Aug. 23; Serial No. 246,855; published June 7, 1927.
Frozen products similar to ice cream. Las-Kon-Ice, Inc. 231,552; Aug. 23; Serial No. 247,838; published May 31, 1927.
Fruits and grapes, Deciduous. Woodbridge Fruit Company. 231,633; Aug. 23; Serial No. 237,056; published June 14, 1927.
Gelatin. Essex Gelatine Company. 231,727; Aug. 23; Serial No. 246,839; published May 31, 1927.
Grapefruit, limes, oranges, etc. West Indies Fruit Importing Company. 231,606; Aug. 23; Serial No. 242,642; published June 14, 1927.
Gum, Chewing. Wm. Wrigley Jr. Company. 231,502; Aug. 23; Serial No. 245,773; published June 14, 1927.
Ice-cream confection. Reid Ice Cream Corporation. 231,749; Aug. 23; Serial No. 246,227; published May 31, 1927.
Jelly, jam, fruit preserves, etc. California Preserving Co. 231,656; Aug. 23; Serial No. 248,551; published June 14, 1927.
Lard. E. S. Basley. 231,799; Aug. 23.
Mayonnaise, Thousand Island dressing, and vegetable-chow relish. J. L. Gunn. 231,730; Aug. 23; Serial No. 246,402; published May 31, 1927.
Milk, Powdered skim. Brown and Bailey Condensed Milk Company. 231,632; Aug. 23; Serial No. 235,880; published May 31, 1927.
Mush. D. C. Jackson. 231,518; Aug. 23; Serial No. 244,772; published May 31, 1927.
Nougats, preserves, etc. Hijos of Antonio Esteva y Oliver. 231,548; Aug. 23; Serial No. 239,108; published May 31, 1927.

Nut kernels in the natural state for food. Gill & Duffus. 231,543; Aug. 23; Serial No. 245,836; published May 31, 1927.
Oil, Olive. G. Granucci. 231,526; Aug. 23; Serial No. 246,025; published May 31, 1927.
Peanut butter and prepared mustard bran. Bayle Food Products Co. 231,607; Aug. 23; Serial No. 243,580; published May 31, 1927.
Peanuts (roasted and raw) and peanut butter. H. A. Robinson Company. 231,631; Aug. 23; Serial No. 235,753; published May 31, 1927.
Pies. Oriole Inc. 231,603; Aug. 23; Serial No. 241,896; published June 7, 1927.
Pop corn, Candied. Rueckheim Bros. and Eckstein. 66,414; renewed Nov. 26, 1927.
Sausage, bacon, ham, and dried beef. Guggenheim Bros. 231,574; Aug. 23; Serial No. 247,020; published June 14, 1927.
Spices and cocoa. Naamlooze Vennootschap Export- en Importamaatschappij Alberto Aders & Co. 231,615; Aug. 23; Serial No. 244,462; published May 31, 1927.
Tea. Abraham & Straus, Inc. 231,800; Aug. 23.
Vinegar. Roanoke Apple Products Co. 231,622; Aug. 23; Serial No. 218,778; published May 10, 1927.

CLASS 48.

Malt extracts. F. di Clementi. 231,802; Aug. 23.

CLASS 49.

Whisky. Kentucky Holding Corporation. 231,691; Aug. 23; Serial No. 246,032; published May 31, 1927.
Whisky. Wm. Sanderson & Son. 66,087; renewed Nov. 5, 1927.

CLASS 50.

Electrotypes, matrices, etc. Syracuse Electrotyping Co. 231,517; Aug. 23; Serial No. 244,729; published May 24, 1927.
Tents. Henrix-Luebbert Mfg. Co. Inc. 231,516; Aug. 23; Serial No. 244,603; published May 24, 1927.
Tents and tent structures. C. J. Holgaard Company. 231,493; Aug. 23; Serial No. 246,611; published May 31, 1927.

ALPHABETICAL LIST OF LABELS.

Adams' Hollywood Hair Tonic for Hair Dressing. For Hair Tonic. A. G. Adams. 32,605; Aug. 23.
Azteca. For Coffee, Cereal, and Chicory. Volpe Bros. 32,652; Aug. 23.
Bailey's Original Pure Apple Cider. For Apple Cider. R. M. Bailey. 32,607; Aug. 23.
Bake-Rite Master Loaf. For Bread. Iowa Bake Rite Company. 32,626; Aug. 23.
Coachella Valley Oasis. For Fresh Tomatoes. Imperial Produce Company. 32,624; Aug. 23.
Crystal. For Bottled Distilled Water. Crystal Distilled Water Co. 32,612; Aug. 23.
Del Monte Coffee. For Coffee. Tillman & Bendel, Inc. 32,646; Aug. 23.
Erath's. For a Relish. C. E. Erath. 32,614; Aug. 23.
Florin. For Fresh Grapes. Florin Fruit Grower's Association. 32,616; Aug. 23.
Fog Mist Compressed Air Sprayer. For Hand Sprayers. B. Heller & Company. 32,622; Aug. 23.
4S77 Cough. For a Preparation for relief of coughs. Valley Drug Company. 32,649; Aug. 23.
Gold Star. For Pretzels. Gold Star Pretzel Co. 32,618; Aug. 23.
Golden Sweets. For Canned Sweet Potatoes. Barnett & Sibille Company. 32,608; Aug. 23.
GOLLeWOG. For Candy. Buffalo Candy Company. 32,609; Aug. 23.
Grandmother Blasser's All-Healing and Drawing Salve. For a Salve. Valley Drug Company. 32,648; Aug. 23.
Imported Famous Roquefort Cheese. For Cheese. William Faehndrich, Inc. 32,615; Aug. 23.
Indio. For Fresh Tomatoes. Imperial Produce Company. 32,625; Aug. 23.
J. T. Roach Powder. For Roach Powder. J. T. Piranio. 32,640; Aug. 23.
Ken-L-Ration The Dog Food Supreme. For Canned Food for Dogs, Cats, and Other Carnivorous Animals. Chappel Bros., Inc. 32,610; Aug. 23.
Kruschen Salts. For Kruschen Salts Tablets. E. Griffiths Hughes, Inc. 32,620; Aug. 23.
Kuhn's Salted Nuts. For Nuts. D. F. Kuhn. 32,627; Aug. 23.
Last of Korn. For a Remedy for Corns and Calli. J. H. Newman. 32,636; Aug. 23.
Liberty Bell. For Malt Sirup. (National Products Company) Società Prodotti Nazionali, Inc. 32,635; Aug. 23.
Lifetone. For Laxative Cleanser Tonic. W. Georges. 32,617; Aug. 23.
Logger. For Malt Sirup. Milwaukee Malt Syrup Company. 32,634; Aug. 23.
Manna Matzos. For Crackers. B. Manischewitz Company. 32,628; Aug. 23.
Max Miller's Special Bohemian Type Malt Syrup. For Malt Sirup. M. Miller. 32,633; Aug. 23.
Mrs. Guntrath's 2 Minute Dessert. For a Ready-Prepared Material for Making Desserts. Guntrath-Lorensen Company. 32,619; Aug. 23.
Natural Crushed Wheat. For Natural Crushed Wheat. I. T. Hawes. 32,621; Aug. 23.
Norco. For Chemically-Prepared Cloth for Cleaning Silverware. F. F. Horst. 32,623; Aug. 23.
North Glow. For Canned Crab Meat. North American Mercantile Company. 32,637; Aug. 23.
Northern Bear. For Toilet Paper. Northern Paper Mills. 32,638; Aug. 23.
O—K. For Butter. Menasha Printing and Carton Company. 32,630; Aug. 23.
O. K. Brand. For Butter. Menasha Printing and Carton Company. 32,631; Aug. 23.
Rat Killer No. 9 is the Envelope Kind. For Rat Poison. W. C. McKee. 32,629; Aug. 23.
Red Devil Roach Powder. For Insect Powder. H. Sadur. 32,643; Aug. 23.
Salada Orange Pekoe & Pekoe. For Tea. Salada Tea Company. 32,644; Aug. 23.
Spirit of St. Louis. For Coffee. Frank A. Rolling Co. Inc. 32,642; Aug. 23.
Superior Brand. For Butter. Menasha Printing and Carton Company. 32,632; Aug. 23.
Tasty Taters. For Potato Chips. Paso Food Product Company. 32,639; Aug. 23.
Tea Garden. For Fresh Grapes. L. B. Bailey. 32,606; Aug. 23.
This is a Pair of Levi's. For Overalls. Levi Strauss & Company. 32,645; Aug. 23.
Tick Tock. For Fresh Grapes. Reedley Fruit Growers Association. 32,641; Aug. 23.
Tile Kleen. For a Cleaner. N. de Mark. 32,613; Aug. 23.
Tontite. For Waterproof Coating for Motor-Car Tops. Toptite Products Company. 32,647; Aug. 23.
Tree Silk. For Toilet Paper. Victoria Paper Mills Company. 32,651; Aug. 23.
Tuf-Tex. For Trousers. Crown Overall Mfg. Co. 32,611; Aug. 23.
Victoria Silk Tissue. For Toilet Paper. Victoria Paper Mills Company. 32,650; Aug. 23.

ALPHABETICAL LIST OF PRINTS.

Calavo, The Aristocrat of Salad Fruits. For Salad Fruit. California Avocado Growers Exchange. 10,119; Aug. 23.
Diffin's Kat-A-Lina Red-Hot. a Pedigreed Sandwich. For a Frankfurter Sandwich. H. D. Diffin. 10,120; Aug. 23.
Flying Cloud. For Motor Vehicles. Reo Motor Car Company. 10,128; Aug. 23.
Grennan Cook-Book Cookies. For Grennan Cook-Book Cookies. Grennan Bakeries, Inc. 10,121; Aug. 23.
Heirloom Plate. For Silver-Plated Ware. Wm. A. Rogers, Ltd. 10,130; Aug. 23.
Hollywood Seamless Crotch Swimming Suits. For Swimming Suits. West Coast Knitting Mills. 10,132; Aug. 23.
How You Do Relish Our X-llent Ice Cream. For Ice Cream. W. F. Montrey. 10,123; Aug. 23.
J. J. Noonan's Rose & Single Combs Rhode Island Reds Poultry. For Poultry. J. J. Noonan. 10,124; Aug. 23.
Rat Killer No. 9 is the Envelope Kind. For Rat Poison. W. C. McKee. 10,122; Aug. 23.
Sea Shell Macaroni. For a Food Product. Pfaffmann Egg Noodle Company. 10,125; Aug. 23.
Servall 100% Pure Paraffine Base Oil. For Servall 100% Pure Paraffin-Base Oils. I. E. Bernard. 10,118; Aug. 23.
Swans Down Cake Flour is 27 Times as Fine as Bread Flour. For Cake Flour. Postum Co. 10,127; Aug. 23.
Swans Down Cake Flour Makes Wonderful Cake a Certainty. For Cake Flour. Postum Co. 10,126; Aug. 23.
The 'Sealon' Hood Cap. Patented Oct. 12, 1926. Design Patent Pending. Copyright 1927 by Sealright Co., Inc. For Sealright Sealon Hood Caps. Sealright Co. Inc. 10,131; Aug. 23.
Wm. A. Rogers Sectional Silver Plate. For Silver Plated Ware. Wm. A. Rogers, Ltd. 10,129; Aug. 23.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abeln, Charles J., St. Louis, Mo. Show case. 1,639,875; Aug. 23.
Abrahamson, Gunwald, Point Edward, Ontario, Canada. Bit-brace head. 1,640,020; Aug. 23.
Acker, George H., assignor, to The Cleveland Worm and Gear Company, Cleveland, Ohio. Machine element. 1,639,680; Aug. 23.
Acosta, Joseph W. L., San Francisco, Calif. Vacuum cleaner. 1,639,876; Aug. 23.
Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Brake hanger. 1,640,228; Aug. 23.
Adams, William H., Kenyon, R. I. Induction coil for radio apparatus. 1,640,172; Aug. 23.
Add-Index Corporation. (See Broman, Charles E., assignor.)
Adler, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Chair. Des. 73,275; Aug. 23.
Alford, Ambrose. (See Hitchcock, George E., assignor.)
Aluminum Company of America. (See Varney, Theodore, assignor.)
Alworth, Greydon N., South Milwaukee, Wis. Automatic line indicator for typewriters. 1,640,337; Aug. 23.
American Can Company. (See Huntar, Felix, assignor.)
American Can Company. (See Murch, John H., assignor.)
American Radiator Company. (See Mallory, Harry C., assignor.)
American Schaeffer & Budenberg Corporation. (See Blum, Eugen, assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Stove Company. (See Possons, Minard A., assignor.)
American Telephone and Telegraph Company. (See Friend, O. A. and Dustin, assignors.)
American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Tube and Stamping Co., The. (See Keating, Daniel A., assignor.)
Anderson, Charles L., Reno, Nev. Aviation. 1,639,833; Aug. 23.
Andrade, Cipriano, jr., New York, N. Y. Boiler clutch. 1,639,974; Aug. 23.
Andresen, Julius C., and H. F. Marten, assignors to California Barrel Company, San Francisco, Calif. Attaching device for receptacle bails. 1,639,975; Aug. 23.
Angier, Edward H., Framingham, Mass. Packaging toric articles. 1,640,021; Aug. 23.
Angier, Edward H., Framingham, Mass. Packaging toric articles. 1,640,022; Aug. 23.
Ankele, Moritz A., Danville, Ill. Rail-clamp signal. 1,639,877; Aug. 23.
Anstiss, George P., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Dishwashing machine. 1,639,834; Aug. 23.
Armstrong, John L., Chicago, Ill., assignor to The National Lock Washer Company, Newark, N. J. Combined sash holder and window release. 1,640,064; Aug. 23.
Arvedson, George F., Carpentersville, Ill. Garden implement. 1,639,643; Aug. 23.
Ashton Valve Company, The. (See Priest, Walter F., assignor.)
Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Organ action. 1,640,306; Aug. 23.
Austin, John T., assignor to The Austin Organ Company, Hartford, Conn. Organ stop action. 1,640,307; Aug. 23.
Austin Organ Company, The. (See Austin, John T., assignor.)
Automat Equipment Corporation. (See Zsoldos, Julius, assignor.)
Automatic Electric Inc. (See Madsen, Fred T., assignor.)
Automatic Electric Inc. (See Richardson, R. G., and Bellamy, assignors.)
Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Car-coupler system. 1,639,717; Aug. 23.
Axe, Roy T., assignor to The O. M. Edwards Company Inc., Syracuse, N. Y. Window sash and lock construction. 1,640,173; Aug. 23.
Baccellieri, Raffaele, Philadelphia, Pa. Press. 1,639,791; Aug. 23.
Bacorn, Fredrick W., Butte, Mont. Lathering device. 1,639,718; Aug. 23.
Bager, Frederic E., South Milwaukee, assignor to The T. L. Smith Company, Milwaukee, Wis. Flexible seal for mixers. 1,640,174; Aug. 23.
Baker, Max L. (See Danks, R. L., and Baker.)
Ballou, B. A., & Co. (See Ballou, F. A., and Stafford, assignors.)
Ballou, Frederick A., Nayatt, and R. T. Stafford, East Providence, assignors to B. A. Ballou & Co., Inc., Providence, R. I. Ornamentation for shoes. 1,650,104; Aug. 23.
Baltzer, Henry P., Hamburg, N. Y. Adjustable securing device for trusses. 1,640,229; Aug. 23.
Barnes, Rolland O., Walkerton, Ind. Tool for scraping bearings. 1,640,175; Aug. 23.
Barnes, Stanley. (See Corcoran, Louis A., assignor.)
Baron, George J., Willesden, England. Locksmith's instrument to open all standard makes of cylinder locks. 1,639,919; Aug. 23.
Barron, Randolph M., Beaumont, assignor of one-half to C. W. Wallace, Columbia, Miss. Veneer-splitting machine. 1,640,023; Aug. 23.
Barry, James, Medford, Mass. Fish-cutting machine. 1,639,976; Aug. 23.
Baumann, Karl, Urmston, England, assignor to Westinghouse Electric and Manufacturing Company. Flexible coupling for shafts. 1,639,644; Aug. 23.
Baxter, William C., assignor to E. M. Trimble, Rochester, N. Y. Folding crib. 1,640,024; Aug. 23.
Baxter, William C., assignor to E. M. Trimble Mfg. Company, Inc., Rochester, N. Y. Wheel mounting for cribs or the like. 1,640,025; Aug. 23.
Bean, William L., West Haven, Conn. Locomotive smoke box. 1,639,792; Aug. 23.
Beard, Lawrence O., Lancaster, Pa. Valve-seat-refacing tool. 1,639,835; Aug. 23.
Becker, Allen J., Upper Montclair, N. J. Automatic stevedore-truck brake. 1,640,308; Aug. 23.
Bell Telephone Laboratories, Incorporated. (See Curtis, Austen M., assignor.)
Bellamy, John I. (See Richardson, R. G., and Bellamy.)
Bellingrath August, East Orange, N. J., assignor to August Goertz & Co. Bag frame. 1639,977; Aug. 23.
Bendix Brake Company. (See Cautley, John R., assignor.)
Bennett, Roy C., Hendersonville, N. C. Telephone cabinet. Des. 73,276; Aug. 23.
Bentrott, Harry, Wheatland, Iowa. Latch. 1,639,878; Aug. 23.
Berdon, Albert E., South Orange, N. J., assignor to Self-Feeding Vaporizer Corporation, New York, N. Y. Pressure fuel-feed system for hydrocarbon engines. 1,639,645; Aug. 23.
Bergen, Harry S., assignor to Toledo Scale Company, Toledo, Ohio. Tapping machine. 1,640,105; Aug. 23.
Berger, Samuel I., Newark, N. J. Statuette. Des. 73,277; Aug. 23.
Bergstrom, Ralph W., Rockford, Ill. Lubricating-oil heater. 1,640,176; Aug. 23.
Berkins, Clarence A., Minneapolis, Minn. Hydrocarbon burner. 1,639,920; Aug. 23.
Berlin, David W., Rasunda, Sweden. Self-locking nut. 1,639,681; Aug. 23.
Bernardin Bottle Cap Company. (See Spahn, August C., assignor.)
Bettenga, Creno P., assignor to Marshalltown Sheet Metal Works, Marshalltown, Iowa. Feeder for liquid foods. 1,640,139; Aug. 23.
Beyer, Alfred H., Cleveland, Ohio. Box. 1,639,793; Aug. 23.
Birch, Robert W., Livingston, Mont. Collapsible basket. 1,639,921; Aug. 23.
Bishop, Benjamin S. T., Shrewsbury, and P. E. Dow, Leicester, assignors to Leiland-Gifford Company, Worcester, Mass. Electric reversing device for tapping machines. 1,640,177; Aug. 23.
Bissell Carpet Sweeper Company. (See Owen, Ira J., assignor.)
Black Rock Manufacturing Company, The. (See Nicholas, William, assignor.)
Blackburn, Jasper, Webster Groves, Mo. Tamping bar for expanding earth anchors. 1,639,836; Aug. 23.
Blakeslee, G. S., & Co. (See Anstiss, George P., assignor.)
Blaskewitz, William. (See Groehn, O. J., and Blaskewitz.)

Blau, Fritz, Berlin, Germany. Painting and production of the same. 1,640,230; Aug. 23.
Blaw, Jacob B., deceased, Atlantic City, N. J.; S. H. Blaw, executrix. Interior wall. 1,640,065; Aug. 23.
Blaw, Sadie H., executrix. (See Blaw, Jacob B.)
Bliss, Carl E., and F. A. Wegener, assignor to Welsbach Company, Gloucester, N. J. Gas mantle and making the same. 1,639,682; Aug. 23.
Blum, Eugen, Valley Stream, assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Tachometer. 1,639,978; Aug. 23.
Blumberg, Hamilton G. (See Price, W. H., and Blumberg.)
Boal, Harry J. (See Jonasson, C. V., and Boal.)
Bodde, Theodore, Niagara Falls, N. Y. Method of and apparatus for electrically producing sound. 1,640,140; Aug. 23.
Bodde, Theodore, Niagara Falls, N. Y. Method of and apparatus for electrically producing sound. 1,640,141; Aug. 23.
Bogan, Orley E., Centralia, Ill. License-plate fastener. 1,640,106; Aug. 23.
Bonnar, Henry O., New York, assignor, by mesne assignments, to Gilman Fanfold Company, Limited, Niagara Falls, N. Y. Printed form. 1,639,683; Aug. 23.
Borsig, A., G. m. b. H. (See Marscheider, Karl, assignor.)
Bott, George R., assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Mounting for antifriction bearings. 1,639,684; Aug. 23.
Bowman, Henry V. (See Woolsey, C. A., and Bowman.)
Boyd, Harold A. (See Boyd, Thomas A., H. A., and J.)
Boyd, James. (See Boyd, Thomas A., H. A., and J.)
Boyd, Thomas A., H. A., and J., Glasgow, Scotland. Spinning, twisting, and like frame. 1,639,794; Aug. 23.
Boyle, Edward, Lyndhurst, N. J., assignor to MacCammond-Alexander Corporation, New York, N. Y. Casting mold. 1,640,107; Aug. 23.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Providing suction for operating power actuators. 1,639,979; Aug. 23.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Braun, Aquila R., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Garment-pressing machine. 1,640,142; Aug. 23.
Brecht, Gus V., Butchers' Supply Company. (See Deacon, Edward F., assignor.)
Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 1,639,719; Aug. 23.
Brenne, Arild M., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,068; Aug. 23.
Breuls, Stanley A., Sutton West, Ontario, Canada. Storage battery. 1,639,922; Aug. 23.
Brewster, Ruby T., New York, N. Y. Bottle or similar perfume container. Des. 73,278; Aug. 23.
Bridges, A. S., et al. (See Nesmith, Samuel D., assignor.)
Bright Star Battery Company. (See Keller, Frederick A., assignor.)
Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
British Dyestuffs Corporation Limited. (See Cronshaw, C. J. T., and Naunton, assignors.)
Broadmeyer, Albert, assignor, to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Changing the direction of movement of sheets. 1,640,108; Aug. 23.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe soles. 1,639,720; Aug. 23.
Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 1,639,721; Aug. 23.
Broido, Benjamin N., assignor to The Superheater Company, New York, N. Y. Boiler construction. 1,640,178; Aug. 23.
Broman, Charles E., Grand Rapids, Mich., assignor, by mesne assignments, to Add-Index Corporation. Calculating machine. 1,639,923; Aug. 23.
Brookshire Cheese Company. (See Wheeler, J. H., and Scott, assignors.)
Brown, Bruce K., Terre Haute, Ind., assignor to C. F. Burgess Laboratories, Inc., Dover, Del. Electrochemical production of solid oxides of carbon. 1,639,980; Aug. 23.
Brown, Bruce K., Terre Haute, Ind., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Galvanic cell. 1,639,983; Aug. 23.
Brown, Bruce K., Terre Haute, Ind., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Dover, Del. Dry cell. 1,639,984; Aug. 23.
Brown, Bruce K., Terre Haute, Ind., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Dry-cell depolarizer. 1,639,985; Aug. 23.
Brown, Campbell, Belfast, Ireland. Baker's oven. 1,640,333; Aug. 23.
Brown Company. (See Parker, Howard, assignor.)
Brown Company. (See Richter, G. A., and Schur, assignors.)
Brown, E., Washington, D. C. Piston ring. 1,640,109; Aug. 23.
Brown, Sidney G., North Acton, London, England. Device for transmitting or reproducing sound. 1,639,924; Aug. 23.
Brown, William H., Philadelphia, Pa. Ignition timer. 1,640,231; Aug. 23.
Brown, William T., assignor to The Watson Company, Attleboro, Mass. Spoon or similar article. Des. 73,279; Aug. 23.
Bruce, Malvern L. (See Nelson, Charles S., assignor.)
Buchholz, Max, Cassel, Germany. Protective system for electric apparatus. 1,640,309; Aug. 23.
Buchholz, Max, Cassel, Germany. Protecting electric apparatus. 1,640,310; Aug. 23.
Buck, Sterling P. (See Suarez, Joseph M., assignor.)
Buckeye Steel Castings Company, The. (See Johnson, G. T., and Stertzbach, assignors.)
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car truck. 1,640,179; Aug. 23.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car truck. 1,640,180; Aug. 23.
Buffington, Leonard C., Golden City, Mo. Combined end gate and ramp. 1,639,879; Aug. 23.
Bulmer, J. H., et al. (See Nesmith, Samuel D., assignor.)
Bunevac, Paul, St. Louis, Mo. Parachute suit. 1,640,110; Aug. 23.
Burgess, C. F., Laboratories, Inc. (See Brown, Bruce K., assignor.)
Burgess, C. F., Laboratories, Inc. (See Storey, Oliver W., assignor.)
Burgess, C. F., Laboratories, Inc. (See Storey, O. W., and Collinson, assignors.)
Burgett, Paul F., Mexico, Mo. Truck. 1,640,263; Aug. 23.
Burner, Thomas E., Carthage, Ill. Cornstalk shredder. 1,639,837; Aug. 23.
Burt, John O., Memphis, Tenn. Fumigator. 1,640,026; Aug. 23.
Butler, Elmore R., and W. T. Singer, Toronto, Ontario, Canada. Shaving-stick holder. 1,640,027; Aug. 23.
Butler, Joseph B., Whitehall, London, England. Toothbrush. 1,639,880; Aug. 23.
C. G. Spring & Bumper Company, The. (See Jandus, Herbert S., assignor.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Flum, assignors.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Keelor, assignors.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Morgan, assignors.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Rasmussen, assignors.)
C. G. Spring & Bumper Company, The. (See Jandus, H. S., and Van Husen, assignors.)
California Barrel Company. (See Andresen, J. C., and Marten, assignors.)
Callahan, E. J., et al. (See Nesmith, Samuel D., assignor.)
Callis, Conral C. (See Kraus, C. A., and Callis.)
Cameron Can Machinery Company. (See Cameron, William, assignor.)
Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Machine for operating upon sheet-metal cups. 1,639,646; Aug. 23.
Campbell, George W., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine and case. 1,639,761; Aug. 23.
Canada Carbide Company. (See Freeman, Horace, assignor.)
Canine, Chester W., Cincinnati, Ohio. Laundry-marking tag. Re16,717; Aug. 23.
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Driving mechanism. 1,639,647; Aug. 23.
Carrey, John O., assignor to Carrey-Morse Engineering Company, St. Louis, Mo. Compressor housing. 1,639,648; Aug. 23.
Carrey-Morse Engineering Company. (See Carrey, John O., assignor.)
Carter, Oscar M., Houston, Tex. Core barrel. 1,640,264; Aug. 23.
Cary Manufacturing Co. (See Razona, Vincent, assignor.)
Cautley, John R., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake shoe. 1,639,838; Aug. 23.
Chain Belt Company. (See Shafer, Samuel, jr., assignor.)
Chattanooga Bottle & Glass Manufacturing Company. (See Harrison, James F., assignor.)
Church, Harold D., Fairfield, Conn., assignor to Packard Motor Car Company, Detroit Mich. Motor vehicle. 1,639,881; Aug. 23.
Churcher, William B., Cleveland Heights, Ohio, assignor to The White Motor Company, Cleveland, Ohio. Electrical system. 1,639,882; Aug. 23.
Churcher, William B., Cleveland Heights, assignor to The White Motor Company, Cleveland, Ohio. Dynamo-electric system. 1,640,181; Aug. 23.
Cincinnati Grinders Incorporated. (See Norton, Charles H., assignor.)
Clark, Annie. (See Clark, Philippe L., assignor.)
Clark, Frank J., Harmony, Minn. Rural-mail-receiving apparatus. 1,639,722; Aug. 23.
Clark, George H. (See Hill, G., and Clark.)

Clark, James R., assignor to Yawman & Erbe Manufacturing Co., Rochester, N. Y. Adjustable partition. 1,639,795; Aug. 23.
Clark, Philippe L., deceased; R. A. Kirkpatrick, executor. Los Angeles, Calif., assignor to A. Clark. Power-transmitting device. 1,639,925; Aug. 23.
Clark, Reed J., jr., Youngstown, Ohio. Washing machine. 1,640,232; Aug. 23.
Clauson, William, Dorchester, assignor to U. S. Specialty Company, Boston, Mass. Spraying apparatus. 1,640,111; Aug. 23.
Clayton & Lambert Manufacturing Company. (See Groehn, O. J., and Blaskewitz, assignors.)
Cleland, Andrew V., Minneapolis, Minn. Flax-testing machine. 1,639,926; Aug. 23.
Cleveland Worm and Gear Company, The. (See Acker, George H., assignor.)
Clinton, Harry D., Johnson City, N. Y. Warping yarn. 1,639,927; Aug. 23.
Cloud, William S., Berkeley, Calif. Process and apparatus for making confections. Re16,712; Aug. 23.
Clyde Iron Works. (See McGiffert, John R., assignor.)
Coble, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Flower block. Des. 73,280; Aug. 23.
Coffey, Barton H., Elizabeth, N. J., and G. S. Dauphinee, New York, N. Y. Spray nozzle. 1,639,685; Aug. 23.
Cohen, Samuel H., assignor, by mesne assignments, to Jerry-J., Inc., Los Angeles, Calif. Attachment for sweaters and the like. 1,639,928; Aug. 23.
Colburn, Flora A., Rochester, N. Y. Shoe and stocking protector. 1,640,334; Aug. 23.
Cole, Orin H., Ashland, Oreg. Folding-chair hinge. 1,639,723; Aug. 23.
Collins, William A., Brooklyn, N. Y. Shutter-operating means. 1,640,233; Aug. 23.
Collinson, Gordon T. (See Storey, O. W., and Collinson.)
Colona Manufacturing Company. (See Shrum, P. J., and Henigen, assignors.)
Commonwealth Steel Company. (See Pflager, Harry M., assignor.)
Commonwealth Steel Company. (See Sheehan, William M., assignor.)
Congdon, Clem H., Cleveland, Ohio. Aircraft. 1,639,796; Aug. 23.
Conner, William W., Sewaren, N. J. Refrigerating apparatus. 1,639,986; Aug. 23.
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Conway, Joseph E., Baltimore, Md. Pipe wrench. 1,639,883; Aug. 23.
Conyers, Mark M., Custer, S. Dak. Antenna for use with radio sets. 1,640,234; Aug. 23.
Cool, David E., St. Louis, Mo. Shoe. 1,640,067; Aug. 23.
Corcoran, Louis A., assignor to S. Barnes, Indianapolis, Ind. Window fixture. 1,640,143; Aug. 23.
Coupland, Richard C., U. S. Army, Dayton, Ohio. Electrical control system. 1,639,987; Aug. 23.
Cramer, John C., Dayton, Ohio. Smoker's stand. Des. 73,281; Aug. 23.
Crane, Richard. (See Snadecki, William J., assignor.)
Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Advertising scale. 1,640,112; Aug. 23.
Creed, Frederick G., Croydon, and A. Orling, Streatham, London, England. Apparatus for amplifying small movements. 1,639,839; Aug. 23.
Crigor, Nathan M., Los Angeles, Calif., assignor to Ward Baking Company, New York, N. Y. Making food products. 1,640,182; Aug. 23.
Crompton & Knowles Loom Works. (See Donnelly, Thomas H., assignor.)
Crompton & Knowles Loom Works. (See Gordon, Albert A., assignor.)
Crompton & Knowles Loom Works. (See Hoffman, L. F., and Wakefield, assignors.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crompton & Knowles Loom Works. (See Wattie, William M., assignor.)
Crompton & Knowles Loom Works. (See Unwin, Kenneth J., assignor.)
Crompton & Knowles Loom Works. (See Unwin, K. J., and Wakefield, assignors.)
Cronshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of diarylguanidines. 1,639,724; Aug. 23.
Cronshaw, Cecil J. T., and W. J. S. Naunton, assignors to British Dyestuffs Corporation Limited, Manchester, England. Manufacture of diarylguanidines. 1,639,725; Aug. 23.
Crosley, Powel, jr., Cincinnati, Ohio. Rheostat. 1,640,028; Aug. 23.
Crow, Marven W., Fort Dodge, Iowa. Pipe wrench. 1,640,265; Aug. 23.
Cruikshank, J. W., Engineering Company. (See Cruikshank, James W., assignor.)
Cruikshank, James W., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa. Grading and delivering sand to glass-grinding machines. 1,640,029; Aug. 23.
Currey, Pinney A., Baker, Oreg. Curette. 1,640,113; Aug. 23.
Curtis, Austen M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 1,639,929; Aug. 23.
Cyphers, James F., Baltimore, Md. Rectifying column. 1,640,068; Aug. 23.
Cyphers, James F., Baltimore, Md. Rectifying column. 1,640,069; Aug. 23.
Daimler-Benz Aktiengesellschaft. (See Porsche, Ferdinand, assignor.)
Daing, Irven F., Monmouth, Ill., assignor to Western Stoneware Company. Loading device. 1,639,649; Aug. 23.
Daly, Joseph P., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Mechanism for pressing machines having a start and stop motor. 1,640,144; Aug. 23.
Danks, Roy L., and M. L. Baker, assignors to The Regal Silver Mfg. Co., New Haven, Conn. Spoon or similar article. Des. 73,282; Aug. 23.
Dauphinee, George S. (See Coffey, B. H., and Dauphinee.)
Davidson, Louis, New York, N. Y. Arch or truss shoe. 1,639,930; Aug. 23.
Davis Brick Machinery Company. (See McClelland, William H., assignor.)
Davis, Roy P. M., Mount Union, Pa. Inertia stripper. 1,639,840; Aug. 23.
Dawes, Willard C., Bozeman, Mont. Surgical instrument. 1,640,311; Aug. 23.
De Bellescize, Henri J. J. M. de R., Toulon, France. Wireless-telegraph station. 1,639,686; Aug. 23.
De Boer, Rudolph, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Wall pocket or similar article. Des. 73,283; Aug. 23.
De Guedalla, Mauricio M. A., Paris, France. Ornamenting glass and like transparent substances. 1,639,716; Aug. 23.
De Jong, Hendrik, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Machine for securing plate-shaped electrodes to carriers. 1,639,687; Aug. 23.
Deacon, Edward F., assignor to Gus V. Brecht Butchers' Supply Company, St. Louis, Mo. Refrigerator display case. 1,639,841; Aug. 23.
Dearborn, Moses S., Oakland, Calif. Miter box. 1,640,312; Aug. 23.
Denis, Albert P., Springfield, Mass. Towrope. 1,640,183; Aug. 23.
Denman, Rene E. (See Nichols, Leonard O., assignor.)
Denver Rock Drill Mfg. Company. (See Katterjohn, August H., assignor.
Des Rosiers, John A., Toronto, Ontario, Canada. Signal. 1,640,266; Aug. 23.
Detroit Stoker Company. (See Trotter, Walter F., assignor.)
Deviatkoff, Aready, San Francisco, Calif. Telephone relay. 1,640,267; Aug. 23.
Diamond Power Specialty Corporation. (See Thomas, Willis P., assignor.)
Dickey, Samuel J., and R. C. Wheeler, Los Angeles, Calif., assignors to General Petroleum Corporation of California. Purifying petroleum products. 1,639,988; Aug. 23.
Dickinson, John A., East Angus, Quebec, Canada. Pulp screen. 1,639,797; Aug. 23.
Dillenbach, Daniel S., Hastings, Nebr. Mail box. 1,640,268; Aug. 23.
Dimatos, Archie, and G. D. Michal, Sydney, New South Wales, Australia. Machine for washing table utensils. 1,640,114; Aug. 23.
Dimes, Richard Co. (See Dimes, Richard, jr., assignor.)
Dimes, Richard, jr., Everett, assignor to Richard Dimes Co., South Boston, Mass. Dish or analogous article. Des. 73,284; Aug. 23.
Directoplate Corporation. (See Koppe, Alexander T., assignor.)
Dominelli, Frank, Olean, N. Y. Wrench. 1,639,798; Aug. 23.
Dommer, Otto, Karlsruhe, Germany. Device for indicating and recording the specific gravity of gases. 1,640,313; Aug. 23.
Donegan, William W., Los Angeles, Calif. Automobile bumper and support. 1,640,145; Aug. 23.
Donegan, William W., Los Angeles, Calif. Combination automobile bumper and trunk rack. 1,640,146; Aug. 23.
Dongan Electric Manufacturing Co. (See Osborne, Robert L., assignor.)
Donnelly, Thomas H., Dover, N. H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tool for Knowles looms. 1,639,842; Aug. 23.
Dornbrook, Fred, Milwaukee, Wis., assignor to Riley Stoker Corporation, Worcester, Mass. Coal-feeding hopper. 1,639,931; Aug. 23.
Dow, Percival E. (See Bishop, B. S. T., and Dow.)
Dowrelio, Frank, Oakland, Calif. Brake tester. 1,639,884; Aug. 23.
Draper Corporation. (See McRae, George H., assignor.)
Drexler, Earl J., Chicago, Ill. Pipe-line strainer. 1,640,070; Aug. 23.
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser Corporation. High-potential condenser. 1,639,650; Aug. 23.

Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)
Duncan, George W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding tool. 1,639,688; Aug. 23.
Dunham, C. A., Company. (See Elge, Falten, assignor.)
Du Pont, E. I., de Nemours & Company. (See Steers, Newton I., assignor.)
Dustin, George E. (See Friend, O. A., and Dustin.)
Easom, R. C., et al. (See Nesmith, Samuel D., assignor.)
Eaton, Charles F., et al. (See Eaton, Malcolm H., assignor.)
Eaton, Ezra S., et al. (See Eaton, Malcolm H., assignor.)
Eaton, Malcolm H., Brookline, assignor of one-third to E. S. Eaton, Newton, and one-third to C. F. Eaton, Brookline, Mass. Device for handling cups and the like. 1,640,184; Aug. 23.
Eckenwiler, Cleo W. (See Whaley, M. H., and Eckenwiler.)
Economy Products Corporation. (See Voight, George F., assignor.)
Edwards, O. M., Company Inc., The. (See Axe, Roy T., assignor.)
Edwards, William K., Big Spring, Tex. Grip tester. 1,640,030; Aug. 23.
Eggiman, Alfred, and A. Perea, Paris, France. Coating process. 1,640,185; Aug. 23.
Elge, Falten, Toronto, Canada, assignor to C. A. Dunham Company, Marshalltown, Iowa. Bucket trap. 1,640,115; Aug. 23.
Electric Machinery Mfg. Company. (See Hibbard, Charles T., assignor.)
Electrical Engineers Equipment Company. (See Lotz, Alfred F. C., assignor.)
Elliott, Frank. (See McCullough, Charles H., assignor.)
Elliott, Jay W. (See Pfiffner, Frank J., assignor.)
Ellis, Wilson R., Berkeley, Calif. Agitator. 1,639,932; Aug. 23.
Ellison, Hubbard, London, Ontario, Canada. Wind rotor. 1,640,269; Aug. 23.
Elmore, Green R., Saline, Mo. Sweep hayrake. 1,640,031; Aug. 23.
Elphinstone, Alexander C., Orange, N. J. Sign. 1,639,689; Aug. 23.
Endsley, Louis E., Pittsburgh, Pa., assignor to Fort Pitt Mine Equipment Company. Car-transfer apparatus. 1,639,726; Aug. 23.
Erwin, Orlando R., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Fire-extinguishing apparatus. 1,640,116; Aug. 23.
Erwin, Orlando R., Forest Hills, assignor to Foamite-Childs Corporation, New York, N. Y. Pail extinguisher. 1,640,117; Aug. 23.
Evans, Charles T., Titusville, Pa. Alloy steel and making it. 1,639,989; Aug. 23.
Evans, Edwin R., Detroit, Mich. Internal-combustion engine. 1,639,762; Aug. 23.
Evans, William H., Bridgeport, Conn. Flexible ventilating hose. Re16,719; Aug. 23.
Everest, Ernest J. (See Ingram, W. C., and Everest.)
Ewald, Leo, Minneapolis, Minn. Filtering apparatus. 1,639,933; Aug. 23.
Ewen, John A., Brooklyn, N. Y. Pocket and pencil clasp. 1,639,651; Aug. 23.
Fairlie, Andrew M., Atlanta, Ga. Recovery of oxides of nitrogen in sulphuric-acid manufacture. Re16,709; Aug. 23.
Falck, Joseph E., assignor to National Casket Company, Incorporated, Pittsburgh, Pa. Burial casket. Des. 73,285; Aug. 23.
Fay, Joseph W., Villa Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming composite articles. 1,639,652; Aug. 23.
Fay, Joseph W., Villa Park, and C. Wales, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for welding metal strands. 1,639,653; Aug. 23.
Fedders, John M., Buffalo, and F. H. Stolp, Geneva, assignors to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Machine for preparing metal strips. 1,640,147; Aug. 23.
Fedders Manufacturing Company. (See Fedders, J. M., and Stolp, assignors.)
Feldkamp, Frederick A., Newark, N. J. Electric clock-winding mechanism. 1,639,990; Aug. 23.
Ferring, Anton W., Dubuque, Iowa. Sand mold. 1,639,934; Aug. 23.
Fiechter, John J., Willow Grove, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Buffing wheel. 1,640,032; Aug. 23.
Field, Edward A., jr. (See Field, Edward A. and E. A., jr.)
Field, Edward A. and E. A., jr., assignors to Field Engineering Company, Chicago, Ill. Valve-control mechanism. 1,639,935; Aug. 23.
Field Engineering Company. (See Field, Edward A. and E. A., jr., assignors.)
Finch, Harry D., Long Beach, Calif. Match container. 1,639,843; Aug. 23.
Finn, John, Mill Valley, Calif. Automobile armrest. Des. 73,286; Aug. 23.
First Wisconsin Trust Company, executor. (See Miller, Henry C.)
Fischer, Albert C., Chicago, Ill. Contraction expansion joint. 1,639,763; Aug. 23.
Fischer, Albert C., Chicago, Ill. Expansion joint. 1,639,764; Aug. 23.
Fisher, Harold A., Denver, Colo. Tee box. 1,639,765; Aug. 23.
Fisher, Harry L., Muscatine, Iowa. Fish lure. 1,639,766; Aug. 23.
Flori, Jules L., assignor of one-fourth to W. Hurdlebring, jr., and three-fourths to H. R. Fuerborn, St. Louis, Mo. Piston-ring compressor. 1,639,690; Aug. 23.
Flum, Robert A. (See Jandus, H. S., and Flum.)
Foamite-Childs Corporation. (See Erwin, Orlando R., assignor.)
Ford, Henry, Dearborn, Mich. Valve mechanism for internal-combustion engines. 1,640,118; Aug. 23.
Fort Pitt Mine Equipment Company. (See Endsley, Louis E., assignor.)
Fowler, Arno W., Collinsville, Ill. Clock winding mechanism. 1,639,691; Aug. 23.
Fowler, Charles R., and E. M. Roberts, Bulli, New South Wales, Australia. Electric accumulator for handlamps. 1,640,119; Aug. 23.
Fox, Austen H. (See Wright, John E., assignor.)
Fr. Hesser Maschinenfabrik-Aktiengesellschaft. (See Gangler, Paul, assignor.)
Franz, Charles H., jr., Milwaukee, Wis. Loose-leaf binder. 1,6400,071; Aug. 23.
Fraser, Malcolm E., and L. Schultz, Detroit, Mich. Aerial. 1,639,727; Aug. 23.
Freeman, Charles F., et al., trustees. (See Freeman, Louis G., assignor.)
Freeman, Horace, Vancouver, British Columbia, assignor of one-half to Canada Carbide Company, Limited, Montreal, Canada. Manufacture of alkali-metal sulphides. 1,640,314; Aug. 23.
Freeman, Horace, Shawinigan Falls, Quebec, assignor of one-half to Canada Carbine Company, Limited, Montreal, Canada. Manufacture of alkali-metal sulphides. 1,640,315; Aug. 23.
Freeman, Louis G., et al., trustees. (See Freeman, Louis G., assignor.)
Freeman, Louis G., assignor to L. G. and C. F. Freeman, trustees, Cincinnati, Ohio. Shank-beating and stitch-rubbing machine. Re16,710; Aug. 23.
French, Frederick W., Oakland, Calif. Demountable rim. 1,639,991; Aug. 23.
Friedman, Louis, New York, N. Y. Bow tie. 1,639,767; Aug. 23.
Friend, Otto A., New York, N. Y., and G. E. Dustin, Woodcliff, N. J., assignors to American Telephone and Telegraph Company. Automatic telephone system. 1,639,799; Aug. 23.
Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)
Fuerborn, Henry R., et al. (See Flori, Jules L., assignor.)
Fuller, Gla R., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Brake. 1,640,186; Aug. 23.
Furman, William R., Troy Mills, Iowa. Aviator's suit. 1,640,270; Aug. 23.
Gair, Robert, Company. (See Tinsley, Edward O., assignor.)
Gallagher, Arthur D., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. 1,639,768; Aug. 23.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Precision adjustment device. 1,639,885; Aug. 23.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 1,640,072; Aug. 23.
Gangler, Paul, Esslingen, assignor to Firm Fr. Hesser Maschinenfabrik-Aktiengesellschaft, Stuttgart-Canstatt, Germany. Closing bags. 1,640,316; Aug. 23.
Garrett, Richard M., Yonkers, assignor to Nestle's Food Company, New York, N. Y. Apparatus for condensing milk. 1,640,271; Aug. 23.
Gates, Elizabeth H., Los Angeles, Calif. Measuring instrument. 1,639,936; Aug. 23.
Gauthier, Ernest, Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Bearing. 1,639,692; Aug. 23.
Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Sanitary waste can. 1,639,992; Aug. 23.
Geiger, William A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,640,033; Aug. 23.
General Petroleum Corporation of California. (See Dickey, S. J., and Wheeler, assignors.)
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Geometric Tool Co., The. (See Strickland, Royce M., assignor.)
Gerlinger, Carl F., Dallas, Oreg. Spark consumer. 1,650,120; Aug. 23.
Gernandt Motor Corporation. (See Hay, John D., assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. (See Heegner, Kurt, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schaffer, Walter, assignor.)
Geurink, Bernard A., East Cleveland, Ohio. Gas burner and making same. 1,639,693; Aug. 23.

Gillick, Lawrence H., St. Paul, Minn., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible joint. 1,639,800; Aug. 23.
Gilman Fanfold Company. (See Bonnar, Henry O., assignor.)
Gilmont Products Corporation. (See Hopkins, Nevil M., assignor.)
Gilson, Lorenzo H., Brockton, Mass. Shoe-bottom construction. 1,639,769; Aug. 23.
Gilson, Lorenzo H., Brockton, Mass. Innersole-channel filler. 1,639,770; Aug. 23.
Gjankovich, Stanko, New York, N. Y. Spinning device. 1,639,844; Aug. 23.
Glaser, née Pietti, Cremensia, Paris, France. Protecting the gelatin coating of photographic plates and films. 1,640,148; Aug. 23.
Gleeson, William H., San Francisco, Calif. Copyholder. 1,640,121; Aug. 23.
Goertz, August, & Co. (See Bellingrath, August, assignor.)
Gold, Egbert H., Evanston, and E. A. Russell; said Russell assignor of his one-half to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible joint. 1,639,771; Aug. 23.
Gold, Egbert H., Evanston, and E. A. Russell; said Russell assignor of his one-half to Vapor Car Heating Company, Inc., Chicago, Ill. Suspension device for flexible joints. 1,639,772; Aug. 23.
Gologan, Dumitru, Newark, N. J. Protector means or guard for cigarette holders. 1,639,993; Aug. 23.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Gordon, Albert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Device to delay transmission of an indication of weft exhaustion. 1,639,845; Aug. 23.
Gordon, Bertland D., and W. H. E. Pearen, Medora, Manitoba, Canada. Automobile rim. 1,639,886; Aug. 23.
Gotham, Walter E., Elizabeth, N. J. Evaporable device. 1,640,272; Aug. 23.
Goulding, Benjamin J. J., assignor to Linotype and Machinery Limited, London, England. Washing lithographic printing surfaces. 1,640,235; Aug. 23.
Grand Rapids Metalcraft Corporation. (See De Boer, Rudolph, assignor.)
Grant, F. F., et al. (See Nesmith, Samuel D., assignor.)
Gray, Charles B., Philadelphia, Pa. Machine for cutting sheet-form material. 1,639,994; Aug. 23.
Gray, Emmet P., Detroit, Mich. Automobile heater cover. 1,640,187; Aug. 23.
Gray, Frederick O., Dayton, Ohio. Speed-controlling device for motor-driven vehicles. 1,640,149; Aug. 23.
Green, Matthew, Detroit, and H. H. Willard, Ann Arbor, assignors to Parker Rust-Proof Company, Detroit, Mich. Rustproofing and articles produced thereby. 1,639,694; Aug. 23.
Green, Samuel G., Gray, Ga. Tripod mount. 1,639,846; Aug. 23.
Greener, Joseph, New York, N. Y. Butter mold. 1,639,937; Aug. 23.
Greenman, Wolf, Brooklyn, N. Y. Metallic bedstead. 1,639,847; Aug. 23.
Gregory Furniture Mfg. Co. (See Wall, Thomas, assignor.)
Griswold Manufacturing Company. (See Massing, Charles A., assignor.)
Groehn, Otto J., and W. Blaskewitz, assignors to Clayton & Lambert Manufacturing Company, Detroit, Mich. Fire-pot construction. 1,639,938; Aug. 23.
Groene, William F., assignor to The R. K. Leblond Machine Tool Company, Cincinnati, Ohio. Tool feed for machine tools. 1,639,995; Aug. 23.
Groff, Sutten H., Long Beach, Calif. Diathermy knife. 1,639,996; Aug. 23.
Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Unidirectional current-carrying device. 1,640,335; Aug. 23.
Grothe, Henry, Le Sueur Center, Minn. Auger for post-holes and wells. 1,639,939; Aug. 23.
Grunbock, John F., assignor to Seattle Tent & Awning Co., Seattle, Wash. Weather guard for hatchways. 1,640,188; Aug. 23.
Guvia, Daniel L., Mexico, Mexico. Vehicle tire. 1,639,940; Aug. 23.
Haas, Clarence H., and L. J. Mitchell, Warren, Ohio. Steam boiler. 1,640,317; Aug. 23.
Haas, Philip, Dayton, Ohio. Inlet-valve mechanism. 1,639,997; Aug. 23.
Halais, Jean A., Paris, France. Seat with folding back. 1,640,273; Aug. 23.
Hall, George L., St. Petersburg, Fla. Porch swing. 1,640,274; Aug. 23.
Halsey, Norman W., assignor to Soap Feeder Corporation, New York, N. Y. Cleaning-material feeder for washing machines of the spray type. 1,640,318; Aug. 23.
Halsey, Norman W., assignor to Soap Feeder Corporation, New York, N. Y. Cleaning-material feeder for washing machines. 1,640,319; Aug. 23.
Hamlel, Dorman R., Columbus, Ohio. Lamp socket. 1,640,189; Aug. 23.
Hamilton, Francis F., Indianapolis, Ind. Box. Des. 73,287; Aug. 23.
Hamilton, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Two-way telephone transmission. 1,639,773; Aug. 23.
Hanel, Frans, Berlin, assignor to Fritz König & Co. Gesellschaft mit beschränkter Haftung, Magdeburg, Germany. Buffer for motor vehicles. 1,640,320; Aug. 23.
Hanson, Hans P., Cambridge, Minn. Heating apparatus. 1,639,941; Aug. 23.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,640,078; Aug. 23.
Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Platter-retaining device. 1,640,074; Aug. 23.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Induction electricity meter. 1,639,728; Aug. 23.
Harris, John E. G. (See Wylam, B., Harris, and Thomas.)
Harris, Joseph, Wheaton, assignor to W. H. Miner, Inc., Chicago, Ill. Draft-rigging-key retainer. 1,640,075; Aug. 23.
Harrison, James F., assignor to Chattanooga Bottle & Glass Manufacturing Company, Chattanooga, Tenn. Bottle. Des. 73,288; Aug. 23.
Hart, Peter H., San Jose, Calif. Tobacco-bag holder. 1,640,236; Aug. 23.
Hart, William C., Adelaide, South Australia, Australia. Formation of labels, symbols, and the like on glass containers. 1,640,076; Aug. 23.
Hartley, Paul J., et al. (See Nesmith, Samuel D., assignor.)
Hartzell, Earl F., Cuyahoga Falls, Ohio. Spring cover, spring sleeve, and lubricator. 1,639,942; Aug. 23.
Harvey, William A., Scranton, Pa. Portable regulatable lamp. 1,639,774; Aug. 23.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Counterbalanced side bearing. 1,640,034; Aug. 23.
Haseltine, Stacy B., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Combination door stop and catch device. 1,640,035; Aug. 23.
Hastings, Horace H., Quebec, Quebec, Canada. Apparatus for finishing tire tubes. 1,640,077; Aug. 23.
Hatch, Harvey G. (See White, W. O., and Hatch.)
Hatfield, Roy H., assignor of one-half to C. H. Murray, Lewiston, Idaho. Tire and rim tool. 1,639,887; Aug. 23.
Hawkins, Wilford J., Montclair, N. J. Thermostatic switch. 1,639,888; Aug. 23.
Hay, John D., South Bend, Ind., assignor to Gernandt Motor Corporation, Chicago, Ill. Engine. 1,639,848; Aug. 23.
Haseltine Corporation. (See Holborn, Frederick, assignor.)
Heberling, John, Rochester, N. Y. Pinwheel. 1,639,943; Aug. 23.
Heegner, Kurt, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for the regulation of the frequency in frequency changers. 1,639,695; Aug. 23.
Heeter, Charles M., Butler, Pa. Spudding wheel. 1,640,237; Aug. 23.
Heffernan, Patrick M., Moonlight, Palmerston South, New Zealand. Automatic tractor and plow hitch. 1,640,237; Aug. 23.
Heinson, Ernest T., Mountain Iron, assignor of ten per cent to T. H. Strisich, Hibbing, Minn. Waterless cooker. 1,640,190; Aug. 23.
Heinson, Ernest T., Mountain Iron, assignor of ten per cent to T. H. Strisich, Hibbing, Minn. Waterless cooker. 1,640,191; Aug. 23.
Heintz Manufacturing Company. (See Fiechter, John J., assignor.)
Heise, William H., Los Angeles, Calif. Stretcher. 1,639,801; Aug. 23.
Helsey, A. H., & Company. (See Coble, Ray C., assignor.)
Helge, Gustav, assignor of one-half to G. W. Nuneman, Brooklyn, N. Y. Window latch and draft plate. 1,639,849; Aug. 23.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo Ohio. Recording weighing scale. 1,640,078; Aug. 23.
Hem, Halvor W., assignor to Toledo Scale Company, Toledo, Ohio. Beam-locking device. 1,640,079; Aug. 23.
Henderson, A. E., Toronto, Ontario, Canada. Valve base for pneumatic tires. 1,639,998; Aug. 23.
Henigen, Harold A. (See Shrum, P. J., and Henigen.)
Henry, Leo L., and E. Hetherington, Cedar Rapids, Iowa. Child's teeter board. 1,640,150; Aug. 23.
Henry, William P., New York, N. Y. Bottle closure and making same. 1,640,192; Aug. 23.
Hetherington, Edwin. (See Henry, L. L., and Hetherington.)
Hibbard, Charles T., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Starting system for synchronous motors. 1,640,321; Aug. 23.
Hibbard, Charles T., assignor, by mesne assignments, to Electric Machinery Mfg. Company, Minneapolis, Minn., Starting synchronous motors. 1,640,322; Aug. 23.
Hibbard, Charles T., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Starting system for synchronous motors. 1,640,323; Aug. 23.

Hibbard, Charles T., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Electrically-operated valve. 1,640,324; Aug. 23.
Hickok, W. O., Mfg. Co., The. (See Broadmeyer, Albert, assignor.)
Hieb, Ellsworth J. (See Hieb, John H. and E. J.)
Hieb, John H. and E. J., Merrill, Wis. Shipping box or crate. 1,640,060; Aug. 23.
Hill, Chester N., Richmond, Ind. Seed-corn hanger. 1,639,729; Aug. 23.
Hill, Guy, Brooklyn, N. Y., and George H. Clark, Washington, D. C., assignors, by mesne assignments, to Radio Corporation of America. Changing wave lengths. 1,639,696; Aug. 23.
Hinds, Hubert, Springfield, Ill. Circuit breaker. 1,639,730; Aug. 23.
Hitchcock, George E., assignor of one-third to A. Alford, Flint, Mich. Automobile signal. 1,640,275; Aug. 23.
Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
Hoecker, Albert C., Collinsville, Ill. Packing ring for pistons. 1,640,151; Aug. 23.
Hoenisch, Earnest, Wausau, Wis. Hose protector. 1,640,276; Aug. 23.
Hoffman, Charles, Tuckahoe, assignor to Ward Baking Company, New York, N. Y. Making food products. 1,640,193; Aug. 23.
Hoffman, Louie F., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester. Needle feeler for looms. 1,639,850; Aug. 23.
Hoffman, Paul, La Grange, Ill., and J. B. Strong, Suffern, assignors to Ramapo Ajax Corporation, New York, N. Y. Safety locking device. 1,639,697; Aug. 23.
Hoge, Smith A., Rices Landing, Pa. Jar closure. 1,640,122; Aug. 23.
Hokanson, Otto A., and J. F. Koca, assignors to Woodstock Typewriter Company, Woodstock, Ill. Back spacer for typewriters. 1,640,123; Aug. 23.
Holborn, Frederick, Hoboken, assignor to Hazeltine Corporation, Jersey City, N. J. Electron-emitting cathode and preparing the same. 1,639,698; Aug. 23.
Hollfield, Alsae J., Mobile, Ala. Spring stabilizer. 1,639,944; Aug. 23.
Holland-Letz, John, assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding machine. Re16,713; Aug. 23.
Holley, Clarence M., Highland Park, Mich., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Thermostatically-controlled electric switch. 1,639,655; Aug. 23.
Hooven, Owens, Rentschler Company, The. (See Stuntz, John E., assignor.)
Hooven, Owens, Rentschler Company, The. (See Theile, George I., assignor.)
Hoover Company, The. (See Holley, Clarence M., assignor.)
Hoover, William C., assignor to The Norwalk Tire and Rubber Company, Norwalk, Conn. Tire. Des. 73,289; Aug. 23.
Hopkins, Nevil M., New York, N. Y., assignor, by mesne assignments, to Gilmont Products Corporation. Article of manufacture comprising container and contents therefor. 1,639,699; Aug. 23.
Hueckel, John T., Belleville, Ill. Oven-door mechanism. 1,640,036; Aug. 23.
Hughes, John A., Waco, Tex. Combination desk and file. 1,640,277; Aug. 23.
Humiston, John M., Berwyn, Ill. Installing ground pipes. 1,639,731; Aug. 23.
Humm, Joseph A., Elyria, Ohio. Combined tool and electric bulb. 1,639,889; Aug. 23.
Humphreys, Omar R., Omaha, Nebr. Sewer pipe. 1,639,999; Aug. 23.
Huntar, Felix, Hillside, N. J., assignor to American Can Company, New York, N. Y. Semiautomatic can-closing machine. 1,639,945; Aug. 23.
Hupp Motor Car Corporation. (See MacPherson, Earle S., assignor.)
Hurdlebring, William, jr., et al. (See Fiori, Jules L., assignor.)
Hurley, Joseph M., assignor to D. C. McClain, Minneapolis, Minn. Card holder. 1,639,946; Aug. 23.
Huron Industries, Inc. (See Rydner, Gustaf W., assignor.)
Industrial Appliance Company. (See Logan, John I., assignor.)
Ingram, William C., and E. J. Everest, Hackney Wick, London, England. Teat and valve for feeding bottles. 1,640,152; Aug. 23.
Jacobson, David L. (See Sperr, F. W., jr., and Jacobson.)
James, Charley, Corydon, Iowa. Corn planter. 1,640,238; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,300; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,308; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,309; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,318; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,319; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,320; Aug. 23.
Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,321; Aug. 23.
Jandus, Herbert S., and R. A. Flum, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,290; Aug. 23.
Jandus, Herbert S., and E. R. Kellor, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,292; Aug. 23.
Jandus, Herbert S., and E. R. Kellor, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,299; Aug. 23.
Jandus, Herbert S., and E. R. Kellor, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,314; Aug. 23.
Jandus, Herbert S., and E. R. Kellor, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,315; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,293; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,294; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,295; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,305; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,310; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,311; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,312; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,313; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,316; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,317; Aug. 23.
Jandus, Herbert S., and J. R. Morgan, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,322; Aug. 23.
Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,291; Aug. 23.
Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,297; Aug. 23.
Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,302; Aug. 23.
Jandus, Herbert S., and C. E. Rasmussen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for vehicle bumpers. Des. 73,306; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,296; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle Bumper. Des. 73,298; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,301; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Vehicle bumper. Des. 73,303; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Plate for vehicle bumpers. Des. 73,304; Aug. 23.
Jandus, Herbert S., and N. Van Husen, assignors to The C. G. Spring & Bumper Company, Detroit, Mich. Plate for vehicle bumpers. Des. 73,307; Aug. 23.
Janson, George W., Nutley, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Messenger-call circuits and switching apparatus therefor. 1,640,325; Aug. 23.
Jeffrey Manufacturing Company, The. (See Levin, Niles D., assignor.)
Jenkins, Charles F., Washington, D. C. Film-piercing spark unit. 1,639,775; Aug. 23.
Jerry-J., Inc. (See Cohen, Samuel H., assignor.)
Johanson, Adolph T., assignor to M. E. Page, jr., A. T. Johanson, and C. M. Page, Chicago, Ill., as trustees for Aaball Manufacturing Company. Air preheater for oil burners. 1,640,081; Aug. 23.
Johanson, Adolph T., et al., trustees. (See Johanson, Adolph T., assignor.)
Johnson, Alex, and J. A. Sidle, Helena, Mont. Key-ring holder. 1,640,278; Aug. 23.

Johnson, George A., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Surplus-water discharge system for locomotive tenders. 1,640,037; Aug. 23.
Johnson, George T., and H. W. Stertzbach, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Cast car-truck side frame. 1,639,782; Aug. 23.
Johnson, Halligan, assignor to Nudevice Company, Jacksonville, Fla. Passenger car for amusement rides. 1,640,038; Aug. 23.
Johnson, John E., assignor to The Speedaumatic Company, Chicago, Ill. Embossing machine. 1,639,733; Aug. 23.
Johnson, Oigard, et al. (See Peterman, Henry, assignor.)
Johnson, William, Council Bluffs, Iowa, assignor to J. W. Martin, Omaha, Nebr. Disappearing shoe-shining foot rest. 1,640,239; Aug. 23.
Jonasson, Carl V., and H. J. Beal, Portland, Oreg. Standing board. 1,640,326; Aug. 23.
Jones, Floyd P., Torrance, Calif. Gas anchor for oil wells. 1,639,734; Aug. 23.
Jones, Floyd P., Torrance, Calif. Adjustable beam hanger. 1,639,735; Aug. 23.
Jones, John T., assignor of one-half to F. G. Stephens, St. Louis, Mo. Smoke consumer. 1,639,736; Aug. 23.
Jones & Laughlin Steel Corporation. (See Bennett, John H., assignor.)
Jones, Norman and S., Bolton, England. Detaching roller of combing machines for combing cotton and other fibrous materials. 1,639,802; Aug. 23.
Jones, Stanley. (See Jones, Norman and S.)
Jonsson, Gustaf E., Halmstad, Sweden. Nut. lock. 1,639,803; Aug. 23.
Jufe, Fanule. (See Jufe, Joseph E., assignor.)
Jufe, Joseph E., assignor to F. Jufe, New York, N. Y. Safety apparatus for vehicles. 1,640,326; Aug. 23.
Justice, Ellis E., Charlotte, N. C. Tube-repairing attachment for automobiles. 1,640,327; Aug. 23.
Katterjohn, August H., Denver, Colo, assignor to The Denver Rock Drill Mfg. Company. Turbine-reversing mechanism. 1,640,082; Aug. 23.
Kay, Lloyd D., Los Angeles, Calif. Dual-tired truck wheel. 1,640,338; Aug. 23.
Kay, Lloyd D., Los Angeles, Calif. Dual-tired wheel. 1,640,339; Aug. 23.
Keating, Daniel A., assignor to The American Tube and Stamping Co., Bridgeport, Conn. Variable-speed rolling mill. 1,639,851; Aug. 23.
Keelor, Everett R. (See Jandus, H. S., and Keelor.)
Keller, Frederick A., New York, N. Y., assignor to Bright Star Battery Company. Battery cell. 1,640,039; Aug. 23.
Kellogg Switchboard and Supply Company. (See Potter, Earl F., assignor.)
Kelly, John F., Chicago, Ill., assignor, by mesne assignments, to Kelly Valve Company, Muskegon, Mich. Self-grinding valve. 1,640,040; Aug. 23.
Kelly, Leo I., Detroit, Mich. Generating plant. 1,639,737; Aug. 23.
Kelly Valve Company. (See Kelly, John F., assignor.)
Kelvin & Wilfrid O. White Company. (See White, W. O., and Hatch, assignors.)
Kendall, William G., Newark, N. J. Powder press. 1,640,000; Aug. 23.
Kersten, Jacob, Allegan, Mich. Sound-amplifying construction. 1,639,656; Aug. 23.
Kilner, Edgar, Manchester, England. Loom for weaving. 1,639,776; Aug. 23.
Kimball, A., Company. (See Moran, John G., assignor.)
King, Milford A., Los Angeles, Calif. Apparatus for sinking and cleaning oil and water wells. 1,639,852; Aug. 23.
King, Samuel, Carlingford, New South Wales, Australia. Jib-crane excavator. 1,640,124; Aug. 23.
Kirchen, Otto J., Lansing, Mich. Liquid-fuel burner. 1,640,240; Aug. 23.
Kirchen, Otto J., Lansing, Mich. Oil heater. 1,640,241; Aug. 23.
Kirkpatrick, Roy A., executor. (See Clark, Philippe L.)
Kislinger, Joseph B., assignor to M. B. Kislinger, New York, N. Y. Watch. Des. 73,323; Aug. 23.
Kislinger, Joseph B., assignor to M. B. Kislinger, New York, N. Y. Watch crystal. Des. 73,360; Aug. 23.
Kislinger, Joseph B., assignor to M. B. Kislinger, New York, N. Y. Watchcase. Des. 73,361; Aug. 23.
Kislinger, Joseph B., assignor to M. B. Kislinger, New York, N. Y. Locket. Des. 73,362; Aug. 23.
Kislinger, Marie B. (See Kislinger, Joseph B., assignor.)
Kitson Machine Shop. (See Woodward, John W., assignor.)
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Klink, Heber C., Toledo, Ohio. Instruction device for musical instruments. 1,640,125; Aug. 23.
Klinzing, August F., Milwaukee, Wis. Valve for animal drinking fountains. 1,640,194; Aug. 23.
Knab Corporation, The. (See Wilson, Sidney C., assignor.)
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,639,890; Aug. 23.
Knox, Luther L., Bellevue Borough, and W. H. Lewis, Pittsburgh, Pa. Portioning machine. 1,640,126; Aug. 23.
Koca, James F. (See Hokanson, O. A., and Koca.)
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Case-shift mechanism. 1,640,127; Aug. 23.
Koehring Company. (See Russell, Leslie A., assignor.)
Koffskey, George, New Orleans, La. Nautical instrument. 1,640,328; Aug. 23.
Kolbe, Viktor M., Berlin, Germany. Device for rendering advertisements luminous by the opening or closing of doors. 1,640,001; Aug. 23.
Kolstad, Ole O., Duluth, Minn. Mail box. 1,640,153; Aug. 23.
Kolstad, Ole O., Duluth, Minn. Mail box. 1,640,154; Aug. 23.
Kondolf, Henry E., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Tag and making same. 1,640,195; Aug. 23.
Kondolf, Henry E., New York, assignor to The Lox Seal Corporation, Brooklyn, N. Y. Tag. 1,640,196; Aug. 23.
König, Fritz, & Co. Gesellschaft mit beschränkter Haftung. (See Hanel, Franz, assignor.)
Koppe, Alexander T., assignor to Directoplate Corporation, Chicago, Ill. Machine for making press plates. 1,639,738; Aug. 23.
Koppers Company, The. (See Sperr, F. W., jr., and Jacobson, assignors.)
Kovanda, Louis P., Los Angeles, Calif. Expanding plug. 1,640,128; Aug. 23.
Kraus, Charles A., and C. C. Callis, Worcester, Mass., assignors to Standard Development Company. Making metallo-organic compounds. 1,639,947; Aug. 23.
Krause, Edwin. (See Krause, Hellmuth, assignor.)
Krause, Hellmuth, assignor of one-half to E. Krause, Schkeitbar, near Schkolen, Germany. Machine for gathering turnips. 1,640,041; Aug. 23.
Kronquest, Alfred L., Chicago, Ill., assignor to Continental Can Company, Syracuse, N. Y. Can-testing machine. 1,640,242; Aug. 23.
Kyles, Rudolph, Locust Ridge, La. Gate. 1,640,329; Aug. 23.
Ladd, George F., Forbes, N. Dak. Device for use in sorting and delivering mail. 1,640,083; Aug. 23.
Ladd, James B. (See Schultz, Edward, assignor.)
Lakhovsky, Georges, Paris, France. Diaphragm for telephonic apparatus. 1,640,330; Aug. 23.
Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Folding-blade adjustment mechanism. 1,639,948; Aug. 23.
Lamb, William G., assignor to National Safety Devices Company, Waterloo, Iowa. Signaling apparatus. 1,640,129; Aug. 23.
Lamb, William G., assignor to National Safety Devices Company, Waterloo, Iowa. Signaling apparatus. 1,640,180; Aug. 23.
Lambert, Cecil R., Company, The. (See Preble, Norman H., assignor.)
Lang, George H., assignor to Stover-Lang Company, Boston, Mass. Speed indicator. 1,640,197; Aug. 23.
Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Shoulder pad. 1,640,042; Aug. 23.
Latour Corporation. (See Latour, Marius, assignor.)
Latour, Marius, Paris, France, assignor to Latour Corporation, Jersey City, N. J. Speed regulator for high-frequency generating sets. 1,640,002; Aug. 23.
Laughlin, James B., Bradford, Pa. Heat retaining and distributing element. 1,639,739; Aug. 23.
Lautenschlager, William F., Cincinnati, Ohio, assignor to The Peerless Machinery Company, Boston, Mass. Gauge for perforating machines. 1,639,949; Aug. 23.
Lawler, James E., London, England. Ball cleaner. 1,639,740; Aug. 23.
Lawler, James J., Mount Vernon, N. Y. Thermostatic supply valve for steam radiators. 1,640,243; Aug. 23.
Leblond, R. K., Machine Tool Company, The. (See Groese, William F., assignor.)
Leckliter, Henry L., assignor of one-half to C. H. Tilden, Bakersfield, Calif. Utility rack. 1,640,279; Aug. 23.
Lee, Joseph. (See Vlisvig, Martin J., assignor.)
Leeper, Albert S., Kent, Wash. Engine brace. 1,639,950; Aug. 23.
Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Beverage-dispensing container. Des. 73,324; Aug. 23.
Leicht, John, jr., Burlington, Iowa. Bag holder. 1,640,084; Aug. 23.
Leidecker, John F., Alameda, Calif. Paper-towel dispenser. 1,640,043; Aug. 23.
Lelland-Gifford Company. (See Bishop, B. S. T., and Dow, assignors.)
Lesser, M. Sol. (See Vallat, André, assignor.)
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Dislodging mechanism. 1,639,741; Aug. 23.
Lewis, Felix, St. Petersburg, Fla. Hair-bobbing device. 1,639,804; Aug. 23.
Lewis, Oscar J., Canton, Ill. Cultivator attachment. 1,639,777; Aug. 23.
Lewis, Samuel R., Chicago, Ill. Heating and ventilating device. 1,640,331; Aug. 23.
Lewis, William H. (See Knox, L. L., and Lewis.)
Leystoffer, Richard, Gladbach, Germany. Commercial inscribing and recording machine. 1,640,003; Aug. 23.

Lickert, William J. (See Reedy, J. H., and Lickert.)
Linotype and Machinery Limited. (See Goulding, Benjamin J. J., assignor.)
Liptak Fire-Brick Arch Company. (See Strachota, Clarence A., assignor.)
Loan, Walter G. (See Norden, F. F., and Loan.)
Lobeck, Ingerinus E., Appam, N. Dak. Clothes basket. 1,640,280; Aug. 23.
Lobit, Jean M., Brooklyn, N. Y. Filter. 1,640,198; Aug. 23.
Locke, Ernest P., Boston, Mass. Window wiper. 1,639,778; Aug. 23.
Logan, Charles W., Kenmore, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Medallion for chandeliers. Des. 73,325; Aug. 23.
Logan, John I., assignor to Industrial Appliance Company, Chicago, Ill. Flour-maturing method and apparatus. 1,640,199; Aug. 23.
Lord, Francis L., Newark, N. J., assignor to The Lord Laboratories, Inc., New York, N. Y. Mounting means for radio receiving sets. 1,640,200; Aug. 23.
Lord Laboratories, Inc., The. (See Lord, Francis L., assignor.)
Lotz, Alfred F. C., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Rheostat. 1,639,951; Aug. 23.
Louzon, Duffey B. (See Shilling, C. S., and Louzon.)
Lovell Manufacturing Company. (See Rathers, John J., assignor.)
Low, Arthur B., Denver, Colo. Piston-ring spring packing. 1,640,155; Aug. 23.
Lox Seal Corporation, The. (See Kondolf, Henry E., assignor.)
Luckie, Alfred, and T. L. Mangum, Birmingham, Ala. Dial mechanism for automatic telephones. 1,639,891; Aug. 23.
Ludw. Loewe & Co., Actiengesellschaft. (See Peglow, Otto, assignor.)
Lundblad, Julius, Jelly, Calif. Fruit-picker's glove. 1,640,004; Aug. 23.
Lyon Metallic Manufacturing Company. (See Adler, John B., assignor.)
Maanum, Anton A., et al. (See Maanum, Dedrick A., assignor.)
Maanum, Dedrick A., assignor of one-fourth to A. A. Maanum and one-fourth to T. A. Maanum, Minneapolis, Minn. Valve for milk vats. 1,639,853; Aug. 23.
Maanum, Thor A., et al. (See Maanum, Dedrick A., assignor.)
MacBride, James A., Kearny, and A. E. Peyser, Perth Amboy, N. J. Machine for squeegeeing, mounting, and drying photographic prints. 1,640,131; Aug. 23.
MacCammond-Alexander Corporation. (See Boyle, Edward, assignor.)
MacPherson, Earle S., assignor to Hupp Motor Car Corporation, Detroit, Mich. Pump. 1,639,779; Aug. 23.
Madsen, Fred T., Forest Park, assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Service-observing apparatus for automatic telephone systems. 1,640,085; Aug. 23.
Magnus Fruit Products Co. (See Leibing, William E., assignor.)
Maier, Karl, assignor to Union Special Maschinenfabrik G. m. b. H., Stuttgart, Germany. Stitch-forming mechanism for sewing machines. 1,640,201; Aug. 23.
Mallory, Harry C., deceased, by S. R. Mallory, administratrix, Bellport, N. Y.; said Harry C. Mallory assignor, by mesne assignments, to American Radiator Company, Chicago, Ill. Expansible-collapsible element. 1,639,742; Aug. 23.
Mallory, Sue R., administratrix. (See Mallory, Harry C.)
Mangum, Tyler L. (See Luckie, A., and Mangum.)
Manley, Frederick T., Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Apparatus for the distillation of oil. 1,640,202; Aug. 23.
Mann, George, and Company Limited. (See Walters, George H., assignor.)
Mantle Engineering Company. (See Mantle, Gregory D., assignor.)
Mantle, Gregory D., assignor to Mantle Engineering Company, Pittsburgh, Pa. Glass furnace. 1,639,657; Aug. 23.
Marble, Charles C., Bradenton, Fla. Vulcanizer. 1,640,281; Aug. 23.
Markel Electric Products, Inc. (See Logan, Charles W., assignor.)
Markel Electric Products, Inc. (See Yokel, Frank, assignor.)
Marlewski, Albert, Chicago, Ill. Supporting bracket. 1,640,203; Aug. 23.
Marschalk, Charles H., Paris, France. Manufacture of perylene. 1,639,658; Aug. 23.
Marschelder, Karl, assignor to A. Borsig G. m. b. H., Berlin-Tegel, Germany. Valve. 1,639,743; Aug. 23.
Marsh, Howard E., Lompoc, Calif. Self-feeding carburetor. 1,640,044; Aug. 23.
Marshalltown Sheet Metal Works. (See Bettenga, Creno P., assignor.)
Marten, Henry F. (See Andresen, J. C., and Marten.)
Martin, Glenn L. (See McCullough, Frederick S., assignor.)
Martin, James W. (See Johnson, William, assignor.)
Martin, Wallace I., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for assembling parts or elements of fabricated articles. 1,639,700; Aug. 23.
Martini, Biagio, Pittsburgh, Pa. Railway switching device. 1,640,204; Aug. 23.
Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
Massing, Charles A., Millcreek Township, Erie County, assignor to The Griswold Manufacturing Company, Erie, Pa. Metal baking pan. Des. 73,326; Aug. 23.
Master Metal Products, Inc. (See Gelbel, John F., assignor.)
Mather & Platt Limited. (See Taylor, John, assignor.)
Matthews, Jas. H. & Co. (See Matthews, James H., assignor.)
Matthews, James H., assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Embossing. Re16,718; Aug. 23.
Matson, Marcus B., New York, N. Y. Automatic safety appliance for gas burners. 1,640,045; Aug. 23.
Mayoza, Nathan R., Memphis, Tenn. Multiple plural switch. 1,639,952; Aug. 23.
McArdle, Michael W., Chicago, Ill. Sprinkler. Des. 73,327; Aug. 23.
McBerty, Fred P., Warren, Ohio. Electric welding apparatus. 1,640,244; Aug. 23.
McBride, Samuel H., Siloam Springs, Ark. Meat tenderer. 1,639,854; Aug. 23.
McClain, Douglas C. (See Hurley, Joseph M., assignor.)
McClelland, William H., Huntingdon, assignor to Davis Brick Machinery Company, Mount Union, Pa. Hopper latch. 1,639,855; Aug. 23.
McCullough, Charles H., Visalia, assignor of one-half to F. Elliott, Orosi, Calif. Motor-control mechanism. 1,640,086; Aug. 23.
McCullough, Frederick S., assignor to G. L. Martin, Cleveland, Ohio. Radio apparatus. 1,639,805; Aug. 23.
McFarland, Frank, Mexico, Mo. Alleviator for hydraulic apparatus. 1,640,046; Aug. 23.
McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Tractor skidder. 1,639,806; Aug. 23.
McMillan, John L., Syracuse, N. Y. Loose-leaf binder. 1,640,087; Aug. 23.
McRae, George H., Manchester, Ga., assignor to Draper Corporation, Hopedale, Mass. Filling attachment for looms. 1,639,659; Aug. 23.
Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermostatic oven-heat regulator. 1,640,245; Aug. 23.
Meehan, Charles W., Pittsburgh, Pa. Lamp. 1,639,701; Aug. 23.
Megown, Charles C., Los Angeles, Calif. Sun visor for motor vehicles. 1,640,088; Aug. 23.
Meister, E. G. K., et al. (See Stranszky, Emil, assignor.)
Metals Recovery Company. (See Sayre, Ralph E., assignor.)
Michal, Gregory D. (See Dimatos, A., and Michal.)
Migliaccio, Arnold, Brooklyn, N. Y. Electrical flag. 1,640,282; Aug. 23.
Miller, Frank E., Boston, Mass. Condiment shaker. 1,640,005; Aug. 23.
Miller, Henry C., Waterford, N. Y. Forming stitched buttonholes. 1,640,283; Aug. 23.
Miller, Henry C., deceased; First Wisconsin Trust Company, Milwaukee, Wis., executor. Sheet inserter. 1,640,132; Aug. 23.
Miller, Peter J. O., Peoria, Ill. Steam generator. 1,639,953; Aug. 23.
Miner, W. H., Inc. (See Brenne, Arild M., assignor.)
Miner, W. H., Inc. (See Geiger, William A., assignor.)
Miner, W. H., Inc. (See Harris, Joseph, assignor.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Johnson, George A., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Misch, Augustus, New York, N. Y. Oil burner. 1,639,744; Aug. 23.
Mitchell, Arthur L., Dallas, Tex. Two-way drain valve. 1,639,954; Aug. 23.
Mitchell, Lewis J. (See Haas, C. H., and Mitchell.)
Mitchell, Lewis J., Warren, Ohio. Water heater or boiler. 1,640,284; Aug. 23.
Moonlight Bait Company. (See Sinclair, C. C., and Phelps, assignors.)
Moorhouse, Alfred, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,639,892; Aug. 23.
Moran, John G., Brooklyn, assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,640,006; Aug. 23.
Moravec, John, Vancouver, British Columbia, Canada. Paper-making machine. 1,640,007; Aug. 23.
Morgan, John R. (See Jandus, H. S., and Morgan.)
Mortka, John, Poughkeepsie, N. Y. Sanitary-toilet-seat-paper-vending machine. 1,640,285; Aug. 23.
Mucci, Frank, New York, N. Y. Toy. Des. 73,328; Aug. 23.
Muir, Wellington W., Lockport, N. Y. Cooling internal-combustion engines. 1,639,745; Aug. 23.
Mulholland, John, Whitley Bay, England. Incandescent gas fire. 1,639,780; Aug. 23.
Müller, Otto A., Ambler, Pa. Plant support. 1,639,781; Aug. 23.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Soldering machine. 1,639,955; Aug. 23.

Murphy, Cornelius G., Long Beach, Calif. Miner's hand tool. 1,640,089; Aug. 23.
Murray, Charles H. (See Hatfield, Roy H., assignor.)
Murray, Frank, Los Angeles, Calif. Newspaper-core-stripping machine. 1,640,090; Aug. 23.
Murray, John G. S., the Duke of Atholl, Dunkeld, Scotland. Building construction. 1,640,091; Aug. 23.
Murray, John J., Yonkers, N. Y. Booklet. 1,640,246; Aug. 23.
Murray, Joseph F., and J. Smith, Mayfield, Pa. Composition for preventing the accumulation of raindrops on windows. 1,640,092; Aug. 23.
Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See de Jong, Hendrik, assignor.)
Nash Engineering Company. (See Wright, George B., assignor.)
Nash, James O., Duke, Okla. Pump. 1,639,956; Aug. 23.
National Casket Company. (See Falck, Joseph E., assignor.)
National Graphite Lubrication Company. (See Watres, Lewis S., assignor.)
National Lock Washer Company, The. (See Armstrong, John L., assignor.)
National Safety Devices Company. (See Lamb, William G., assignor.)
National Standard Threadless Coupling Corporation. (See Schawrow, Ralph, assignor.)
Nations, Samuel O., Snyder, Tex. Casing for computing devices. Des. 73,329; Aug. 23.
Naunton, William J. S. (See Cronshaw, C. J. T., and Naunton.)
Neidich, Samuel A., Edgewater Park, N. J. Ink-ribbon stop mechanism. 1,639,746; Aug. 23.
Nelson, Arthur A., assignor of one-fourth to L. Palmer, Burlington, Iowa. Door-control means. 1,639,747; Aug. 23.
Nelson, Charles S., assignor to M. L. Bruce, Sandpoint, Idaho. Turning device. 1,639,856; Aug. 23.
Nelson, Karl O., and H. J. Nunnemacher, Milwaukee, Wis. Two-way valve. 1,640,093; Aug. 23.
Nesmith, Samuel D., et al. (See Nesmith, Samuel D., assignor.)
Nesmith, Samuel D., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. K. Osborn, J. H. Bulmer, and Mrs M. E. Nesmith, San Diego, Calif., R. Welles and R. R. Richardson, U. S. Navy, E. J. Callahan, Guadalajara, Mexico, and G. H. Schmidt, W. C. Stitt, F. F. Grant, H. M. Sammis, P. J. Hartley, and R. C. Easom. Electric water heater. Re16,715; Aug. 23.
Nesmith, Samuel D., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. K. Osborn, J. H. Bulmer, and Mrs. M. E. Nesmith, San Diego, Calif., R. Welles, and R. R. Richardson, U. S. Navy, E. J. Callahan, Guadalajara, Mexico, and G. H. Schmidt, W. C. Stitt, F. F. Grant, H. M. Sammis, P. J. Hartley, and R. C. Easom. Electric water heater. Re16,716; Aug. 23.
Nesmith, Samuel D., assignor of part interest to A. S. Bridges, J. B. Osborn, Mrs. K. Osborn, J. H. Bulmer, and Mrs. M. E. Nesmith, San Diego, Calif., R. Welles, and R. R. Richardson, U. S. Navy, E. J. Callahan, Guadalajara, Mexico, and G. H. Schmidt, W. C. Stitt, F. F. Grant, H. M. Sammis, P. J. Hartley, and R. C. Easom. Electric water heater. 1,640,047; Aug. 23.
Nesmith, Samuel D., San Diego, Calif., assignor of part interest to G. H. Schmidt, W. C. Stitt, F. F. Grant, H. M. Sammis, P. J. Hartley, and R. C. Easom. Electrically-operated water heater. 1,640,048; Aug. 23.
Nesmith, Samuel D., San Diego, Calif., assignor of part interest to G. H. Schmidt, W. C. Stitt, F. F. Grant, H. M. Sammis, P. J. Hartley, and R. C. Easom. Electrically-operated water heater or boiler for heating purposes. 1,640,049; Aug. 23.
Nestle's Food Company. (See Garrett, Richard M., assignor.)
Neumeyer, Albert E., Morris, Okla. Tubing cleaner. 1,639,660; Aug. 23.
Neuschotz, Robert A., New York, N. Y. Signaling mechanism. 1,640,286; Aug. 23.
Neusser, Peter, Aachen, Germany. Heater. 1,640,287; Aug. 23.
Neuzil, Emil S., Chicago, Ill. Game or puzzle. 1,639,893; Aug. 23.
Neuzil, Emil S., Chicago, Ill. Game or puzzle. 1,639,894; Aug. 23.
Newcomb, Alconzo D., Whitman, assignor to North Land Cedar Chest Company, Acushnet, Mass. Fastening device for sealed containers. 1,639,661; Aug. 23.
New Idea Spreader Co. (See Oppenheim, T. H., and Selhorst, assignors.)
Nicholas, William, assignor to The Black Rock Manufacturing Company, Bridgeport, Conn. Rubber-tube trimming, wrapping, and rolling machine. 1,640,050; Aug. 23.
Nichols, Leonard O., assignor to R. E. Denman, Kansas City, Mo. Combination pin and clasp. 1,640,205; Aug. 23.
Nicholson, Clara S. (See Nicholson, Joshua B. and C. S.)
Nicholson, Joshua B. and C. S., Washington, D. C. Non-glare headlight. 1,640,288; Aug. 23.
Niles, Frederick H., Brooklyn, N. Y. Artificial denture. 1,639,782; Aug. 23.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 73,330; Aug. 23.
Norden, Folke F., Brooklyn, and W. G. Loan, St. George, N. Y. Legging. 1,639,783; Aug. 23.
Norma-Hoffmann Bearings Corporation. (See Bott, George R., assignor.)
Norris, Robert W., Birmingham, Ala. Combined signal-lamp casing. 1,640,008; Aug. 23.
North, Clayton O., Tallmadge Township, Summit County, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Manufacture of aldehyde reaction products of the aldehyde derivative of a Schiff's base. 1,639,957; Aug. 23.
North Land Cedar Chest Company. (See Newcomb, Alconso D., assignor.)
Northwestern Collapsible Carrier Co. (See Woolsey, C. A., and Bowman, assignors.)
Norton, Charles H., Worcester, Mass., assignor, by mesne assignments, to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Centerless grinding machine. 1,639,958; Aug. 23.
Norwalk Tire and Rubber Company, The. (See Hoover, William C., assignor.)
Nosan, Anton, Cleveland, Ohio. Altitude gauge for use on aircraft, etc. 1,640,051; Aug. 23.
Nudevice Company. (See Johnson, Halligan, assignor.)
Nuneman, George W. (See Helge, Gustav, assignor.)
Nunnemacher, Henry J. (See Nelson, K. O., and Nunnemacher.)
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,640,206; Aug. 23.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,640,207; Aug. 23.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Antifriction bearing. 1,640,208; Aug. 23.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Shock-absorbing mechanism. 1,640,209; Aug. 23.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,640,210; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,211; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,212; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator-car-door-operating mechanism. 1,640,213; Aug. 23.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,214; Aug. 23.
O'Dowd, Henry W., Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md. Water heater. 1,639,748; Aug. 23.
Ohio Brass Company, The. (See Averill, Rex G., assignor.)
Ohio Foundry and Manufacturing Co. (See Sharp, William L., assignor.)
Oliver Chilled Plow Works. (See Gallagher, Arthur D., assignor.)
Olofsson, Bror L., and R. E. Peterson, Dorchester, Mass. Valve. 1,640,247; Aug. 23.
Olsen, Andrew, jr., San Francisco, Calif. Candy package. 1,640,052; Aug. 23.
O'Neill, Wallace H., Hazleton, Pa. Cloth gauge. Re16,720; Aug. 23.
Oppenheim, Theodore H., and B. Selhorst, assignors to New Idea Spreader Co., Coldwater, Ohio. Cutter head. 1,639,807; Aug. 23.
Oppenheim, Theodore H., and B. Selhorst, assignors to New Idea Spreader Co., Coldwater, Ohio. Conveyer. 1,639,808; Aug. 23.
Orling, Axel. (See Creed, F. G., and Orling.)
Osborn, J. B., et al. (See Nesmith, Samuel D., assignor.)
Osborn, Mrs. Kathryn, et al. (See Nesmith, Samuel D., assignor.)
Osborne, Robert L., Mount Clemens, assignor to Dongan Electric Manufacturing Co., Detroit, Mich. Transformer. 1,639,662; Aug. 23.
Owen, Ira J., assignor, by mesne assignments, to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Electric suction sweeper. 1,639,959; Aug. 23.
Oyama, Senzo, Hilo, Hawaii. Pasteurizing apparatus. 1,640,289; Aug. 23.
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Packard Motor Car Company. (See Moorhouse, Alfred, assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Packer, John M. (See Williams, Henry G., assignor.)
Page, Christopher M., et al., trustees. (See Johanson, Adolph T., assignor.)
Page, Milton E., jr., et al., trustee. (See Johanson, Adolph T., assignor.)

Palka, Andrew, Detroit, Mich. Radiator. Des. 73,331; Aug. 23.
Palmer, Luke. (See Nelson, Arthur A., assignor.)
Parker, Howard, Berlin, N. H., assignor to Brown Company, Portland, Me. Apparatus for handling pulp tubes or the like. 1,640,133; Aug. 23.
Parker Rust-Proof Company. (See Green, M., and Willard, assignors.)
Parr, George T., St. Paul, Minn., assignor to Parr Pie Company. Ice-cream scoop. 1,639,809; Aug. 23.
Parr Pie Company. (See Parr, George T., assignor.)
Pascal, Charles, Montreal, Quebec, Canada. Anticreeping joint. 1,639,960; Aug. 23.
Pearen, William H. E. (See Gordon, B. D., and Pearen.)
Peerless Husker Company. (See Sells, Millar W., assignor.)
Peerless Machinery Company, The. (See Lautenschlager, William F., assignor.)
Peglow, Otto, assignor to Ludw. Loewe & Co. Actiengesellschaft, Berlin, Germany. Measuring tool for screw threads. 1,640,215; Aug. 23.
Pengilly, Lewis, Oakland, Calif. Combination cigarette holder, dispenser, and lighter. Des. 73,332; Aug. 23.
Pepin, Emery, Santa Barbara, Calif. Gas heater. 1,640,248; Aug. 23.
Perea, Albino. (See Eggiman, A., and Perea.)
Périsset, Jean E., surnamed Emmanuel Périsset, Chatillon-sous-Bagneux, France. Magneto. 1,640,290; Aug. 23.
Perkins, Ralph D., Kenosha, Wis. Carburetor. 1,640,291; Aug. 23.
Perl, John. (See Smith, A. D., and Perl.)
Perry, Charles H., Miami, Fla. Apparatus for filtering and purifying liquids. 1,640,249; Aug. 23.
Peterman, Henry, assignor of one-third to C. Statler and one-third to O. Johnson, Wallace, Idaho. Sugar bowl. 1,640,156; Aug. 23.
Petersen, Peter C., assignor to Viking Pump Company, Cedar Falls, Iowa. Self-metering rotary pump. 1,639,961; Aug. 23.
Peterson, Rudolph E. (See Olofsson, B. L., and Peterson.)
Petrick, Frank F., Wilsonville, Nebr. Hog waterer. 1,640,292; Aug. 23.
Pettit, George A. (See Sutter, C., and Pettit.)
Peyser, Alfred E. (See MacBride, J. A., and Peyser.)
Pfaffner, Frank J., Joliet, Ill., assignor of one-half to J. W. Elliott, Minneapolis, Minn. Erecting machine for wall boards. 1,639,962; Aug. 23.
Pfinger, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive structure. 1,639,663; Aug. 23.
Pfager, Harry M., St. Louis, Mo., assignor to Commonwealth Steel Company, Granite City, Ill. Locomotive. 1,639,664; Aug. 23.
Phelps, Floyd A. (See Sinclair, C. C., and Phelps.)
Pierce, Clarence A., Lowell, Mass. Oiling traveler of spinning frames. 1,639,749; Aug. 23.
Piers, Arthur S. (See Reid, Percy H., assignor.)
Pilliod, Thomas J., Swanton, Ohio. Vanity chest. 1,639,963; Aug. 23.
Pilliod, Thomas J., Swanton, Ohio. Cabinet. 1,639,964; Aug. 23.
Pitt, Guy L., Rocky Mount, N. C. Automobile jack. 1,640,293; Aug. 23.
Planski, William, Kellogg, Idaho. Bottle cooler. 1,639,857; Aug. 23.
Plympton, Frederic K., Wellesley, Mass., assignor, by mesne assignments, to N. D. Plympton, Brewster, N. Y. Bottle closure and the like. 1,640,009; Aug. 23.
Plympton, Naomi D. (See Plympton, Frederic K., assignor.)
Poeter, Edward. (See Poeter, Ernest B. and E.)
Poeter, Ernest B. and E., Irvington, N. J. Hand-bag frame. Des. 73,333; Aug. 23.
Porak, Waldemar, Vienna, Austria. Moving-picture projecting or peeping appliance. 1,639,702; Aug. 23.
Porsche, Ferdinand, Stuttgart-Unterturkheim, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Berlin, Germany. Charging device for combustion machines. 1,639,784; Aug. 23.
Portman, Frank A., Chicago, Ill. Merchandise-display box. 1,639,750; Aug. 23.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Door hanger. 1,640,250; Aug. 23.
Potter, Arthur C., Grantham, England. Deep-well pumping installation and the like. 1,639,703; Aug. 23.
Potter, Earl F., Glencoe, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Plug. 1,639,858; Aug. 23.
Poumay, Adolphe, Jambes-lez Namur, Belgium. Cupola furnace. 1,640,251; Aug. 23.
Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers Limited, Westminster, England. Depth charge and like submarine explosive body. 1,639,665; Aug. 23.
Pratt, Hartley B., Barrow-in-Furness, assignor to Vickers Limited, London, England. Depth-setting gear for submarine mines. 1,639,810; Aug. 23.
Preble, Norman H., assignor to The Cecil R. Lambert Company, Inc., Detroit, Mich. Conveying apparatus. 1,639,751; Aug. 23.
Price, Edward W., Warren, Ohio. Rail joint. 1,639,859; Aug. 23.
Price, Wortley H. and H. G. Blumberg, San Antonio, Tex. Alarm system. 1,640,294; Aug. 23.
Priest, Walter F., Somerville, assignor to The Ashton Valve Company, Cambridge, Mass. Alarm gauge. 1,639,965; Aug. 23.
Prosperity Company, The. (See Braun, Aquila R., assignor.)
Prosperity Company, The. (See Daly, Joseph P., assignor.)
Raber, August, Evansville, Ind. Center finder for shafts. 1,640,295; Aug. 23.
Radio Corporation of America. (See Hill, G., and Clark, assignors.)
Radio Corporation of America. (See Ranger, Richard H., assignor.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Radke, Theodore J., Oak Park, Ill. Valve-controlling mechanism for water heaters. 1,639,666; Aug. 23.
Rae, Frank B., jr., et al. (See Stranszky, Emil, assignor.)
Ragona, Vincent, assignor, by mesne assignments, to Cary Manufacturing Co., Brooklyn, N. Y. Machine for making divergent fasteners. 1,639,895; Aug. 23.
Ragona, Vincent, assignor to Cary Manufacturing Co., Brooklyn, N. Y. Package-binding implement. 1,639,896; Aug. 23.
Ramapo Ajax Corporation. (See Hoffman, P., and Strong, assignors.)
Ranger, Richard H., Brooklyn, N. Y., assignor to Radio Corporation of America. Radio position finding. 1,639,667; Aug. 23.
Raper, Charles E. (See Raper, Edward H. and C. E.)
Raper, Edward H., Mapleton, Iowa, and C. E. Raper, Sheridan, Wyo. Ventilating closet. 1,639,966; Aug. 23.
Rasmussen, Charles E. (See Jandus, H. S., and Rasmussen.)
Rathers, John J., assignor to Lovell Manufacturing Company, Erie, Pa. Wringer roll and making the same. 1,640,216; Aug. 23.
Rathjen, Lillian K. (See Rathjen, William L. and L. K.)
Rathjen, William L. and L. K., Oakland, Calif. Hot-air device. 1,639,897; Aug. 23.
Rawlings Manufacturing Company. (See Latina, Harry B., assignor.)
Raymond, Joseph F., Surrey Hills, Melbourne, Victoria, Australia. Tool for weeding, cultivating, and like purposes. 1,640,094; Aug. 23.
Reader, Edward C., Cleveland, Ohio. Drying apparatus. 1,639,967; Aug. 23.
Reedy, John H., Hamilton, and W. J. Lickert, Cincinnati, Ohio. Soot blower. Re16,714; Aug. 23.
Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,639,811; Aug. 23.
Regal Silver Mfg. Co., The. (See Danks, R. L., and Baker, assignors.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Running-gear structure for vehicles. 1,640,217; Aug. 23.
Reid, Percy H., assignor of one-half to A. S. Piers, Montreal, Quebec, Canada. Internal-combustion engine. 1,639,898; Aug. 23.
Rembrandt Lamp Corporation. (See Rothbart, Max, assignor.)
Rhoads, John R., Boyertown, Pa. Automobile headlight wrench. 1,640,296; Aug. 23.
Rhodes, Arthur and C., Keighley, England. Doffing mechanism for spinning, doubling, twisting, and like machines. 1,639,968; Aug. 23.
Rhodes, Clifford. (See Rhodes, Arthur and C.)
Riach, Henry J., assignor to G. Waldref, St. Paul, Minn. Power take-off device. 1,639,812; Aug. 23.
Rice, William C., Holden, Mo. Dustpan. 1,639,899; Aug. 23.
Richards, David R., St. Louis, Mo. Rail joint. 1,639,969; Aug. 23.
Richardson Ball Bearing Skate Company. (See Salberg, Gustave R., assignor.)
Richardson, R. R., et al. (See Nesmith, Samuel D., assignor.)
Richardson, Rodney G., Chicago, and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Party-line automatic telephone system. 1,640,157; Aug. 23.
Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Bleaching cellulosic material. 1,639,704; Aug. 23.
Riddle, Daniel W., Maywood, Calif. Truck stake and mounting therefor. 1,639,970; Aug. 23.
Riker, Andrew L., Fairfield, Conn. Constant compression internal-combustion engine. Re16,711; Aug. 23.
Riley Stoker Corporation. (See Dornbrook, Fred, assignor.)
Rixer, Darl A., assignor of one-half to E. F. Stella, Los Angeles, Calif. Refrigerator. 1,640,252; Aug. 23.
Roberts, Edric M. (See Fowler, C. R., and Roberts.)
Robinson, Herbert W., West Bromwich, England. Manufacture of match-striking compositions. 1,640,224; Aug. 23.
Robinson, Lulu H., Dallas, Tex. Vertical adjuster for shade and curtain hangers. 1,639,668; Aug. 23.
Roesch, George E., Pittsburgh, Pa. Automatic lightning switch for radios. 1,640,253; Aug. 23.
Rogers, Florence, Lakewood, N. J. Wheel or tire handling apparatus. 1,640,297; Aug. 23.

Rogers, William M., New York, N. Y. Nonrefillable-bottle cap. 1,640,095; Aug. 23.
Rosenblatt, Isidor, New York, N. Y. Body for lanterns or articles of similar nature. Des. 73,334; Aug. 23.
Rosenstein, Paul, Berlin, Germany. Observation instrument. 1,640,096; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,335; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,336; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,337; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,338; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,339; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,340; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,341; Aug. 23.
Rothbart, Max, assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. Des. 73,342; Aug. 23.
Rubber Service Laboratories Co., The. (See North, Clayton O., assignor.)
Rubber Service Laboratories Co., The. (See Scott, Winfield, assignor.)
Russell, Edward A. (See Gold, E. H., and Russell.)
Russell, Leslie A., assignor to Koehring Company, Milwaukee, Wis. Power shovel. 1,639,752; Aug. 23.
Rutz, Frank C., Rockford, Ill. Brake device for railway cars. 1,639,669; Aug. 23.
Rydner, Gustaf W., assignor to Huron Industries, Inc., Alpena, Mich. Air vent for transmission unit. 1,639,670; Aug. 23.
Saenger, Carl, Irvington, N. J. Socket for radio vacuum tubes. 1,639,971; Aug. 23.
Salberg, Gustave R., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill. Roller skate. 1,640,134; Aug. 23.
Salisbury, Frank C., Cleveland, Ohio. Steam hair curler. 1,639,900; Aug. 23.
Sallee, Robert A., Port Richmond, Calif. Gate. 1,640,135; Aug. 23.
Sammis, H. M., et al. (See Nesmith, Samuel D., assignor.)
Sampson, Maurice H., Chicago, Ill. Organ relay. 1,639,901; Aug. 23.
Sartig, Johannes, Berlin-Zehlendorf, Germany. Tobacco-denicotining process and apparatus. 1,640,298; Aug. 23.
Sauvage, Herbert J., assignor, by mesne assignments, to the trustees of Electro Thermostatic Control Company, Chicago, Ill. Thermostatic appliance. 1,639,902; Aug. 23.
Sayre, Ralph E., New Rochelle, assignor to Metals Recovery Company, New York, N. Y. Concentration of ores. 1,640,218; Aug. 23.
Scales, Edgar F., Danville, Va. Automatic alarm for satchels. 1,640,254; Aug. 23.
Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Vacuum-tube oscillator. 1,639,671; Aug. 23.
Schawrow, Ralph, Bayonne, N. J., assignor to National Standard Threadless Coupling Corporation, Rockaway Park, N. Y. Hose coupling. 1,639,813; Aug. 23.
Schlepp, Morris, New York, N. Y. Lighting-fixture rosette. Des. 73,343; Aug. 23.
Schmidt, George H., et al. (See Nesmith, Samuel D., assignor.)
Schmiedeknecht, Victor E., Louisville, Ky. Bath appliance. 1,639,705; Aug. 23.
Schmitt, Frank R., New York, N. Y. Machine for coating labels, etc., with adhesive or a similar substance. 1,640,219; Aug. 23.
Schnieber, Anna M. S., Copenhagen, Denmark. Stocking and sock. 1,640,255; Aug. 23.
Schoenegg, Anton A., San Francisco, Calif. Rice separator. 1,640,010; Aug. 23.
Schonhoff, John H., Advance, Mo. Mower-pitman connection. 1,640,053; Aug. 23.
Schraysshuen, Carl, assignor to Speidel Chain Co., Providence, R. I. Display card. 1,639,672; Aug. 23.
Schultz, Edward, Chicago, Ill., assignor to J. B. Ladd, Des Moines, Iowa. Caster wheel. 1,639,840; Aug. 23.
Schultz, Louis. (See Fraser, M. E., and Schultz.)
Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Radiator cap. Des. 73,344; Aug. 23.
Schur, Milton O. (See Richter, G. A., and Schur.)
Schwab, John, jr., Winnipeg, Manitoba, Canada. Making a rubber composition for lining tubes and using the same. 1,639,861; Aug. 23.
Scott, Henry M. (See Wheeler, J. H., and Scott.)
Scott, Winfield, assignor to The Rubber Service Laboratories Co., Akron, Ohio. Accelerating the vulcanization of rubber. 1,639,902; Aug. 23.
Scottish Dyes, Limited. (See Wylam, B., Harris, and Thomas, assignors.)
Seattle Tent & Awning Co. (See Grunbock, John F., assignor.)
Seeley, George A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for braiding. 1,639,673; Aug. 23.
Self-Feeding Vaporizer Corporation. (See Berdon, Albert E., assignor.)
Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
Sells, Millar W., assignor to Peerless Husker Company, Inc., Buffalo, N. Y. Machine for handling and treating corn. 1,639,706; Aug. 23.
Sennett, John H., Woodlawn, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Pipe-welding plant. 1,640,220; Aug. 23.
Sepúlveda, Benjamin U., Santiago, Chile. Propeller. 1,639,785; Aug. 23.
Servidor Company, The. (See Smith, Harrison A., assignor.)
Shafer, Samuel, jr., assignor to Chain Belt Company, Milwaukee, Wis. Loading skip for concrete mixers. 1,640,221; Aug. 23.
Shardlow, Harry, assignor to Solar Lighting Fixture Co., Los Angeles, Calif. Lighting fixture. Des. 73,345; Aug. 23.
Sharp, William L., assignor to The Ohio Foundry and Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 73,346; Aug. 23.
Shaver, Roy F. B., Los Angeles, Calif. Model yacht. 1,639,707; Aug. 23.
Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Electric-locomotive-cab underframe. 1,640,054; Aug. 23.
Shellenberger, John, Chicago, Ill. Machine for making wirebound boxes. 1,639,674; Aug. 23.
Shelton, William G., New York, N. Y. Hair drier and therapeutic lamp. 1,639,753; Aug. 23.
Shilling, Carl S., and D. B. Louzon, Chicago, Ill. Latch. 1,639,862; Aug. 23.
Shoop, Herbert E., Pittsburgh, Pa. Tobacco pipe. 1,640,097; Aug. 23.
Shrum, Peter J., Monaca Heights, and H. A. Henigen, Rochester, assignors to Colona Manufacturing Company, Pittsburgh, Pa. Thread protector. 1,639,814; Aug. 23.
Sidle, John A. (See Johnson, A., and Sidle.)
Siebrandt, John R., Kansas City, Mo. Arm splint. 1,639,815; Aug. 23.
Sinclair, Clyde C., and F. A. Phelps, assignors to Moonlight Bait Company, Paw Paw, Mich. Artificial bait or lure and finishing the same. 1,639,863; Aug. 23.
Singer, William T. (See Butler, E. R., and Singer.)
Skoler, James, Brooklyn, N. Y. Lap robe. 1,640,098; Aug. 23.
Slifer, Howard A., Los Angeles, Calif. Machine for making ornamental crushed linings. 1,639,972; Aug. 23.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Power shovel. 1,640,055; Aug. 23.
Slowik, Albert, Chicago, Ill. Vehicle bumper. 1,640,222; Aug. 23.
Small, Shirley E., Brockton, Mass. Tool. 1,640,256; Aug. 23.
Smith, Alfred J., Mount Vernon, N. Y., Display device. 1,639,754; Aug. 23.
Smith, Allan G., assignor to S. Smith & Sons (Motor Accessories) Limited, London, England. Instrument-board panel. Des. 73,347; Aug. 23.
Smith, Arthur D., and J. Perl, Arkansas City, Kans. Treating heavy hydrocarbons. 1,640,223; Aug. 23.
Smith, Harrison A., Neenah, Wis., assignor, by mesne assignments, to The Servidor Company, New York, N. Y. Service cabinet. 1,639,904; Aug. 23.
Smith, John. (See Murray, J. F., and Smith.)
Smith, Ralph B., Endicott, N. Y. Adhesive paste. 1,640,136; Aug. 23.
Smith, S., & Sons (Motor Accessories) Limited. (See Smith, Allan G., assignor.)
Smith, T. L., Company, The. (See Bager, Frederic E., assignor.)
Smith, Walter L., New York, N. Y. Golf club. 1,639,864; Aug. 23.
Snadecki, William J., Westover, Va., assignor to R. Crane. Rudder for boats. 1,639,675; Aug. 23.
Snyder, Claude R., Elmira, N. Y. Antiglare device. 1,640,299; Aug. 23.
Soap Feeder Corporation. (See Halsey, Norman W., assignor.)
Solar Lighting Fixture Co. (See Shardlow, Harry, assignor.)
Somerfleck, Herman, New York, N. Y. Metallic construction for serving trays, frames, and the like. 1,640,011; Aug. 23.
Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Oil-display apparatus. 1,640,225; Aug. 23.
Spahn, August C., assignor to Bernardin Bottle Cap Company, Evansville, Ind. Device for applying caps to bottles. 1,640,332; Aug. 23.
Specdaumatic Company, The. (See Johnson, John E., assignor.)
Speidel Chain Co. (See Schraysshuen, Carl, assignor.)
Spencer, Charles H., Los Angeles, Calif. Building storage reservoirs in desert countries. 1,640,099; Aug. 23.
Spencer, John A., Revere, assignor to Spencer Thermostat Company, Cambridge, Mass. Thermostat. 1,639,708; Aug. 23.
Spencer Thermostat Company. (See Spencer, John A., assignor.)

Sperr, Frederick W., jr., and D. L. Jacobson, Pittsburgh, Pa., assignors to The Koppers Company. Manufacture of sodium thiosulphate. 1,639,905; Aug. 23.
Stafford, Rogers T. (See Ballou, F. A., and Stafford.)
Standard Development Company. (See Kraus, C. A., and Callis, assignors.)
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Statler, Charles, et al. (See Peterman, Henry, assignor.)
Steers, Newton I., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Safety blasting cap. 1,639,906; Aug. 23.
Steinmetz, Joseph A., Philadelphia, Pa. Gripping member for cylinders. 1,639,786; Aug. 23.
Stella, Edward F. (See Rizer, Darl A., assignor.)
Stephens, F. G. (See Jones, John T., assignor.)
Stertzbach, Harry W. (See Johnson, G. T., and Stertzbach.)
Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
Stiles, Charles, Altoona, Kans. Signal. 1,639,907; Aug. 23.
Still, Carl, assignor to the Firm: Carl Still, Recklinghausen, Germany. Saturating receptacle. 1,639,700; Aug. 23.
Still, Firm: Carl. (See Still, Carl, assignor.)
Stitt, Walter C., et al. (See Nesmith, Samuel D., assignor.)
Stoll, Frank M., assignor to Stoll Manufacturing Company, Denver, Colo. Tent. 1,639,755; Aug. 23.
Stoll Manufacturing Company. (See Stoll, Frank M., assignor.)
Stolp, Frank H. (See Fedders, J. M., and Stolp.)
Storey, Oliver W., Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Dover, Del. Producing solid oxides of carbon. 1,639,982; Aug. 23.
Storey, Oliver W., and G. T. Collinson, Madison, Wis., assignors to C. F. Burgess Laboratories, Inc., Dover, Del. Producing oxidized carbon. 1,639,981; Aug. 23.
Stover-Lang Company. (See Lang, George H., assignor.)
Stowell, Preston D., South Braintree, Mass. Wrench. 1,639,710; Aug. 23.
Strachota, Clarence A., assignor to Liptak Fire-Brick Arch Company, Chicago, Ill. Furnace wall. 1,639,711; Aug. 23.
Strandgren, Carl B., Paris, France. Turbine-wheel propeller and motor. 1,639,908; Aug. 23.
Stransky, Emil, Warren, Pa., assignor to F. B. Rae, jr., and E. G. K. Meister, Cleveland, Ohio. Thermostatic switch. 1,640,257; Aug. 23.
Stratton, John F. O., Chicago, Ill. Furnace. 1,640,056; Aug. 23.
Stratton, John F. O., Chicago, Ill. Furnace. 1,640,158; Aug. 23.
Strickland, Royce M., New Haven, Conn., assignor to The Geometric Tool Co. Self-opening die head. 1,639,712; Aug. 23.
Stringer, Alfred E., Chicago, Ill. Testing cover support and pipe therefor. 1,640,057; Aug. 23.
Stringer, Alfred E., Chicago, Ill. Soil-pipe drainage system. 1,640,058; Aug. 23.
Strizich, Thomas H. (See Heinson, Ernest T., assignor.)
Strong, James B. (See Hoffman, P., and Strong.)
Struchold, Peter, St. Louis, Mo. Thermostatic safety switch or cut-out. 1,640,300; Aug. 23.
Studebaker Corporation, The. (See Fuller, Gla R., assignor.)
Stuntz, John E., Central Estrella, Cuba, assignor to The Hooven, Owens, Rentschler Company, Hamilton, Ohio. Sugar-mill machinery. 1,640,059; Aug. 23.
Suarez, Joseph M., Baltimore, Md., assignor of one-fifth to S. P. Buck, Washington, D. C. Articulated car. 1,640,159; Aug. 23.
Sundstrand, Gustaf D., assignor, by mesne assignments, to Sundstrand Machine Tool Co., Rockford, Ill. Lathe. 1,639,756; Aug. 23.
Sundstrand Machine Tool Co. (See Sundstrand, Gustaf D., assignor.)
Superheater Company, The. (See Broido, Benjamin N., assignor.)
Sutter, Carl, and G. A. Pettit, New Orleans, La. Lubricating device. 1,640,012; Aug. 23.
Suzuki, Chujiro, Tokyo, Japan. Cereal-swelling machine. 1,639,909; Aug. 23.
Swartzbaugh Manufacturing Company. (See Zioln, Henry A., assignor.)
Sweet, Willis M., Niles, Mich. Dirigible headlight. 1,639,865; Aug. 23.
Swinlngston, Lawrence G., Los Angeles, Calif. Blotter-edge guard and paper cutter. 1,640,100; Aug. 23.
Sykes, Adrian F., New Barnet, England. Reproduction of sound. 1,639,713; Aug. 23.
Szuch, Joe. (See Szuch, Vincent and J.)
Szuch, Vincent and J., Ravenna, Ohio. Gate for railway crossings. 1,639,866; Aug. 23.
Tavannes Watch Co., S. A. (See Varaud, André, assignor.)
Taylor, Albert H., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Piezo-electric crystal system. 1,639,817; Aug. 23.
Taylor, Albert H., and L. C. Young, Washington, D. C., assignors to Wired Radio, Inc., New York, N. Y. Radio signaling circuit. 1,639,816; Aug. 23.
Taylor, John, assignor of one-half to Mather & Platt Limited, Manchester, England. Automatic sprinkler or fire extinguisher. 1,639,911; Aug. 23.
Taylor, John R., and E. Wood, Sawtelle, Calif. Expansion core. 1,640,013; Aug. 23.
Taylor, Roy M., Richmond, Ind. Air sanding device. 1,640,258; Aug. 23.
Texas Company, The. (See Manley, Frederick T., assignor.)
Thelle, George I., assignor to The Hooven, Owens, Rentschler Company, Hamilton, Ohio. Sugar-mill machinery. 1,640,060; Aug. 23.
Thesen, Olaf, Philadelphia, Pa. Push-button switch. 1,639,757; Aug. 23.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Testing device. 1,639,818; Aug. 23.
Thomas, John. (See Wylam, B., Harris, and Thomas.)
Thomas, Willis P., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,640,137; Aug. 23.
Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Cleaning device for dials of telephone instruments. 1,639,819; Aug. 23.
Thomson, George I., Chicago, Ill. Golf-stroke-registering device. 1,639,714; Aug. 23.
Thomson, George L., Chicago, Ill. Golf-stroke-registering device. 1,639,715; Aug. 23.
Thronsen, Sigurd, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and mechanism for winding strand material. 1,639,676; Aug. 23.
Tilden, Charles H. (See Leckliter, Henry L., assignor.)
Tillman, Ferdinand J., assignor to Yard-O-Meter Corporation, St. Louis, Mo. Detachable counter bracket for supporting fabric measuring and computing machines. 1,640,160; Aug. 23.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Tinsley, Edward O., assignor to Robert Gair Company, New York, N. Y. Vending display support. 1,639,787; Aug. 23.
Toledo Scale Company. (See Bergen, Harry S., assignor.)
Toledo Scale Company. (See Crane, Samuel G., assignor.)
Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Reeves, Orwell C., assignor.)
Toledo Scale Company. (See Thomas, Edward G., assignor.)
Tomasulo, Cesare, New York, N. Y. Vaginal balloon. 1,640,014; Aug. 23.
Torchia, Alberto, Brooklyn, N. Y. Exchangeable sole for shoes. 1,640,301; Aug. 23.
Torii, Muraji, Kamakuragori, Japan. Alumino solder. 1,640,161; Aug. 23.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Tracy, David D., Jackson, Mich. Sectional conduit. 1,639,867; Aug. 23.
Traub, Charles J., Cincinnati, Ohio. Truss. 1,639,910; Aug. 23.
Treck, Gustave, Detroit, Mich. Cooling device. 1,640,162; Aug. 23.
Trester, Charles C., Lawrenceburg, Ind. Crank. 1,640,163; Aug. 23.
Trimble, E. M., Mfg. Company. (See Baxter, William C., assignor.)
Trimble, Edward M. (See Baxter, William C., assignor.)
Trotter, Walter F., Cincinnati, Ohio, assignor to Detroit Stoker Company, Detroit, Mich. Underfeed stoker. 1,640,164; Aug. 23.
Trustees of Electro Thermostatic Control Company, The. (See Sauvage, Herbert J., assignor.)
Uline, Michiel J., Toledo, Ohio. Device for lifting ice cans. 1,639,788; Aug. 23
Underwood Typewriter Company. (See Campbell, George W., assignor.)
Underwood, Western, Los Angeles, Calif. Lighting post. Des. 73,348; Aug. 23.
Union Special Maschinenfabrik, G. m. b. H. (See Maier, Karl, assignor.)
Union Switch & Signal Company, The. (See Grondahl, Lars, O., assignor.)
United Shoe Machinery Corporation. (See Brogan, Michael F., assignor.)
U. S. Specialty Company. (See Clauson, William, assignor.)
Unwin, Kenneth J., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Laterally-movable detector in loom transferrer. 1,639,869; Aug. 23.
Unwin, Kenneth J., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,639,868; Aug. 23.
Upson, Maxwell M., Englewood, N. J. Apparatus for making concrete piles. 1,640,101; Aug. 23.
Vallat, André, Paris, France, assignor to M. S. Lesser, Los Angeles, Calif. Booth game. 1,640,259; Aug. 23.
Valliere, John L., Skowhegan, Me. Freight hook. 1,640,102; Aug. 23.
Valsvig, Martin J., assignor of one-half to J. Lee, Spokane, Wash. Closure fastener. 1,639,870; Aug. 23.
Van Husen, Norman. (See Jandus, H. S., and Van Husen.)

Van Orstrand, Charles E., Washington, D. C. Apparatus for measuring depths of wells. 1,639,973; Aug. 23.
Van Tassell, Charles, Los Angeles, Calif. Shoe attachment. 1,640,302; Aug. 23.
Vapor Car Heating Company. (See Gillick, Lawrence H., assignor.)
Vapor Car Heating Company. (See Gold, E. H., and Russell, assignors.)
Varaud, André, La Caplte sur Vesenaz, near Geneva, assignor to Tavannes Watch Co. S. A., Tavannes, Canton of Berne, Switzerland. Clockwork-operated mechanical fuse for shells and the like projectiles. 1,640,165; Aug. 23.
Varney, Theodore, Sewickley, assignor to Aluminum Company of America, Pittsburgh, Pa. Method of and apparatus for protecting aerial cables. 1,639,820; Aug. 23.
Vaughan, Thomas M., Salem, Ohio. Shears. 1,639,677; Aug. 23.
Vickers Limited. (See Pratt, Hartley B., assignor.)
Viking Pump Company. (See Petersen, Peter C., assignor.)
Vogel, Clarence F., Rock Island, Ill. Doll. 1,640,260; Aug. 23.
Vogel, Max, Frankfort-on-the-Main, Germany. Notebook. 1,639,821; Aug. 23.
Voight, George F., Oakland, Calif., assignor to Economy Products Corporation. Wall construction. 1,640,303; Aug. 23.
Wakefield, Walter H. (See Hoffman, L. F., and Wakefield.)
Wakefield, Walter H. (See Unwin, K. J., and Wakefield.)
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Box-motion-controlled electromagnetic weft detector. 1,639,822; Aug. 23.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yarn-impinging lay-actuated weft detector controlled by box motion. 1,639,823; Aug. 23.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft detector controlled by pattern mechanism. 1,639,824; Aug. 23.
Walch, Jacob S., Oakland, Calif. Ditch-digging machine. 1,639,871; Aug. 23.
Waldref, Grant. (See Riach, Henry J., assignor.)
Wales, Charles. (See Fay, J. W., and Wales.)
Wall, Thomas, assignor to Gregory Furniture Mfg. Co., Tacoma, Wash. Apparatus for operating extension tables. 1,639,825; Aug. 23.
Wallace, Claude W. (See Barron, Randolph M., assignor.)
Walters, George H., Bristol, assignor of one-half to George Mann and Company Limited, London, England. Printing apparatus. 1,639,789; Aug. 23.
Wanek, Albert G., Wahpeton, N. Dak. Washing machine. 1,639,872; Aug. 23.
Wappler Electric Company. (See Wappler, Reinhold H., assignor.)
Wappler, Reinhold H., Yonkers, N. Y., assignor to Wappler Electric Company, Inc. Clamping electrode. 1,640,061; Aug. 23.
Ward Baking Company. (See Cregor, Nathan M., assignor.)
Ward Baking Company. (See Hoffman, Charles, assignor.)
Ward, James A., Mallard, Iowa. Wick humidifier for cigar cases. 1,639,912; Aug. 23.
Waream, Charles E., Norwood, Ohio. Power attachment for pressing machines. 1,640,015; Aug. 23.
Watres, Lewis S., Scranton, Pa., assignor to National Graphite Lubrication Company, Wilmington, Del. Stopping leakage of steam. 1,640,062; Aug. 23.
Watson Company, The. (See Brown, William T., assignor.)
Wattie, William M., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Dobby cylinder. 1,639,826; Aug. 23.
Wayne, Herbert N., Santa Monica, Calif. Resilient wheel. 1,639,827; Aug. 23.
Wengant, Roy A., New York, N. Y., assignor to Radio Corporation of America. Antistatic aerial. 1,639,913; Aug. 23.
Webb, Jervis B., Detroit, Mich. Overhead loading mechanism. 1,639,758; Aug. 23.
Wegener, Francis A. (See Bliss, C. E., and Wegener.)
Welles, Roger, et al. (See Nesmith, Samuel D., assignor.)
Wells, Amos S., Minneapolis, Minn. Dental instrument. 1,639,914; Aug. 23.
Welsbach Company. (See Bliss, C. E., and Wegener, assignors.)
Western Electric Company. (See Duncan, George W., assignor.)
Western Electric Company. (See Fay, Joseph W., assignor.)
Western Electric Company. (See Fay, J. W., and Wales, assignors.)
Western Electric Company. (See Gauthier, Ernest, assignor.)
Western Electric Company. (See Martin, Wallace I., assignor.)
Western Electric Company. (See Secley, George A., assignor.)
Western Electric Company. (See Thronsen, Sigurd, assignor.)
Western Stoneware Company. (See Dains, Irven F., assignor.)
Western Union Telegraph Company, The. (See Janson, George W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Baumann, Karl, assignor.)
Weston, Charles W., Pampa, Tex. Chair. Des. 73,349; Aug. 23.
Weston, Charles W., Pampa, Tex. Table. Des. 73,350; Aug. 23.
Whaley, Marshal H., and C. W. Eckenwiler, Morrison, Okla. Card game. 1,640,261; Aug. 23.
Wheary, George H., assignor to Wheary Trunk Company, Racine, Wis. Garment retainer. 1,639,790; Aug. 23.
Wheary Trunk Company. (See Wheary, George H., assignor.)
Wheeler, Jerome S., Guelph, Ontario, Canada. Tipless lamp and method of making same. 1,640,226; Aug. 23.
Wheeler, John H., Plymouth, and H. M. Scott, Waldo, assignors to Brookshire Cheese Company, Sheboygan, Wis. Treating cheese. 1,639,828; Aug. 23.
Wheeler, Raymond C. (See Dickey, S. J., and Wheeler.)
Whelan, Sidney S., Westbury, N. Y. Collapsible container. 1,639,759; Aug. 23.
White, John F., assignor to White Products Company, Chicago, Ill. Radiator cap. Des. 73,351; Aug. 23.
White Motor Company, The. (See Churcher, William B., assignor.)
White Products Company. (See White, John F., assignor.)
White, Wilfrid O., Newton, Mass. Pelorus. 1,640,166; Aug. 23.
White, Wilfrid O., and H. G. Hutch, Newton, assignors to Kelvin & Wilfrid O. White Company, Boston, Mass. Spring-mounted compass. 1,640,167; Aug. 23.
Willard, Hobart H. (See Green, M., and Willard.)
Williams, Henry G., Spokane, assignor of one-half to J. M. Packer, Douglas, Wash. Sack jigger. 1,640,103; Aug. 23.
Williams, Louis, Seattle, Wash. Pruning implement. 1,640,168; Aug. 23.
Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Automobile steel-disk wheel. 1,640,063; Aug. 23.
Wills, Walter B., Baltimore, Md. Wire handle. 1,640,016; Aug. 23.
Wilmot Engineering Company. (See Wilmot, George W., assignor.)
Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Apparatus for washing coal and ore. 1,639,915; Aug. 23.
Wilson, Sidney C., Pittsford, assignor to The Knab Corporation, Rochester, N. Y. Eaves-trough hanger. 1,639,916; Aug. 23.
Winslow, Marion H., Terre Haute, Ind. Preventing sag and protecting bearings of platform weighing scales. 1,639,829; Aug. 23.
Winter, Herbert G., Pittsburgh, Pa. Trolley-wheel retainer. 1,640,304; Aug. 23.
Wired Radio, Inc. (See Taylor, Albert H., assignor.)
Wired Radio, Inc. (See Taylor, A. H., and Young, assignors.)
Wise, John S., jr., New York, N. Y. Ash receptacle. 1,639,700; Aug. 23.
Witham, George S. jr., Hudson Falls, N. Y. Beater. 1,639,917; Aug. 23.
Witteman, Harvey A., Seattle, Wash. Rotary pump. 1,640,169; Aug. 23.
Wolf, Ira, Elm Creek, Nebr. Windmill. 1,640,262; Aug. 23.
Wood, Charles R., Detroit, Mich. Pocket. 1,639,830; Aug. 23.
Wood, Ervin. (See Taylor, J. R., and Wood.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Folder. 1,640,017; Aug. 23.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodstock Typewriter Company. (See Hokanson, O. A., and Koca, assignors.)
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Woodward, Herbert S., Carbondale, Pa. Multiple deck screen. 1,639,678; Aug. 23.
Woodward, John W., Lawrence, Mass., assignor, by mesne assignments, to Kitson Machine Shop. Controlling apparatus for cotton-distributing mechanisms. 1,640,138; Aug. 23.
Woolsey, Charles A., and H. V. Bowman, Minneapolis, Minn., assignors to Northwestern Collapsible Carrier Co., St. Paul, Minn. Crate. 1,639,873; Aug. 23.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,639,874; Aug. 23.
Wright, George B., assignor to Nash Engineering Company, South Norwalk, Conn. Device for illustrating the operation of rotary pumps. 1,639,918; Aug. 23.
Wright, John E., assignor to A. H. Fox, New York, N. Y. Street-traffic-signal device. 1,640,170; Aug. 23.
Wylam, Birkett, Lancaster, J. E. G. Harris, Carlisle, England, and J. Thomas, assignors to Scottish Dyes, Limited, Grangemouth, Scotland. Preparing vat-dyestuff derivatives from vat dyestuffs and alkyl esters of monochloracetic acid. 1,640,018; Aug. 23.
Yacey, William O., Chicago, Ill. Toy novelty. 1,640,171; Aug. 23.
Yard-O-Meter Corporation. (See Tillman, Ferdinand J., assignor.)

Yawman & Erbe Manufacturing Co. (See Clark, James R., assignor.)
Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 73,352; Aug. 23.
Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier. Des. 73,353; Aug. 23.
Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Wall plate for electric-light fixtures. 73,354; Aug. 23.
Yokel, Frank, Cleveland Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Husk for incandescent lamps. 73,355; Aug. 23.
Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier loop. 73,356; Aug. 23.
Yokel, Frank, Cleveland, Ohio, assignor to Markel Electric Products, Inc., Buffalo, N. Y. Chandelier brace. 73,357; Aug. 23.
Young, James, Kenora, Ontario, Canada. Condensation remover for steam-heated driers. 1,640,019; Aug. 23.
Young, Leo C. (See Taylor, A. H., and Young.)
Young, Lorin W., New York, N. Y. Table lamp. Des. 73,358; Aug. 23.
Young, William M., Harrisburg, Pa. Telephone attachment. 1,640,227; Aug. 23.
Zilliox, John, Orchard Park, N. Y. Wrench. 1,639,831; Aug. 23.
Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric range. 73,359; Aug. 23.
Zobel, Benjamin J., Buffalo, N. Y. Tire rim. 1,640,305; Aug. 23.
Zsoldos, Julius, Brooklyn, N. Y., assignor to Automat Equipment Corporation. Coin-controlled liquid-vending machine. 1,639,679; Aug. 23.
Zuckerman, Roscoe C., Stockton, Calif. Sacking apparatus for potato harvesters. 1,639,832; Aug. 23.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Adhesive or a similar substance, Machine for coating labels, etc., with. F. R. Schmitt. 1,640,219; Aug. 23.
Adhesive paste. R. B. Smith. 1,640,136; Aug. 23.
Advertisements luminous by the opening or closing of doors, Device for rendering. V. M. Kolbe. 1,640,001; Aug. 23.
Aerial. M. E. Fraser and L. Schultz. 1,639,727; Aug. 23.
Aerial, Antistatic. R. A. Weagant. 1,639,913; Aug. 23.
Agitator. W. R. Ellis. 1,639,932; Aug. 23.
Air sanding device. R. M. Taylor. 1,640,258; Aug. 23.
Aircraft, C. H. Congdon. 1,639,796; Aug. 23.
Aircraft, etc., Altitude gauge for use on. A. Nosan. 1,640,051; Aug. 23.
Alarm gauge. W. F. Priest. 1,639,965; Aug. 23.
Alarm system. W. H. Price and H. G. Blumberg. 1,640,294; Aug. 23.
Aldehyde reaction products of the aldehyde derivative of a Schiff's base, Manufacture of. C. O. North. 1,639,057; Aug. 23.
Alloy steel and making it. C. T. Evans. 1,639,969; Aug. 23.
Amusement rides, Passenger car for. H. Johnson. 1,640,038; Aug. 23.
Anchors, Tamping bar for expanding earth. J. Blackburn. 1,639,836; Aug. 23.
Anticreeping joint. C. Pascal. 1,639,960; Aug. 23.
Antiglare device. C. R. Snyder. 1,640,299; Aug. 23.
Automobile arm rest. J. Finn. Des. 73,286; Aug. 23.
Automobile jack. G. L. Pitt. 1,640,293; Aug. 23.
Automobile signal. G. E. Hitchcock. 1,640,275; Aug. 23.
Automobiles, Tube-repairing attachment for. E. R. Justice. 1,640,327; Aug. 23.
Aviation. C. L. Anderson. 1,639,833; Aug. 23.
Aviator's suit. W. R. Furman. 1,640,270; Aug. 23.
Bag frame. A. Bellingrath. 1,639,977; Aug. 23.
Bag frame, Hand-. E. B. and E. Poeter. Des. 73,333; Aug. 23.
Bag holder. J. Leicht, jr. 1,640,084; Aug. 23.
Bag holder, Tobacco-. P. H. Hart. 1,640,236; Aug. 23.
Bait or lure and finishing the same, Artificial. C. C. Sinclair and F. A. Phelps. 1,639,863; Aug. 23.
Baking pan, Metal. C. A. Massing. Des. 73,326; Aug. 23.
Ball cleaner. J. E. Lawler. 1,639,740; Aug. 23.
Barrel, Core. O. M. Carter. 1,640,264; Aug. 23.
Basket, Clothes. I. E. Lobeck. 1,640,280; Aug. 23.
Basket, Collapsible. R. W. Birch. 1,639,921; Aug. 23.
Bath appliance. V. E. Schmiedeknecht. 1,639,705; Aug. 23.
Battery: *See*—
Storage battery.
Battery cell. F. A. Keller. 1,640,039; Aug. 23.
Beam hanger, Adjustable. F. P. Jones. 1,639,735; Aug. 23.
Beam-locking device. H. W. Hem. 1,640,079; Aug. 23.
Bearing. E. Gauthier. 1,639,692; Aug. 23.
Bearing, Antifriction. J. F. O'Connor. 1,640,207–8; Aug. 23.
Bearing, Counterbalanced side. S. B. Haseltine. 1,640,034; Aug. 23.
Bearings, Mounting for antifriction. G. R. Bott. 1,639,684; Aug. 23.
Bender. G. S. Witham, jr. 1,639,917; Aug. 23.
Bedstead, Metallic. W. Greenman. 1,639,847; Aug. 23.
Binder, Loose-leaf. C. H. Franz, jr. 1,640,071; Aug. 23.
Binder, Loose-leaf. J. L. McMillan. 1,640,087; Aug. 23.
Bit-brace head. G. Abrahamson. 1,640,020; Aug. 23.
Blade-adjustment mechanism, Folding-. F. Lamatsch. 1,639,948; Aug. 23.
Blasting cap, Safety. N. I. Steers. 1,639,906; Aug. 23.
Blotter-edge guard and paper cutter. L. G. Swinington. 1,640,100; Aug. 23.
Board: *See*—
Standing board.
Boats, Rudder for. W. J. Snadecki. 1,639,075; Aug. 23.
Boiler: *See*—
Steam boiler.
Boiler cleaner. W. P. Thomas. 1,640,137; Aug. 23.
Boiler construction. B. N. Broido. 1,640,178; Aug. 23.
Book, Note. M. Vogel. 1,639,821; Aug. 23.
Booklet. J. J. Murray. 1,640,246; Aug. 23.
Bottle. J. F. Harrison. Des. 73,288; Aug. 23.
Bottle cap, Nonrefillable. W. M. Rogers. 1,640,095; Aug. 23.
Bottle cooler. W. Planski. 1,639,857; Aug. 23.
Bottle closure and making same. W. P. Henry. 1,640,192; Aug. 23.
Bottle closure and the like. F. K. Plympton. 1,640,009; Aug. 23.
Bottle or similar perfume container. R. T. Brewster. Des. 73,278; Aug. 23.
Bottles, Teat and valve for feeding. W. C. Ingram and E. J. Everest. 1,640,152; Aug. 23.
Bow tie. L. Friedman. 1,639,767; Aug. 23.
Bowl, Sugar. H. Peterman. 1,640,156; Aug. 23.
Box: *See*—
Display box. Smoke box.
Mail box. Tee box.
Box. A. H. Beyer. 1,639,793; Aug. 23.
Box. F. F. Hamilton. Des. 73,287; Aug. 23.
Box or crate, Shipping. J. H. and E. J. Hieb. 1,640,080; Aug. 23.
Boxes, Machine for making wire-bound. J. Shellenberger. 1,639,674; Aug. 23.
Brace: *See*—
Engine brace.
Braiding, Method of and apparatus for. G. A. Seeley. 1,639,673; Aug. 23.
Brake: *See*—
Truck brake.
Brake. G. R. Fuller. 1,640,186; Aug. 23.
Brake hanger. W. S. Adams. 1,640,228; Aug. 23.
Brake shoe. J. R. Cautley. 1,639,838; Aug. 23.
Brake tester. F. Dowrello. 1,639,884; Aug. 23.
Bucket trap. F. Elge. 1,640,115; Aug. 23.
Buffing wheel. J. J. Flechter. 1,640,032; Aug. 23.
Building construction. J. G. S. Murray. 1,640,091; Aug. 23.
Bumper and support, Automobile. W. W. Donegan. 1,640,145; Aug. 23.
Bumper and trunk rack, Combination automobile. W. W. Donegan. 1,640,146; Aug. 23.
Bumper, Vehicle. H. S. Jandus. Des. 73,300; Aug. 23.
Bumper, Vehicle. H. S. Jandus. Des. 73,318–21; Aug. 23.
Bumper, Vehicle. H. S. Jandus and R. A. Flum. Des. 73,290; Aug. 23.
Bumper, Vehicle. H. S. Jandus and C. E. Rasmussen. Des. 73,291; Aug. 23.
Bumper, Vehicle. H. S. Jandus and E. R. Keelor. Des. 73,292; Aug. 23.
Bumper, Vehicle. H. S. Jandus and J. R. Morgan. Des. 73,293–5; Aug. 23.
Bumper, Vehicle. H. S. Jandus and N. Van Husen. Des. 73,296; Aug. 23.
Bumper, Vehicle. H. S. Jandus and C. E. Rasmussen. Des. 73,297; Aug. 23.
Bumper, Vehicle. H. S. Jandus and N. Van Husen. Des. 73,298; Aug. 23.
Bumper, Vehicle. H. S. Jandus and E. R. Keelor. Des. 73,299; Aug. 23.
Bumper, Vehicle. H. S. Jandus and N. Van Husen. Des. 73,301; Aug. 23.
Bumper, Vehicle. H. S. Jandus and C. E. Rasmussen. Des. 73,302; Aug. 23.
Bumper, Vehicle. H. S. Jandus and N. Van Husen. Des. 73,303–4; Aug. 23.
Bumper, Vehicle. A. Slowik. 1,640,222; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and J. R. Morgan. Des. 73,305; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and C. E. Rasmussen. Des. 73,306; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus. Des. 73,308–9; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and J. R. Morgan. Des. 73,310–13; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and E. R. Keelor. 73,314–5; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and J. R. Morgan. Des. 73,316–17; Aug. 23.
Bumpers, Clamp for vehicle. H. S. Jandus and J. R. Morgan. Des. 73,322; Aug. 23.
Bumpers, Plate for vehicle. H. S. Jandus and N. Van Husen. Des. 73,307; Aug. 23.
Burner: *See*—
Hydrocarbon burner. Oil burner.
Liquid-fuel burner.
Burner and making same, Gas. B. A. Geurink. 1,639,603; Aug. 23.
Butter mold. J. Greener. 1,639,937; Aug. 23.
Buttonholes, Forming stitched. H. C. Miller. 1,640,283; Aug. 23.
Cab underframe, Electric-locomotive-. W. M. Sheehan. 1,640,054; Aug. 23.
Cabinet. T. J. Pilliod. 1,639,964; Aug. 23.

Cabinet, Service. H. A. Smith. 1,639,904; Aug. 23.
Cables, Method of and apparatus for protecting aerial. T. Varney. 1,639,820; Aug. 23.
Calculating machine. C. E. Broman. 1,639,923; Aug. 23.
Can: *See*—
Ice can.
Can-closing machine, Semiautomatic. F. Huntar. 1,639,945; Aug. 23.
Can-testing machine. A. L. Kronquest. 1,640,242; Aug. 23.
Cans, Device for lifting ice. M. J. Uline. 1,639,788; Aug. 23.
Candy package. A. Olsen, jr. 1,640,052; Aug. 23.
Caps to bottles, Device for applying. A. C. Spahn. 1,640,332; Aug. 23.
Car, Articulated. J. M. Suarez. 1,640,159; Aug. 23.
Car, coupler system. R. G. Averill. 1,639,717; Aug. 23.
Car-transfer apparatus. L. E. Endsley. 1,639,726; Aug. 23.
Car-truck side frame, Cast. G. T. Johnson and H. W. Stertzbach. 1,639,732; Aug. 23.
Cars, Brake device for railway. F. C. Rutz. 1,639,669; Aug. 23.
Carbon, Producing oxidized. O. W. Storey and G. T. Collinson. 1,639,981; Aug. 23.
Carbon, Producing solid oxides of. O. W. Storey. 1,639,982; Aug. 23.
Carburetor, Self-feeding. H. E. Marsh. 1,640,044; Aug. 23.
Carburetor. R. D. Perkins. 1,640,291; Aug. 23.
Card holder. J. M. Hurley. 1,639,946; Aug. 23.
Case: *See*—
Display case. Show case.
Case-shift mechanism. J. F. Koca. 1,640,127; Aug. 23.
Casket, Burial. J. E. Falck. Des. 73,285; Aug. 23.
Caster wheel. E. Schultz. 1,639,860; Aug 23.
Casting mold. E. Boyle. 1,640,107; Aug. 23.
Cell, Galvanic. B. K. Brown. 1,639,983; Aug. 23.
Cellulosic material, Bleaching. G. A. Richter and M. O. Schur. 1,639,704; Aug. 23.
Chair. J. B. Adler. Des. 73,275; Aug. 23.
Chair. C. W. Weston. Des. 73,349; Aug. 23.
Chandelier. F. Yokel. Des. 73,352–3; Aug. 23.
Chandelier brace. F. Yokel. Des. 73,357; Aug. 23.
Chandelier loop. F. Yokel. Des. 73,356; Aug. 23.
Chandeliers, Medallion for. C. W. Logan. Des. 73,325; Aug. 23.
Cheese, Treating. J. H. Wheeler and H. M. Scott. 1,639,828; Aug. 23.
Chest: *See*—
Vanity chest.
Cigar cases, Wick humidifier for. J. A. Ward. 1,639,912; Aug. 23.
Cigarette holder, dispenser, and lighter, Combination. L. Pengilly. Des. 73,332; Aug. 23.
Cigarette holders, Protector means or guard for. D. Gologan. 1,639,993; Aug. 23.
Circuit breaker. H. Hinds. 1,639,730; Aug. 23.
Circuits and switching apparatus therefor, Messenger call. G. W. Janson. 1,640,325; Aug. 23.
Clasp: *See*—
Pocket and pencil clasp.
Cleaner: *See*—
Boiler cleaner. Vacuum cleaner.
Clock-winding mechanism. A. W. Fowler. 1,639,691; Aug. 23.
Clock-winding mechanism, Electric. F. A. Feldkamp. 1,639,990; Aug. 23.
Closet: *See*—
Ventilating closet.
Closing bags. P. Gangler. 1,640,316; Aug. 23.
Cloth gauge. W. H. O'Neill. Re16,720; Aug. 23.
Clutch, Roller. C. Andrade, jr. 1,639,974; Aug. 23.
Coal and ore, Apparatus for washing. G. W. Wilmot. 1,639,915; Aug. 23.
Coating process. A. Eggiman and A. Perea. 1,640,185; Aug. 23.
Combing machines for combing cotton and other fibrous materials, Detaching roller of. N. and S. Jones. 1,639,802; Aug. 23.
Combustion machines, Charging device for. F. Porsche. 1,639,784; Aug. 23.
Compass, Spring-mounted. W. O. White and H. G. Hatch. 1,640,167; Aug. 23.
Composite articles, Forming. J. W. Fay. 1,639,652; Aug. 23.
Composition for preventing the accumulation of raindrops on windows. J. F. Murray and J. Smith. 1,640,092; Aug. 23.
Compressor housing. J. O. Carrey. 1,639,648; Aug. 23.
Computing devices, Casing for. S. O. Nations. Des. 73,329; Aug. 23.
Concrete mixers, Loading skip for. S. Shafer, jr. 1,640,221; Aug. 23.
Concrete pile, Apparatus for making. M. M. Upson. 1,640,101; Aug. 23.
Condenser, High-potential. W. Dubilier. 1,639,650; Aug. 23.
Conduit, Sectional. D. D. Tracy. 1,639,867; Aug. 23.
Confections, Process and apparatus for making. W. S. Cloud. Re16,712; Aug. 23.
Container and contents therefor, Article of manufacture comprising. N. M. Hopkins. 1,639,699; Aug. 23.
Container, Collapsible. S. S. Whelan. 1,639,759; Aug. 23.
Containers, Fastening device for sealed. A. D. Newcomb. 1,639,661; Aug. 23.
Contraction expansion joint. A. C. Fischer. 1,639,763; Aug. 23.
Conveyer. T. H. Oppenheim and B. Selhorst. 1,639,808; Aug. 23.
Conveying apparatus. N. H. Preble. 1,639,751; Aug. 23.
Cooker, Waterless. E. T. Heinson. 1,640,190–1; Aug. 23.
Cooler: *See*—
Bottle cooler.
Cooling device. G. Treck. 1,640,162; Aug. 23.
Copyholder. W. H. Gleeson. 1,640,121; Aug. 23.
Core, Expansion. J. R. Taylor and E. Wood. 1,640,013; Aug. 23.
Corn, Machine for handling and treating. M. W. Sells. 1,639,706; Aug. 23.
Cotton-distributing mechanisms, Controlling apparatus for. J. W. Woodward. 1,640,138; Aug. 23.
Coupling: *See*—
Hose coupling.
Cover, spring sleeve, and lubricator, Spring. E. F. Hartzell. 1,639,942; Aug. 23.
Crank. C. C. Trester. 1,640,163; Aug. 23.
Crate. C. A. Woolsey and H. V. Bowman. 1,639,873; Aug. 23.
Crib, Folding. W. C. Baxter. 1,640,024; Aug. 23.
Cribs or the like, Wheel mounting for. W. C. Baxter. 1,640,025; Aug. 23.
Cultivator. A. D. Gallagher. 1,639,768; Aug. 23.
Cultivator attachment. O. J. Lewis. 1,639,777; Aug. 23.
Cupola furnace. A. Poumay. 1,640,251; Aug. 23.
Cups and the like, Device for handling. M. H. Eaton. 1,640,184; Aug. 23.
Curette. P. A. Currey. 1,640,113; Aug. 23.
Curler, Steam hair. F. C. Salisbury. 1,639,900; Aug. 23.
Current-carrying device, Unidirectional. L. O. Grondahl. 1,640,335; Aug. 23.
Cutter head. T. H. Oppenheim and B. Selhorst. 1,639,807; Aug. 23.
Cylinder, Dobby. W. M. Wattie. 1,639,826; Aug. 23.
Cylinders, Gripping member for. J. A. Steinmetz. 1,639,786; Aug. 23.
Deck screen, Multiple-. H. S. Woodward. 1,639,678; Aug. 23.
Dental instrument. A. S. Wells. 1,639,914; Aug. 23.
Denture, Artificial. F. H. Nies. 1,639,782; Aug. 23.
Depth charge and like submarine explosive body. H. B. Pratt. 1,639,665; Aug. 23.
Desk and file, Combination. J. A. Hughes. 1,640,277; Aug. 23.
Detector: *See*—
Weft detector.
Diarylguanidines, Manufacture of. C. J. T. Cronshaw and W. J. S. Naunton. 1,639,724–5; Aug. 23.
Die head, Self-opening. A. F. Breitenstein. 1,639,719; Aug. 23.
Die head, Self-opening. R. M. Strickland. 1,639,712; Aug. 23.
Digging machine, Ditch-. J. S. Walch. 1,639,871; Aug. 23.
Dish or analogous article. R. Dimes, jr. Des. 73,284; Aug. 23.
Dishwashing machine. G. P. Anstiss. 1,639,834; Aug. 23.
Disk Wheel, Automobile steel. W. E. Williams. 1,640,063; Aug. 23.
Dislodging mechanism. N. D. Levin. 1,639,741; Aug. 23.
Dispensing container, Beverage-. W. E. Leibing. Des. 73,324; Aug. 23.
Display box, Merchandise-. F. A. Portman. 1,639,750; Aug. 23.
Display case, Refrigerator. E. F. Deacon. 1,639,841; Aug. 23.
Display card. C. Schrayssbuen. 1,639,672; Aug. 23.
Display device. A. J. Smith. 1,639,754; Aug. 23.
Display support, Vending. E. O. Tinsley. 1,639,787; Aug. 23.
Doll. C. F. Vogel. 1,640,260; Aug. 23.
Door-control means. A. A. Nelson. 1,639,747; Aug. 23.
Door hanger. M. A. Possons. 1,640,250; Aug. 23.
Door mechanism, Oven-. J. T. Hueckel. 1,640,036; Aug. 23.
Door-operating mechanism, Refrigerator-car-. J. F. O'Conner. 1,640,213; Aug. 23.
Door stop and catch device, Combination. S. B. Haseltine. 1,640,035; Aug. 23.
Drainage system, Soil-pipe. A. E. Stringer. 1,640,058; Aug. 23.
Driers, Condensation remover for steam-heated. J. Young. 1,640,019; Aug. 23.
Driving mechanism. J. O. Carrey. 1,639,647; Aug. 23.
Dry cell. B. K. Brown. 1,639,984; Aug. 23.
Dry-cell depolarizer. B. K. Brown. 1,639,985; Aug. 23.
Drying apparatus. E. C. Reader. 1,639,967; Aug. 23.
Dual-tired wheel. L. D. Kay. 1,640,339; Aug. 23.
Dustpan. W. C. Rice. 1,639,809; Aug. 23.
Dyestuff derivatives from vat dyestuffs and alkyl esters of monochloracetic acid, Preparing vat. B. Wylam, J. E. G. Harris, and J. Thomas. 1,640,018; Aug. 23.
Eaves-trough hanger. S. C. Wilson. 1,639,916; Aug. 23.
Electric apparatus, Protecting. M. Buchholz. 1,640,310; Aug. 23.
Electric apparatus, Protective system for. M. Buchholz. 1,640,309; Aug. 23.

Electric crystal system, Piezo-. A. H. Taylor. 1,639,817; Aug. 23.
Electric-light fixtures, Wall plate for. F. Yokel. Des. 73,354; Aug. 23.
Electric switch, Thermostatically-controlled. C. M. Holley. 1,639,655; Aug. 23.
Electric system, Dynamo-. W. B. Churcher. 1,640,181; Aug 23.
Electric water heater. S. D. Nesmith. 1,640,047; Aug. 23.
Electrical control system. R. C. Coupland. 1,639,987; Aug. 23.
Electrical system. W. B. Churcher. 1,639,882; Aug. 23.
Electricity meter, Induction. J. Harris. 1,639,728; Aug. 23.
Electrode, Clamping. R. H. Wappler. 1,640,061; Aug. 23.
Electrodes to carriers, Machine for securing plate-shaped. H. de Jong. 1,639,687; Aug. 23.
Electron-emitting cathode and preparing the same. F. Holborn. 1,639,698; Aug. 23.
Embossing. J. H. Matthews. Re16,718; Aug. 23.
Embossing machine. J. E. Johnson. 1,639,733; Aug. 23.
End gate and ramp, Combined. L. C. Buffington. 1,639,879; Aug. 23.
Engine: *See*—
Internal-combustion engine.
Engine. J. D. Hay. 1,639,848; Aug. 23.
Engine brace. A. S. Leeper. 1,639,950; Aug. 23.
Engines, Cooling internal-combustion. W. W. Muir. 1,639,745; Aug. 23.
Engines, Pressure fuel-feed system for hydrocarbon. A. E. Berdon. 1,639,645; Aug. 23.
Engines, Valve mechanism for internal-combustion. H. Ford. 1,640,118; Aug. 23.
Evaporable device. W. E. Gotham. 1,640,272; Aug. 23.
Expansible collapsible element. H. C. Mallory. 1,639,742; Aug. 23.
Expansion joint. A. C. Fischer. 1,639,764; Aug. 23.
Extinguisher, Pail. O. R. Erwin. 1,640,117; Aug. 23.
Fabricated articles, Machine for assembling parts or elements of. W. I. Martin. 1,639,700; Aug. 23.
Fastener, Closure. M. J. Valsvig. 1,639,870; Aug. 23.
Fasteners, Machine for making divergent. V. Ragona. 1,639,895; Aug. 23.
Filter. J. M. Lobit. 1,640,198; Aug. 23.
Filtering apparatus. L. Ewald. 1,639,933; Aug. 23.
Fire-extinguishing apparatus. O. R. Erwin. 1,640,116; Aug. 23.
Fish-cutting machine. J. Barry. 1,639,976; Aug. 23.
Fish lure. H. L. Fisher. 1,639,766; Aug. 23.
Fixture, Window. L. A. Corcoran. 1,640,143; Aug. 23.
Flag, Electrical. A. Migliaccio. 1,640,282; Aug. 23.
Flax-testing machine. A. V. Cleland. 1,639,926; Aug. 23.
Flexible joint. L. H. Gillick. 1,639,800; Aug. 23.
Flexible joint. E. H. Gold and E. A. Russell. 1,639,771; Aug. 23.
Flexible joints, Suspension device for. E. H. Gold and E. A. Russell. 1,639,772; Aug. 23.
Flour-maturing method and apparatus. J. I. Logan. 1,640,199; Aug. 23.
Flower block. R. C. Coble. Des. 73,280; Aug. 23.
Folder. H. A. W. Wood. 1,640,017; Aug. 23.
Food products, Making. N. M. Cregor. 1,640,182; Aug. 23.
Food products, Making. C. Hoffman. 1,640,193; Aug. 23.
Foot rest. Disappearing shoe-shining. W. Johnson. 1,640,239; Aug. 23.
Fountains, Valve for animal drinking. A. F. Klinzing. 1,640,194; Aug. 23.
Frame: *See*—
Bag frame. Spinning, twisting, and like frame.
Car-truck side frame.
Freight hook. J. L. Valliere. 1,640,102; Aug. 23.
Frequency changers, Arrangement for the regulation of the frequency in. K. Heegner. 1,639,695; Aug. 23.
Fumigator. J. O. Burt. 1,640,026; Aug. 23.
Furnace: *See*—
Cupola furnace. Wall furnace.
Glass furnace.
Furnace. J. F. O. Stratton. 1,640,056; Aug. 23.
Furnace. J. F. O. Stratton. 1,640,158; Aug. 23.
Furnace wall. C. A. Strachota. 1,639,711; Aug. 23.
Game, Booth. A. Vallat. 1,640,259; Aug. 23.
Game, Card. M. H. Whaley and C. W. Eckenwiler. 1,640,261; Aug. 23.
Game or puzzle. E. S. Neuzil. 1,639,893–4; Aug. 23.
Garden implement. G. F. Arvedson. 1,639,643; Aug. 23.
Garment retainer. G. H. Wheary. 1,639,790; Aug. 23.
Gas burners, Automatic safety appliance for. M. B. Matson. 1,640,045; Aug. 23.
Gas fire, Incandescent. J. Mulholland. 1,639,780; Aug. 23.
Gas heater. E. Pepin. 1,640,248; Aug. 23.
Gas heater. W. L. Sharp. Des. 73,346; Aug. 23.
Gas mantle and making the same. C. E. Bliss and F. A. Wegener. 1,639,682; Aug. 23.
Gases, Device for indicating and recording the specific gravity of. O. Dommer. 1,640,313; Aug. 23.
Gate. R. Kyfes. 1,640,329; Aug. 23.
Gate. R. A. Sallee. 1,640,135; Aug. 23.
Gauge: *See*—
Alarm gauge. Cloth gauge.
Generating plant. L. I. Kelly. 1,639,737; Aug. 23.
Generating sets, Speed regulator for high-frequency. M. Latour. 1,640,002; Aug. 23.
Glass and like transparent substances, Ornamenting. M. M. A. de Guedalla. 1,639,716; Aug. 23.
Glass furnace. G. D. Mantle. 1,639,657; Aug. 23.
Glass-grinding machines, Grading and delivering sand to. J. W. Cruikshank. 1,640,029; Aug. 23.
Glove, Fruit-picker's. J. Lundblad. 1,640,004; Aug. 23.
Golf club. W. L. Smith. 1,639,864; Aug. 23.
Golf-stroke-registering device. G. I. Thomson. 1,639,714–15; Aug. 23.
Grinding machine. J. Holland-Letz. Re16,713; Aug. 23.
Grinding machine, Centerless. C. H. Norton. 1,639,958; Aug. 23.
Grip tester. W. K. Edwards. 1,640,030; Aug. 23.
Hair-bobbing device. F. Lewis. 1,639,804; Aug. 23.
Hanger: *See*—
Beam hanger. Eaves-trough hanger.
Brake hanger. Seed-corn hanger.
Door hanger.
Harvesters, Sacking apparatus for potato. R. C. Zuckerman. 1,639,832; Aug. 23.
Hatchways, Weather guard for. J. F. Grunbock. 1,640,188; Aug. 23.
Hayrake, Sweep. G. R. Elmore. 1,640,031; Aug. 23.
Headlight, Dirigible. W. M. Sweet. 1,639,865; Aug. 23.
Headlight, Nonglare. J. B. and C. S. Nicholson. 1,640,288; Aug. 23.
Headlight wrench, Automobile. J. R. Rhoads. 1,640,296; Aug. 23.
Heat regulator, Thermostatic oven-. B. E. Meacham. 1,640,245; Aug. 23.
Heat retaining and distributing element. J. B. Laughlin. 1,639,739; Aug. 23.
Heater: *See*—
Electric water heater. Oil heater.
Gas heater. Water heater.
Heater. P. Neusser. 1,640,287; Aug. 23.
Heater cover, Automobile. E. P. Gray. 1,640,187; Aug. 23.
Heater or boiler, Water. L. J. Mitchell. 1,640,284; Aug. 23.
Heaters, Valve-controlling mechanism for water. T. J. Radke. 1,639,666; Aug. 23.
Heating and ventilating device. S. R. Lewis. 1,640,331; Aug. 23.
Heating apparatus. H. P. Hanson. 1,639,941; Aug. 23.
Heating purposes, Electrically-operated water heater or boiler for. S. D. Nesmith. 1,640,049; Aug. 23.
Hinge, Folding chair. O. H. Cole. 1,639,723; Aug. 23.
Hook: *See*—
Freight hook.
Hopper, Coal feeding. F. Dornbrook. 1,639,931; Aug. 23.
Hose coupling. R. Schawrow. 1,639,813; Aug. 23.
Hose, Flexible ventilating. W. H. Evans. Re16,719; Aug. 23.
Hose protector. E. Hoenisch. 1,640,276; Aug. 23.
Hot-air device. W. L. and L. K. Rathjen. 1,639,897; Aug. 23.
Hydraulic apparatus, Alleviator for. F. McFarland. 1,640,046; Aug. 23.
Hydrocarbon burner. C. A. Berkins. 1,639,920; Aug. 23.
Hydrocarbons, Treating heavy. A. D. Smith and J. Perl. 1,640,223; Aug. 23.
Indicator: *See*—
Speed indicator.
Inertia stripper. R. P. M. Davis. 1,639,840; Aug. 23.
Ink-ribbon stop mechanism. S. A. Neidich. 1,639,746; Aug. 23.
Innersole channel filler. L. H. Gilson. 1,639,770; Aug. 23.
Inscribing and recording machine, Commercial. R. Leysieffer. 1,640,003; Aug. 23.
Instrument-board panel. A. G. Smith. Des. 73,347; Aug. 23.
Internal-combustion engine. E. R. Evans. 1,639,762; Aug. 23.
Internal-combustion engine. A. Moorhouse. 1,639,892; Aug. 23.
Internal-combustion engine. P. H. Reid. 1,639,898; Aug. 23.
Internal-combustion engine. L. M. Woolson. 1,639,874; Aug. 23.
Internal-combustion engine, Constant-compression. A. L. Riker. Re16,711; Aug. 23.
Jack: *See*—
Automobile jack.
Jar closure. S. A. Hoge. 1,640,122; Aug. 23.
Jib-crane excavator. S. King. 1,640,124; Aug. 23.
Joint: *See*—
Anticreeping joint. Rail joint.
Flexible joint.
Key retainer, Draft-rigging-. J. Harris. 1,640,075; Aug. 23.
Key-ring holder. A. Johnson and J. A. Sidle. 1,640,278; Aug. 23.
Knife, Diathermy. S. H. Groff. 1,639,996; Aug. 23.
Labels, symbols, and the like on glass containers, Formation of. W. C. Hart. 1,640,076; Aug. 23.
Lamp. C. W. Meehan. 1,639,701; Aug. 23.
Lamp base. M. Rothbart. Des. 73,335–42; Aug. 23.
Lamp casing, Combined signal-. R. W. Norris. 1,640,008; Aug. 23.
Lamp, Hair drier and therapeutic. W. G. Shelton. 1,639,753; Aug. 23.

Lamp, Portable regulatable. W. A. Harvey. 1,639,774; Aug. 23.
Lamp socket. D. E. Hamiel. 1,640,180; Aug. 23.
Lamp, Table. L. W. Young. Des. 73,358; Aug. 23.
Lamp and making same, Tipless. J. S. Wheeler. 1,640,226; Aug. 23.
Lamps, Electric accumulator for hand. C. R. Fowler and E. M. Roberts. 1,640,119; Aug. 23.
Lamps, Husk for incandescent. F. Yokel. Des. 73,355; Aug. 23.
Lanterns or articles of similar nature, Body for. I. Rosenblatt. Des. 73,334; Aug. 23.
Lap robe. J. Skoler. 1,640,098; Aug. 23.
Latch. H. Bentrott. 1,639,878; Aug. 23.
Latch. C. S. Shilling and D. B. Louzon. 1,639,862; Aug. 23.
Latch and draft plate, Window. G. Helge. 1,639,849; Aug. 23.
Latch, Hopper. W. H. McClelland. 1,639,855; Aug. 23.
Lathe. G. D. Sundstrand. 1,639,756; Aug. 23.
Lathering device. F. W. Bacorn. 1,639,718; Aug. 23.
Legging. F. F. Norden and W. G. Loan. 1,639,783; Aug. 23.
License-plate fastener. O. E. Bogan. 1,640,106; Aug. 23.
Lighting fixture. H. Shardlow. Des. 73,345; Aug. 23.
Lighting-fixture rosette. M. Schlepp. Des. 73,343; Aug. 23.
Lighting post. W. Underwood. Des. 73,348; Aug. 23.
Liquid foods, Feeder for. C. P. Bettenga. 1,640,139; Aug. 23.
Liquid-fuel burner. O. J. Kirchen. 1,640,240; Aug. 23.
Liquids, Apparatus for filtering and purifying. C. H. Perry. 1,640,249; Aug. 23.
Lithographic printing surfaces, Washing. B. J. J. Goulding. 1,640,235; Aug. 23.
Loading device. I. F. Dains. 1,639,649; Aug 23.
Loading mechanism, Overhead. J. B. Webb. 1,639,758; Aug. 23.
Lock: *See*—
Nut lock.
Locks, Locksmith's instrument to open all standard makes of cylinder. G. J. Baron. 1,639,919; Aug. 23.
Locket. J. B. Kislinger. Des. 73,362; Aug. 23.
Locking device, Safety. P. Hoffman and J. B. Strong. 1,639,697; Aug. 23.
Locomotive. H. M. Pflager. 1,639,664; Aug. 23.
Locomotive structure. H. M. Pflager. 1,639,663; Aug. 23.
Locomotive tenders, Surplus-water-discharge system for. G. A. Johnson. 1,640,037; Aug. 23.
Loom for weaving. E. Kilner. 1,639,776; Aug. 23.
Loom transferrers, Laterally-movable detector in. K. J. Unwin. 1,639,869; Aug. 23.
Looms, Filling attachment for. G. H. McRae. 1,639,659; Aug. 23.
Looms, Needle feeler for. L. F. Hoffman and W. H. Wakefield. 1,639,850; Aug. 23.
Looms, Tool for Knowles. T. H. Donnelly. 1,639,842; Aug. 23.
Looms, Tube frame for Axminster. K. J. Unwin and W. H. Wakefield. 1,639,868; Aug. 23.
Lubricating device. C. Sutter and G. A. Pettit. 1,640,012; Aug. 23.
Machine element. G. H. Acker. 1,639,680; Aug. 23.
Machine for gathering turnips. H. Krause. 1,640,041; Aug. 23.
Machine for making ornamental crushed linings. H. A. Sliter. 1,639,972; Aug. 23.
Machine for washing table utensils. A. Dimatos and G. D. Michal. 1,640,114; Aug. 23.
Magneto. J. E. Périsset. 1,640 200; Aug. 23.
Mail box. D. S. Dillenbach. 1,640,268; Aug. 23.
Mail box. O. O. Kolstad. 1,640,153–4; Aug. 23.
Mail, Device for use in sorting and delivering. G. F. Ladd. 1,640,083; Aug. 23.
Mail-receiving apparatus, Rural. F. J. Clark. 1,639,722; Aug. 23.
Match container. H. D. Finch. 1,639,843; Aug. 23.
Match striking compositions, Manufacture of. H. W. Robinson. 1,640,224; Aug. 23.
Measuring and computing machine, Detachable counter bracket for supporting fabric. F. J. Tillman. 1,640,160; Aug. 23.
Measuring instrument. E. H. Gates. 1,639,936; Aug. 23.
Meat tenderer. S. H. McBride. 1,639,854; Aug. 23.
Metal strips, Machine for preparing. J. M. Fedders and F. H. Stolp. 1,640,147; Aug. 23.
Metallo-organic compounds, Making. C. A. Kraus and C. C. Callis. 1,639,947; Aug. 23.
Meter: *See*—
Electricity meter.
Milk, Apparatus for condensing. R. M. Garrett. 1,640,271; Aug. 23.
Mill: *See*—
Rolling mill.
Miter box. M. S. Dearborn. 1,640,312; Aug. 23.
Mixer: *See*—
Concrete mixer.
Mixers, Flexible seal for. F. E. Bager. 1,640,174; Aug. 23.
Mold: *See*—
Butter mold. Sand mold.
Casting mold.
Motor-control mechanism. C. H. McCullough. 1,640,086; Aug. 23.
Motors, Starting synchronous. C. T. Hibbard. 1,640,322–23; Aug. 23.
Motors, Starting system for synchronous. C. T. Hibbard. 1,640,321; Aug. 23.
Movement of sheets, Changing the direction of. A. Broadmeyer. 1,640,108; Aug. 23.
Mower-pitman connection. J. H. Schonhoff. 1,640,053; Aug. 23.
Multiple plural switch. N. R. Mayoza. 1,639,952; Aug. 23.
Musical instruments, Instruction device for. H. C. Klink. 1,640,125; Aug. 23.
Nautical instrument. G. Koffskey. 1,640,328; Aug. 23.
Newspaper-core-stripping machine. F. Murray. 1,640,090; Aug. 23.
Nozzle, Spray. B. H. Coffey and G. S. Dauphinee. 1,639,685; Aug. 23.
Nut lock. G. E. Jonsson. 1,639,803; Aug. 23.
Nut, Self-locking. D. W. Berlin. 1,639,681; Aug. 23.
Observation instrument. P. Rosenstein. 1,640,096; Aug. 23.
Oil, Apparatus for the distillation of. F. T. Manley. 1,640,202; Aug. 23.
Oil burner. A. Misch. 1,639,744; Aug. 23.
Oil burners, Air preheater for. A. T. Johanson. 1,640,081; Aug. 23.
Oil-display apparatus. C. Spaeth. 1,640,225; Aug. 23.
Oil heater. O. J. Kirchen. 1,640,241; Aug. 23.
Oil heater, Lubricating. R. W. Bergstrom. 1,640,176; Aug. 23.
Ores, Concentration of. R. E. Sayre. 1,640,218; Aug. 23.
Organ action. J. T. Austin. 1,640,306; Aug. 23.
Organ relay. M. H. Sampson. 1,639,901; Aug. 23.
Organ stop action. J. T. Austin. 1,640,307; Aug. 23.
Oscillator, Vacuum-tube. W. Schaffer. 1,639,671; Aug. 23.
Oven, Baker's. C. Brown. 1,640,333; Aug. 23.
Oxides of carbon, Electrochemical production of solid. B. K. Brown. 1,639,980; Aug. 23.
Oxides of nitrogen in sulphuric-acid manufacture, Recovery of. A. M. Fairlie. Re16,709; Aug. 23.
Package-binding implement. V. Ragona. 1,639,896; Aug. 23.
Packaging toric articles. E. H. Angier. 1,640,021; Aug. 23.
Packing, Piston-ring spring. A. B. Low. 1,640,155; Aug. 23.
Packing ring for pistons. A. C. Hoecker. 1,640,151; Aug. 23.
Pad: *See*—
Shoulder pad.
Painting and the production of the same. F. Blau. 1,640,230; Aug. 23.
Paper-making machine. J. Moravec. 1,640,007; Aug. 23.
Partition, Adjustable. J. R. Clark. 1,639,795; Aug. 23.
Pasteurizing apparatus. S. Oyama. 1,640,289; Aug. 23.
Pelorus. W. O. White. 1,640,166; Aug. 23.
Perforating machines, Gauge for. W. F. Lautenschlager. 1,639,949; Aug. 23.
Perylene, Manufacture of. C. H. Marschalk. 1,639,658; Aug. 23.
Petroleum products, Purifying. S. J. Dickey and R. C. Wheeler. 1,639,988; Aug. 23.
Photographic plates and films, Protecting the gelatin coating of. C. Glaser, née Pietti. 1,640,148; Aug. 23.
Photographic prints, Machine for squeegeeing, mounting, and drying. J. A. MacBride and A. E. Peyser. 1,640,131; Aug. 23.
Picture projecting or peeping appliance, Moving. W. Porak. 1,639,792; Aug. 23.
Pin and clasp, Combination. L. O. Nichols. 1,640,205; Aug. 23.
Pinwheel. J. Heberling. 1,639,943; Aug. 23.
Pipe: *See*—
Sewer pipe. Tobacco pipe.
Pipe-welding plant. J. H. Sennett. 1,640,220; Aug. 23.
Pipe wrench. J. E. Conway. 1,639,883; Aug. 23.
Pipe wrench. M. W. Crow. 1,640,265; Aug. 23.
Pipes, Installing ground. J. M. Humiston. 1,639,731; Aug. 23.
Piston ring. E. Brown. 1,640,109; Aug. 23.
Piston-ring compressor. J. L. Fiori. 1,639,690; Aug. 23.
Plant support. O. A. Müller. 1,639,781; Aug. 23.
Planter, Corn. C. James. 1,640,238; Aug. 23.
Plate or analogous article. H. E. Nock. Des. 73,330; Aug. 23.
Platter retaining device. C. H. Hapgood. 1,640,074; Aug. 23.
Plug. E. F. Potter. 1,639,858; Aug. 23.
Plug, Expanding. L. P. Kovanda. 1,640,128; Aug. 23.
Pocket. C. R. Wood. 1,639,830; Aug. 23.
Pocket and pencil clasp. J. A. Ewen. 1,639,651; Aug. 23.
Pocket or similar article, Wall. R. De Boer. Des. 73,283; Aug. 23.
Portioning machine. L. L. Knox and W. H. Lewis. 1,640,126; Aug. 23.
Postholes and wells, Auger for. H. Grothe. 1,639,930; Aug. 23.
Pot construction, Fire. O. J. Groehn and W. Blaskewitz. 1,639,938; Aug. 23.
Powder press. W. G. Kendall. 1,640,000; Aug. 23.
Power actuators, Providing suction for operating. C. S Bragg and V. W. Kliesrath. 1,639,979; Aug. 23.

Power shovel. L. A. Russell. 1,639,752; Aug. 23.
Power shovel. W. W. Sloane. 1,640,055; Aug. 23.
Power take-off device. H. J. Riach. 1,639,812; Aug. 23.
Power-transmitting device. P. L. Clark. 1,639,925; Aug. 23.
Precision adjustment device. J. R. Gammeter. 1,639,885; Aug. 23.
Press: *See*—
Powder press.
Press. R. Baccellieri. 1,639,791; Aug. 23.
Press plates, Machine for making. A. T. Koppe. 1,639,738; Aug. 23.
Pressing machine, Garment. A. R. Braun. 1,640,142; Aug. 23.
Pressing machines having a start and stop motor, Mechanism for. J. P. Daly. 1,640,144; Aug. 23.
Pressing machines, Power attachment for. C. E. Waream. 1,640,015; Aug. 23.
Printed form. H. O. Bonnar. 1,639,683; Aug. 23.
Printing apparatus. G. H. Walters. 1,639,789; Aug. 23.
Propeller. B. U. Sepúlveda. 1,639,785; Aug. 23.
Propeller and motor, Turbine-wheel. C. B. Strandgren. 1,639,908; Aug. 23.
Pruning implement. L. Williams. 1,640,168; Aug. 23.
Pulp screen. J. A. Dickinson. 1,639,797; Aug. 23.
Pulp tubes or the like, Apparatus for handling. H. Parker. 1,640,133; Aug. 23.
Pump. E. S. MacPherson. 1,639,779; Aug. 23.
Pump. J. O. Nash. 1,639,956; Aug. 23.
Pump, Rotary. H. A. Witteman. 1,640,169; Aug. 23.
Pump, Self-metering rotary. P. C. Petersen. 1,639,961; Aug. 23.
Pumps, Device for illustrating the operation of rotary. G. B. Wright. 1,639,918; Aug. 23.
Pumping installation and the like, Deep-well. A. C. Potter. 1,639,703; Aug. 23.
Push-button switch. O. Thesen. 1,639,757; Aug. 23.
Rack: *See*—
Utility rack.
Radiator. A. Palka. Des. 73,331; Aug. 23.
Radiator cap. W. H. Schulze. Des. 73,344; Aug 23.
Radiator cap. J. F. White Des. 73,351; Aug. 23.
Radiators, Thermostatic supply valve for steam. J. J. Lawler. 1,640,243; Aug. 23.
Radio apparatus. F. S. McCullough. 1,639,805; Aug. 23.
Radio apparatus, Induction coil for. W. H. Adams. 1,640,172; Aug. 23.
Radio position finding. R. H. Ranger. 1,639,667; Aug. 23.
Radio receiving sets, Mounting means for. F. L. Lord, 1,640,200; Aug. 23.
Radio sets, Antenna for use with. M. M. Conyers. 1,640,234; Aug. 23.
Radio signaling circuit. A. H. Taylor and L. C. Young. 1,639,816; Aug. 23.
Radio vacuum tubes, Socket for. C. Saenger. 1,639,971; Aug. 23.
Radios, Automatic lightning switch for. G. E. Roesch. 1,640,253; Aug. 23.
Rail-clamp signal. M. A. Ankele. 1,639,877; Aug. 23.
Rail joint. E. W. Price. 1,639,859; Aug. 23.
Rail joint. D. R. Richards. 1,639,969; Aug. 23.
Railway crossings, Gate for. V. and J. Szuch. 1,639,866; Aug. 23.
Railway switching device. B. Martini. 1,640,204; Aug. 23.
Range, Electric. H. A. Ziola. Des. 73,359; Aug. 23.
Receptacle, Ash. J. S. Wise, jr. 1,639,760; Aug. 23.
Receptacle balls, Attaching device for. J. C. Andresen and H. F. Marten. 1,639,975; Aug. 23.
Receptacle, Saturating. C. Still. 1,639,700; Aug. 23.
Rectifying column. J. F. Cyphers. 1,640,068–9; Aug. 23.
Refrigerating apparatus. W. W. Conner. 1,639,986; Aug. 23.
Refrigerator. D. A. Rizer. 1,640,252; Aug. 23.
Regulator: *See*—
Heat regulator.
Reservoirs in desert countries, Building storage. C. H. Spencer. 1,640,099; Aug. 23.
Resilient wheel. H. N. Wayne. 1,639,827; Aug. 23.
Rheostat. P. Crosley, jr. 1,640,028; Aug. 23.
Rheostat. A. F. C. Lotz. 1,639,951; Aug. 23.
Rice separator. A. A. Schoenegg. 1,640,010; Aug. 23.
Rim, Automobile. B. D. Gordon and W. H. Pearen. 1,639,886; Aug. 23.
Rim, Demountable. F. W. French. 1,639,991; Aug. 23.
Ring: *See*—
Packing ring. Piston ring.
Roller: *See*—
Clutch roller.
Rolling mill, Variable-speed. D. A. Keating. 1,639,851; Aug. 23.
Rubber, Accelerating the vulcanization of. W. Scott. 1,639,903; Aug. 23.
Rubber-tube trimming, wrapping, and rolling machine. W. Nicholas. 1,640,050; Aug. 23.
Rustproofing and articles produced thereby. M. Green and H. H. Willard. 1,639,694; Aug. 23.
Sack jigger. H. G. Williams. 1,640,103; Aug. 23.
Sand mold. A. W. Ferring. 1,639,934; Aug. 23.
Sash and lock construction, Window. R. T. Axe. 1,640,173; Aug. 23.
Sash holder and window release, Combined. J. L. Armstrong. 1,640,004; Aug. 23.
Satchels, Automatic alarm for. E. F. Scales. 1,640,254; Aug. 23.
Scale, Advertising. S. G. Crane. 1,640 112; Aug. 23.
Scale, Recording weighing. H. O. Hem. 1,640,078; Aug. 23.
Scale, Weighing. C. H. Hapgood. 1,640,073; Aug. 23.
Scale, Weighing. O. C. Reeves. 1,639,811; Aug. 23.
Scales, Preventing sag and protecting bearings of platform weighing. M. H. Winslow. 1,639 829; Aug. 23.
Scoop, Ice-cream. G. T. Parr. 1,639,809; Aug. 23.
Screen: *See*—
Deck screen. Pulp screen.
Screw threads, Measuring tool for. O. Peglow. 1,640,215; Aug. 23.
Seat with folding back. J. A. Halais. 1,640,273; Aug. 23.
Seed-corn hanger. C. N. Hill. 1,639,729; Aug. 23.
Separator: *See*—
Rice separator.
Sewer pipe. O. R. Humphreys. 1,639,999; Aug. 23.
Sewing machines, Stitch-forming mechanism for. K. Maier. 1,640,201; Aug. 23.
Shade and curtain hangers, Vertical adjuster for. L. H. Robinson. 1,639,668; Aug. 23.
Shafts, Center finder for. A. Raber. 1,640,295; Aug. 23.
Shafts, Flexible coupling for. K. Baumann. 1,639,644; Aug. 23.
Shaker, Condiment. F. E. Miller. 1,640,005; Aug. 23.
Shank-beating and stitch-rubbing machine. L. G. Freeman. Re16,710; Aug. 23.
Shaving-stick holder. E. R. Butler and W. T. Singer. 1,640,027; Aug. 23.
Shears. T. M. Vaughan. 1,639,677; Aug. 23.
Sheet-form material, Machine for cutting. C. B. Gray. 1,639,994; Aug. 23.
Sheet inserter. H. C. Miller. 1,640,132; Aug. 23.
Sheet-metal caps, Machine for operating upon. W. Cameron. 1,639,646; Aug. 23.
Shells and the like projectiles, Clockwork-operated mechanical fuse for. A. Varaud. 1,640,165; Aug. 23.
Shock-absorbing mechanism, Friction. A. M. Brenne. 1,640,066; Aug. 23.
Shock-absorbing mechanism. J. F. O'Connor. 1,640,209; Aug. 23.
Shock-absorbing mechanism, Friction. W. A. Geiger. 1,640 033; Aug. 23.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,640,206; Aug. 23.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,640,210–12; Aug. 23.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,640,066; Aug. 23.
Shoe. D. E. Cool. 1,640 067; Aug. 23.
Shoe and stocking protector. F. A. Colburn. 1,640,334; Aug. 23.
Shoe, Arch or truss. L. Davidson. 1,639,930; Aug. 23.
Shoe attachment. C. Van Tassell. 1,640,302; Aug. 23.
Shoe-bottom construction. L. H. Gilson. 1,639,769; Aug. 23.
Shoe soles, Machine for operating upon. M. F. Brogan. 1,639,720; Aug. 23.
Shoes, Making. M. F. Brogan. 1,639,721; Aug. 23.
Shoes, Ornamentation for. F. A. Ballou and R. T. Stafford. 1,650,104; Aug. 23.
Shoulder pad. H. B. Latina. 1,640,042; Aug. 23.
Shovel: *See*—
Power shovel.
Show case. C. J. Abeln. 1,639,875; Aug. 23.
Shredder, Cornstalk. T. E. Burner. 1,639,837; Aug. 23.
Shutter-operating means. W. A. Collins. 1,640,233; Aug. 23.
Sign. A. C. Elphinstone. 1,639,689; Aug. 23.
Signal: *See*—
Automobile signal. Rail-clamp signal.
Signal. J. A. D. Rosiers. 1,640,266; Aug. 23.
Signal. C. Stiles. 1,639,907; Aug. 23.
Signaling apparatus. W. G. Lamb. 1,640,129–30; Aug. 23.
Signaling mechanism. R. A. Neuschotz. 1,640,286; Aug. 23.
Signaling system. A. M. Curtis. 1,639,929; Aug. 23.
Skate, Roller. G. R. Salberg. 1,640,134; Aug. 23.
Small movements, Apparatus for amplifying. F. G. Creed and A. Orling. 1,639,889; Aug. 23.
Smoke box, Locomotive. W. L. Bean. 1,639,792; Aug. 23.
Smoke consumer. J. T. Jones. 1,639,736; Aug. 23.
Smoker's stand. J. C. Cramer. Des. 73,281; Aug. 23.
Sodium thiosulphate, Manufacture of. F. W. Sperr, jr., and D. L. Jacobson. 1,639,905; Aug. 23.
Solder, Alumino. M. Toril. 1,640,161; Aug. 23.
Soldering machine. J. H. Murch. 1,639,955; Aug. 23.
Sole for shoes, Exchangeable. A. Torchia. 1,640,301; Aug. 23.
Soot blower. J. H. Reedy and W. J. Lickert. Re16,714; Aug. 23.
Sound-amplifying construction. J. Kersten. 1,639,656; Aug. 23.
Sound, Device for transmitting or reproducing. S. G. Brown. 1,639,924; Aug. 23.
Sound, Method of and apparatus for electrically producing. T. Bodde. 1,640,140; Aug. 23.
Sound, Method of and apparatus for electrically producing. T. Bodde. 1,640,141; Aug. 23.

Sound, Reproduction of. A. F. Sykes. 1,639,713; Aug. 23.
Spark consumer. C. F. Gerlinger. 1,650,120; Aug. 23.
Spark unit, Film-piercing. C. F. Jenkins. 1,639,775; Aug. 23.
Speed indicator. G. H. Lang. 1,640,197; Aug. 23.
Spinning device. S. Gjankovich. 1,639,844; Aug. 23.
Spinning, doubling, twisting, and like machines, Doffing mechanism for. A. and C. Rhodes. 1,639,968; Aug. 23.
Spinning frames, Oiling traveler of. C. A. Pierce. 1,639,749; Aug. 23.
Spinning, twisting, and like frame. T. A., H. A., and J. Boyd. 1,639,794; Aug. 23.
Splint, Arm. J. R. Siebrandt. 1,639,815; Aug. 23.
Splitting machine, Veneer-. R. M. Barron. 1,640,023; Aug.23.
Spoon or similar article. W. T. Brown. Des. 73,279; Aug. 23.
Spoon or similar article. R. L. Danks and M. L. Baker. Des. 73,282; Aug. 23.
Spraying apparatus. W. Clauson. 1,640,111; Aug. 23.
Spring stabilizer. A. J. Hollfield. 1,639,944; Aug. 23.
Sprinkler. M. W. McArdle. Des. 73,327; Aug. 23.
Sprinkler or fire extinguisher, Automatic. J. Taylor. 1,639,911; Aug. 23.
Spudding wheel. C. M. Heeter. 1,639,654; Aug. 23.
Standing board. C. V. Jonasson and H. J. Boal. 1,640,326; Aug. 23.
Statuette. S. I. Berger. Des. 73,277; Aug. 23.
Steam boiler. C. H. Haas and L. J. Mitchell. 1,640,317; Aug. 23.
Steam generator. P. J. O. Miller. 1,639,953; Aug. 23.
Steam, Stopping leakage of. L. S. Watres. 1,640,062; Aug. 23.
Stocking and sock. A. M. S. Schnieber. 1,640,255; Aug. 23.
Stoker, Underfeed. W. F. Trotter. 1,640,164; Aug. 23.
Storage battery. S. A. Breuis. 1,639,922; Aug. 23.
Strainer, Pipe-line. E. J. Drexler. 1,640,070; Aug. 23.
Stretcher. W. H. Heise. 1,639,801; Aug. 23.
Submarine mines, Depth-setting gear for. H. B. Pratt. 1,639,810; Aug. 23.
Sugar-mill machinery. J. E. Stuntz. 1,640,059; Aug. 23.
Sugar-mill machinery. G. I. Theile. 1,640,060; Aug. 23.
Suit, Parachute. P. Bunevac. 1,640,110; Aug. 23.
Sulphides, Manufacture of alkali-metal. H. Freeman. 1,640,314–15; Aug. 23.
Supporting bracket. A. Marlewski. 1,640,203; Aug. 23.
Surgical instrument. W. C. Dawes. 1,640,311; Aug. 23.
Sweaters and the like, Attachment for. S. H. Cohen. 1,639,928; Aug. 23.
Sweeper, Electric suction. I. J. Owen. 1,639,959; Aug. 23.
Swelling machine, Cereal-. C. Suzuki. 1,639,909; Aug. 23.
Swing, Porch. G. L. Hall. 1,640,274; Aug. 23.
Switch; *See*—
Electric switch. Push-button switch.
Multiple plural switch. Thermostatic switch.
Switch or cut-out, Thermostatic safety. P. Strughold. 1,640,300; Aug. 23.
Table. C. W. Weston. Des. 73,350; Aug. 23.
Tables, Apparatus for operating extension. T. Wall. 1,639,825; Aug. 23.
Tachometer. E. Blum. 1,639,978; Aug. 23.
Tag. H. E. Kondolf. 1,640,196; Aug. 23.
Tag and making same. H. E. Kondolf. 1,640,195; Aug. 23.
Tag, Laundry-marking. C. W. Canine. Re16,717; Aug. 23.
Tapping machine. H. S. Bergen. 1,640,105; Aug. 23.
Tapping machines, Electric reversing device for. B. S. T. Bishop and P. E. Dow. 1,640,177; Aug. 23.
Tee box. H. A. Fisher. 1,639,765; Aug. 23.
Teeter board, Child's. L. L. Henry and E. Hetherington. 1,640,150; Aug. 23.
Telegraph station, Wireless. H. J. J. M. de R. de Bellescize. 1,639,686; Aug. 23.
Telephone relay. A. Deviatkoff. 1,640,267; Aug. 23.
Telephonic apparatus, Diaphragm for. G. Lakhovsky. 1,640,330; Aug 23.
Telephone attachment. W. M. Young. 1,640,227; Aug. 23.
Telephone cabinet. R. C. Bennett. Des. 73,276; Aug. 23.
Telephone instruments, Cleaning device for dials of. G. K. Thompson. 1,639,819; Aug. 23.
Telephone system, Automatic. O. A. Friend and G. E. Dustin. 1,639,799; Aug. 23.
Telephone system, Party-line automatic. R. G. Richardson and J. I. Bellamy. 1,640,157; Aug. 23.
Telephone systems, Service-observing apparatus for automatic. F. T. Madsen. 1,640,085; Aug. 23.
Telephone transmission, Two-way. H. S. Hamilton. 1,639,773; Aug. 23.
Telephones, Dial mechanism for automatic. A. Luckie and T. L. Mangum. 1,639,891; Aug. 23.
Tent. F. M. Stoll. 1,639,755; Aug. 23.
Testing cover, support and pipe therefor. A. E. Stringer. 1,640,057; Aug. 23.
Testing device. E. G. Thomas. 1,639,818; Aug. 23.
Thermostat. J. A. Spencer. 1,639,768; Aug. 23.
Thermostatic appliance. H. J. Sauvage. 1,639,902; Aug. 23.
Thermostatic switch. W. J. Hawkins. 1,639,888; Aug. 23.
Thermostatic switch. E. Stranszky. 1,640,257; Aug. 23.
Thread protector. P. J. Shrum and H. A. Henigen. 1,639,814; Aug. 23.
Ticket, Marking. J. G. Moran. 1,640,006; Aug. 23.
Tie; *See*—
Bow tie.
Timer, Ignition. W. H. Brown. 1,640,231; Aug. 23.
Tire. W. C. Hoover. Des. 73,289; Aug. 23.
Tire-building apparatus. J. R. Gammeter. 1,640,072; Aug. 23.
Tire rim. B. J. Zobel. 1,640,305; Aug. 23.
Tire tubes, Apparatus for finishing. H. H. Hastings. 1,640,077; Aug. 23.
Tire, Vehicle. D. L. Guvia. 1,639,940; Aug. 23.
Tires, Valve base for pneumatic. A. E. Henderson 1,639,998; Aug. 23.
Tobacco denicotining process and apparatus. J. Sartig. 1,640,298; Aug. 23.
Tobacco pipe. H. E. Shoop. 1,640,097; Aug. 23.
Tool. S. E. Small. 1,640,256; Aug. 23.
Tool and electric bulb, Combined. J. A. Humm. 1,639,889; Aug. 23.
Tool for scraping bearings. R. O. Barnes. 1,640,175; Aug. 23.
Tool, Miner's hand. C. G. Murphy. 1,640,089; Aug. 23.
Tool, Tire and rim. R. H. Hatfield. 1,639,887; Aug. 23.
Tool, Valve-seat-refacing. L. O. Beard. 1,639,835; Aug. 23.
Tool, Welding. G. W. Duncan. 1,639,688; Aug. 23.
Tools, Tool feed for machine. W. F. Groene. 1,639 995; Aug. 23.
Toothbrush. J. B. Butler. 1,639,880; Aug. 23.
Toric articles, Packaging. E. H. Angier. 1,640,022; Aug 23.
Tow rope. A. P. Denis. 1,640,183; Aug. 23.
Towel dispenser, Paper-. J. F. Leidecker. 1,640,043; Aug. 23.
Toy. F. Mucci. Des. 73,328; Aug. 23.
Toy novelty. W. O. Yancey. 1,640,171; Aug. 23.
Tractor and plow hitch, Automatic. P. M. Heffernan. 1,640,237; Aug. 23.
Tractor skidder. J. R. McGiffert. 1,639,806; Aug. 23.
Traffic-signal device, Street. J. E. Wright. 1,640,170; Aug. 23.
Transformer. R. L. Osborne. 1,639,662; Aug. 23.
Transmission unit, Air vent for. G. W. Rydner. 1,639,670; Aug. 23.
Trap; *See*—
Bucket trap.
Trays, frames, and the like, Metallic construction for serving. H. Somerfleck. 1,640,011; Aug. 23.
Tripod mount. S. G. Green. 1,639,846; Aug. 23.
Trolley-wheel retainer. H. G. Winter. 1,640,304; Aug. 23.
Truck. P. F. Burgett. 1,640,263; Aug. 23.
Truck brake, Automatic stevedore-. A. J. Becker. 1,640,308; Aug. 23.
Truck, Railway-car. T. V. Buckwalter. 1,640,179–80; Aug. 23.
Truck stake and mounting therefor. D. W. Riddle. 1,639,970; Aug. 23.
Truck wheel, Dual-tired. L. D. Kay. 1,640,338; Aug. 23.
Truss. C. J. Traub. 1,639,910; Aug. 23.
Trusses, Adjustable securing device for. H. P. Baltzer. 1,640,229; Aug. 23.
Tubes and using the same, Making a rubber composition for lining. J. Schwab, jr. 1,639,861; Aug. 23.
Tubing cleaner. A. E. Neumeyer. 1,639,660; Aug. 23.
Turbine-reversing mechanism. A. H. Katterjohn. 1,640,082; Aug. 23.
Turning device. C. S. Nelson. 1,639,856; Aug. 23.
Typewriters, Automatic line indicator for. G. N. Alworth. 1,640,337; Aug. 23.
Typewriters, Back spacer for. O. A. Hokanson and J. F. Koca. 1,640,123; Aug. 23.
Typewriting machine and case. G. W. Campbell. 1,639,761; Aug. 23.
Utility rack. H. L. Leckliter. 1,640,279; Aug. 23.
Vacuum cleaner. J. W. L. Acosta. 1,639,876; Aug. 23.
Vaginal balloon. C. Tomasulo. 1,640,014; Aug. 23.
Valve. K. Marscheider. 1,639,743; Aug. 23.
Valve. B. L. Olofsson and R. E. Peterson. 1,640,247; Aug. 23.
Valve-control mechanism. E. A. Field and E. A. Field, jr. 1,639,935; Aug. 23.
Valve, Electrically-operated. C. T. Hibbard. 1,640,324; Aug. 23.
Vats, Valve for milk. D. A. Mannum. 1,639,853; Aug. 23.
Valve mechanism, Inlet-. P. Haas. 1,639,997; Aug. 23.
Valve, Self-grinding. J. F. Kelly. 1,640,040; Aug. 23.
Valve, Two-way. K. O. Nelson and H. J. Nunnemacher. 1,640,093; Aug. 23.
Valve, Two-way drain. A. L. Mitchell. 1,639,954; Aug. 23.
Vanity chest. T. J. Pilliod. 1,639,963; Aug. 23.
Vehicle, Motor. H. D. Church. 1,639,881; Aug. 23.
Vehicle, Motor. A. L. Knapp. 1,639,890; Aug. 23.
Vehicles, Buffer for motor. F. Hanel. 1,640,320; Aug. 23.
Vehicles, Running-gear structure for. F. M. Reid. 1,640,217; Aug. 23.

Vehicles, Safety apparatus for. J. E. Jufe. 1,640,336; Aug. 23.
Vehicles, Speed-controlling device for motor-driven. F. O. Gray. 1,640,149; Aug. 23.
Vending machine, Coin-controlled liquid-. J. Zsoldos. 1,639,679; Aug. 23.
Vending machine, Sanitary-toilet-seat-paper-. J. Mortka. 1,640,285; Aug. 23.
Ventilating closet. E. H. and C. E. Raper. 1,639,966; Aug. 23.
Visor for motor vehicles, Sun. C. C. Megown. 1,640,088; Aug. 23.
Vulcanizer. C. C. Marble. 1,640,281; Aug. 23.
Wall boards, Erecting machine for. F. J. Pfiffner. 1,639,962; Aug. 23.
Wall construction. G. F. Voight. 1,640,303; Aug. 23.
Wall, Interior. J. B. Blaw. 1,640,065; Aug. 23.
Washing machine. R. J. Clark, jr. 1,640,232; Aug. 23.
Washing machine. A. G. Wanek. 1,639,872; Aug. 23.
Washing machines, Cleaning-material feeder for. N. W. Halsey. 1,640,319; Aug. 23.
Washing machines of the spray type, Cleaning-material feeder for. N. W. Halsey. 1,640,318; Aug. 23.
Waste can, Sanitary. J. F. Geibel. 1,639,992; Aug. 23.
Watch. J. B. Kislinger. Des. 73,328; Aug. 23.
Watchcase. J. B. Kislinger. Des. 73,361; Aug. 23.
Watch crystal. J. B. Kislinger. Des. 73,360; Aug. 23.
Water heater. H. W. O'Dowd. 1,639,748; Aug. 23.
Water heater, Electric. S. D. Nesmith. Re16,715–16; Aug. 23.
Water heater, Electrically-operated. S. E. Nesmith. 1,640,048; Aug. 23.
Waterer, Hog. F. F. Petrick. 1,640,292; Aug. 23.
Wave lengths, Changing. G. Hill and G. H. Clark. 1,639,696; Aug. 23.
Weeding, cultivating, and like purposes, Tool for. J. F. Raymond. 1,640,094; Aug. 23.
Weft detector, Box-motion-controlled electromagnetic. W. H. Wakefield. 1,639,822; Aug. 23.
Weft detector controlled by box motion, Yarn-impinging lay-actuated. W. H. Wakefield. 1,639,823; Aug. 23.
Weft detector controlled by pattern mechanism. W. H. Wakefield. 1,639,824; Aug. 23.
Weft exhaustion, Device to delay transmission of an indication of. A. A. Gordon. 1,639,845; Aug. 23.
Welding apparatus, Electric. F. P. McBerty. 1,640,244; Aug. 23.
Welding metal strands, Method of and apparatus for. J. W. Fay and C. Wales. 1,639,653; Aug. 23.
Wells, Apparatus for measuring depths of. C. E. Van Orstrand. 1,639,973; Aug. 23.
Wells, Apparatus for sinking and cleaning oil and water. M. A. King. 1,639,852; Aug. 23.
Wells, Gas anchor for oil. F. P. Jones. 1,639,734; Aug. 23.
Wheel; *See*—
Buffing wheel. Resilient wheel.
Caster wheel. Spudding wheel.
Disk wheel. Truck wheel.
Dual-tired wheel.
Wheel or tire handling apparatus. F. Rogers. 1,640,297; Aug. 23.
Winding strand material, Method of and mechanism for. S. Thronsen. 1,639,676; Aug. 23.
Wind rotor. H. Ellison. 1,640,269; Aug. 23.
Windmill. I. Wolf. 1,640,262; Aug. 23.
Window wiper. E. P. Locke. 1,639,778; Aug. 23.
Wire handle. W. B. Wills. 1,640,016; Aug. 23.
Wrench; *See*—
Headlight wrench. Pipe wrench.
Wrench. F. Dominelli. 1,639,798; Aug. 23.
Wrench. P. D. Stowell. 1,639,710; Aug. 23.
Wrench. J. Zilliox. 1,639,831; Aug. 23.
Wringer roll and making the same. J. J. Rathers. 1,640,216; Aug. 23.
Yacht, Model. R. F. B. Shaver. 1,639,707; Aug. 23.
Yarn, Warping. H. D. Clinton. 1,639,927; Aug. 23.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 23, 1927.

NOTE.—First number=class, second number=subclass, third number=patent number.

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68— 9: 1,640,015
1,640,142
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18: 1,639,872
1,640,232
33: 1,640,216
70— 9: 1,639,919
72— 39: 1,640,065
53: 1,639,867
1,639,999
101: 1,639,711
120: 1,640,303
73— 51: 1,640,242
110: 1,640,051
74— 6: 1,639,892
7: 1,639,812
1,639,881
1,639,885
14: 1,639,647
34: 1,639,925
58: 1,639,978
90: 1,640,149
109: 1,640,109
1,640,151
1,640,155
75— 1: 1,639,989
1,640,161
78— 87: 1,640,220
80— 54: 1,639,851
81— 57: 1,639,710
64: 1,640,256
84: 1,640,256
96: 1,639,883
1,640,265
145: 1,639,796
164: 1,639,831
82— 2: 1,639,756
1,639,905
83— 8: R. 16,713
42: 1,640,199
84— 88: 1,640,306
315: 1,640,125
345: 1,640,307
87— 17: 1,640,136
88— 18: 1,639,702
89— 40: 1,639,646
90— 12. 5: 1,639,835
91— 51: 1,640,219
68: 1,640,148
1,640,185
92— 24: 1,639,917
29: 1,639,797
51: 1,640,007
93— 2: 1,640,022
7? 1,640,316
94— 18: 1,639,763
1,639,764
95— 73: 1,639,738
96— 6: 1,639,673
97— 58: 1,640,094
68: 1,639,643
184: 1,639,768
1,639,777
98— 103: 1,640,187
99— 2: 1,639,909
11: 1,639,828
1,640,182
1,640,193
101— 18: R. 16,718
41: 1,639,789
94: 1,640,003
425: 1,640,235
102— 3: 1,639,665
1,639,810
9: 1,639,906
36: 1,640,165
103— 41: 1,639,961
82: 1,640,037
102: 1,639,703
125: 1,640,169
150: 1,639,645
179: 1,639,734
215: 1,639,956
104— 137: 1,639,726
275: 1,640,276
105— 4: 1,640,159
37: 1,639,792
172: 1,639,663
1,639,664
1,640,054
182: 1,640,179
1,640,180
205: 1,639,732
369: 1,639,649
107— 1: R. 16,712
14: 1,639,791
48: 1,639,809
57: 1,640,333
108— 1: 1,639,930
29: 1,639,916
110— 47: 1,640,164
49: 1,639,736
72: 1,640,056
1,640,158
97: 1,640,317
109: 1,639,931
111— 20: 1,640,238
112— 162: 1,640,201
234: 1,640,283
113— 14: 1,639,945
61: 1,639,955
115— 34: 1,639,675
116— 24: 1,640,129
1,640,130
36: 1,640,256
129: 1,639,811
118— 18: 1,639,968
57: 1,639,794
59: 1,639,749
119— 73: 1,640,139
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120— 2: 1,640,100
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121— 44: 1,639,747
70: 1,640,082
122— 14: 1,639,748
160: 1,640,267
302: 1,640,178
332: 1,639,737
392: R. 16,714
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122— 459: 1,640,062
123— 33: 1,639,848
52: 1,639,762
71: 1,639,898
75: R. 16,711
90: 1,639,874
149: 1,640,290
174: 1,639,745
185: 1,640,163
198: 1,639,979
126— 85: 1,640,248
1,640,284
92: 1,639,780
116: 1,640,241
190: 1,640,250
191: 1,640,036
214: 1,639,739
272: 1,640,289
127— 2: 1,640,059
1,640,060
128— 7: 1,640,096
88: 1,639,815
96: 1,640,229
120: 1,639,910
252: 1,640,152
255: 1,640,014
304: 1,640,113
329: 1,640,311
129— 1: 1,640,132
18: 1,639,946
24: 1,640,071
1,640,087
37: 1,639,821
131— 6: 1,640,298
12: 1,640,097
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51: 1,639,760
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132— 33: 1,639,900
45: 1,639,804
79: 1,639,963
134— 17. 5: 1,639,861
27: 1,640,092
135— 4: 1,639,755
5: 1,640,188
136— 81: 1,639,922
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137: 1,639,963
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139: 1,639,985
163: 1,640,119
137— 21: 1,639,853
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71: 1,640,046
77: 1,640,057
90: R. 16,719
91: 1,639,814
103: 1,640,115
104: 1,639,997
111: 1,639,670
139: 1,640,324
139— 1: R. 16,720
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77: 1,639,826
1,639,842
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229: 1,639,845
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271: 1,639,869
273: 1,639,822
276: 1,639,850
284: 1,639,823
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140— 71: 1,640,016
73: 1,639,896
112: 1,639,662
1,639,663
141— 9: 1,639,834
1,640,114
1,640,318
1,640,319
142— 88: 1,640,312
144— 174: 1,640,023
208: 1,639,856
145— 47: 1,640,176
66: 1,640,020
146— 84: 1,639,706
146— 106: 1,639,807
148— 6: 1,639,694
150— 14: 1,640,083
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151— 19: 1,639,803
21: 1,639,681
152— 8: 1,639,940
13: 1,639,998
21: 1,639,886
27: 1,640,327
29: 1,639,827
153— 2: 1,640,147
154— 2: 1,639,656
10: 1,640,072
155— 147: 1,640,273
156— 27: 1,639,668
157— 6: 1,639,887
158— 28: 1,639,744
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33: 1,639,938
36. 1: 1,639,784
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63: 1,640,240
91: 1,639,920
99: 1,639,693
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60: 1,640,090
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171— 97: 1,639,882
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119: 1,639,662
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174— 89: 1,639,996
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175— 41: 1,639,650
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177— 316: 1,640,254
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337: 1,640,170
353: 1,639,987
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91: 1,639,839
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18: 1,639,799
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83: 1,640,336
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183— 103: 1,640,120
184— 104: 1,639,680
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189— 1: 1,640,091
92: 1,639,836
190— 36: 1,639,790
191— 80: 1,640,304
192— 45: 1,639,974
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194— 10: 1,640,285
34: 1,640,030
195— 13: 1,640,068
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196— 59: 1,640,223
119: 1,640,202
147: 1,639,988
197— 6. 7: 1,639,733
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91: 1,640,123
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140: 1,639,888
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201— 55: 1,639,951
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206— 1: 1,639,964
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44: 1,639,750
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209— 166: 1,640,218
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211— 2: 1,640,084
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25: 1,639,875
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32: 1,640,066
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33: 1,640,206
34: 1,640,212
36: 1,640,210
61: 1,640,075
212: 1,639,717
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215— 3.8: 1,640,192
21: 1,640,095
51: 1,640,009
95: 1,640,122
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36: 1,639,873
47: 1,639,921
126: 1,639,975
219— 4: 1,639,688
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38: 1,639,953
39: R. 16,715
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36: 1,639,992
221— 47.4: 1,640,012
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95: 1,639,679
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96: 1,640,156
223— 52: 1,639,972
224— 28: 1,640,004
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226— 55: 1,640,103
61: 1,639,832
226— 71: 1,640,000
86: 1,640,332
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66: 1,639,759
230— 7: 1,640,274
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40: 1,639,722
235— 6: 1,639,923
236— 15: 1,640,245
35: 1,640,233
42: 1,640,243
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238— 182: 1,639,969
195: 1,639,960
198: 1,639,859
240— 1: 1,639,774
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48.2: 1,640,288
62: 1,639,865
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72: 1,640,013
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25: 1,639,833
246— 147: 1,639,697
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250— 2: 1,639,667
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253— 72: 1,639,646
254— 145: 1,639,806
149: 1,639,669
255— 11: 1,639,735
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68: 1,639,939
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257— 135: 1,640,331
168: 1,639,941
178: 1,639,857
259— 126: 1,639,932
260— 11: 1,639,947
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130: 1,639,957
168: 1,639,658
261— 105: 1,640,291
123: 1,639,709
262— 9: 1,639,741
264— 2: 1,640,197
265— 1: 1,639,884
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20: 1,639,714
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27: 1,640,074
44: 1,640,313
49: 1,640,079
61: 1,639,818
70: 1,640,073
72: 1,639,829
266— 30: 1,640,251
267— 37: 1,639,942
45: 1,639,944
268— 72: 1,640,213
270— 65: 1,640,017
77: 1,639,948
271— 69: 1,640,108
272— 36: 1,640,038
272— 55: 1,640,150
273— 32: 1,639,765
80: 1,639,864
88: 1,639,893
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280—33.14: 1,640,153
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281— 38: 1,640,246
282— 12: 1,639,683
285— 7: 1,639,772
92: 1,639,800
93: 1,639,771
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287— 87: 1,639,092
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292— 15: 1,640,143
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189: 1,640,035
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257: 1,639,870
293— 55: 1,640,145
1,640,146
1,640,222
1,640,320
294— 26: 1,640,102
81: 1,639,788
296— 43: 1,639,970
61: 1,639,879
84: 1,639,890
95: 1,640,068
97: 1,640,299
297— 8: 1,639,742
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299— 1: 1,640,026
24: 1,640,272
84: 1,640,111
114: 1,639,685
301— 11: 1,639,991
22: 1,640,063
35: 1,640,305
36: 1,640,338
1,640,339
303— 6: 1,640,055
304— 24: 1,640,208
29: 1,639,962
308— 106: 1,639,654
134: 1,639,779
184: 1,639,684
224: 1,640,084
1,640,208
226: 1,640,207

Aug. 30, 1929

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams and Sons Grocer Company, Chillicothe, Mo. Canned spinach, sliced pineapple, crushed pineapple, chile con carne, etc. 232,024; Aug. 30; Serial No. 245,682; published June 7, 1927. Class 46.

Ajax Electric Specialty Company, St. Louis, Mo. Radio receiving sets and parts and accessories. 232,058; Aug. 30; Serial No. 234,427; published June 7, 1927. Class 21.

Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France, to Dollfus Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin), France, successor. Sewing cotton, linen and hemp yarn and thread jute yarns; silk, spun, thrown, or sewing; and yarns of wool, etc. 30,868; renewed Nov. 16, 1927.

Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie., Mulhausen, Germany, and Belfort and Paris, France, to Dollfus Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin), France, successor. Sewing cotton, linen and hemp yarn and thread, jute yarns; silk, spun, thrown, or sewing; and yarns of wool, worsted, or hair. 30,869; renewed Nov. 16, 1927.

Albright, John H., Hanover, Pa. Razors and barber shears. 232,128; Aug. 30. Class 23.

Alexandria Packing Corporation, Alexandria, Ind. Tomato paste and catchup. 232,111; Aug. 30; Serial No. 225,635; published Dec. 28, 1926. Class 46.

Alphaden Company, The. (See Meyer, Charles A.)

Amalgamated Dental Company Limited, The, London, England. Artificial teeth, dental cement, dental waxes, etc. 232,052; Aug. 30; Serial No. 246,585; published June 14, 1927. Class 44.

American Cellulose & Chemical Manufacturing Company, Ltd., The, now, by change of name, Celanese Corporation of America, New York, N. Y. Dresses, coats, bloomers, underwear, etc. 231,868; Aug. 30; Serial No. 239,347; published May 10, 1927. Class 39.

American Floor Surfacing Machine Co., The, Toledo, Ohio. Grinding, surfacing, and abrasive stones. 232,121; Aug. 30. Class 4.

American Parlor Furniture Company, Chicago, Ill. Beds. 232,041; Aug. 30; Serial No. 230,815; published June 21, 1927. Class 32.

American Stove Company, St. Louis, Mo. Stoves and ranges. 64,652; renewed Aug. 20, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 64,977; renewed Sept. 3, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 66,117; renewed Nov. 12, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 66,119; renewed Nov. 12, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 66,196; renewed Nov. 12, 1927.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool cotton, sewing cotton, and thread. 66,401; renewed Nov. 26, 1927.

Ames Shovel and Tool Company, Boston, Mass. Shovels, spades, and scoops. 232,008; Aug. 30; Serial No. 248,805; published June 21, 1927. Class 23.

Amme-Luther Werke Braunschweig der "Miag" Mühlenbau und Industrie Aktiengesellschaft, Brunswick, Germany. Hammer mills and other stone crushers. 231,849; Aug. 30; Serial No. 248,461; published June 14, 1927. Class 23.

Ant, Himmelbauer & Co., Mahrisch-Ostrau and Vienna, Austria, to Ant. Himmelbauer & Company, Vienna, Austria. Ceresin and ozocerite. 64,422; renewed Aug. 6, 1927.

Anti-Kan Soap Company. (See Jones, Thomas A.)

Apotheker Ludwig Sell & Co., Munich, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Powders, pastes, salves, and pills. 30,593; renewed Sept. 28, 1927.

Arctic Nu-Air Corporation, Chicago, Ill. Air-conditioning apparatus and cooling and ventilating systems. 231,950; Aug. 30; Serial No. 242,271; published June 21, 1927. Class 34.

Arcturus Radio Company, New York, N. Y. Radio detecting, rectifying, and amplifying tubes. 231,823; Aug. 30; Serial No. 246,527; published May 31, 1927. Class 21.

Arden Chemical Company, New York, N. Y. Eye bandages. 232,120; Aug. 30. Class 44.

Arkwright Finishing Company, Providence, R. I. Tracing cloth and pencil cloth. 231,860; Aug. 30; Serial No. 245,686; published June 14, 1927. Class 37.

Army and Navy Courier, The. (See Sullivan, McKenzie J.)

Aronson Manufacturing Company, Dallas, Tex. Frocks, dresses, and gowns. 232,106; Aug. 30; Serial No. 216,238; published Apr. 26, 1927. Class 39.

Artkraft Sign Company, The, Lima, Ohio. Electric signs. 231,872; Aug. 30; Serial No. 240,335; published June 7, 1927. Class 21.

Artsil Hosiery Mills, Inc., New York, N. Y. Silk hosiery. 232,088; Aug. 30; Serial No. 246,145; published May 31, 1927. Class 39.

As-Ke Fuemer Company, Duluth and Minneapolis, Minn. Electric heaters and vaporizers. 231,857; Aug. 30; Serial No. 246,379; published May 31, 1927. Class 21.

Atkins, E. C., & Company, Indianapolis, Ind. Swages and swage shapers. 231,819; Aug. 30; Serial No. 247,589; published June 14, 1927. Class 23.

Atlantic Mills, Olneyville, R. I., and Stottville, N. Y. Woolen dress goods. 232,145; Aug. 30. Class 42.

Avon Sole Company, Avon, Mass. Soles for boots and shoes. 231,916; Aug. 30; Serial No. 247,515; published May 31, 1927. Class 39.

Bailey, William J. A., doing business as Bailey Radium Laboratories, assignor to Pauline S. T. Bailey, trading as the Bailey Radium Laboratories, East Orange, N. J. Radioactive medicinal water. 232,039; Aug. 30; Serial No. 230,781; published Apr. 26, 1927. Class 6.

Baron, Saul J., Corporation, New York, N. Y. Beverage sold as a soft drink. 232,117; Aug. 30. Class 45.

Barton, George W., San Diego, Calif. Beverage sold as a soft drink. 231,828; Aug. 30; Serial No. 246,658; published May 24, 1927. Class 45.

Battle Creek Food Co., Battle Creek, Mich. Crackers, wafers, etc. 231,954; Aug. 30; Serial No. 242,564; published June 14, 1927. Class 46.

Bayless, Roscoe D., doing business as City Drug Co., Rogersville, Tenn. Medicinal preparation. 232,140; Aug. 30. Class 6.

Bear Brand Hosiery Co. (See Paramount Knitting Co., assignor.)

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 231,881; Aug. 30; Serial No. 247,160; published May 31, 1927. Class 39.

Bedell, Harry M., doing business as Bedell Mfg. Company, Washington, D. C. Mattresses. 231,850; Aug. 30; Serial No. 248,472; published June 14, 1927. Class 32.

Best & Co., Inc., New York, N. Y. Mirrors, pillows, bassinets, mattresses, etc. 231,952; Aug. 30; Serial No. 242,467; published June 21, 1927. Class 32.

Biberger, George, San Francisco, Calif. Magnetic coil for therapeutic purposes. 231,967; Aug. 30; Serial No. 244,422; published June 14, 1927. Class 44.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 231,825; Aug. 30; Serial No. 246,589; published June 21, 1927. Class 42.

Boekel, William, & Co., to Julius Boekel, Philadelphia, Pa., successor. Atomizers, laryngoscopes, rectal dilators, sterilizers, and bacteriological incubators. 30,694; renewed Oct. 19, 1927.

Böker, Heinr., & Co., Solingen, Germany. Scissors and shears. 231,892; Aug. 30; Serial No. 237,718; published June 21, 1927. Class 23.

Bordagaray, Dominique, doing business as Golden Lion Distributing Co., San Francisco, Calif. Ginger ale. 231,924; Aug. 30; Serial No. 247,164; published June 7, 1927. Class 45.

Bordagaray, Dominique, doing business as Golden Lion Distributing Co., San Francisco, Calif. Malted beverages. 232,014; Aug. 30; Serial No. 247,163; published May 31, 1927. Class 48.

Boyle, C. A., & Company, Chicago, Ill. Cotton piece goods. 231,841; Aug. 30; Serial No. 245,327; published June 21, 1927. Class 42.

Bradfield Regulator Co., The, Atlanta, Ga. Remedies for female use. 66,896-9; renewed Jan. 7, 1928.

Brechet & Richter Company, Minneapolis, Minn. Concentrates, sirups, and flavors used in the preparation of soft drinks. 232,017; Aug. 30; Serial No. 245,046; published June 14, 1927. Class 45.

Brewer, Charles M., Oklahoma City, Okla. Maltless extract. 231,915; Aug. 30; Serial No. 247,595; published June 14, 1927. Class 45.

Broady, Joseph C., doing business as Vita-Ray Company, San Diego, Calif. Cereal health food. 231,979; Aug. 30; Serial No. 244,914; published June 14, 1927. Class 46.

Brooke, C. M., & Sons, South Melbourne, Victoria, Australia. Beverages and sirups for making same. 232,112; Aug. 30; Serial No. 225,700; published May 24, 1927. Class 45.

Brown, Grace L., Cleveland, Ohio, and Chicago, Ill. Educational easels. 232,067; Aug. 30; Serial No. 247,518; published June 21, 1927. Class 32.

Brown-Leithold Company, Los Angeles, Calif. Paints, paint enamels, varnishes, etc. 231,923; Aug. 30; Serial No. 247,165; published June 21, 1927. Class 16.

Bur-Bee Candy Co., Walla Walla, Wash. Candy. 232,097; Aug. 30; Serial No. 248,994; published June 21, 1927. Class 46.

Cactus Manufacturing Co. (See Evans, Chauncey J.)
Campbell and Minkel, New York, N. Y. Composition of matter for improving the combustion of fuel oils. 231,873; Aug. 30; Serial No. 240,400; published June 14, 1927. Class 6.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Fruit juices, fruit-julce compounds and beverages. 232,025; Aug. 30; Serial No. 245,691; published May 24, 1927. Class 45.
Capital City Distributing Company. (See Gloeckner, P. J.)
Carew Manufacturing Company, South Hadley Falls, Mass. Bond paper. 232,101; Aug. 30; Serial No. 208,454; published Feb. 2, 1926. Class 37.
Carpenter, Geo. B., & Co., assignor to Geo. B. Carpenter & Co., Chicago, Ill. Braided sash cord. 30,994; renewed Dec. 21, 1927.
Carter, William, Co., The, Highlandville, Mass., assignor to The William Carter Company, Needham Heights, Mass. Underclothing. 65,969; renewed Nov. 5, 1927.
Carter's Ink Company, The, Cambridge, Mass. Typewriter ribbons and carbon paper. 232,009; Aug. 30; Serial No. 248,812; published June 21, 1927. Class 11.
Casa Anchorena, Inc., New York, N. Y. Shoe nails and tacks. 231,927; Aug. 30; Serial No. 247,312; published June 7, 1927. Class 13.
Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company, Ltd.)
Central City Produce Company, Central City, Iowa. Eggs and dressed poultry. 231,835; Aug. 30; Serial No. 246,951; published June 7, 1927. Class 46.
Chatham Petroleum Company. (See Srager, Grace.)
Chemical Foundation, Incorporated, The. (See Apotheker Ludwig Sell & Co., assignor.)
Chemisch-Pharmazeutische A. G. Bad Homburg, Bad Homburg, Germany. Medicinal preparation. 231,948; Aug. 30; Serial No. 241,868; published June 14, 1927. Class 6.
Chero Cola Bottling Company. (See May, C. Edward.)
Chicago Boiler Company, Chicago, Ill. Storage tanks for oil and water. 232,033; Aug. 30; Serial No. 246,075; June 21, 1927. Class 2.
City Drug Co. (See Bayless, Roscoe D.)
Clark, Leonard D., Kansas City, Mo., assignor to Jelly Maker Incorporated, Kansas City, Mo. Flavoring composition. 232,134; Aug. 30. Class 46.
Cleveland Chamber of Commerce, The, Cleveland, Ohio. Periodical. 231,805; Aug. 30; Serial No. 247,988; published June 14, 1927. Class 38.
Clifford Bros., Cleveland, Ohio. Charcoal. 66,831; renewed Dec. 31, 1927.
Cobb & Drew, Inc., Kingston and Plymouth, Mass. Rivets. 232,123; Aug. 30. Class 13.
Coffield Washer Co., The, Dayton, Ohio. Clothes wringers. 231,822; Aug. 30; Serial No. 246,466; published June 21, 1927. Class 24.
Cohen, David, doing business as Reliant Supply Company, New York, N. Y. Hatchets and crate openers. 232,082; Aug. 30; Serial No. 248,222; published June 21, 1927. Class 23.
Colman, J. & J., Limited, Norwich and London, England. Washing blue. 31,010; renewed Dec. 21, 1927.
Colorado Overall Manufacturing Company, The, Denver, Colo. Overalls. 232,047; Aug. 30; Serial No. 233,361; published Aug. 31, 1926. Class 39.
Columbia Mill & Elevator Company, Columbia, Tenn. Wheat flour. 66,918; renewed Jan. 7, 1928.
Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio sets and parts thereof, etc. 232,015–6; Aug. 30; Serial Nos. 247,171–2; published June 14, 1927. Class 21.
Commercial Shirt Co., The, assignor to O. Horowitz, New York, N. Y. Outer shirts. 67,092; renewed Jan. 14, 1928.
Compagnie Générale de Electricité, Paris, France. Electrical apparatus, and particularly storage batteries and parts thereof. 231,894; Aug. 30; Serial No. 239,093; published June 7, 1927. Class 21.
Consolidated Batteries Company. (See Luhrman, Albert H.)
Consolidated Beverage Producers. (See Goodwin, Roy.)
Consolidated Cigar Corporation, New York, N. Y. Cigars. 232,114; Aug. 30; Serial No. 248,954; published June 21, 1927. Class 17.
Continental Motors Corporation, Detroit, Mich. Internal-combustion engines etc. 232,103; Aug. 30; Serial No. 213,279; published June 21, 1927. Class 23.
Corn Products Refining Company, New York, N. Y. Chocolate beverage and sirup for making the same. 231,836; Aug. 30; Serial No. 247,069; published May 31, 1927. Class 45.
Cox Cylinder Works, Oakland, Calif. Machine tools and equipment. 231,816; Aug. 30; Serial No. 247,675; published June 21, 1927. Class 23.
Danner-Glesner & Co., Martinsburg, W. Va. Beverages sold as soft drinks. 231,968; Aug. 30; Serial No. 244,431; published May 24, 1927. Class 45.
Davis-Johnson Co., The, Chicago, Ill. Medicinal compound. 232,143; Aug. 30. Class 6.
Dayton Air Compressor Company, The, Dayton, Ohio. Air compressors. 231,867; Aug. 30; Serial No. 230,106; published June 21, 1927. Class 23.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 231,813; Aug. 30; Serial No. 247,783; published June 14, 1927. Class 23.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Pumps. 232,078; Aug. 30; Serial No. 248,091; published June 21, 1927. Class 23.
Dayton Pump & Manufacturing Company, The, Dayton, Ohio. Water-softening apparatus. 232,079; Aug. 30; Serial No. 248,093; published June 21, 1927. Class 23.
Dececco, Vincent T., Joliet, Ill. Hair tonic and dandruff remedy. 232,003; Aug. 30; Serial No. 248,897; published June 21, 1927. Class 6.
Defender Photo Supply Company. (See Seed, M. A., Dry Plate Company, assignor.)
Delco-Remy Corporation, Dayton, Ohio. Electrically-operated sound signals for automobiles, etc. 231,930; Aug. 30; Serial No. 244,997; published June 14, 1927. Class 21.
De Luxe Clothing Manufacturing Company, Baltimore, Md. Suits, overcoats, and topcoats. 231,997; Aug. 30; Serial No. 243,200; published May 31, 1927. Class 39.
Denend, Joseph F., doing business as Wurzenburg Malt Extract Co., Chicago, Ill. Malt sirup. 232,063; Aug. 30; Serial No. 247,264; published June 21, 1927. Class 48.
Detmer Woolen Company, to Detmer Bruner & Mason, Inc., New York, N. Y., successor. Cotton and woolen piece goods. 66,569; renewed Dec. 10, 1927.
Dickinson, Albert, Company, The, Chicago, Ill. Grass, clover, and field seeds, and seed grains. 31,078; renewed Jan. 4, 1928.
Diem, Theodore A., doing business as Diem Electric Co., Chicago, Ill. Heating elements designed for use in repairing of electrical household utilities. 232,066; Aug. 30; Serial No. 247,315; published June 14, 1927. Class 21.
Dirt-Kut Company, The, Springfield, Ohio. Product composed of steel wool and soap for cleansing, scouring, and polishing. 231,818; Aug. 30; Serial No. 247,601; published June 14, 1927. Class 4.
Doyen's Laboratories, The. (See La Benefica Drug Co.)
Drackett Chemical Company, The, Cincinnati, Ohio. Chemical for cleansing drains, sinks, washbowls, etc. 231,921; Aug. 30; Serial No. 247,937; published June 21, 1927. Class 6.
Dry Storage Battery Corporation, Philadelphia, Pa. Dry batteries. 232,068; Aug. 30; Serial No. 247,464; published June 14, 1927. Class 21.
Ducharne, F., Silk Co. Inc., New York, N. Y. Silk piece goods. 231,982; Aug. 30; Serial No. 248,819; published June 21, 1927. Class 42.
Dudley Paper Co., The, Lansing, Mich. School blank books. 232,089; Aug. 30; Serial No. 246,087; published June 14, 1927. Class 37.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 231,983; Aug. 30; Serial No. 248,821; published June 21, 1927. Class 42.
Duplan Silk Corporation, New York, N. Y. Rayon piece goods. 231,984; Aug. 30; Serial No. 248,822; published June 21, 1927. Class 42.
Eagle Electric Mfg. Co., Brooklyn, N. Y. Attachment plugs, appliance cords, lamp receptacles, etc. 231,876; Aug. 30; Serial No. 241,267; published May 31, 1927. Class 21.
Egon Braun Aktiengesellschaft, Hamburg, Germany. Medicated wines, herb extracts, etc. 231,863–4; Aug. 30; Serial Nos. 245,535–6; published June 14, 1927. Class 6.
Electric Refrigeration Corporation, Detroit, Mich. Refrigerators, mechanical refrigerating apparatus, and parts thereof. 231,851; Aug. 30; Serial No. 248,558; published June 14, 1927. Class 31.
Electrical Research Laboratories, Chicago, Ill. Radiotransformers, radio receiving sets, plugs, etc. 231,942; Aug. 30; Serial No. 246,743; published June 7, 1927. Class 21.
Electrical Research Laboratories, Inc., Chicago, Ill. Radiotransformers, radio receiving sets, loud speakers, etc. 231,830; Aug. 30; Serial No. 246,742; published May 31, 1927. Class 21.
Electrical Research Laboratories, Chicago, Ill. Radiotransformers, radio receiving sets, tuning units, plugs, etc. 232,080; Aug. 30; Serial No. 248,166; published June 14, 1927. Class 21.
Electrolux Servel Corporation, New York, N. Y. Electric refrigerators, refrigerator parts, systems, and filters. 232,075; Aug. 30; Serial No. 247,991; published June 14, 1927. Class 31.
Elec-Tru-Tone Corporation, The, Los Angeles, Calif. Radio equipment. 232,056; Aug. 30; Serial No. 246,271; published May 31, 1927. Class 21.
Elite Catering Company, Los Angeles, Calif. Beverages and sirups and extracts for making the same, and mineral water. 231,990; Aug. 30; Serial No. 242,826; published June 7, 1927. Class 45.
Elkhart Enamel & Paint Corporation, Elkhart, Ind. Paints, varnish, lacquer, and paint enamel. 231,833; Aug. 30; Serial No. 246,892; published June 21, 1927. Class 16.
Ely & Walker Dry Goods Company, St. Louis, Mo. Gloves. 231,932; Aug. 30; Serial No. 246,272; published May 31, 1927. Class 39.
Ely & Walker Dry Goods Company, St. Louis, Mo. Men's cotton gloves. 232,026–8; Aug. 30; Serial Nos. 245,785–7; published May 31, 1927. Class 39.

Embee Laboratories. (See Muster & Bauman.)
Eng, Joe, doing business as J. & J. Brothers, Chicago, Ill. Ginger root preserved in sirup, preserved mixed fruit, etc. 232,037; Aug. 30; Serial No. 230,389; published June 14, 1927. Class 46.
Etablissements Raguet & Vignes. (See Raguet, P., fils & R. Vignes.)
Evans, Chauncey J., doing business as Cactus Manufacturing Co., Los Angeles, Calif. Dust mops and unimpregnated dust cloths. 231,991; Aug. 30; Serial No. 242,828; published June 21, 1927. Class 29.
Evans, Thos., doing business as The Seajoy Coy, London, England. Antiseasickness plaster. 231,956; Aug. 30; Serial No. 243,533; published June 14, 1927. Class 6.
Ewing, Lawrence J., Haverhill, Mass. Shoe patterns. 231,815; Aug. 30; Serial No. 247,682; published June 21, 1927. Class 26.
Farley, C. J., & Co., Grand Rapids, Mich. Ladies' textile vests, nightgowns, chemises, petticoats, bloomers, etc. 231,937; Aug. 30; Serial No. 236,922; published Apr. 19, 1927. Class 39.
Feit, Louis, doing business as State Dress Manufacturing Co., New York, N. Y. Ladies' dresses. 231,908; Aug. 30; Serial No. 247,129; published May 31, 1927. Class 39.
Fergusson, Erna, doing business as Koshare Tours, Albuquerque, N. Mex. Road maps, tourists' guides, etc. 232,038; Aug. 30; Serial No. 230,620; published June 14, 1927. Class 38.
Fison Paint Products Company. (See Siegel, F. I., & Son.)
Folger, J. A., & Company, San Francisco, Calif. Coffee. 232,126; Aug. 30. Class 46.
Ford, J. B., Company, The, Wyandotte, Mich. Cleaning and cleansing materials. 232,118; Aug. 30. Class 4.
Ford Motor Company, Detroit, Mich. Lubricating oils. 232,051; Aug. 30; Serial No. 246,606; published June 7, 1927. Class 15.
Forgan, Robert, & Son, Ltd., St. Andrews, Scotland. Golf clubs. 231,936; Aug. 30; Serial No. 236,317; published May 24, 1927. Class 22.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 231,844; Aug. 30; Serial No. 245,198; published June 7, 1927. Class 42.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 232,007; Aug. 30; Serial No. 248,765; published June 21, 1927. Class 42.
Fort Dodge Bottling Works, Fort Dodge, Iowa. Beverage sold as a soft drink and sirup for making the same. 231,814; Aug. 30; Serial No. 247,733; published May 31, 1927. Class 45.
Fried. Krupp, the Firm of., assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Iron and steel manufactures. 30,721; renewed Oct. 19, 1927.
Garofalo Brothers, Chicago, Ill. Canned fruits, vegetables, sea food, etc. 232,137; Aug. 30. Class 46.
Gash-Stull Company, Chester, Pa. Plows, harrows, rakes, seeders, etc. 231,959; Aug. 30; Serial No. 243,936; published June 21, 1927. Class 23.
General Beverage Company, Baltimore, Md. Beverages and sirups for making the same. 231,852; Aug. 30; Serial No. 248,563; published June 14, 1927. Class 45.
Gerstenzang, Leo, Co., Inc., The, New York, N. Y. Swabs. 231,847; Aug. 30; Serial No. 245,007; published June 14, 1927. Class 44.
Glika, J. A., A. G., Berlin, Germany. Beverage. 231,980; Aug. 30; Serial No. 244,926; published June 14, 1927. Class 45.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 231,837; Aug. 30; Serial No. 247,075; published May 31, 1927. Class 39.
Glidden Varnish Company, The., assignor to The Glidden Company, Cleveland, Ohio. Painters' materials. 64,705; renewed Aug. 20, 1927.
Gloeckner, P. J., doing business as Capital City Distributing Company, Columbus, Ohio. Malt sirup. 232,059; Aug. 30; Serial No. 247,182; published June 21, 1927. Class 48.
Godchaux Sugars Inc., Reserve, La. Cane-sugar sirups. 232,022; Aug. 30; Serial No. 245,547; published June 14, 1927. Class 46.
Golden Lion Distributing Co. (See Bordagaray, Dominique.)
Golden West Brewing Company, Oakland, Calif. Malt beverages. 231,842; Aug. 30; Serial No. 245,266; published May 24, 1927. Class 48.
Golden West Brewing Company, Oakland, Calif. Malt beverages. 231,843; Aug. 30; Serial No. 245,265; published May 24, 1927. Class 48.
Goodrich-Gamble Company, St. Paul, Minn. Face powder, rouge, rouge and loose powder combination, rose cream, etc. 231,899; Aug. 30; Serial No. 248,099; published June 21, 1927. Class 6.
Goodwin, Roy, doing business as Consolidated Beverage Producers, Wilmette, Ill. Beverages and fruit-juice flavors for making the same. 231,821; Aug. 30; Serial No. 246,400; published June 7, 1927. Class 45.
Gorham, William J., San Francisco, Calif., assignor, by mesne assignments, to United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber packing. 30,465; renewed Aug. 3, 1927.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Cured fish. 232,076; Aug. 30; Serial No. 247,998; published June 21, 1927. Class 46.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Tire pumps and jacks. 232,083; Aug. 30; Serial No. 248,229; published June 14, 1927. Class 23.
Gros, Grenier, Ostorero & Cie., Saint-Claude (Jura), France. Pipes, cigar and cigarette holders, and tobacco pouches. 231,870; Aug. 30; Serial No. 240,255; published June 21, 1927. Class 8.
Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Dry cleaner. 231,999; Aug. 30; Serial No. 243,436; published June 14, 1927. Class 4.
Hailey, C. J., & Co., Inc., New York, N. Y. Sanitary aprons, step-ins, bloomers, petticoats, etc. 232,045; Aug. 30; Serial No. 233,074; published June 14, 1927. Class 44.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars and shirts. 231,903–6; Aug. 30; Serial Nos. 247,081–4; published May 31, 1927. Class 39.
Harpham Bros. Co., Lincoln, Nebr. Harness, horse collars, saddles, and whips. 66,231; renewed Nov. 19, 1927.
Harrison & Eichenlaub, said Eichenlaub assignor to said Harrison, Chicago, Ill. Beverage. 232,100; Aug. 30; Serial No. 199,887; published June 21, 1927. Class 45.
Hays Manufacturing Company, Erie, Pa. Drilling and tapping machines and parts thereof. 231,949; Aug. 30; Serial No. 242,193; published June 14, 1927. Class 23.
Heifenstein-Schlesinger Co. Inc., New York, N. Y. Handkerchiefs. 232,029; Aug. 30; Serial No. 245,907; published June 21, 1927. Class 42.
Hildebrand Manufacturing Co. (See Lewis, Edward P.)
Hitzfeld, Marie A. K., viuda de Diego Gomez, Seville, Spain. Olives. 231,994; Aug. 30; Serial No. 243,154; published June 14, 1927. Class 46.
Holtidge, C. Crawford, Boston, Mass. Undergarments, dresses, nightgowns, etc. 231,960; Aug. 30; Serial No. 244,157; published May 31, 1927. Class 39.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, etc. 232,021; Aug. 30; Serial No. 245,491; published May 31, 1927. Class 39.
Horowitz, Oscar. (See Commercial Shirt Co., The, assignor.)
Hostess Products Corp., New York, N. Y. Mayonnaise and Russian dressing. 232,099; Aug. 30; Serial No. 194,447; published June 7, 1927. Class 46.
Hovey, C. F., Co., Boston, Mass. Collar bands. 231,913; Aug. 30; Serial No. 247,473; published May 31, 1927. Class 39.
Husting, E. L., Co., Milwaukee, Wis. Beverages. 231,812; Aug. 30; Serial No. 247,794; published June 7, 1927. Class 45.
"Ifak" Internationale Fabrikations-Gesellschaft für Kautschukwaren m. b. H., Berlin, Germany. Toys. 232,146; Aug. 30. Class 22.
Illinois Iron & Bolt Company, Carpentersville, Ill. Shock absorbers and automobile heaters. 231,907; Aug. 30; Serial No. 247,085; published June 21, 1927. Class 19.
Imprint Pencil Company, Inc., The, New York, N. Y. Pencils and pens. 232,131; Aug. 30. Class 37.
Independent Oil Company, Wilmington, Del., and Washington, D. C. Motor fuel, more particularly gasoline. 231,989; Aug. 30; Serial No. 242,592; published May 3, 1927. Class 15.
Independent Salt Company, New York, N. Y. Salt. 232,116; Aug. 30. Class 6.
Inderrieden Canning Co., assignor to The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 232,055; Aug. 30; Serial No. 246,287; published June 14, 1927. Class 46.
International Agricultural Corporation, New York, N. Y. Fertilizers. 231,965; Aug. 30; Serial No. 244,306; published June 21, 1927. Class 10.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 232,093; Aug. 30; Serial No. 245,988; published May 31, 1927. Class 39.
Italian Grocers Association, Seattle, Wash. Olive oil. 232,030; Aug. 30; Serial No. 245,910; published June 7, 1927. Class 46.
J. & J. Brothers. (See Eng, Joe.)
Jaffee, L. J. & C. D., Inc., New York, N. Y. Men's and young men's suits. 232,092; Aug. 30; Serial No. 245,989; published May 31, 1927. Class 39.
Jelly Maker Incorporated. (See Clark, Leonard D., assignor.)
Johnston Export Publishing Co., New York, N. Y. Magazine. 232,091; Aug. 30; Serial No. 245,991; published May 31, 1927. Class 38.
Jones, Thomas A., doing business as Anti-Kan Soap Company, Cambria, Ill. Medicated soap. 231,910; Aug. 30; Serial No. 248,236; published June 14, 1927. Class 4.
Jones, Vess, doing business as the Whistle Company of America, Inc., New York, N. Y. Beverages. 231,880; Aug. 30; Serial No. 247,132; published June 14, 1927. Class 45.
Kelly Dry Pure Juice Corporation, New York, N. Y. Beverage sold as a soft drink and sirup, extract, and concentrate for making the same. 232,129; Aug. 30. Class 45.
Kentucky Holding Corporation, The, Louisville, Ky. Whisky. 232,090; Aug. 30; Serial No. 246,031; published May 31, 1927. Class 49.

Kerr Brothers, Toronto, Ontario, Canada, to Kerr Brothers, Brooklyn, N. Y. Butter scotch. 66,799; renewed Dec. 31, 1927.
Keystone Aircraft Corporation, Bristol, Pa. Aircraft. 231,928–8; Aug. 30; Serial Nos. 247,374–5; published June 21, 1927. Class 19.
King, Henry H., assignor to H. H. King Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 31,026; renewed Dec. 21, 1927.
Klamer Factories, Inc., Evansville, Ind. Bedroom, dining-room, and upholstered furniture, etc. 232,144; Aug. 30. Class 32.
Kohn, Jacob & Josef & Mundus, Inc., New York, N. Y. Furniture. 231,869; Aug. 30; Serial No. 239,936; published June 14, 1927. Class 32.
Koshare Tours. (See Fergusson, Erna.)
Kranz, John, to Florence M. Kranz, Chicago, Ill., successor. Chocolate creams. 30,385; renewed July 13, 1927.
Kuehne, Otto, Preserving Co., The, to Kuehne Brothers, Topeka, Kans., successor. Table delicacies. 30,401; renewed July 20, 1927.
La Benefica Drug Co., Inc., doing business as The Doyen's Laboratories, Tampa, Fla. Tonic. 232,142; Aug. 30. Class 6.
Laboratories Jaq Incorporated, New York, N. Y. Medicinal tablets. 232,073; Aug. 30; Serial No. 245,912; published June 14, 1927. Class 6.
Lebanon Mill Company, Pawtucket, R. I. Knitted fabrics. 231,866; Aug. 30; Serial No. 245,501; published June 7, 1927. Class 42.
Leibovitz, Isidore, doing business as S. & L. Belt Co., New York, N. Y. Belts in the nature of garment supporters. 232,020; Aug. 30; Serial No. 245,357; published May 31, 1927. Class 39.
Lemler, Harry, doing business as Lemler's Drug Stores, Baltimore, Md. Face powder, skin whitener, ointment, rouge, etc. 231,976; Aug. 30; Serial No. 249,072; published June 21, 1927. Class 6.
Lever Brothers, Limited, Port Sunlight, England, assignor to Lever Brothers Company, Cambridge, Mass. Soaps, powders, detergents, glycerin, matches, tapers, starch, blue, candles, soda, and disinfectants. 30,786; renewed Nov. 2, 1927.
Lewis, Edward P., doing business as Hildebrand Manufacturing Co., Atlanta, Ga. Soap. 231,935; Aug. 30; Serial No. 235,651; published Sept. 21, 1926. Class 4.
Lewy Chemical Company, New York, N. Y. Garment bags of paper. 231,977–8; Aug. 30; Serial Nos. 244,872–3; published June 21, 1927. Class 2.
Lord & Taylor, New York, N. Y. Extracts of perfumes, sachet, talcum powder, etc. 231,981; Aug. 30; Serial No. 244,941; published June 14, 1927. Class 6.
Lord & Taylor, New York, N. Y. Extracts of perfumes and of toilet waters. 232,031; Aug. 30; Serial No. 245,916; published June 21, 1927. Class 6.
Luhrman, Albert H., doing business as Consolidated Batteries Company, Cincinnati, Ohio. Electric batteries. 232,050; Aug. 30; Serial No. 246,616; published May 31, 1927. Class 21.
M & W Chemical Company, The, Chicago, Ill. Pomade. 232,000; Aug. 30; Serial No. 248,237; published June 21, 1927. Class 6.
Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Plug, twist, cut-plug smoking tobacco, and leaf tobacco. 231,839; Aug. 30; Serial No. 245,444; published June 21, 1927. Class 17.
Magnus, S. W., & Company, New York, N. Y. Boys' handkerchiefs. 232,043; Aug. 30; Serial No. 231,743; published June 14, 1927. Class 42.
Malka Water Co. Inc., New York and Long Island City, N. Y. Medicated water. 232,001; Aug. 30; Serial No. 248,371; published June 21, 1927. Class 6.
Mapleside Poultry Farms, Lincoln, Ill. Live poultry, eggs, and chicks. 231,969; Aug. 30; Serial No. 244,508; published June 14, 1927. Class 46.
Markowitz, Idel, doing business as The Penn Fur Company, New York, N. Y. Fur coats, caps, etc. 232,087; Aug. 30; Serial No. 246,170; published May 31, 1927. Class 39.
Matthews, W. N., Corporation, St. Louis, Mo. Switches and fuses. 231,970; Aug. 30; Serial No. 244,563; published May 31, 1927. Class 21.
May, C. Edward, doing business as Chero Cola Bottling Company, Baltimore, Md. Beverages sold as soft drinks. 231,946; Aug. 30; Serial No. 241,830; published May 3, 1927. Class 45.
Mayflower Fruit Association, Exeter, Calif. Fresh apples, peaches, and plums, fresh pomegranates, etc. 232,032; Aug. 30; Serial No. 246,040; published June 14, 1927. Class 46.
Mazda Radio Manufacturing Company, The, Cleveland, Ohio. Radio apparatus, parts, and supplies. 232,102; Aug. 30; Serial No. 212,628; published May 31, 1927. Class 21.
McGrane, James L., Buffalo, N. Y. Mechanically-operated direction signals for automobiles. 232,070; Aug. 30; Serial No. 247,338; published June 21, 1927. Class 23.
Meisel, Charles, assignor to C. Meisel, Inc., New York, N. Y. Musical instruments. 30,598; renewed Oct. 5, 1927.
Menke, Kaufmann & Co., Inc., New York, N. Y. Silk chiffon cloth. 231,900; Aug. 30; Serial No. 248,043; published June 21, 1927. Class 42.
Meyer, Charles A., doing business as The Alphaden Company, Chicago, Ill. Medical preparation. 232,096; Aug. 30; Serial No. 248,965; published June 21, 1927. Class 6.
Mica Insulator Company, New York, N. Y.; Chicago, Ill.; San Francisco, Calif.; St. Louis, Mo.; and Cincinnati, Ohio, to Mica Insulator Company, New York, N. Y. Electrical insulators consisting of a black liquid to be applied with a brush. 30,864; renewed Nov. 16, 1927.
Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits. 231,882; Aug. 30; Serial No. 247,279; published May 31, 1927. Class 39.
Mildred Hat Shop. (See Rosenberg, Harry D.)
Milroy Products, Inc., Philadelphia, Pa. Laundry and washing powder. 232,060; Aug. 30; Serial No. 247,199; published June 14, 1927. Class 4.
Milwaukee Macaroni Co., Milwaukee, Wis. Macaroni. 231,909; Aug. 30; Serial No. 247,441; published June 14, 1927. Class 46.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Electric switches. 231,889; Aug. 30; Serial No. 241,779; published May 31, 1927. Class 21.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Unitary automatic electric switch systems. 231,890; Aug. 30; Serial No. 241,780; published May 31, 1927. Class 21.
Minneapolis Heat Regulator Co., Minneapolis, Minn. Temperature-operated electric stack switches. 231,891; Aug. 30; Serial No. 241,781; published June 14, 1927. Class 21.
Miranda F., & Co., New York, N. Y. Leaf tobacco. 30,282; renewed June 29, 1927.
Mississippi Glass Company, St. Louis, Mo., to Mississippi Glass Company, New York, N. Y., successor. Sheet glass. 30,129; renewed June 1, 1927.
Montgomery Ward & Co., Incorporated, Chicago, Ill. Men's and boys' clothing. 231,878; Aug. 30; Serial No. 229,454; published May 31, 1927. Class 39.
Moore, William, St. Louis, Mo. Powdered soap. 231,917; Aug. 30; Serial No. 247,745; published June 14, 1927. Class 4.
Moret, Parfumeur. (See Peoples Drug Stores Inc.)
Mustad, O., & Son, Oslo, Norway. Fishhooks. 231,945; Aug. 30; Serial No. 246,970; published June 7, 1927. Class 22.
Muster & Bauman, doing business as Embee Laboratories, Ridgewood, N. J. Hand lotion. 232,010; Aug. 30; Serial No. 247,032; published June 14, 1927. Class 6.
Muster & Bauman, doing business as The Ridgewood Pharmacy, Ridgewood, N. J. Antiseptic astringent. 232,011; Aug. 30; Serial No. 247,033; published June 14, 1927. Class 6.
Mustomatik Specialties, Inc., New York, N. Y. Dispensing devices intended for dispensing mustard, oils, etc. 232,077; Aug. 30; Serial No. 248,048; published June 14, 1927. Class 23.
Myers, Euromus H., Keedysville, Md. Skin lotion. 231,922; Aug. 30; Serial No. 247,200; published June 21, 1927. Class 6.
Mynderse, Andrew W., doing business as Mynderse Beverages, Schenectady, N. Y. Maltless beverages and syrups for making the same. 231,926; Aug. 30; Serial No. 247,384; published June 14, 1927. Class 45.
NEA Service, Inc., Cleveland, Ohio. Comic strip. 232,086; Aug. 30; Serial No. 248,315; published June 14, 1927. Class 38.
Nashua Gummed & Coated Paper Company, Nashua, N. H. Ornamental paper. 231,888; Aug. 30; Serial No. 241,632; published June 14, 1927. Class 37.
National Dental Company, Newark, N. J. Sterilized dentifrices. 231,995; Aug. 30; Serial No. 243,165; published June 21, 1927. Class 6.
Naylor, Howard W., Morris, N. Y. Teat dilator. 232,127; Aug. 30. Class 44.
Needham Veall & Tyzack Ltd., Sheffield, England. Cutlery and edge tools. 63,880; renewed July 9, 1927.
New Brunswick Laboratories. (See White, John, jr.)
New England Brewing Co., doing business as Suffolk Brewing Company, Boston, Mass. Cereal malt beverages. 232,105; Aug. 30; Serial No. 216,688; published Mar. 2, 1926. Class 48.
New England Spun Silk Corporation, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Yarns spun from artificial-silk fibers. 231,987; Aug. 30; Serial No. 248,920; published June 21, 1927. Class 43.
New England Spun Silk Corporation, Brighton, Boston, and Newton Upper Falls, Mass., and New York, N. Y. Yarns spun from blends of artificial-silk and silk fibers. 231,988; Aug. 30; Serial No. 248,921; published June 21, 1927. Class 43.
New Haven Laboratories, Inc., New Haven and Milford, Conn. Skin cream. 232,115; Aug. 30. Class 6.
Newman, I. C., Co. Inc., New York, N. Y. Flares for night photography and for lighting and signal purposes. 231,985; Aug. 30; Serial No. 248,856; published June 21, 1927. Class 9.
New York Canners, Inc., Rochester, N. Y. Canned fruits and vegetables. 232,125; Aug. 30. Class 46.
Nielsen, Martin, Seattle, Wash. Pickles. 232,040; Aug. 30; Serial No. 230,799; published June 14, 1927. Class 46.

Non-Smut Carbon Mfg. Co., Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 231,914; Aug. 30; Serial No. 247,629; published June 21, 1927. Class 11.
North American Brewing Company, Brooklyn, N. Y. Near beer. 231,862; Aug. 30; Serial No. 245,573; published May 24, 1927. Class 48.
North Packing and Provision Company, Somerville, Mass. Salt pork and bacon. 231,940; Aug. 30; Serial No. 237,917; published June 14, 1927. Class 46.
Novelty Candy Co., Seattle, Wash. Candy. 232,044; Aug. 30; Serial No. 232,933; published June 21, 1927. Class 46.
Nunnally Company, The, Atlanta, Ga. Candy. 232,119; Aug. 30. Class 46.
O'Berry & Hall Company, Tampa, Fla. Matches. 231,986; Aug. 30; Serial No. 248,857; published June 21, 1927. Class 9.
O'Conor, Beatrice, Newton Center, Mass. Cigars and cigarettes. 232,005; Aug. 30; Serial No. 248,714; published June 21, 1927. Class 17.
Ohio Varnish Company, The, Cleveland, Ohio. Spraying lacquer, lacquer thinner, etc. 231,884; Aug 30; Serial No. 247,202; published June 21, 1927. Class 16.
O'Keefe's Beverages, Limited, Toronto, Ontario, Canada. Beverages. 232,098; Aug. 30; Serial No. 174,588; published May 24, 1927. Class 45.
Orange Crush Bottling Co., Buffalo, N. Y. Beverages. 231,933; Aug. 30; Serial No. 248,373; published June 14, 1927. Class 45.
Orange Crush Company, Chicago, Ill. Beverages and compounds, concentrates, and syrups for making same. 231,871; Aug. 30; Serial No. 240,317; published Feb. 8, 1927. Class 45.
Oregon Inducton Co., The. (See Potter, Thomas I.)
Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Elevators, escalators, endless carriers, inclined railways, etc. 232,006; Aug. 30; Serial No. 248,715; published June 21, 1927. Class 23.
Owl Drug Co., The, San Francisco, Calif. Sanitary napkins. 231,957; Aug. 30; Serial No. 248,558; published June 21, 1927. Class 44.
Oxweld Acetylene Company, New York, N. Y. Welding fluxes. 232,136; Aug. 30. Class 6.
Pacific Coast Canners, Inc., Oakland, Calif. Canned fruit, jams, jellies, etc. 231,947; Aug. 30; Serial No. 241,897; published June 14, 1927. Class 46.
Pacific Dry Goods Company, The, San Francisco, Calif. Fortune-telling game. 232,035; Aug. 30; Serial No. 246,221; published May 24, 1927. Class 22.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 231,817; Aug. 30; Serial No. 247,633; published June 14, 1927. Class 4.
Palmolive-Peet Company, The, Chicago, Ill. Soap. 231,895; Aug. 30; Serial No. 248,190; published June 14, 1927. Class 4.
Pantasote Leather Company, Passaic, N. J. Manufactured imitation leather and insulating material. 31,000; renewed Dec. 21, 1927.
Paramount Knitting Co., assignor to Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 66,702; renewed Dec. 24, 1927.
Paristyle Footwear Mfg. Co., Inc., Brooklyn, N. Y. Footwear. 232,124; Aug. 30. Class 39.
Paull, Emma P., doing business as Velva Chemical Co., New York, N. Y. Lubricant laxative for animals. 232,084; Aug. 30; Serial No. 248,246; published June 14, 1927. Class 6.
Pearl Radio Condenser Co. Inc., New York, N. Y. Radio variable condensers. 232,042; Aug. 30; Serial No. 231,277; published May 31, 1927. Class 21.
Peerless Light Co., Chicago, Ill. Electric-lighting fixtures and portable table and floor lamps, etc. 231,859; Aug. 30; Serial No. 245,747; published June 7, 1927. Class 21.
Penn Fur Company, The. (See Markowitz, Idel.)
Peoples Drug Stores Inc., doing business as Moret, Parfumer, Washington, D. C. Toilet water, cold cream, vanishing cream, face powder, etc. 231,918; Aug. 30; Serial No. 247,705; published June 21, 1927. Class 6.
Pequanoc Chemical Co., Butler, N. J. Chemical mixture in powder form. 231,874; Aug. 30; Serial No. 240,430; published June 14, 1927. Class 6.
Peroxide Chemical Co., The, St. Louis, Mo. Toilet creams, nasal creams, toilet lotions, toilet powders etc. 232,061; Aug. 30; Serial No. 247,207; published June 14, 1927. Class 6.
Phinney-Walker Company, New York, N. Y. Automobile clocks. 232,018; Aug. 30; Serial No. 245,105; published May 31, 1927. Class 27.
Pickle, W. & W., and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 231,824; Aug. 30; Serial No. 246,567; published June 14, 1927. Class 46.
Pioneer Publishing Co., Oak Park, Ill. Publication. 232,081; Aug. 30; Serial No. 248,194; published June 14, 1927. Class 38.
Pioneer Publishing Co., Oak Park, Ill. Publication. 232,085; Aug. 30; Serial No. 248,250; published June 14, 1927. Class 38.
Plana, Salvador B., Barcelona, Spain. Wine. 231,877; Aug. 30; Serial No. 228,864; published May 24, 1927. Class 47.
Poix, Gabrielle M., New York, N. Y., assignor to G. M. Poix Inc., Brooklyn, N. Y. Bust supporters. 65,835; renewed Oct. 22, 1927.
Porcelain Enamel and Manufacturing Company of Baltimore, Baltimore, Md. Vitreous and porcelain enamels. 232,048; Aug. 30; Serial No. 246,705; published June 14, 1927. Class 16.
Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Furniture. 232,071; Aug. 30; Serial No. 246,707; published June 21, 1927. Class 32.
Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Vitreous and porcelain enamels. 232,072; Aug. 30; Serial No. 246,708; published June 14, 1927. Class 16.
Portage Tool Company, The, Akron, Ohio. Chisels, hammers, rivet sets, punches, etc. 231,893; Aug. 30; Serial No. 238,233; published June 21, 1927. Class 23.
Posner, Dr. A., Shoes Inc., New York, N. Y. Shoes. 231,879; Aug. 30; Serial No. 229,464; published May 31, 1927. Class 39.
Potter, Thomas I., doing business as The Oregon Induction Co., Portland, Oreg. Vibrating induction coil used exclusively for therapeutic purposes. 231,834; Aug. 30; Serial No. 246,929; published June 21, 1927. Class 44.
Procter & Gamble Company, The, Cincinnati, Ohio. Red oil. 231,897; Aug. 30; Serial No. 248,128; published June 21, 1927. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Stearic acid. 231,898; Aug. 30; Serial No. 248,127; published June 21, 1927. Class 6.
Quaker City Rubber Company, Wissinoming, Philadelphia, Pa. Belting. 232,069; Aug. 30; Serial No. 247,446; published June 21, 1927. Class 35.
Queen City Bottling Company, The, Cincinnati, Ohio. Beverages and extracts for making same. 232,046; Aug. 30; Serial No. 233,229; published Sept. 7, 1926. Class 45.
Radio Corporation of America, New York, N. Y. Vacuum tubes and valves. 231,943; Aug. 30; Serial No. 246,772; published June 7, 1927. Class 21.
Raguet, P., fils & R. Vignes, to Etablissements Raguet & Vignes, Troyes, France, successor. Knit goods. 07,117; renewed Jan. 14, 1928.
Rash, Warren P., Middlesboro, Ky. Medicine for colds, etc. 232,095; Aug. 30; Serial No. 226,785; published Apr. 26, 1927. Class 6.
Reed Bird Malt and Hops Company, Baltimore, Md. Malt and hops compound. 231,811; Aug. 30; Serial No. 247,819; published June 21, 1927. Class 48.
Reed, Joseph L., doing business as Reerôbee Syrup and Bottling Factory, Waco, Tex. Beverage. 231,809; Aug. 30; Serial No. 247,808; published May 31, 1927. Class 45.
Reerôbee Syrup and Bottling Fastory. (See Reed, Joseph L.)
Reliant Supply Company. (See Cohen, David.)
Rexgold Mnufacturing Company, Wilmington, Del. Picture frames. 232,062; Aug. 30; Serial No. 247,212; published June 14, 1927. Class 32.
Ridgely Trimmer Company, The, Springfield, Ohio. Hand tools for trimming wall paper. 231,912; Aug. 30; Serial No. 247,638; published June 14, 1927. Class 23.
Ridgewood Pharmacy, The. (See Muster & Bauman.)
Ripley Fish Co., Inc., Seattle, Wash. Salmon eggs used for trout bait. 231,973; Aug. 30; Serial No. 244,789; published May 24, 1927. Class 22.
Rivera, Abraham, San Francisco, Calif. Castor oil. 232,138; Aug. 30. Class 6.
Roper Knitting Company, Inc., Canandaigua, N. Y. Sweaters, jackets, bathing suits, etc. 231,934; Aug. 30; Serial No. 235,357; published Sept. 21, 1926. Class 39.
Rosenberg, Harry D., doing business as Mildred Hat Shop, New York, N. Y. Hats, underwear, gloves, etc. 231,886; Aug. 30; Serial No. 241,350; published May 31, 1927. Class 39.
Ross, W. A., & Sons, Limited, Belfast, Ireland. Ginger ale and soda water. 30,633; renewed Oct. 5, 1927.
Rubberset Company, Newark, N. J., assignor to Rubber & Celluloid Products Company. Brushes. 232,109–10; Aug. 30; Serial Nos. 221,455–6; published June 14, 1927. Class 29.
Rumpel, Julius, Weston, Mo. Chemical composition. 232,139; Aug. 30. Class 4.
Russell Manufacturing Co., The, Middletown, Conn. Shock absorber rings for aeroplanes. 231,944; Aug. 30; Serial No. 246,779; published June 21, 1927. Class 19.
S. & L. Belt Co. (See Leibovitz, Isidore.)
Safetee Soap Corporation. (See Wichle Sonp Company, The, assignor.)
St. Paul Bottling Company, St. Paul, Minn. Beverages sold as soft drinks. 232,036; Aug. 30; Serial No. 246,231; published June 7, 1927. Class 45.
Salomon, Charles, & Co. Inc., New York, N. Y. Dresses for misses and women. 232,023; Aug. 30; Serial No. 245,619; published May 31, 1927. Class 39.
Sandage Company, The, Chicago, Ill. Fluid-fuel-burning space heaters, water heaters, ovens, etc. 231,972; Aug. 30; Serial No. 244,723; published June 21, 1927. Class 34.
Sandar Corporation, Long Island City, N. Y. Radio loud speakers. 231,953; Aug. 30; Serial No. 242,504; published June 7, 1927. Class 21.
Seajoy Coy, The. (See Evans, Thos.)

Sears & Derr Company, The, Chillicothe, Ohio. Table sirups and food-flavoring extracts, etc. 231,826; Aug. 30; Serial No. 246,638; published June 14, 1927. Class 46.

Seed, M. A., Dry Plate Company, St. Louis, Mo., assignor to Defender Photo Supply Company, Inc., Rochester, N. Y. Photographic dry plates and films. 65,506; renewed Oct. 8, 1927.

Segelman, Jacob P., & Company, Detroit, Mich. Razor blades. 231,853; Aug. 30; Serial No. 248,597; published June 21, 1927. Class 23.

Seigel, F. I., & Son, doing business as Fison Paint Products Company, Union City, N. J. Paints, varnish, lacquer, and paint enamels. 231,931; Aug. 30; Serial No. 245,411; published June 21, 1927. Class 16.

Sellers, William I., doing business as Sellers Drug Company, Toulminville, Mobile, Ala. Insecticide. 232,133; Aug. 30. Class 6.

Sheet Aluminum Corporation, Jackson, Mich. Pure and alloyed aluminum sheets, bars, blocks, etc. 231,845; Aug. 30; Serial No. 245,164; published June 14, 1927. Class 14.

Simonovitz, Samuel, doing business as S. Simonovitz & Co., Cleveland, Ohio. Beverage. 232,053; Aug. 30; Serial No. 246,573; published June 21, 1927. Class 45.

Simpson, George H., to Wm. G. William Paper Co. Inc., New York, N. Y., successor. Writing paper. 30,901; renewed Nov. 23, 1927.

Singing Magazine Co., Inc., New York, N. Y. Magazine. 231,854; Aug. 30; Serial No. 248,508; published June 14, 1927. Class 38.

Smith & Egge Mfg. Co., The, Bridgeport, Conn. Locks and keys. 66,816; renewed Dec. 31, 1927.

South End Meat Products Co., The, Cleveland, Ohio. Ham, bacon, and sausage. 231,951; Aug. 30; Serial No. 242,446; published June 14, 1927. Class 46.

Sperbeck, Oscar, Poughkeepsie, N. Y. All-leaf cigars clippings and Havana smoking tobacco. 231,993; Aug. 30; Serial No. 243,119; published June 21, 1927. Class 17.

Sportcraft Knitting & Manufacturing Co., Seattle, Wash. Swimming suits. 232,057; Aug. 30; Serial No. 234,233; published Aug. 17, 1926. Class 39.

Sprague, Warner & Company, Chicago, Ill. Flour. 31,025; renewed Dec. 21, 1927.

Srager, Grace, doing business as Chatham Petroleum Company, New York, N. Y. Prepared wax for polishes, etc. 232,012; Aug. 30; Serial No. 247,045; published June 14, 1927. Class 16.

Stabler, Jordan, Company, Baltimore, Md. Sandwich filling made from genuine razor-back ham and other ingredients, 232,132; Aug. 30. Class 46.

Stacy Williams Co., The, Birmingham, Ala. Table sirup. 231,920; Aug. 30; Serial No. 247,646; published June 14, 1927. Class 46.

Stahl, Otto, Inc., New York, N. Y. Lard. 231,820; Aug. 30; Serial No. 247,563; published June 21, 1927. Class 46.

Standard Insulation Company, Rutherford, N. J. Insulating varnish. 231,998; Aug. 30; Serial No. 243,395; published May 31, 1927. Class 21.

Star Brush Manufacturing Co. Inc., Brooklyn, N. Y. Brushes. 232,104; Aug. 30; Serial No. 214,187; published May 25, 1926. Class 29.

Starr Knitting Mills, Inc., Pleasantville, N. J. Hosiery. 231,883; Aug. 30; Serial No. 247,224; published May 31, 1927. Class 39.

State Dress Manufacturing Co. (See Felt, Louis.)

Statistical Tabulating Service, New York, N. Y. Completely-printed tabulated cards. 231,861; Aug. 30; Serial No. 245,665; published June 14, 1927. Class 38.

Step-In-All Underwear Corp., Springfield, Mass. Underwear. 232,074; Aug. 30; Serial No. 245,869; published May 31, 1927. Class 39.

Stone, Clarence G., Mount Vernon, N. Y. Pile ointment. 231,901; Aug. 30; Serial No. 248,019; published June 21, 1927. Class 6.

Studebaker Corporation, The, South Bend, Ind. Internal-combustion engines and structural parts thereof. 231,806; Aug. 30; Serial No. 247,978; published June 21, 1927. Class 23.

Studebaker Corporation, The, South Bend, Ind. Automobiles and structural parts thereof. 231,902; Aug. 30; 231,902; Aug. 30; Serial No. 247,977; published June 21, 1927. Class 19.

Suffolk Brewing Company. (See New England Brewing Co.)

Sullivan Company, The, Memphis, Tenn. House paints, varnishes, white lead and zinc in oil, and roof paints. 231,875; Aug. 30; Serial No. 240,832; published Jan. 11, 1927. Class 16.

Sullivan, McKenzie J., doing business as The Army and Navy Courier, San Antonio, Tex. Magazine. 231,966; Serial No. 244,335; Aug. 30; published June 14, 1927. Class 38.

Sunical Packing Company, San Francisco, Calif. Canned fruits, vegetables, etc. 231,827; Aug. 30; Serial No. 246,645; published June 14, 1927. Class 46.

Sunland Sales Cooperative Association, Fresno, Calif. Dried prunes, figs, raisings, peaches, etc. 231,930; Aug. 30; Serial No. 237,880; published June 14, 1927. Class 46.

Sunrise Ginger Ale Co. (See Wilson, Fred W., Inc.)

Supercraft Products Corporation, New York, N. Y. Vacuum tubes. 231,992; Aug. 30; Serial No. 242,864; published June 14, 1927. Class 21.

Swift and Company, Chicago, Ill. Washing powder. 232,002; Aug. 30; Serial No. 248,380; published June 14, 1927. Class 4.

Swisher, John H., & Son, Incorporated, Newark, Ohio. Cigars. 232,064; Aug. 30; Serial No. 247,296; published May 31, 1927. Class 17.

Taylor, Henry, assignor to Henry Taylor, Limited, Sheffield, England. Cutlery and edge tools. 30,834; renewed Nov. 9, 1927.

Templeton, Kenly & Company, Limited, Chicago, Ill. Trench braces. 232,065; Aug. 30; Serial No. 247,299; published June 14, 1927. Class 23.

Textile Specialties Co., Norristown, Pa. Spring-steel wire and spring wire. 231,887; Aug. 30; Serial No. 241,550; published June 14, 1927. Class 14.

Thermo-Electric Company, Inc., The, New Orleans, La. Automatic electric incubators and brooders. 231,938; Aug. 30; Serial No. 237,136; published May 31, 1927. Class 21.

Thomas, R., & Sons Co., The, East Liverpool, Ohio. Electrical insulators, insulator fittings, and insulator pins. 232,107; Aug. 30; Serial No. 219,459; published June 7, 1927. Class 21.

Torrington Company, The, Torrington, Conn. Knitting-machine needles. 231,838; Aug. 30; Serial No. 245,459; published June 14, 1927. Class 23.

Traylor Vibrator Company, The, Denver, Colo. Screens or screening machines. 232,054; Aug. 30; Serial No. 246,515; published June 21, 1927. Class 23.

Triplex Safety Glass Company of North America, Hoboken, N. J. Laminated nonshatterable or safety glass. 232,034; Aug. 30; Serial No. 246,188; published June 21, 1927. Class 33.

Turchi, D. A., Sons, Philadelphia, Pa. Beverage and sirup for making same. 231,855–6; Aug. 30; Serial Nos. 246,240–1; published June 7, 1927. Class 45.

Twistum Toy Factory, Oakland, Calif. Toy animals. 231,925; Aug. 30; Serial No. 247,400; published June 14, 1927. Class 22.

Tyler Manufacturing Company, The, Muncie, Ind. Jar lifters and jar wrenches. 231,865; Aug. 30; Serial No. 245,524; published June 21, 1927. Class 23.

Union Bag and Paper Company, Chicago, Ill., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 30,603; renewed Oct. 5, 1927.

Union Tank & Pipe Co., Los Angeles, Calif. Storage tanks and metal shipping drums. 232,113; Aug. 30; Serial No. 226,698; published June 21, 1927. Class 2.

United States Laboratories, Davenport, Iowa. Insecticide. 231,971; Aug. 30; Serial No. 244,639; published June 21, 1927. Class 6.

United States Rubber Company. (See Gorham, William J., assignor.)

Universal Stamping & Mfg. Co., Chicago, Ill. Money changers and payers. 231,911; Aug. 30; Serial No. 247,453; published June 14, 1927. Class 26.

Utility Manufacturing Company Inc., Baltimore, Md. Sponge baskets, soap trays, etc. 231,829; Aug. 30; Serial No. 246,723; published June 21, 1927. Class 13.

Val Blatz Brewing Company, Milwaukee, Wis. Chewing gum. 231,808; Aug. 30; Serial No. 247,916; published June 14, 1927. Class 46.

Velva Chemical Co. (See Paull, Emma P.)

Victorius, A. V., & Company, New York, N. Y. Hosiery. 231,831; Aug. 30; Serial No. 246,791; published May 31, 1927. Class 39.

Vitalait Laboratory of California, Inc., The, Pasadena, Calif. Blood coagulants produced from lymphoid glands. 231,896; Aug. 30; Serial No. 248,139; published June 21, 1927. Class 6.

Vita-Ray Company. (See Broady, Joseph C.)

Vogt, Henry, Machine Company, Louisville, Ky. Device for extracting superheat from gases and vapors, etc. 231,846; Aug. 30; Serial No. 245,123; published June 14, 1927. Class 23.

W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 231,832; Aug. 30; Serial No. 246,864; published June 14, 1927. Class 46.

Wall-Rogalsky Milling Company, The, McPherson, Kans. Wheat flour. 66,034; renewed Nov 5, 1927.

Ward, Samuel, Manufacturing Company, Boston, Mass. Writing papers and envelopes, typewriting paper, tablets, score pads, etc. 231,840; Aug. 30; Serial No. 245,376; published June 14, 1927. Class 37.

Ware Woolen Company, Ware, Mass. Woolen piece goods. 232,013; Aug. 30; Serial No. 247,050; published June 7, 1927. Class 42.

Waterbury, Raymond D., Jamaica, N. Y. Grape and fruit presser. 231,848; Aug. 30; Serial No. 248,381; published June 14, 1927. Class 23.

Waters-Genter Company, Minneapolis, Minn. Device intended to maintain the freshness of bakery products by means of a heated medium. 231,941; Aug. 30; Serial No. 246,725; published June 21, 1927. Class 34.

Watkins Packing Co., to Watkins Packing Company, Odessa, Del., successor. Canned corn. 66,205; renewed Nov. 12, 1927.

Watts, Easter, New Haven, Conn. Rheumatic medicine. 232,130; Aug. 30. Class 6.

Weber Electric Company, Schenectady, N. Y. Sockets for electric lights and the like. 232,049; Aug. 30; Serial No. 246,649; published June 7, 1927. Class 21.

West Ontario Citrus Association, Ontario, Calif. Fresh citrous fruits. 232,004; Aug. 30; Serial No. 248,604; published June 14, 1927. Class 46.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Powder puffs. 231,810; Aug. 30; Serial No. 247,836; published June 21, 1927. Class 29.

Western Soap & Chemical Co., Los Angeles, Calif. Toilet preparation and solvent for drainpipe obstructions and laundry bleach. 232,019; Aug. 30; Serial No. 245,175; published June 21, 1927. Class 6.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Metallic piston-packing rings. 231,961–4; Aug. 30; Serial Nos. 244,261–4; published June 21, 1927. Class 35.

Weymac Manufacturing Corp., The, New York, N. Y. Paints, paint enamels, and varnishes. 231,974; Aug. 30; Serial No. 244,807; published June 21, 1927. Class 16.

Wheeler, Harvey C., doing business as Wheeler Clean Towel Company, Boston, Mass. Fabric towels. 231,919; Aug. 30; Serial No. 247,652; published June 21, 1927. Class 42.

Whistle Company of America, Inc. (See Jones, Vess.)

White, Fred H., Toledo, Ohio. Indicators for automobiles. 231,858; Aug. 30; Serial No. 245,770; published June 14, 1927. Class 26.

White, John, jr., doing business as New Brunswick Laboratories, New Brunswick, N. J. Cod liver oil for poultry and stock. 232,094; Aug. 30; Serial No. 245,943; published June 14, 1927. Class 6.

White Tar Company of New Jersey, Inc., The, Kearny, N. J. Bath salts. 231,975; Aug. 30; Serial No. 248,981; published June 21, 1927. Class 6.

Whitridge, White and Company, Baltimore, Md. Burlaps. 66,972; renewed Jan. 7, 1928.

Wicke, A. C., Manufacturing Company, New York, N. Y. Refrigerator display cases. 232,122; Aug. 30. Class 31.

Wichle Soap Company, The, Ironton, Ohio, assignor, by mesne assignments, to Safetee Soap Corporation, Brooklyn, N. Y. Bar soap. 54,421; renewed June 26, 1926.

Wiggin's, H. B., Sons Company, Bloomfield, N. J. Certain wall coverings. 64,908; renewed July 16, 1927.

Willmann, W. G., Paper Co. Inc. (See Simpson, George H.)

Wills, George, & Sons, Ltd., London, England, and New York, N. Y. Silks, cottons, woolens, and rayon fabrics. 231,885; Aug. 30; Serial No. 241,308; published June 21, 1927. Class 42.

Wilson, Fred W., Inc., doing business as Sunrise Ginger Ale Co., Sag Harbor, N. Y. Ginger ale. 232,108; Aug. 30; Serial No. 221,152; published Dec. 22, 1925. Class 45.

Winchester Repeating Arms Company, New Haven, Conn. Radiators and parts thereof. 231,807; Aug. 30; Serial No. 247,920; published June 21, 1927. Class 34.

Wood, Marshall C., Manufacturing Company, Truxton, N. Y. Tables. 232,135; Aug. 30. Class 32.

Wood, Marshall C., Manufacturing Company, Truxton, N. Y. Tables. 232,141; Aug. 30. Class 32.

Wurzenburg Malt Extract Co. (See Denend, Joseph F.)

Zaroff, Sotir, St. Louis, Mo. Nonalcoholic, maltless sirup sold as a soft drink. 231,955; Aug. 30; Serial No. 243,518; published June 7, 1927. Class 45.

Zerbst, Edward A., St. Joseph, Mo. Remedies for colds and la grippe. 63,793; renewed July 9, 1927.

Zetka Laboratories, Inc., Newark, N. J. Electron tubes. 231,996; Aug. 30; Serial No. 243,183; published May 31, 1927. Class 21.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 231,958; Aug. 30; Serial No. 243,912; published June 7, 1927. Class 42.

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Conner, R. Grace, Tacoma, Wash. Bunny Bread. For Bread. 32,653; Aug. 30.

Davis Chemical Company, Boston, Mass. Du-Ko-Lene. For Automobile Polish and Cleaner. 32,654; Aug. 30.

Earl Fruit Company, Wenatchee, Wash. Heavy Pack. For Fresh Apples. 32,655–7; Aug. 30.

Faehndrich, William, Inc., New York, N. Y. Type Selected Camembert Famous Brand. For Cheese. 32,658; Aug. 30.

Faehndrich, William, Inc., New York, N. Y. Selected Camembert. For Cheese. 32,659; Aug. 30.

Faehndrich, William, Inc., New York, N. Y. Selected Gruyére. For Cheese. 32,660; Aug. 30.

Gelfand Manufacturing Co., The, Baltimore, Md. Yum Yum. For Relishes. 32,661; Aug. 30.

Grekko Chemical Company, Minneapolis, Minn. Grekko Hay Fever Remedy. For a Medicine for the Treatment of Hay Fever, Rose Fever, Summer Asthma, Summer Catarrh, and Head Colds. 32,662; Aug. 30.

Gulbrandson, C. D., doing business as T. R. Co., Minneapolis, Minn. T. T. Beauty Oil. For a Toilet Preparation. 32,663; Aug. 30.

Haglund, Chas. and Anna, Los Angeles, Calif. Smooth-Ease. For Lotion to be Applied to the Skin. 32,664; Aug. 30.

Ivoroid Mixed Paint Company, Newark, N. J. Pintura Elefante. For Ready-Mixed Paint. 32,665; Aug. 30.

McKenna, John J., Butte, Mont. Bitter Root Brand. For Ink. 32,666; Aug. 30.

Moorehead, James W., doing business as Moorehead Chemical Company, Zelienople, Pa. Moore Brake. For Lubricating Dressing for Brakes. 32,667; Aug. 30.

N. A. M. Co., S. F. (See North American Mercantile Company.)

New York Tea & Coffee Company, Buffalo, N. Y. State House Coffee. For Coffee. 32,668; Aug. 30.

North American Mercantile Company, doing business as N. A. M. Co., S. F., San Francisco, Calif. Namco Baby. For Canned Clams. 32,669; Aug. 30.

Oliver, Kathryn, Stapleton, N. Y. Crysto-Vaso. For a Skin Preparation. 32,670; Aug. 30.

Palmer, Gene, Inc., Los Angeles, Calif. India Night. For Perfume. 32,671; Aug. 30.

Palmer, Gene, Inc., Los Angeles, Calif. Desert Primrose. For Perfume. 32,672; Aug. 30.

Ray-Brown Company, Inc., Woodburn, Oreg. Flavora. For Fresh Prunes. 32,673; Aug. 30.

Ray-Brown Company, Inc., Woodburn, Oreg. Fresh Seal. For Canned Blackberries. 32,674; Aug. 30.

Ray-Brown Company, Inc., Woodburn, Oreg. Tastay. For Canned Cherries. 32,675; Aug. 30.

Ray-Brown Company, Inc., Woodburn, Oreg. Gardenia. For Canned Strawberries. 32,676; Aug. 30.

Ray-Brown Company, The, Woodburn, Oreg. Topping. For Canned Pears. 32,677; Aug. 30.

Reefer's No-Moth, Inc., New York, N. Y., and Philadelphia, Pa. Reefer's No-Moth. For Scientific Moth Preventative. 32,678; Aug. 30.

Seitz, J. A., doing business as Specification Oil Marketers' Association, Syracuse, N. Y. Certificate of Analysis. For Motor Oil. 32,679; Aug. 30.

Shaffer Stores Company, Altoona, Pa. Penn-Alto. For Canned Pineapple. 32,680; Aug. 30.

Specification Oil Marketers' Association. (See Seitz, J. A.)

Sprague, Warner & Company, Chicago, Ill. Dietaro. For Canned Spinach. 32,681; Aug. 30.

Stevens, Chas. A., & Bros., Chicago, Ill. The Shoe Box. For Shoes. 32,682; Aug. 30.

Stoll & Edwards Co. Inc., New York, N. Y. The Game Of Quizzer Questionnaire. For a Game. 32,683; Aug. 30.

T. R. Co. (See Gulbrandson, C. D.)

Walligorski, Joseph C., doing business as Wally Noodle Co., Chicago, Ill. Wally's Noodles. For Noodles. 32,684; Aug. 30.

Wally Noodle Co. (See Wallizorski, Joseph C.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

C. G. Spring & Bumper Company, The, Detroit, Mich. On Guard. For Vehicle Bumpers. 10,133; Aug. 30.

C. G. Spring & Bumper Company, The, Detroit, Mich. And Now Chromium Finished. For Vehicle Bumpers. 10,134; Aug. 30.

Chicago Sanitary Rag Co., The, Chicago, Ill. Beaver Brand Wiping Rags. For Wiping Rags. 10,135; Aug. 30.

Cream of Wheat Co., Minneapolis, Minn. Baby's First Solid Food—What Care is Needed in Choosing it. For Wheat Breakfast Food. 10,136; Aug. 30.

Cream of Wheat Co., Minneapolis, Minn. For the Post-Operative Diet—This Nourishing, Highly Digestible Food. For Wheat Breakfast Food. 10,137; Aug. 30.

Cream of Wheat Co., Minneapolis, Minn. Important Building Years—From 3 to 6. For Wheat Breakfast Food. 10,138; Aug. 30.

Sears & Derr Company, The, Chillicothe, Ohio. Table sirups and food-flavoring extracts, etc. 231,826; Aug. 30; Serial No. 246,638; published June 14, 1927. Class 46.

Seed, M. A., Dry Plate Company, St. Louis, Mo., assignor to Defender Photo Supply Company, Inc., Rochester, N. Y. Photographic dry plates and films. 65,506; renewed Oct. 8, 1927.

Segelman, Jacob P., & Company, Detroit, Mich. Razor blades. 231,853; Aug. 30; Serial No. 248,597; published June 21, 1927. Class 23.

Seigel, F. I., & Son, doing business as Fison Paint Products Company, Union City, N. J. Paints, varnish, lacquer, and paint enamels. 231,931; Aug. 30; Serial No. 245,411; published June 21, 1927. Class 16.

Sellers, William I., doing business as Sellers Drug Company, Toulminville, Mobile, Ala. Insecticide. 232,133; Aug. 30. Class 6.

Sheet Aluminum Corporation, Jackson, Mich. Pure and alloyed aluminum sheets, bars, blocks, etc. 231,845; Aug. 30; Serial No. 245,164; published June 14, 1927. Class 14.

Simonovitz, Samuel, doing business as S. Simonovitz & Co., Cleveland, Ohio. Beverage. 232,053; Aug. 30; Serial No. 246,573; published June 21, 1927. Class 45.

Simpson, George H., to Wm. G. William Paper Co. Inc., New York, N. Y., successor. Writing paper. 30,901; renewed Nov. 23, 1927.

Singing Magazine Co., Inc., New York, N. Y. Magazine. 231,854; Aug. 30; Serial No. 248,598; published June 14, 1927. Class 38.

Smith & Egge Mfg. Co., The, Bridgeport, Conn. Locks and keys. 66,816; renewed Dec. 31, 1927.

South End Meat Products Co., The, Cleveland, Ohio. Ham, bacon, and sausage. 231,951; Aug. 30; Serial No. 242,446; published June 14, 1927. Class 46.

Sperbeck, Oscar, Poughkeepsie, N. Y. All-leaf cigars clippings and Havana smoking tobacco. 231,993; Aug. 30; Serial No. 243,119; published June 21, 1927. Class 17.

Sportcraft Knitting & Manufacturing Co., Seattle, Wash. Swimming suits. 232,057; Aug. 30; Serial No. 234,233; published Aug. 17, 1926. Class 39.

Sprague, Warner & Company, Chicago, Ill. Flour. 31,025; renewed Dec. 21, 1927.

Srager, Grace, doing business as Chatham Petroleum Company, New York, N. Y. Prepared wax for polishes, etc. 232,012; Aug. 30; Serial No. 247,045; published June 14, 1927. Class 16.

Stabler, Jordan, Company, Baltimore, Md. Sandwich filling made from genuine razor-back ham and other ingredients. 232,132; Aug. 30. Class 46.

Stacy Williams Co., The, Birmingham, Ala. Table sirup. 231,920; Aug. 30; Serial No. 247,646; published June 14, 1927. Class 46.

Stahl, Otto, Inc., New York, N. Y. Lard. 231,820; Aug. 30; Serial No. 247,563; published June 21, 1927. Class 46.

Standard Insulation Company, Rutherford, N. J. Insulating varnish. 231,998; Aug. 30; Serial No. 243,395; published May 31, 1927. Class 21.

Star Brush Manufacturing Co. Inc., Brooklyn, N. Y. Brushes. 232,104; Aug. 30; Serial No. 214,187; published May 25, 1926. Class 29.

Starr Knitting Mills, Inc., Pleasantville, N. J. Hosiery. 231,883; Aug. 30; Serial No. 247,224; published May 31, 1927. Class 39.

State Dress Manufacturing Co. (See Felt, Louis.)

Statistical Tabulating Service, New York, N. Y. Completely-printed tabulated cards. 231,861; Aug. 30; Serial No. 245,665; published June 14, 1927. Class 38.

Step-In-All Underwear Corp., Springfield, Mass. Underwear. 232,074; Aug. 30; Serial No. 245,869; published May 31, 1927. Class 39.

Stone, Clarence G., Mount Vernon, N. Y. Pile ointment. 231,901; Aug. 30; Serial No. 248,019; published June 21, 1927. Class 6.

Studebaker Corporation, The, South Bend, Ind. Internal-combustion engines and structural parts thereof. 231,806; Aug. 30; Serial No. 247,978; published June 21, 1927. Class 23.

Studebaker Corporation, The, South Bend, Ind. Automobiles and structural parts thereof. 231,902; Aug. 30; 231,902; Aug. 30; Serial No. 247,977; published June 21, 1927. Class 19.

Suffolk Brewing Company. (See New England Brewing Co.)

Sullivan Company, The, Memphis, Tenn. House paints, varnishes, white lead and zinc in oil, and roof paints. 231,875; Aug. 30; Serial No. 240,832; published Jan. 11, 1927. Class 16.

Sullivan, McKenzie J., doing business as The Army and Navy Courier, San Antonio, Tex. Magazine. 231,966; Serial No. 244,335; Aug. 30; published June 14, 1927. Class 38.

Sunical Packing Company, San Francisco, Calif. Canned fruits, vegetables, etc. 231,827; Aug. 30; Serial No. 246,645; published June 14, 1927. Class 46.

Sunland Sales Cooperative Association, Fresno, Calif. Dried prunes, figs, raisings, peaches, etc. 231,939; Aug. 30; Serial No. 237,880; published June 14, 1927. Class 46.

Sunrise Ginger Ale Co. (See Wilson, Fred W., Inc.)

Supercraft Products Corporation, New York, N. Y. Vacuum tubes. 231,992; Aug. 30; Serial No. 242,864; published June 14, 1927. Class 21.

Swift and Company, Chicago, Ill. Washing powder. 232,002; Aug. 30; Serial No. 248,380; published June 14, 1927. Class 4.

Swisher, John H., & Son, Incorporated, Newark, Ohio. Cigars. 232,064; Aug. 30; Serial No. 247,296; published May 31, 1927. Class 17.

Taylor, Henry, assignor to Henry Taylor, Limited, Sheffield, England. Cutlery and edge tools. 30,834; renewed Nov. 9, 1927.

Templeton, Kenly & Company, Limited, Chicago, Ill. Trench braces. 232,065; Aug. 30; Serial No. 247,299; published June 14, 1927. Class 23.

Textile Specialties Co., Norristown, Pa. Spring-steel wire and spring wire. 231,887; Aug. 30; Serial No. 241,550; published June 14, 1927. Class 14.

Thermo-Electric Company, Inc., The, New Orleans, La. Automatic electric incubators and brooders. 231,938; Aug. 30; Serial No. 237,136; published May 31, 1927. Class 21.

Thomas, R., & Sons Co., The, East Liverpool, Ohio. Electrical insulators, insulator fittings, and insulator pins. 232,107; Aug. 30; Serial No. 219,459; published June 7, 1927. Class 21.

Torrington Company, The, Torrington, Conn. Knitting-machine needles. 231,838; Aug. 30; Serial No. 245,459; published June 14, 1927. Class 23.

Traylor Vibrator Company, The, Denver, Colo. Screens or screening machines. 232,054; Aug. 30; Serial No. 246,515; published June 21, 1927. Class 23.

Triplex Safety Glass Company of North America, Hoboken, N. J. Laminated nonshatterable or safety glass. 232,034; Aug. 30; Serial No. 246,183; published June 21, 1927. Class 33.

Turchi, D. A., Sons, Philadelphia, Pa. Beverage and sirup for making same. 231,855-6; Aug. 30; Serial Nos. 246,240-1; published June 7, 1927. Class 45.

Twistum Toy Factory, Oakland, Calif. Toy animals. 231,925; Aug. 30; Serial No. 247,400; published June 14, 1927. Class 22.

Tyler Manufacturing Company, The, Muncie, Ind. Jar lifters and jar wrenches. 231,865; Aug. 30; Serial No. 245,524; published June 21, 1927. Class 23.

Union Bag and Paper Company, Chicago, Ill., assignor to Union Bag & Paper Corporation, Jersey City, N. J., and New York, N. Y. Paper bags. 30,603; renewed Oct. 5, 1927.

Union Tank & Pipe Co., Los Angeles, Calif. Storage tanks and metal shipping drums. 232,113; Aug. 30; Serial No. 226,698; published June 21, 1927. Class 2.

United States Laboratories, Davenport, Iowa. Insecticide. 231,971; Aug. 30; Serial No. 244,639; published June 21, 1927. Class 6.

United States Rubber Company. (See Gorham, William J., assignor.)

Universal Stamping & Mfg. Co., Chicago, Ill. Money changers and payers. 231,911; Aug. 30; Serial No. 247,453; published June 14, 1927. Class 26.

Utility Manufacturing Company Inc., Baltimore, Md. Sponge baskets, soap trays, etc. 231,829; Aug. 30; Serial No. 246,723; published June 21, 1927. Class 13.

Val Blatz Brewing Company, Milwaukee, Wis. Chewing gum. 231,808; Aug. 30; Serial No. 247,916; published June 14, 1927. Class 46.

Velva Chemical Co. (See Panli, Emma P.)

Victorius, A. V., & Company, New York, N. Y. Hosiery. 231,831; Aug. 30; Serial No. 246,791; published May 31, 1927. Class 39.

Vitalait Laboratory of California, Inc., The, Pasadena, Calif. Blood coagulants produced from lymphoid glands. 231,896; Aug. 30; Serial No. 248,139; published June 21, 1927. Class 6.

Vita-Ray Company. (See Broady, Joseph C.)

Vogt, Henry, Machine Company, Louisville, Ky. Device for extracting superheat from gases and vapors, etc. 231,846; Aug. 30; Serial No. 245,123; published June 14, 1927. Class 23.

W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 231,832; Aug. 30; Serial No. 246,864; published June 14, 1927. Class 46.

Wall-Rogalsky Milling Company, The, McPherson, Kans. Wheat flour. 66,034; renewed Nov 5, 1927.

Ward Samuel, Manufacturing Company, Boston, Mass. Writing papers and envelopes, typewriting paper, tablets, score pads, etc. 231,840; Aug. 30; Serial No. 245,376; published June 14, 1927. Class 37.

Ware Woolen Company, Ware, Mass. Woolen piece goods. 232,013; Aug. 30; Serial No. 247,050; published June 7, 1927. Class 42.

Waterbury, Raymond D., Jamaica, N. Y. Grape and fruit presser. 231,848; Aug. 30; Serial No. 248,381; published June 14, 1927. Class 23.

Waters-Genter Company, Minneapolis, Minn. Device intended to maintain the freshness of bakery products by means of a heated medium. 231,941; Aug. 30; Serial No. 246,725; published June 21, 1927. Class 34.

Watkins Packing Co., to Watkins Packing Company, Odessa, Del., successor. Canned corn. 66,205; renewed Nov. 12, 1927.

Watts, Easter, New Haven, Conn. Rheumatic medicine. 232,130; Aug. 30. Class 6.

Weber Electric Company, Schenectady, N. Y. Sockets for electric lights and the like. 232,049; Aug. 30; Serial No. 246,649; published June 7, 1927. Class 21.

West Ontario Citrus Association, Ontario, Calif. Fresh citrous fruits. 232,004; Aug. 30; Serial No. 248,604; published June 14, 1927. Class 46.

Western Bottle Manufacturing Company, doing business as The Western Company, Chicago, Ill. Powder puffs. 231,810; Aug. 30; Serial No. 247,836; published June 21, 1927. Class 29.

Western Soap & Chemical Co., Los Angeles, Calif. Toilet preparation and solvent for drainpipe obstructions and laundry bleach. 232,019; Aug. 30; Serial No. 245,175; published June 21, 1927. Class 6.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Metallic piston-packing rings. 231,961-4; Aug. 30; Serial Nos. 244,261-4; published June 21, 1927. Class 35.

Weymac Manufacturing Corp., The, New York, N. Y. Paints, paint enamels, and varnishes. 231,974; Aug. 30; Serial No. 244,807; published June 21, 1927. Class 16.

Wheeler, Harvey C., doing business as Wheeler Clean Towel Company, Boston, Mass. Fabric towels. 231,919; Aug. 30; Serial No. 247,652; published June 21, 1927. Class 42.

Whistle Company of America, Inc. (See Jones, Vess.)

White, Fred H., Toledo, Ohio. Indicators for automobiles. 231,858; Aug. 30; Serial No. 245,770; published June 14, 1927. Class 26.

White, John, jr., doing business as New Brunswick Laboratories, New Brunswick, N. J. Cod-liver oil for poultry and stock. 232,094; Aug. 30; Serial No. 245,943; published June 14, 1927. Class 6.

White Tar Company of New Jersey, Inc., The, Kearny, N. J. Bath salts. 231,975; Aug. 30; Serial No. 248,981; published June 21, 1927. Class 6.

Whitridge, White and Company, Baltimore, Md. Burlaps. 66,972; renewed Jan. 7, 1928.

Wicke, A. C., Manufacturing Company, New York, N. Y. Refrigerator display cases. 232,122; Aug. 30. Class 31.

Wiehle Soap Company, The, Ironton, Ohio, assignor, by mesne assignments, to Safetee Soap Corporation, Brooklyn, N. Y. Bar soap. 54,421; renewed June 26, 1926.

Wiggin's, H. B., Sons Company, Bloomfield, N. J. Certain wall coverings. 64,908; renewed July 16, 1927.

Willmann, W. G., Paper Co. Inc. (See Simpson, George H.)

Wills, George, & Sons, Ltd., London, England, and New York, N. Y. Silks, cottons, woolens, and rayon fabrics. 231,885; Aug. 30; Serial No. 241,308; published June 21, 1927. Class 42.

Wilson, Fred W., Inc., doing business as Sunrise Ginger Ale Co., Sag Harbor, N. Y. Ginger ale. 232,108; Aug. 30; Serial No. 221,152; published Dec. 22, 1925. Class 45.

Winchester Repeating Arms Company, New Haven, Conn. Radiators and parts thereof. 231,807; Aug. 30; Serial No. 247,920; published June 21, 1927. Class 34.

Wood, Marshall C., Manufacturing Company, Truxton, N. Y. Tables. 232,135; Aug. 30. Class 32.

Wood, Marshall C., Manufacturing Company, Truxton, N. Y. Tables. 232,141; Aug. 30. Class 32.

Wurzenburg Malt Extract Co. (See Denend, Joseph F.)

Zaroff, Sotir, St. Louis, Mo. Nonalcoholic, maltless sirup sold as a soft drink. 231,955; Aug. 30; Serial No. 243,518; published June 7, 1927. Class 45.

Zerbst, Edward A., St. Joseph, Mo. Remedies for colds and la grippe. 63,793; renewed July 9, 1927.

Zetka Laboratories, Inc., Newark, N. J. Electron tubes. 231,996; Aug. 30; Serial No. 243,183; published May 31, 1927. Class 21.

Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 231,958; Aug. 30; Serial No. 243,912; published June 7, 1927. Class 42.

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Cream of Wheat Co., Minneapolis, Minn. Important Building Years—From 3 to 6. For Wheat Breakfast Food. 10,138; Aug. 30.

Cream of Wheat Co., Minneapolis, Minn. For Any Diet Where Starch is Allowed—This Tempting Vegetable Dish. For Wheat Breakfast Food. 10,139; Aug. 30.
Dowker, John A., Independence, Mo. Kream of the Krude. For Oil and Products. 10,140; Aug. 30.
Dowker, John A., Independence, Mo. D-Mosco. For Oil Products. 10,141; Aug. 30.
Fargo, Frank M., Evanston, Ill. Mak-A-Wagon. For Mak-a-Wagon Novelties. 10,142; Aug. 30.
Kaempfer's, Chicago, Ill. A Canary Belongs in Every Home. For Canary Birds, Foods, Seeds, and Remedies. 10,143; Aug. 30.
Klein, Alec S., doing business as Klein Noodle Company, Chicago, Ill. Mrs. Klein's Home Made Real Egg Noodles. For Noodles. 10,144; Aug. 30.
Lehn & Fink, Inc., New York, N. Y. Lysol. For Disinfectant. 10,145; Aug. 30.
Postum Co., Inc., New York, N. Y. Out of 100 Pounds of Special Wheat Only 26 Pounds are Good Enough for Swans Down. For Cake Flour. 10,146; Aug. 30.
Tri-State Ice Cream Corporation, La Crosse, Wis. Ice Cream. For Ice Cream. 10,147; Aug. 30.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Braids, tapes, pins, etc. 186,095; Aug. 30. Class 40.
Abraham & Straus, Inc., New York, N. Y. Hair nets. 239,221; Aug. 30. Class 42.
Acme Brick Company, Fort Worth, Tex. Brick. 250,283; Aug. 30. Class 12.
Ahles, Martha W., doing business as Tuck-A-Way Mfg. Co. (Not Inc.), Chicago, Ill. Collapsible cabinets. 241,687; Aug. 30. Class 2.
American Stores Company, Philadelphia, Pa. Sandwich spreads. 251,599; Aug. 30. Class 46.
Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure caps for food containers. 239,914; Aug. 30. Class 50.
Angus Watson & Co. America; Limited. (See Tea Time Preserving Company Limited, assignor.)
Arrow Needle Company, Manchester, N. H. Latch needles. 251,476; Aug. 30. Class 23.
Arrow Supply & Importing Co., New York, N. Y. Articles exclusively used for dental purposes. 250,008; Aug. 30. Class 44.
Associated Merchandising Corporation, New York, N. Y. Comfort slippers. 251,423; Aug. 30. Class 39.
Atlas-Globe China Company, The, Niles, Ohio. China dinner ware. 251,161; Aug. 30. Class 30.
Atlas-Globe China Company, The, Niles, Ohio. China, porcelain, pottery, etc. 251,162; Aug. 30. Class 30.
Automotive Laboratories. (See M & M Company.)
Axtel, Frances C., Bellingham, Wash. Pills for constipation. 251,169; Aug. 30. Class 6.
Baker, H. W., Linen Co., New York, N. Y. Napkins, table tops, tray covers, etc. 247,770; Aug. 30. Class 42.
Baker, William H., doing business as Wa-Hoo Remedy Co., Independence, Mo. Blood and nerve tonic. 251,944; Aug. 30. Class 6.
Barber Asphalt Company, The, Philadelphia, Pa. Refrigerators and refrigerating machines. 251,709; Aug. 30. Class 31.
Baron & Baron, Kendal, England. Cardigan jackets and scarfs for men and women, wrap coats, waist coats, etc. 250,058; Aug. 30. Class 39.
Batterien- u. Elemente-Fabrik System Zeller Aktiengesellschaft, Berlin, Germany. Electric cells, dry and refill batteries, etc. 251,647; Aug. 30. Class 21.
Bay City Canning Company, Bay City, Tex. Canned chile con carne. 249,634; Aug. 30. Class 46.
Bedard, Firmin, doing business as Gold Thread Syrup Compound Manufacturing Co., New Bedford, Mass. Medicinal preparation for sick headache, indigestion, etc. 247,592; Aug. 30. Class 6.
Belding Heminway Company, New York, N. Y. Silk twist. 251,481; Aug. 30. Class 43.
Bell, James E., doing business as "J. B." Products Co., La Porte, Ind. Water softener. 252,027; Aug. 30. Class 6.
Bering-Cortes Handware Co., Houston, Tex. Axes, hammers, hatchets, saws, etc. 251,216; Aug. 30. Class 23.
Betty Warner Products Co. (See Sadtler, Berta M.)
Bis-Mint Co. (See Mead, Raynor.)
Blackhawk Petroleum Co., Chicago, Ill. Lubricating oils and greases. 250,783; Aug. 30. Class 15.
Blanchard Bro. & Lane, Newark, N. J. Automobile carriage, and furniture leather. 233,761; Aug. 30. Class 1.
Bond Foundry and Machine Company, Manheim, Pa. Truck casters. 251,602; Aug. 30. Class 19.
Borden, M. C. D., & Sons, Inc., New York, N. Y. Cotton piece goods. 251,165; Aug. 30. Class 42.
Bragdon, Lord & Nagle Co., New York, N. Y. Series of questionnaire blanks. 252,312; Aug. 30. Class 38.
Brandhorst, Foster H., St. Paul, Minn. Medicine for the relief of colds and pain. 240,701; Aug. 30. Class 6.
Breakstone Bros. Inc., New York, N. Y. Cheese, butter, eggs, lard, etc. 251,385; Aug. 30. Class 46.
Brooks Shoe Manufacturing Company, Philadelphia, Pa. Ballet slippers. 233,417; Aug. 30. Class 39.
Budnitsky, Benjamin, doing business as Champion Shirt Co., New York, N. Y. Boys' shirts and blouses and men's shirts, etc. 250,597; Aug. 30. Class 39.
Buerger Brothers Supply Company, The, Denver, Colo. Face lotion. 252,086; Aug. 30. Class 6.
Bullock's, Los Angeles, Calif. Women's and misses' apparel. 249,569; Aug. 30. Class 39.
Burgess Battery Company, Madison, Wis. Electric batteries. 249,890; Aug. 30. Class 21.
Cactus Remedy Co. (See Hixson, Etta.)
Caledonia Cellulose Company, Inc., New York, N. Y. Sanitary napkins. 251,887; Aug. 30. Class 44.
Cambridge Textile Co., Inc., New York, N. Y. Cotton fabrics in the piece. 251,258; Aug. 30. Class 42.
Carborundum Company, The, Niagara Falls, N. Y. Electrical devices. 248,753; Aug. 30. Class 21.
Carr, James B., Chelmsford, Mass. Bleaches and bluing. 249,263; Aug. 30. Class 6.
Cedar Grove Shoe Mfg. Co., Cedar Grove, Wis. Shoes. 249,838; Aug. 30. Class 39.
Chabrow Brothers, Philadelphia, Pa. Canned fruits, vegetables, pickles, pork and beans, etc. 224,079; Aug. 30. Class 46.
Champion Shirt Co. (See Budnitsky, Benjamin.)
Chase Bag Co., New York, N. Y. Bags, sacks, containers, or fabrics for wrapping or lining packages or containers. 250,440; Aug. 30. Class 2.
Chemical Products Division of Rose Manufacturing Company. (See Rosenbluth, Edwin M.)
Chenango Textile Corporation, Binghamton, N. Y. Broad silks in the piece. 251,486; Aug. 30. Class 42.
Chloro Chemical Corporation, Dover, Del. Healing antiseptic ointments and liquids. 251,432; Aug. 30. Class 6.
Clark Manufacturing Company, Philadelphia, Pa. Metal Christmas-tree holders. 251,952; Aug. 30. Class 13.
Clay-Adams Company, Inc., New York, N. Y. Microscopic cover glasses and microscopic slides. 251,544; Aug. 30. Class 26.
Cohen & Platzer, New York, N. Y. Finger rings. 251,433; Aug. 30. Class 28.
Colledge, E. W., General Sales Agent, Inc., Jacksonville, Fla. Pine tar. 242,169; Aug. 30. Class 1.
Collingbourne Mills, Inc., Elgin, Ill. Thread and yarn. 252,503; Aug. 30. Class 43.
Connors, John P., doing business as Opportunity Products Company, Butte, Mont. Compound containing charcoal and extract of celery seed. 236,637; Aug. 30. Class 6.
Corn Products Refining Company, New York, N. Y. Laundry starch. 252,034; Aug. 30. Class 6.
Coudere, Justin, doing business as J. Coudere & Cie., Roquefort, France. Cheese. 247,413; Aug. 30. Class 46.
Cowan, Marion T., Nashville, Tenn. Pickles. 251,547; Aug. 30. Class 46.
Cred-Lect Company, doing business as Cred-Lect Service, Los Angeles, Calif. Bookkeeping ledgers, form letters. 207,971; Aug. 30. Class 37.
Cross, Roy, Kansas City, Mo. Automatic fuel feed for furnaces. 249,513; Aug. 30. Class 34.
Cushman-Hollis Company, Auburn, Me. Shoes. 251,299; Aug. 30. Class 39.
D & C Co. Inc., The, New York and Brooklyn, N. Y. Pie filling and self-rising flour for cakes, pies, biscuits, and pastry. 249,643; Aug. 30. Class 46.
Damerel-Allison Co., Covina, Calif. Oranges. 252,190; Aug. 30. Class 46.
Davis, H. B., Company, Baltimore, Md. Dry, paste, and ready-mixed paints, stains, varnishes, and paint enamels. 234,382; Aug. 30. Class 16.
Day, Effie M., El Paso, Tex. Outdoor sport clothes. 250,984; Aug. 30. Class 39.
Daynite Auto Light Co., Marion, Ohio. Auxiliary electric lamps for automobiles. 217,137; Aug. 30. Class 21.
Detroit Stoker Company, Monroe and Detroit, Mich. Stokers. 240,965; Aug. 30. Class 34.
Diamond, Albert, Chicago, Ill. Dandruff salve. 247,408; Aug. 30. Class 6.
Di Clo, John, Norristown, Pa. Undergarment. 247,313; Aug. 30. Class 39.
Doubleday, Page & Co., Garden City, N. Y. Publication. 251,823; Aug. 30. Class 38.
Eagle Wash Suit Co. Inc., New York, N. Y. Boys' and girls' wash suits. 249,576; Aug. 30. Class 39.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Eastern Food Products Co. (See Pelusio Filomeno.)
Editor & Publisher Co., The, New York, N. Y. Newspapers. 251,128; Aug. 30. Class 38.
Empire Hat Works, Chicago, Ill. Hats for women and children. 242,528; Aug. 30. Class 39.
Empire Silk Company, New York, N. Y. Silk piece goods. 251,437; Aug. 30. Class 42.
Everedy Company, The, Frederick, Md. Siphon filters, strainer sets, and screen-door checks. 249,048; Aug. 30. Class 13.
Exclusive Garment Shop, Inc., Baltimore, Md. Coats, suits, knickers, and hats for men, women, and children, dresses, skirts, pants, etc. 239,577; Aug. 30. Class 39.
Fairchild Brothers and Foster, New York, N. Y. Food preparation. 250,607; Aug. 30. Class 46.
Fair Play Carmels, Inc., Johnson City, N. Y. Candy. 247,612; Aug. 30. Class 46.
Farmers Bonded Warehouse Company, The, Burley, Idaho. Potatoes. 250,608; Aug. 30. Class 46.
Fauvarque Corday, Inc., New York, N. Y. Sheer woolen crepe in the piece. 248,763; Aug. 30. Class 42.
Fera, V., & Son, Lawrence, Mass. Malt sirup. 251,899; Aug. 30. Class 48.
Fondeville, Eugene L., doing business as A. J. Fonderille & Co., New York, N. Y. Porcelain ware. 251,553–4; Aug. 30. Class 30.
Ford, J. B., Company, The, Wyandotte, Mich. Cleaning and cleansing materials. 215,977; Aug. 30. Class 4.
Forest Hills Company, doing business as Old Colony Brewing Co., Boston, Mass. Malt beverages and extracts. 251,827; Aug. 30. Class 48.
Forest Hills Company, doing business as Old Colony Brewing Co., Boston, Mass. Malt beverages and extracts. 252,465; Aug. 30. Class 48.
Geiger, Howard A., Company, The, Cleveland, Ohio. Men's jewelry. 211,350; Aug. 30. Class 28.
General Ice Cream Corporation, Schenectady, N. Y. Ice cream and ices. 247,701–2; Aug. 30. Class 46.
Gevaert Photo-Production, N. V. Photo-Products Gevaert, S. A., Vieux-Dieu, Mortsel, near Antwerp, Belgium. Sensitised photographic papers and plates, film packs, portrait films, etc. 235,261–3; Aug. 30. Class 26.
Ginocchio, John, Chicago, Ill. Mineral water. 247,427; Aug. 30. Class 45.
Gladiator Co., Inc., The, New York, N. Y. Preparation for restoring gray or faded hair. 251,614; Aug. 30. Class 6.
Glass, Louis P., Brooklyn, N. Y. Cigars, cigarettes, and smoking tobacco. 251,332; Aug. 30. Class 17.
Gold Thread Syrup Compound Manufacturing Co. (See Bedard, Firmin.)
Gonzales, Arthur, New York, N. Y. Dried Mexican chick peas. 251,439; Aug. 30. Class 46.
Granville, Bevil G., doing business as Southwest Battery Co., Tucson, Ariz. Dry-cell batteries. 249,274; Aug. 30. Class 21.
Graybar Electric Company, Inc., New York, N. Y. Resin-core solder. 251,753; Aug. 30. Class 14.
Great American Tea Co., The, New York, N. Y. Tea. 252,377; Aug. 30. Class 46.
Greenberg & Tarnoff, New York, N. Y. Ladies' and misses' fur coats. 249,721; Aug. 30. Class 39.
Greif, L., & Bros. Incorporated, Baltimore, Md. Topcoats, overcoats, vests, trousers, etc. 251,337; Aug. 30. Class 39.
Gulf Supply Corporation, Inc., New Orleans, La. Toilet preparations. 249,850; Aug. 30. Class 6.
H. Bahlsen's Keksfabrik Aktiengesellschaft, Hanover, Germany. Yeast powder, extracts, etc. 247,590; Aug. 30. Class 46.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, cotton, and wool. 251,440; Aug. 30. Class 42.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, shirts, and cuffs. 250,747; Aug. 30. Class 39.
Hayward & Dahlen, Minneapolis, Minn. Motto, greeting, and printed cards and wall calendars. 234,709; Aug. 30. Class 38.
Hearn, James A., & Son, Inc., New York, N. Y. Cotton piece goods. 228,754; Aug. 30. Class 42.
Helen Ardelle Candy Company, Seattle, Wash. Candy. 234,689; Aug. 30. Class 46.
Helfgott, Irving I., doing business as Lion Laboratories, Newark, N. J. Reconstructive or general-debility tonic. 250,708; Aug. 30. Class 6.
Hicks, John, Somerville, N. J. Gas water heaters. 249,066; Aug. 30. Class 34.
Hi-Jen Crayon Co., Valley Park, Mo. Crayons. 244,695; Aug. 30. Class 37.
Hixson, Etta, doing business as Cactus Remedy Co., Kansas City, Mo. Antiseptic deodorizing powder. 251,967; Aug. 30. Class 6.
Hoffman Brothers Company, The, Baltimore, Md. Magazine. 252,327; Aug. 30. Class 38.
Hoffman, Frank G., Los Angeles, Calif. Trade coupon certificates. 252,208; Aug. 30. Class 38.
Hoge, Damecella, Chicago, Ill. Ladies' and girls' hats. 249,794; Aug. 30. Class 39.
Huntsville Chero-Cola Bottling Co., Huntsville, Ala. Maltless beverages. 251,669; Aug. 30. Class 45.
Hynson, Westcott & Dunning, Baltimore, Md. Antacids. 251,670; Aug. 30. Class 6.
Ideal Orchards. (See Peterson, Fanny.)
Illinois Watch Case Company, Elgin, Ill. Watches, watch movements, and watchcases. 250,176; Aug. 30. Class 27.
Indiana Stove Works, Evansville, Ind. Coal and wood stoves. 251,040; Aug. 30. Class 34.
International Corset Company, Aurora, Ill. Combination corsets and brassières. 251,140; Aug. 30. Class 39.
"J. B." Products Co. (See Bell, James E.)
Jacobs Bros. Co., Inc., The, Brooklyn, N. Y. Scales. 235,218; Aug. 30. Class 26.
Jaffe, Sam, & Sons, New York, N. Y. Shirts. 246,687; Aug. 30. Class 39.
Johnson Flying Toys Company, The, Cleveland, Ohio. Kites. 251,504; Aug. 30. Class 22.
Jordan Marsh Company, Boston, Mass. Sewing machines. 251,396; Aug. 30. Class 23.
Ke-Ko Paint Remover Manufacturing Co., Chicago, Ill. Paint and varnish remover for woodwork, hardwood floors, and metal surfaces. 252,605–6; Aug. 30. Class 16.
Kentucky Parfay Company, Louisville, Ky. Root beer, ginger ale, etc. 251,671; Aug. 30. Class 45.
Kitchenaid Manufacturing Company, The, Troy, Ohio. Oil droppers, food choppers, coffee mills, etc. 248,845; Aug. 30. Class 23.
Kitchenaid Manufacturing Company, The, Troy, Ohio. Ice-cream freezers. 252,331; Aug. 30. Class 31.
Klink Citrus Association, Ivanhoe, Calif. Fresh citrous fruits. 252,209; Aug. 30. Class 46.
Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Leads, colored pencils and colored chalk pencils, chalk holders, etc. 234,848; Aug. 30. Class 37.
Lake County Fruit Exchange. (See Mt. Konocti Fruit Exchange.)
Landers, Frary & Clark, New Britain, Conn. Meat, beef, and breakfast carvers. 250,806; Aug. 30. Class 23.
Lanman & Kemp, Inc., New York, N. Y. Face cream. 250,998; Aug. 30. Class 6.
Life Savers, Inc., Port Chester, N. Y. Candy. 230,676; Aug. 30. Class 46.
Lilly, Eli, and Company, Indianapolis, Ind. Preparation made from the lenses of the eyes of edible animals. 249,280; Aug. 30. Class 6.
Lion Home Remedy Co. of New York City, The, (See Miller, Leo.)
Lion Laboratories. (See Helfgott, Irving I.)
Lion Specialty Co., Chicago, Ill. Candy and candy bars. 250,627; Aug. 30. Class 46.
Literary Guild of America, Inc., The, New York, N. Y. Books. 251,919; Aug. 30. Class 38.
M & M Company, The, doing business as Automotive Laboratories, Cleveland, Ohio. Oils and greases. 233,692; Aug. 30. Class 15.
Mackie & Barnes, Inc., Seattle, Wash. Lumber and house wooden shingles. 198,462; Aug. 30. Class 12.
Macy, R. H., & Co., Inc., New York, N. Y. Tennis rackets. 251,405; Aug. 30. Class 22.
Manar, Louis J., St. Louis, Mo. Corn-protector pads. 246,215; Aug. 30. Class 44.
Markt & Hammacher Company, New York, N. Y. Farming and garden tools. 248,310; Aug. 30. Class 23.
Markt & Hammacher Company, New York, N. Y. Farming and garden tools. 248,852; Aug. 30. Class 23.
McAdoo & Allen Welting Co., Quakertown, Pa. Leather welting. 247,959; Aug. 30. Class 39.
Mead, Raynor, doing business as Bis-Mint Co., New York, N. Y. Treatment for indigestion. 251,354; Aug. 30. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Detoxifying agent. 248,917; Aug. 30. Class 6.
Miami Garment Company, Miami, Fla. Ladies' cotton print wash dresses, children's cotton print rompers, etc. 251,042; Aug. 30. Class 39.
Miller, Leo, doing business as The Lion Home Remedy Co. of New York City, New York, N. Y. Lotion for soothing, healing, and relieving tired and aching feet. 243,318; Aug. 30. Class 6.
Mittelman, I., & Co., Inc., New York, N. Y. Dresses. 251,356; Aug. 30. Class 39.
Monmouth Mills, Inc., New York, N. Y. Cotton textile fabrics. 252,287; Aug. 30. Class 42.
Mont Eton, Otto R., doing business as Mont-Eton Radio Laboratories, San Francisco, Calif. Radio receiving sets and parts thereof. 248,292; Aug. 30. Class 21.
Morrell, John, & Co., Ottumwa, Iowa. Hams, bacons, shoulders, and lard. 252,155; Aug. 30. Class 46.
Mt. Konocti Fruit Exchange, doing business as Lake County Fruit Exchange, Kelseyville, Calif. Pears. 251,976; Aug. 30. Class 46.
Muskegon Cooperative Celery Growers' Association, Muskegon, Mich. Fresh celery. 252,108; Aug. 30. Class 46.
Namm, A. I., & Son, Brooklyn, N. Y. Men's and boys' shoes, slippers, gloves, leggings, etc. 248,011; Aug. 30. Class 39.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

National Aniline & Chemical Company, Incorporated, New York, N. Y. Dyestuffs. 249,986; Aug. 30. Class 6.
National Lock Co., Rockford, Ill. Sash pulleys. 250,032; Aug. 30. Class 13.
(National Products Company,) Societa Prodotti Nazionali, Inc., Los Angeles, Calif. Malt sirup, malt-sirup hop flavor. 252,214; Aug. 30. Class 48.
National Vulcanized Fibre Co., Wilmington, Del. Bib and faucet washers. 247,139; Aug. 30. Class 35.
"New-Way" Motor Company, Lansing, Mich. Stationary and marine internal-combustion engines. 249,917; Aug. 30. Class 23.
New York Canners, Inc., Rochester, N. Y. Canned fruits, canned vegetables. 251,069; Aug. 30. Class 46.
New York Canners, Inc., Rochester, N. Y. Canned fruits, canned vegetables. 251,080; Aug. 30. Class 46.
New York Merchandise Company, New York, N. Y. Vacuum bottles. 252,164; Aug. 30. Class 2.
Niacet Chemicals Corporation, Niagara Falls and New York, N. Y. Acetaldehyde, paraldehyde, aldol, etc. 250,561; Aug. 30. Class 6.
Nov-E-Line Manufacturing Co., Inc., New York, N. Y. Jewelry for personal wear. 249,918; Aug. 30. Class 28.
Novelty Knitting Company, Cohoes, N. Y. Crib sheets, pillowcases, and knit jersey fabrics in the piece. 250,417; Aug. 30. Class 42.
Old Colony Brewing Co. (See Forest Hills Company.)
Opportunity Products Company. (See Connors, John P.)
Pacific Marine Supply Company, Seattle, Wash. Forest-fire pumps. 251,198; Aug. 30. Class 23.
Packard, M. A., Company, Brockton, Mass. Boots and shoes. 250,085; Aug. 30. Class 39.
Park & Tilford, New York, N. Y. Dyes for use in cold water. 247,038; Aug. 30. Class 6.
Parke, Davis & Co., Detroit, Mich. Tetrachlorethylene. 251,200; Aug. 30. Class 6.
Peek, James J., Dallas, Tex. Malticss beverage, and sirup, extract, etc., for making the same. 251,452; Aug. 30. Class 45.
Pelusio, Filomeno, doing business as Eastern Food Products Co., Newark, N. J. Sauce containing meat for use with spaghetti and vegetables. 235,705; Aug. 30. Class 46.
Penick & Ford Limited Incorporated, New Orleans, La. Corn-sirup and sorghum blend. 252,060; Aug. 30. Class 46.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's and boys' hats and caps. 251,358; Aug. 30. Class 39.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Mechanical razor-stropping machines. 251,453; Aug. 30. Class 23.
Pershall, C. W., & Sons, doing business as Tri-City Grocery Co. and Tri-City Packing Co., Granite City, Wood-river, Venice, and Edwardsville, Ill. Whole and ground spice, cornstarch, wheat flour, jellies, etc. 248,718; Aug. 30. Class 46.
Peterson, Fanny, doing business as Ideal Orchards, Oroville, Wash. Transparent apple filler for making cakes, candies, and desserts. 250,706; Aug. 30. Class 46.
Phillis, James K., Springfield, Mass. Cigars. 251,010; Aug. 30. Class 17.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 251,301; Aug. 30. Class 39.
Pitegoff Brothers, New York, N. Y. Artists' and painters' brushes. 251,454; Aug. 30. Class 29.
Plomb Tool Company, Los Angeles, Calif. Chisels, concrete gads, etc. 251,203; Aug. 30. Class 23.
Plough Chemical Company doing business as The St. Joseph Company, Memphis, Tenn. Aspirin. 251,202; Aug. 30. Class 6.
Preis, J. J., & Company, New York, N. Y. Young men's and students' suits and overcoats. 251,205; Aug. 30. Class 39.
Price Flavoring Extract Company, Chicago, Ill. Condimental sauces and salad dressings. 250,709; Aug. 30. Class 46.
Protex Products Corporation, Baltimore, Md. Paste compound. 249,192; Aug. 30. Class 46.
Publishers Syndicate Corporation, The, New York, N. Y. Monthly publication. 252,110; Aug. 30. Class 38.
Pueblo Ice Cream Company, The, Pueblo, Colo. Butter and ice cream. 251,014; Aug. 30. Class 46.
Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candy. 251,282; Aug. 30. Class 46.
Ray-Brown Company, Inc., Woodburn, Oreg. Canned fruits, berries, and vegetables. 251,859; Aug. 30. Class 46.
Red "C" Oil Company, The, Baltimore, Md. Illuminating oil and gasoline. 234,922; Aug. 30. Class 15.
Red Stick Products Company. (See Stephenson, Thomas B.)
Red Wing Shoe Company, Red Wing, Minn., and Dallas, Tex. Leather shoes. 250,939; Aug. 30. Class 39.
Renfro Hosiery Mills, Inc., Mount Airy, N. C. Children's hosiery. 249,752; Aug. 30. Class 39.
Republic Metalware Co., The, Buffalo, N. Y. Garbage and refuse cans. 246,631; Aug. 30. Class 2.
Rice-Stix Dry Goods Company, St. Louis, Mo. Bath robes and lounging robes. 251,283; Aug. 30. Class 39.
Richards-Wilcox Manufacturing Company, Aurora, Ill. Door tracks, door-track brackets, door-stay rollers, etc. 247,961; Aug. 30. Class 13.
Riesenfeld, Hugo, New York, N. Y. Motion pictures. 248,727; Aug. 30. Class 26.
Robertson, Ishbel S., doing business as Ishbel Products, Los Angeles, Calif. Hair dressing and rejuvenator. 251,084; Aug. 30. Class 6.
Rosenbluth, Edwin M., doing business as Chemical Products Division of Rose Manufacturing Company, Philadelphia, Pa. Fungicides and insecticides. 250,641-3; Aug. 30. Class 6.
Rothschild, David, & Co., Columbus, Ga. Knitted, netted, or textile fabrics, towels, sheets, etc. 252,397; Aug. 30. Class 42.
Rubens & Marble Inc., Chicago, Ill. Infant's bands. 250,097; Aug. 30. Class 39.
Rural Publishing Company, The, Mount Clemens and Detroit, Mich. Periodical. 250,646; Aug. 30. Class 38.
Sadtler, Berta M., doing business as Betty Warner Products Co., Chicago, Ill. Hair rinse. 251,632; Aug. 30. Class 6.
St. Joseph Company, The. (See Plough Chemical Company.)
Saltshelf Nut Company, Inc., New York, N. Y. Assorted nuts. 249,025; Aug. 30. Class 46.
San Joaquin Fruit Co., Stockton, Calif. Fresh grapes. 252,221; Aug. 30. Class 46.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 239,266; Aug. 30. Class 39.
Schröder, Carl, doing business as Wm. Schröder, Borgstede and Co., Bremen, Germany. Malt beverages. 236,778; Aug. 30. Class 48.
Schulse, H. E., Inc., New York, N. Y. Electric shoe-shining installations. 250,821; Aug. 30. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Children's wearing apparel. 242,354; Aug. 30. Class 39.
Sexton Can Company Incorporated, Everett and Boston, Mass. Ash cans, garbage receivers, and storage tanks. 241,187; Aug. 30. Class 2.
Sheet Steel Products Company, Detroit, Mich., and Michigan City, Ind. Filters for engines. 238,403; Aug. 30. Class 23.
Sigma Delta Kappa, Detroit, Mich. Fraternity badges, lapel buttons, cuff links, etc. 244,631; Aug. 30. Class 28.
Sigmund Ullman Company, New York, N. Y. Printing ink. 248,199; Aug. 30; Class 11.
Société Anonyme des Usines Renault, Billancourt, France. Internal combustion or explosion motors, lathes, hammers, etc. 222,962; Aug. 30. Class 23.
Southwest Battery Co. (See Granville, Bevil G.)
Speed, Henry A., doing business as Weepah Luckipick Company, San Antonio, Tex. Ornamental stick pins, finger rings, bracelets, etc. 248,377; Aug. 30. Class 28.
Spirella Company Incorporated, The, Niagara Falls, N. Y. Rayon, crêpe de chine, batiste, jean, etc. 252,353; Aug. 30. Class 42.
Star Corrugated Box Co., Inc., Maspeth, N. Y. Paper and corrugated-fiber boxes. 251,692; Aug. 30. Class 2.
Star Knitting Mills, Inc., New York, N. Y. Sweaters, mufflers, and neckties. 250,576; Aug. 30. Class 39.
Stephenson, Thomas B., doing business as Red Stick Products Company, Houston, Tex. Rubber tube patches. 251,414; Aug. 30. Class 35.
Stevens, Chas. A., & Bros., Chicago, Ill. Perfumes. 251,932-5; Aug. 30. Class 6.
Swift and Company, Chicago, Ill. Sausage. 248,868; Aug. 30. Class 46.
Tandy, A. N., & Sons, Brownsville, Tex. Fresh potatoes. 235,183; Aug. 30. Class 46.
Tangermünder Konserven- und Schokoladenfabriken Fr. Meyer & Co., assignor to Zuckerraffinerie Tangermunde Fr. Meyers Sohn Aktiengesellschaft, Tangermunde, Germany. Preserved fruit, jams, candied fruit, etc. 242,154; Aug. 30. Class 46.
Ten Time Preserving Company Limited, Newcastle-on-Tyne, England, assignor to Angus Watson & Co. America; Limited, San Francisco, Calif. Canned Norwegian silver sild. 218,934; Aug. 30. Class 46.
Telefunken, Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio transmitting-station equipment and parts thereof, antennæ, radio receiving sets, etc. 240,572; Aug. 30. Class 21.
Telefunken, Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving apparatus for wireless telegraphy and telephony, transmission apparatus for wireless telegraphy and telephony, etc. 242,447; Aug. 30. Class 21.
Texas Farm Bureau Cotton Association, Dallas, Tex. Periodical. 250,649; Aug. 30. Class 38.
Thorpe, Jay, Inc., New York, N. Y. Hosiery. 251,341; Aug. 30. Class 39.
Tiedtke Brothers Department Stores Company, The, Toledo, Ohio. Tea. 247,227; Aug. 30. Class 46.
Times-Picayune Publishing Co., The, New Orleans, La. Newspapers. 252,173; Aug. 30. Class 38.
Tri-City Grocery Co. (See Pershall, C. W., & Sons.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Trumbull Electric Manufacturing Company, The, Plainville, Conn. Soap holders, tumbler holders, grab rails, etc. 250,579; Aug. 30. Class 13.
Tuck-A-Way Mfg. Co. (Not Inc.) (See Ahles, Martha W.)
Tuscaloosa Syrup Co., Inc., Tuscaloosa, Ala. Table sirup. 250,654; Aug. 30. Class 46.
Tyler, W. S., Company, The, Cleveland, Ohio. Articles consisting of wood veneer on steel, bronze, and other metals. 246,243-4; Aug. 30. Class 12.
United Confectionery Co., St. Louis, Mo. Candy. 252,230; Aug. 30. Class 46.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Boots and shoes of rubber or rubber and fabric. 249,556; Aug. 30. Class 39.
Upjohn Company, The, Kalamazoo, Mich. Ointment for the treatment of skin diseases. 251,801; Aug. 30. Class 6.
Urband Leather Goods Co. Inc., New York, N. Y. Brief bags. 251,939; Aug. 30. Class 3.
Utility Manufacturing Co., Inc., Baltimore, Md. Ice picks, paring knives, spatulas, egg beaters, etc. 251,368; Aug. 30. Class 23.
Utility Manufacturing Company, Inc., Baltimore, Md. Bathroom fixtures—namely, soap dishes, sponges, baskets, etc. 252,447; Aug. 30. Class 13.
Valentine Chemical Co., The, Boston, Mass. Spray for exterminating insects on livestock and for disinfecting and deodorizing stalls and pens of animals. 251,464; Aug. 30. Class 6.
Valentine Chemical Co., The, Boston, Mass. Deodorant and purifier. 251,466; Aug. 30. Class 6.
Valentine Chemical Co., The, Boston, Mass. Insecticide. 251,467; Aug. 30. Class 6.
Valley Agricultural Company, Fresno, Calif. Fresh grapes, fresh peaches. 252,231; Aug. 30. Class 46.
Van Pelt & Brown, Richmond, Va. Medicine in liquid form for use as a laxative. 252,021; Aug. 30. Class 6.
Vickery and Hill Publishing Co., The, Augusta, Me. Periodical. 252,175; Aug. 30. Class 38.
Wa-Hoo Remedy Co. (See Baker, William H.)
Walters, Edgar B., Organization, Inc., New York, N. Y. Articles of wearing apparel. 242,930; Aug. 30. Class 39.
Warren, William, Portland, Oreg. Spaghetti, butter, canned spinach, Brazil nuts, etc. 240,326; Aug. 30. Class 46.
Webb, J. A., Belting Company, Inc., Buffalo, N. Y. Leather-belt cement both gummed and waterproof. 251,524; Aug. 30. Class 5.
Webster, William A., Company, The, Memphis, Tenn. Face and hand lotions, eye lotions, dental creams, etc. 247,231; Aug. 30. Class 6.
Weepah Luckipick Company. (See Speed, Henry A.)
Weisman Brothers, New York, N. Y. Women's clothing and underwear. 248,541; Aug. 30. Class 39.
Welsh Packing Co., Springfield, Mo. Brick chili (chile con carne), lard, bone meal, etc. 198,392; Aug. 30. Class 46.
Westinghouse Union Battery Company, Swissvale, Pa. Secondary batteries. 250,522; Aug. 30. Class 21.
White-Stokes Company, Inc., Chicago, Ill. Glacé fruits. 252,130; Aug. 30. Class 46.
Whiting, John, J. J. Adams Company, Boston, Mass. Brushes for painting, varnishing, etc. 226,395; Aug. 30. Class 29.
Witcombe, McGeachin & Co., New York, N. Y. Hand-tufted rugs. 248,075; Aug. 30. Class 42.
Wyandotte Olive Growers Association, Oroville, Calif. Canned olives. 239,781; Aug. 30. Class 46.
Zal Laboratories, Inc., New York, N. Y. Depilatory preparations. 251,157; Aug. 30. Class 6.
Zifferblatt, George, doing business as Geo. Zifferblatt & Co., Philadelphia, Pa. Cigars, cigarettes, cheroots, and smoking tobacco. 251,371; Aug. 30. Class 17.
Zuckerraffinerie Tangermunde Fr. Meyers Sohn, Aktiengesellschaft. (See Tangermünder Konserven- und Schekoladenfabriken Fr. Meyer & Co., assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Charcoal. Clifford Bros. 66,831; renewed Dec. 31, 1927.
Seeds and seed grains. Grass and clover. Albert Dickinson Company. 31,078; renewed Jan. 4, 1928.

CLASS 2.

Bags of paper, Garment. Lewy Chemical Company. 231,977-8; Aug. 30; Serial Nos. 244,872-3; published June 21, 1927.
Bags, Paper. Union Bag and Paper Company. 30,603; renewed Oct. 5, 1927.
Tanks and drums. Union Tank & Pipe Co. 232,113; Aug. 30; Serial No. 226,698; published June 21, 1927.
Tanks, Storage. Chicago Boiler Company. 232,033; Aug. 30; Serial No. 246 075; published June 21, 1927.

CLASS 3.

Harness, horse collars, saddles, and whips. Harpham Bros. Co. 66,231; renewed Nov. 19, 1927.

CLASS 4.

Chemical composition. J. Rumpel. 232,139; Aug. 30.
Cleaner, Dry. Gulf Refining Company. 231,999; Aug. 30; Serial No. 243,436; published June 14, 1927.
Cleaning and cleansing materials. J. B. Ford Company. 232,118; Aug. 30.
Grinding, surfacing, and abrasive stones. American Floor Surfacing Machine Co. 232,121; Aug. 30.
Soap. E. P. Lewis. 231,935; Aug. 30; Serial No. 235,651; published Sept. 21, 1926.
Soap. Palmolive-Peet Company. 231,817; Aug. 30; Serial No. 247,633; published June 14, 1927.
Soap. Palmolive-Peet Company. 231,895; Aug. 30; Serial No. 248,190; published June 14, 1927.
Soap, Bar. Wichle Soap Company. 54,421; renewed June 26, 1926.
Soap, Medicated. T. A. Jones. 231,910; Aug. 30; Serial No. 248,236; published June 14, 1927.
Soap, Powdered. W. Moore. 231,917; Aug. 30; Serial No. 247,745; published June 14, 1927.
Soaps, powders, detergents, glycerin, matches, tapers, starch, blue, candles, soda, and disinfectants. Lever Brothers, Limited. 30,786; renewed Nov. 2, 1927.
Steel wool and soap for cleansing, scouring, and polishing. Product composed of. Dirt-Kut Company. 231,818; Aug. 30; Serial No. 247,601; published June 14, 1927.
Washing powder. Milroy Products, Inc. 232,060; Aug. 30; Serial No. 247,190; published June 14, 1927.
Washing powder. Swift and Company. 232,002; Aug. 30; Serial No. 248,880; published June 14, 1927.

CLASS 6.

Acid, Stearic. Procter & Gamble Company. 231,898; Aug. 30; Serial No. 248,127; published June 21, 1927.
Antiseptic astringent. Muster & Bauman. 232,011; Aug. 30; Serial No. 247,033; published June 14, 1927.
Bath salts. White Tar Company of New Jersey, Inc. 231,975; Aug. 30; Serial No. 248,981; published June 21, 1927.
Blood coagulants produced from lymphoid glands. Vitalait Laboratory of California, Inc. 231,896; Aug. 30; Serial No. 248,139; published June 21, 1927.
Blue, Washing. J. & J. Colman, Limited. 31,010; renewed Dec. 21, 1927.
Chemical for cleansing drains, etc. Drackett Chemical Company. 231,921; Aug. 30; Serial No. 247,937; published June 21, 1927.
Chemical mixture. Pequanoc Chemical Co. 231,874; Aug. 30; Serial No. 240,439; published June 14, 1927.
Composition of matter. Campbell and Minkel. 231,873; Aug. 30; Serial No. 240,400; published June 14, 1927.
Cream, Skin. New Haven Laboratories, Inc. 232,115; Aug. 30.
Dentifrices, Sterilized. National Dental Company. 231,995; Aug. 30; Serial No. 243,165; published June 21, 1927.
Extracts of perfumes, etc. Lord & Taylor. 232,031; Aug. 30; Serial No. 245,916; published June 21, 1927.
Extracts of perfumes, sachet, talcum powder, dusting powder, etc. Lord & Taylor. 231,981; Aug. 30; Serial No. 244,941; published June 14, 1927.
Fluxes, Welding. Oxweld Acetylene Company. 232,130; Aug. 30.
Insecticide. W. I. Sellers. 232,133; Aug. 30.
Insecticide. United States Laboratories. 231,971; Aug. 30; Serial No. 244,639; published June 21, 1927.
Laxative for animals, Lubricant. E. P. Paull. 232,084; Aug. 30; Serial No. 248,246; published June 14, 1927.
Lotion, Hand. Muster & Bauman. 232,010; Aug. 30; Serial No. 247,032; published June 14, 1927.
Lotion, Skin. E. H. Myers. 231,922; Aug. 30; Serial No. 247,200; published June 21, 1927.
Medicated water. Malka Water Co. Inc. 232,001; Aug. 30; Serial No. 248,371; published June 21, 1927.
Medicated wines, herb extracts, etc. Egon Braun Aktiengesellschaft. 231,863-4; Aug. 30; Serial Nos. 245,535-6; published June 14, 1927.
Medicinal compound. Davis-Johnson Co. 232,143; Aug. 30.
Medicinal preparation. R. D. Bayless. 232,140; Aug. 30.
Medicinal preparation. Chemische-Pharmaceutische A. G. Bad Homburg. 231,948; Aug. 30; Serial No. 241,868; published June 14, 1927.

Medicinal preparation. C. A. Meyer. 232,096; Aug. 30; Serial No. 248,965; published June 21, 1927.
Medicinal tablets. Laboratories Jaq Incorporated. 232,073; Aug. 30; Serial No. 245,912; published June 14, 1927.
Medicinal water, Radioactive. W. J. A. Bailey. 232,039; Aug. 30; Serial No. 230,781; published Apr. 26, 1927.
Medicine. W. P. Rash. 232,095; Aug. 30; Serial No. 226,785; published Apr. 26, 1927.
Medicine, Rheumatic. E. Watts. 232,130; Aug. 30.
Oil, Castor. A. Rivera. 232,138; Aug. 30.
Oil for poultry and stock, Cod-liver. J. White, jr. 232,094; Aug. 30; Serial No. 245,943; published June 14, 1927.
Oil, Red. Procter & Gamble Company. 231,897; Aug. 30; Serial No. 248,128; published June 21, 1927.
Ointment, Pile. C. G. Stone. 231,901; Aug. 30; Serial No. 248,019; published June 21, 1927.
Plaster, Antiseasickness. T. Evans. 231,956; Aug. 30; Serial No. 243,533; published June 14, 1927.
Pomade. M & W Chemical Company. 232,000; Aug. 30; Serial No. 248,237; published June 21, 1927.
Powder, ointment, hairdressing, rouge, lip sticks, etc., Face. H. Lemler. 231,976; Aug. 30; Serial No. 249,072; published June 21, 1927.
Powder, rouge, rouge and loose powder combination, rose cream, etc., Face. Goodrich-Gamble Company. 231,899; Aug. 30; Serial No. 248,099; published June 21, 1927.
Powders, pastes, salves, and pills. Apotheker Ludwig Sell & Co. 30,593; renewed Sept. 28, 1927.
Remedies. Bradfield Regulator Co. 66,896–7; renewed Jan. 7, 1928.
Remedies. E. A. Zerbst. 63,793; renewed July 9, 1927.
Salt. Independent Salt Company. 232,116; Aug. 30.
Toilet creams, nasal creams, toilet lotions, toilet powders, etc. Peroxide Chemical Co. 232,061; Aug. 30; Serial No. 247,207; published June 14, 1927.
Toilet preparation and solvent for drainpipe obstructions and laundry bleach. Western Soap & Chemical Co. 232,019; Aug. 30; Serial No. 245,175; published June 21, 1927.
Toilet water, cold cream, vanishing cream, face powder, etc. Peoples Drug Stores Inc. 231,918; Aug. 30; Serial No. 247,705; published June 21, 1927.
Tonic. La Benefica Drug Co. 232,142; Aug. 30.
Tonic and dandruff remedy, Hair. V. T. Dececco. 232,003; Aug. 30; Serial No. 248,307; published June 21, 1927.

CLASS 7.

Cord, Braided sash. Geo. B. Carpenter & Co. 30,994; renewed Dec. 21, 1927.

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches. Gros, Grenier, Ostorero & Cie. 231,870; Aug. 30; Serial No. 240,255; published June 21, 1927.

CLASS 9.

Flares. I. C. Newman Co. Inc. 231,985; Aug. 30; Serial No. 248,856; published June 21, 1927.
Iron and steel manufacturers. The Firm of Fried. Krupp. 30,721; renewed Oct. 19, 1927.
Matches. O'Berry & Hall Company. 231,986; Aug. 30; Serial No. 248,857; published June 21, 1927.

CLASS 10.

Fertilizers. International Agricultural Corporation. 231,965; Aug. 30; Serial No. 244,306; published June 21, 1927.

CLASS 11.

Carbon paper and typewriting ribbons. Non-Smut Carbon Mfg. Co. 231,914; Aug. 30; Serial No. 247,629; published June 21, 1927.
Typewriter ribbons and carbon paper. Carter's Ink Company. 232,009; Aug. 30; Serial No. 248,812; published June 21, 1927.

CLASS 13.

Nails and tacks, Shoe. Casa Anchorena, Inc. 231,927; Aug. 30; Serial No. 247,312; published June 7, 1927.
Rivets. Cobb & Drew, Inc. 232,123; Aug. 30.
Sponge baskets, soap trays, soap dishes, etc. Utility Manufacturing Company Inc. 231,829; Aug. 30; Serial No. 246,723; published June 21, 1927.

CLASS 14.

Aluminum sheets, bars, blocks, etc., Pure and alloyed. Sheet Aluminum Corporation. 231,845; Aug. 30; Serial No. 245,164; published June 14, 1927.
Wire and spring wire, Spring-steel. Textile Specialties Co. 231,887; Aug. 30; Serial No. 241,550; published June 14, 1927.

CLASS 15.

Ceresin and ozocerite. Ant. Himmelbauer & Co. 64,422; renewed Aug. 6, 1927.
Gasoline. Independent Oil Company. 231,989; Aug. 30; Serial No. 242,592; published May 3, 1927.
Oils, Lubricating. Ford Motor Company. 232,051; Aug. 30; Serial No. 246,606; published June 7, 1927.

CLASS 16.

Enamels, Vitreous and porcelain. Porcelain Enamel and Manufacturing Company of Baltimore. 232,048; Aug. 30; Serial No. 246,705; published June 14, 1927.
Enamels, Vitreous and porcelain. Porcelain Enamel and Manufacturing Company of Baltimore. 232,072; Aug. 30; Serial No. 246,708; published June 14, 1927.
Lacquer, lacquer thinner, etc., Spraying. Ohio Varnish Company. 231,884; Aug. 30; Serial No. 247,202; published June 21, 1927.
Painters' materials. Glidden Varnish Company. 64,705; renewed Aug. 20, 1927.
Paints, paint enamels, and varnishes. Weymac Manufacturing Corp. 231,974; Aug. 30; Serial No. 244,807; published June 21, 1927.
Paints, paint enamels, varnishes, etc. Brown-Leitbold Company. 231,923; Aug. 30; Serial No. 247,165; published June 21, 1927.
Paints, varnish, etc. Elkhart Enamel & Paint Corporation. 231,833; Aug. 30; Serial No. 246,892; published June 21, 1927.
Paints, varnish, lacquer, and paint enamels. F. I. Siegel & Son. 231,931; Aug. 30; Serial No. 245,411; published June 21, 1927.
Paints, varnishes, white lead and zinc in oil, and roof paints. Sullivan Company. 231,875; Aug. 30; Serial No. 240,832; published Jan. 11, 1927.
Wax. G. Srager. 232,012; Aug. 30; Serial No. 247,045; published June 14, 1927.

CLASS 17.

Cigar clippings and Havana smoking tobacco, All-leaf. O. Sperbeck. 231,993; Aug. 30; Serial No. 243,119; published June 21, 1927.
Cigars. Consolidated Cigar Corporation. 232,114; Aug. 30; Serial No. 248,954; published June 21, 1927.
Cigars. John H. Swisher & Son, Incorporated. 232,064; Aug. 30; Serial No. 247,296; published May 31, 1927.
Cigars and cigarettes. B. O'Conor. 232,005; Aug. 30; Serial No. 248,714; published June 21, 1927.
Tobacco. Maclin-Zimmer-McGill Tobacco Co. Incorporated. 231,839; Aug. 30; Serial No. 245,444; published June 21, 1927.
Tobacco, Leaf. F. Miranda & Co. 30,282; renewed June 29, 1927.

CLASS 19.

Aeroplanes, Shock absorber rings for. Russell Manufacturing Co. 231,944; Aug. 30; Serial No. 246,779; published June 21, 1927.
Aircraft. Keystone Aircraft Corporation. 231,928–9; Aug. 30; Serial Nos. 247,374–5; published June 21, 1927.
Automobiles and structural parts thereof. Studebaker Corporation. 231,902; Aug. 30; Serial No. 247,977; published June 21, 1927.
Shock absorbers, etc. Illinois Iron & Bolt Company. 231,907; Aug. 30; Serial No. 247,085; published June 21, 1927.

CLASS 21.

Batteries, Dry. Dry Storage Battery Corporation. 232,068; Aug. 30; Serial No. 247,464; published June 14, 1927.
Batteries, Electric. A. H. Luhrman. 232,050; Aug. 30; Serial No. 246,616; published May 31, 1927.
Electric heaters and vaporizers. As-Ke Fuemer Company. 231,857; Aug. 30; Serial No. 246,379; published May 31, 1927.
Electric-lighting fixtures and portable table and floor lamps, etc. Peerless Light Co. 231,859; Aug. 30; Serial No. 245,747; published June 7, 1927.
Electric lights and the like, Sockets for. Weber Electric Company. 232,049; Aug. 30; Serial No. 246,649; published June 7, 1927.
Electric signs. Artkraft Sign Company. 231,872; Aug. 30; Serial No. 240,335; published June 7, 1927.
Electric switches. Minneapolis Heat Regulator Co. 231,889; Aug. 30; Serial No. 241,779; published May 31, 1927.
Electrical apparatus, and particularly storage batteries and parts thereof. Compagnie Générale d'Electricité 231,894; Aug. 30; Serial No. 239,093; published June 7, 1927.
Electrical household utilities, Heating elements designed for use in repairing of. T. A. Diem. 232,066; Aug. 30; Serial No. 247,315; published June 14, 1927.
Electrical insulators. Mica Insulator Company. 30,864; renewed Nov. 16, 1927.
Electron tubes. Zetka Laboratories, Inc. 231,996; Aug. 30; Serial No. 243,183; published May 31, 1927.
Incubators and broodera. Thermo-Electric Company. 231,938; Aug. 30; Serial No. 237,136; published May 31, 1927.
Insulating varnish. Standard Insulation Company. 231,998; Aug. 30; Serial No. 243,395; published May 31, 1927.
Insulators, Insulator fittings and pins, Electrical. R. Thomas & Sons Co. 232,107; Aug. 30; Serial No. 219,459; published June 7, 1927.
Plugs, appliance cards, lamp receptacles, etc. Attachment. Eagle Electric Mfg. Co. 231,876; Aug. 30; Serial No. 241,267; published May 31, 1927.
Radio apparatus, parts, and supplies. Mazda Radio Manufacturing Company. 232,102; Aug. 30; Serial No. 212,628; published May 31, 1927.
Radio cone speakers. Sandar Corporation. 231,953; Aug. 30; Serial No. 242,504; published June 7, 1927.

Radio detecting, rectifying, and amplifying tubes. Arcturus Radio Company. 231,823; Aug. 30; Serial No. 246,527; published May 31, 1927.
Radio equipment. Elec-Tru-Tone Corporation. 232,056; Aug. 30; Serial No. 246,271; published May 31, 1927.
Radio receiving sets and parts and accessories. Ajax Electric Specialty Company. 232,058; Aug. 30; Serial No. 234,427; published June 7, 1927.
Radio sets and parts thereof, etc. Columbia Phonograph Company. 232,015–6; Aug. 30; Serial Nos. 247,171–2; published June 14, 1927.
Radiotransformers, radio receiving sets, tuning sets, plugs, etc. Electrical Research Laboratories. 232,080; Aug. 30; Serial No. 248,166; published June 14, 1927.
Radiotransformers, radio receiving sets, tuning units, plugs, etc. Electrical Research Laboratories. 231,942; Aug. 30; Serial No. 246,743; published June 7, 1927.
Radiotransformers, receiving sets, loud speakers, etc. Electrical Research Laboratories, Inc. 231,830; Aug. 30; Serial No. 246,742; published May 31, 1927.
Radio variable condensers. Pearl Radio Condenser Co. Inc. 232,042; Aug. 30; Serial No. 231,277; published May 31, 1927.
Signals, Electrically-operated. Delco-Remy Corporation. 231,930; Aug. 30; Serial No. 244,997; published June 14, 1927.
Switch systems for heat regulation and safety control of heating plants. Minneapolis Heat Regulator Co. 231,890; Aug. 30; Serial No. 241,780; published May 31, 1927.
Switches. Minneapolis Heat Regulator Co. 231,891; Aug. 30; Serial No. 241,781; published June 14, 1927.
Switches and fuses, Electric. W. N. Matthews Corporation. 231,970; Aug. 30; Serial No. 244,563; published May 31, 1927.
Vacuum tubes. Supercraft Products Corporation. 231,992; Aug. 30; Serial No. 242,864; published June 14, 1927.
Vacuum tubes and valves. Radio Corporation of America. 231,943; Aug. 30; Serial No. 246,772; published June 7, 1927.

CLASS 22.

Fishhooks. O. Mustad & Son. 231,945; Aug. 30; Serial No. 246,970; published June 7, 1927.
Game, Fortune-telling. Pacific Dry Goods Co. 232,035; Aug. 30; Serial No. 246,221; published May 24, 1927.
Golf clubs. Robert Forgan & Son, Ltd. 231,936; Aug. 30; Serial No. 236,317; published May 24, 1927.
Salmon eggs. Ripley Fish Co. 231,973; Aug. 30; Serial No. 244,789; published May 24, 1927.
Toy animals. Twistum Toy Factory. 231,925; Aug. 30; Serial No. 247,400; published June 14, 1927.
Toys. "Ifak" Internationale Fabrikations-Gesellschaft für Kautschukwaren, m. b. H. 232,146; Aug. 30.

CLASS 23.

Braces, Trench. Templeton, Kenly & Company. 232,065; Aug. 30; Serial No 247,299; published June 14, 1927.
Chisels, hammers, rivet sets, punches, etc. Portage Tool Company. 231,893; Aug. 30; Serial No. 238,233; published June 21, 1927.
Compressors, Air. Dayton Air Compressor Company. 231,867; Aug. 30; Serial No. 239,166; published June 21, 1927.
Cutlery and edge tools. Needham Veall & Tyzack Ltd. 63,880; renewed July 9, 1927.
Cutlery and edge tools. H. Taylor. 30,834; renewed Nov. 9, 1927.
Device for extracting superheat from gases and vapors, etc. Henry Vogt Machinery Company. 231,846; Aug. 30; Serial No. 245,123; published June 14, 1927.
Dispensing devices. Mustomatik Specialties, Inc. 232,077; Aug. 30; Serial No. 248,048; published June 14, 1927.
Drilling and tapping machines and parts thereof. Hays Manufacturing Company. 231,949; Aug. 30; Serial No. 242,193; published June 14, 1927.
Elevators, escalators, endless carriers, inclined railways, etc. Otis Elevator Company. 232,006; Aug. 30; Serial No. 248,715; published June 21, 1927.
Engines and structural parts thereof, Internal-combustion. Studebaker Corporation. 231,806; Aug. 30; Serial No. 247,978; published June 21, 1927.
Engines, Internal-combustion, etc. Continental Motors Corporation. 232,103; Aug. 30; Serial No. 213,279; published June 21, 1927.
Hammer mills and other stone crushers. Amme-Luther Werke Braunschweig der "Miag" Mühlenbau und Industrie Aktiengesellschaft. 231,849; Aug. 30; Serial No. 248,461; published June 14, 1927.
Hatchets, and crate openers. D. Cohen. 232,082; Aug. 30; Serial No. 248,222; published June 21, 1927.
Jar lifters and jar wrenches. Tyler Manufacturing Company. 231,865; Aug. 30; Serial No. 245,524; published June 21, 1927.
Needles. Knitting-machine. Torrington Company. 231,838; Aug. 30; Serial No. 245,459; published June 14, 1927.
Plows, harrows, rakes, seeders, etc. Gash-Stull Company. 231,959; Aug. 30; Serial No. 243,930; published June 21, 1927.
Presser, Grape and fruit. R. D. Waterbury. 231,848; Aug. 30; Serial No. 248,381; published June 14, 1927.
Pumps. Dayton Pump & Manufacturing Company. 231,813; Aug. 30; Serial No. 247,783; published June 14, 1927.
Pumps. Dayton Pump & Manufacturing Company. 232,078; Aug. 30; Serial No. 248,091; published June 21, 1927.
Pumps and jacks, Tire. W. T. Grant Company. 232,083; Aug. 30; Serial No. 248,229; published June 14, 1927.
Razor blades. Jacob P. Segelman & Company. 231,853; Aug. 30; Serial No. 248,597; published June 21, 1927.
Razors and barber shears. J. H. Albright. 232,128; Aug. 30.
Scissors and shears. Heinr. Böker & Co. 231,892; Aug. 30; Serial No. 237,718; published June 21, 1927.
Screens or screening machines. Traylor Vibrator Company. 232,054; Aug. 30; Serial No. 246,515; published June 21, 1927.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 232,008; Aug. 30; Serial No. 248,805; published June 21, 1927.
Signals for automobiles, Mechanically-operated direction. J. L. McGrane. 232,070; Aug. 30; Serial No. 247,338; published June 21, 1927.
Swages and swage shapers. E. C. Atkins & Company. 231,819; Aug. 30; Serial No. 247,589; published June 14, 1927.
Tools and equipment, Machine. Cox Cylinder Works. 231,816; Aug. 30; Serial No. 247,675; published June 21, 1927.
Tools for trimming wall paper, Hand. Ridgley Trimmer Company. 231,912; Aug. 30; Serial No. 247,638; published June 14, 1927.
Water-softening apparatus. Dayton Pump & Manufacturing Company. 232,079; Aug. 30; Serial No. 248,093; published June 21, 1927.

CLASS 24.

Wringers, Clothes. Coffield Washer Co. 231,822; Aug. 30; Serial No. 246,466; published June 21, 1927.

CLASS 25.

Locks and keys. Smith & Egge Mfg. Co. 66,816; renewed Dec. 31, 1927.

CLASS 26.

Indicators for automobiles. F. H. White. 231,858; Aug. 30; Serial No. 245,770; published June 14, 1927.
Money changers and payers. Universal Stamping & Mfg. Co. 231,911; Aug. 30; Serial No. 247,453; published June 14, 1927.
Patterns, Shoe. L. J. Ewing. 231,815; Aug. 30; Serial No. 247,682; published June 21, 1927.
Photographic dry plates and films. M. A. Seed Dry Plate Company. 65,506; renewed Oct. 8, 1927.

CLASS 27.

Clocks, Automobile. Phinney-Walker Company. 232,018; Aug. 30; Serial No. 245,105; published May 31, 1927.

CLASS 29.

Brushes. Rubberset Company. 232,109–10; Aug. 30; Serial Nos. 221,455–6; published June 14, 1927.
Brushes. Star Brush Manufacturing Co. 232,104; Aug 30; Serial No. 214,187; published May 25, 1926.
Mops and unimpregnated dust cloths, Dust. C. J. Evans. 231,991; Aug. 30; Serial No. 242,828; published June 21, 1927.
Powder puffs. Western Bottle Manufacturing Company. 231,810; Aug. 30; Serial No. 247,836; published June 21, 1927.

CLASS 31.

Refrigerator display cases. A. C. Wicke Manufacturing Company. 232,122; Aug. 30.
Refrigerators, refrigerating apparatus, and parts thereof. Electric Refrigeration Corporation. 231,851; Aug. 30; Serial No. 248,558; published June 14, 1927.
Refrigerators, refrigerator parts, systems, and filters, Electric. Electrolux Servel Corporation. 232,075; Aug. 30; Serial No. 247,091; published June 14, 1927.

CLASS 32.

Beds. American Parlor Furniture Company. 232,041; Aug. 30; Serial No. 230,815; published June 21, 1927.
Easels, Educational. G. L. Brown. 232,067; Aug. 30; Serial No. 247,518; published June 21, 1927.
Furniture. Klamer Factories, Inc. 232,144; Aug. 30.
Furniture, Jacob & Josef Kohn & Mundus, Inc. 231,869; Aug. 30; Serial No. 239,936; published June 14, 1927.
Furniture. Porcelain Enamel and Manufacturing Company of Baltimore. 232,071; Aug. 30; Serial No. 246,707; published June 21, 1927.
Mattresses. H. M. Bedell. 231,850; Aug. 30; Serial No. 248,472; published June 14, 1927.
Mirrors, pillows, bassinets, mattresses, etc. Best & Co. 231,952; Aug. 30; Serial No. 242,467; published June 21, 1927.
Picture frames. Rexgold Manufacturing Company. 232,062; Aug. 30; Serial No. 247,212; published June 14, 1927.
Tables. Marshall C. Wood Manufacturing Company. 232,135; Aug. 30.
Tables. Marshall C. Wood Manufacturing Company. 232,141; Aug. 30.

CLASS 33.

Glass, Laminated. Triplex Safety Glass Company of North America. 232,034; Aug. 30; Serial No. 246,183; published June 21, 1927.
Glass, Sheet. Mississippi Glass Company. 30,129; renewed June 1, 1927.

CLASS 34.

Device intended to maintain the freshness of bakery products by means of a heated medium. Waters-Genter Company. 231,941; Aug. 30; Serial No. 216,725; published June 21, 1927.
Heaters, water heaters, ovens, etc., Fluid-fuel-burning space. Sandage Company. 231,972; Aug. 30; Serial No. 244,723; published June 21, 1927.
Radiators and parts thereof. Winchester Repeating Arms Company. 231,807; Aug. 30; Serial No. 247,920; published June 21, 1927.
Stoves and ranges. American Stove Company. 64,652; renewed Aug. 20, 1927.
Ventilating systems, Air-conditioning apparatus and cooling and. Arctic No-Air Corporation. 231,950; Aug. 30; Serial No. 242,271; published June 21, 1927.

CLASS 35.

Belting. Quaker City Rubber Company. 232,069; Aug. 30; Serial No. 247,446; published June 21, 1927.
Piston-packing rings, Metallic. Westinghouse Air Brake Company. 231,961–4; Aug. 30; Serial Nos. 244,261–1; published June 21, 1927.
Rubber packing. W. J. Gorham. 30,465; renewed Aug. 3, 1927.

CLASS 36.

Musical instruments. C. Meisel. 30,598; renewed Oct. 5, 1927.

CLASS 37.

Books, School blank. Dudley Paper Co. 232,089; Aug. 30; Serial No. 246,087; published June 14, 1927.
Paper, Bond. Carew Manufacturing Company. 232,101; Aug. 30; Serial No. 208,454; published Feb. 2, 1926.
Paper, Ornamental. Nashua Gummed & Coated Paper Company. 231,888; Aug. 30; Serial No. 241,632; published June 14, 1927.
Paper, Writing. G. H. Simpson. 30,901; renewed Nov. 23, 1927.
Papers and envelopes, typewriter paper, tablets, score pads, etc., Writing. Samuel Ward Manufacturing Company. 231,840; Aug. 30; Serial No. 245,376; published June 14, 1927.
Pencils and pens. Imprint Pencil Company. 232,131; Aug. 30.
Tracing and pencil cloth. Arkwright Finishing Company. 231,860; Aug. 30; Serial No. 245,686; published June 14, 1927.

CLASS 38.

Cards, Completely-printed tabulated. Statistical Tabulating Service. 231,861; Aug. 30; Serial No. 245,665; published June 14, 1927.
Comic strip. NEA Service, Inc. 232,086; Aug. 30; Serial No. 248,315; published June 14, 1927.
Magazine. Johnston Export Publishing Co. 232,091; Aug. 30; Serial No. 245,991; published May 31, 1927.
Magazine. Singing Magazine Co. 231,854; Aug. 30; Serial No. 248,598; published June 14, 1927.
Magazine. M. J. Sullivan. 231,966; Aug. 30; Serial No. 244,355; published June 14, 1927.
Maps, tourists' guides, etc., Road. E. Fergusson. 232,038; Aug. 30; Serial No. 230,620; published June 14, 1927.
Periodical. Cleveland Chamber of Commerce. 231,805; Aug. 30; Serial No. 247,988; published June 14, 1927.
Publication. Pioneer Publishing Co. 232,081; Aug. 30; Serial No. 248,194; published June 14, 1927.
Publication. Pioneer Publishing Co. 232,085; Aug. 30; Serial No. 248,250; published June 14, 1927.

CLASS 39.

Belts in the nature of garment supporters. I. Leibovitz. 232,020; Aug. 30; Serial No. 245,357; published May 31, 1927.
Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 232,021; Aug. 30; Serial No. 245,491; published May 31, 1927.
Clothing, Men's and boys'. Montgomery Ward & Co. 231,878; Aug. 30; Serial No. 229,454; published May 31, 1927.
Coats, capes, etc., Fur. I. Markowitz. 232,087; Aug. 30; Serial No. 246,170; published May 31, 1927.
Collar bands. C. F. Hovey Co. 231,913; Aug. 30; Serial No. 247,473; published May 31, 1927.
Collars and shirts. Hall, Hartwell & Co. Inc. 231,903–6; Aug. 30; Serial Nos. 247,081–4; published May 31, 1927.
Dresses. Charles Salomon & Co. Inc. 232,023; Aug. 30; Serial No. 245,619; published May 31, 1927.
Dresses, coats, bloomers, underwear, etc. American Cellulose & Chemical Manufacturing Company. 231,868; Aug. 30; Serial No. 239,347; published May 10, 1927.
Dresses, Ladies'. L. Felt. 231,908; Aug. 30; Serial No. 247,129; published May 31, 1927.
Footwear. Paristyle Footwear Mfg. Co. 232,124; Aug. 30.
Frocks, dresses, and gowns. Aronson Manufacturing Company. 232,106; Aug. 30; Serial No. 218,238; published Apr. 26, 1927.
Gloves. Ely & Walker Dry Goods Company. 231,932; Aug. 30; Serial No. 246,272; published May 31, 1927.
Gloves, Men's cotton. Ely & Walker Dry Goods Company. 232,026–8; Aug. 30; Serial Nos. 245,785–7; published May 31, 1927.
Hats, underwear, gloves, etc., Women's. H. D. Rosenberg. 231,886; Aug. 30; Serial No. 241,356; published May 31, 1927.
Hosiery. Bear Brand Hosiery Co. 231,881; Aug. 30; Serial No. 247,160; published May 31, 1927.
Hosiery. John M. Given Company. 231,837; Aug. 30; Serial No. 247,075; published May 31, 1927.
Hosiery. Interwoven Stocking Company. 232,093; Aug. 30; Serial No. 245,988; published May 31, 1927.
Hosiery. Paramount Knitting Co. 66,702; renewed Dec. 24, 1927.
Hosiery. Starr Knitting Mills, Inc. 231,883; Aug. 30; Serial No. 247,224; published May 31, 1927.
Hosiery. A. V. Victorius & Company. 231,831; Aug. 30; Serial No. 246,791; published May 31, 1927.
Hosiery, Silk. Artsil Hosiery Mills, Inc. 232,088; Aug. 30; Serial No. 246,145; published May 31, 1927.
Knit goods. P. Ragnet fils & R. Vignes. 67,117; renewed Jan. 14, 1928.
Overalls. Colorado Overall Manufacturing Company. 232,047; Aug. 30; Serial No. 233,861; published Aug. 31, 1926.
Shirts, Outer. Commercial Shirt Co. 67,092; renewed Jan. 14, 1928.
Shoes. Dr. A. Posner Shoes Inc. 231,879; Aug. 30; Serial No. 229,464; published May 31, 1927.
Soles for boots and shoes. Avon Sole Company. 231,916; Aug. 30; Serial No. 247,515; published May 31, 1927
Suits, Men's and young men's. L. J. & C. D. Jaffee, Inc. 232,092; Aug. 30; Serial No. 245,989; published May 31, 1927.
Suits, Men's and young men's. Middlshade Company. 231,882; Aug. 30; Serial No. 247,279; published May 31, 1927.
Suits, overcoats, and topcoats. De Luxe Clothing Manufacturing Company. 231,997; Aug. 30; Serial No. 243,200; published May 31, 1927.
Suits, Swimming. Sportcraft Knitting & Manufacturing Co. 232,057; Aug. 30; Serial No. 234,233; published Aug. 17, 1926.
Supporters, Bust. G. M. Polx. 65,835; renewed Oct. 22, 1927.
Sweaters, jackets, bathing suits, etc. Roper Knitting Company. 231,934; Aug. 30; Serial No. 235,357; published Sept. 21, 1926.
Underclothing. William Carter Co. 65,969; renewed Nov. 5, 1927.
Undergarments, dresses, suits, etc. C. C. Hollidge. 231,960; Aug. 30; Serial No. 244,157; published May 31, 1927.
Underwear. Step-In-All Underwear Corp. 232,074; Aug. 30; Serial No. 245,869; published May 31, 1927.
Vests, nightgowns, camisoles, bath robes, etc., Ladies' textile. C. J. Farley & Co. 231,937; Aug. 30; Serial No. 236,922; published Apr. 19, 1927.

CLASS 40.

Cotton, linen and hemp yarn and thread, jute, yarns, silk, etc., Sewing. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 30,868; renewed Nov. 16, 1927.

CLASS 42.

Burlaps. Whitridge, White and Company. 66,972; renewed Jan. 7, 1928.
Cotton and woolen piece goods. Detmer Woolen Company. 66,569; renewed Dec. 10, 1927.
Cotton piece goods. C. A. Boyle & Company. 231,841; Aug. 30; Serial No. 245,327; published June 21, 1927.
Coverings, Certain wall. H. B. Wiggin's Sons Company. 63,908; renewed July 16, 1927.
Handkerchiefs. Helfenstein-Schlesinger Co. Inc. 232,029; Aug. 30; Serial No. 245,907; published June 21, 1927.
Handkerchiefs. S. W. Magnus & Company. 232,043; Aug. 30; Serial No. 231,743; published June 14, 1927.
Knitted fabrics. Lebanon Mill Company. 231,866; Aug. 30; Serial No. 245,501; published June 7, 1927.
Pile fabrics. Sidney Blumenthal & Co. Inc. 231,825; Aug. 30; Serial No. 246,589; published June 21, 1927.
Rayon piece goods. Duplan Silk Corporation. 231,984; Aug. 30; Serial No. 248,822; published June 21, 1927.
Silk chiffon cloth. Menke, Kaufmann & Co. 231,900; Aug. 30; Serial No. 248,043; published June 21, 1927.
Silk piece goods. F. Ducharne Silk Co. Inc. 231,962; Aug. 30; Serial No. 248,219; published June 21, 1927.
Silk piece goods. Duplan Silk Corporation. 231,983; Aug. 30; Serial No. 248,821; published June 21, 1927.
Silk piece goods. Zollinger & Schorth, Inc. 231,958; Aug. 30; Serial No. 243,912; published June 7, 1927.
Silks, cottons, woolens, and rayon fabrics. George Wills & Sons, Ltd. 231,885; Aug. 30; Serial No. 241,308; published June 21, 1927.
Towels, Fabric. H. C. Wheeler. 231,919; Aug. 30; Serial No. 247,652; published June 21, 1927.
Woolen dress goods. Atlantic Mills. 232,145; Aug. 30.

Woolen piece goods. Forstmann & Huffmann Company. 231,844; Aug. 30; Serial No. 245,198; published June 7, 1927.
Woolen piece goods. Forstmann & Huffmann Company. 232,007; Aug. 30; Serial No. 248,765; published June 21, 1927.
Woolen piece goods. Ware Woolen Company. 232,013; Aug. 30; Serial No. 247,050; published June 7, 1927.

CLASS 43.

Cotton, linen, and hemp yarn and thread, jute yarns; silk, spun, thrown, or sewing; and yarns of wool, worsted, or hair, Sewing. Aktiengesellschaft für Textil-Industrie, vormals Dollfus-Mieg & Cie. 30,869; renewed Nov. 16, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 64,977; renewed Sept. 3, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 66,117; renewed Nov. 12, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 66,119; renewed Nov. 12, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 66,196; renewed Nov. 12, 1927.
Cotton, sewing cotton, and thread, Spool. American Thread Company. 66,401; renewed Nov. 26, 1927.
Yarns. New England Spun Silk Corporation. 231,987; Aug. 30; Serial No. 248,920; published June 21, 1927.
Yarns spun from blends of artificial silk and silk fibers. New England Spun Silk Corporation. 231,988; Aug. 30; Serial No. 248,921; published June 21, 1927.

CLASS 44.

Aprons, step-ins, bloomers, etc., Sanitary. C. J. Haley & Co. 232,045; Aug. 30; Serial No. 233,074; published June 14, 1927.
Atomizers, laryngoscopes, rectal dilators, sterilizers, and bacteriological incubators. William Boekel & Co. 30,694; renewed Oct. 19, 1927.
Bandages, Eye. Arden Chemical Company. 232,120; Aug. 30.
Magnetic coil. G. Biberger. 231,967; Aug. 30; Serial No. 244,422; published June 14, 1927.
Sanitary napkins. Owl Drug Co. 231,957; Aug. 30; Serial No. 243,558; published June 21, 1927.
Swabs. Leo Gerstenzaug Co. Inc. 231,847; Aug. 30; Serial No. 245,007; published June 14, 1927.
Teat dilator. H. W. Naylor. 232,127; Aug. 30.
Teeth, dental cement, etc., Artificial. Amalgamated Dental Company Limited. 232,052; Aug. 30; Serial No. 246,585; published June 14, 1927.
Vibrating induction coil. T. J. Potter. 231,834; Aug. 30; Serial No. 246,929; published June 21, 1927.

CLASS 45.

Beverage. G. W. Barton. 231,828; Aug. 30; Serial No. 246,658; published May 24, 1927.
Beverage. J. A. Glika A. G. 231,980; Aug. 30; Serial No. 244,926; published June 14, 1927.
Beverage, Harrison & Elchenlaub. 232,100; Aug. 30; Serial No. 199,887; published June 21, 1927.
Beverage. S. Simonovitz. 232,053; Aug. 30; Serial No. 246,573; published June 21, 1927.
Beverage and sirup for making same. D. A. Turchi Sons. 231,855–6; Aug. 30; Serial Nos. 246,240–1; published June 7, 1927.
Beverage and sirup for making the same. J. L. Reed. 231,809; Aug. 30; Serial No. 247,868; published May 31, 1927.
Beverage and sirup for making the same, Chocolate. Corn Products Refining Company. 231,836; Aug. 30; Serial No. 247,069; published May 31, 1927.
Beverage sold as a soft drink. Saul J. Baron Corporation. 232,117; Aug. 30.
Beverage sold as a soft drink and sirup, extract, and concentrate for making the same. Kelly Dry Pure Juice Corporation. 232,129; Aug. 30.
Beverage sold as a soft drink and sirup for making the same. Fort Dodge Bottling Works. 231,814; Aug. 30; Serial No. 247,733; published May 31, 1927.
Beverages. Danner-Glesner & Co. 231,968; Aug. 30; Serial No. 244,431; published May 24, 1927.
Beverages. E. L. Husting Co. 231,812; Aug. 30; Serial No. 247,794; published June 7, 1927.
Beverages. V. Jones. 231,880; Aug. 30; Serial No. 247,132; published June 14, 1927.
Beverages. O'Keefe's Beverages, Limited. 232,008; Aug. 30; Serial No. 174,588; published May 24, 1927.
Beverages. Orange Crush Bottling Co. 231,933; Aug. 30; Serial No. 248,373; published June 14, 1927.
Beverages. St. Paul Bottling Company. 232,036; Aug. 30; Serial No. 246,231; published June 7, 1927.
Beverages and compound concentrates and sirups for the manufacture thereof. Orange Crush Company. 231,871; Aug. 30; Serial No. 240,817; published Feb. 8, 1927.
Beverages and extracts for making same. Queen City Bottling Company. 232,046; Aug. 30; Serial No. 233,229; published Sept. 7, 1926.
Beverages and fruit-juice flavors for making the same. R. Goodwin. 231,821; Aug. 30; Serial No. 246,400; published June 7, 1927.
Beverages and sirups and extracts for making the same, and mineral water. Elite Catering Company. 231,990; Aug. 30; Serial No. 242,826; published June 7, 1927.
Beverages and sirups for making same. C. M. Brooke & Sons. 232,112; Aug. 30; Serial No. 225,700; published May 24, 1927.
Beverages and sirups for making same. General Beverage Company. 231,852; Aug. 30; Serial No. 248,563; published June 14, 1927.
Beverages and sirups for making the same. A. W. Mynderse. 231,926; Aug. 30; Serial No. 247,384; published June 14, 1927.
Beverages sold as soft drinks. C. E. May. 231,946; Aug. 30; Serial No. 241,830; published May 3, 1927.
Concentrates, sirups, and flavors. Brechet & Richter Company. 232,017; Aug. 30; Serial No. 245,046; published June 14, 1927.
Extract for making soft drinks. C. M. Brewer. 231,915; Aug. 30; Serial No. 247,595; published June 14, 1927.
Fruit juices, beverages, etc. Canada Dry Ginger Ale, Incorporated. 232,025; Aug. 30; Serial No. 245,691; published May 24, 1927.
Ginger ale. D. Bordagaray. 231,924; Aug. 30; Serial No. 247,164; published June 7, 1927.
Ginger ale. Fred W. Wilson, Inc. 232,108; Aug. 30; Serial No. 221,152; published Dec. 22, 1925.
Ginger ale and soda water. W. A. Ross & Sons, Limited. 30,638; renewed Oct. 5, 1927.
Sirup sold as a soft drink, Nonalcoholic, maltless. S. Zaroff. 231,955; Aug. 30; Serial No. 248,518; published June 7, 1927.

CLASS 46.

Apples, peaches, and plums, fresh pomegranates, etc. Mayflower Fruit Association. 232,032; Aug. 30; Serial No. 246,040; published June 14, 1927.
Butterscotch. Kerr Brothers. 66,799; renewed Dec. 31, 1927.
Candy. Bur-Bee Candy Co. 232,097; Aug. 30; Serial No. 248,994; published June 21, 1927.
Candy. Novelty Candy Co. 232,044; Aug. 30; Serial No. 232,933; published June 21, 1927.
Candy. Nunnally Company. 232,119; Aug. 30.
Canned corn. Watkins Packing Co. 66,205; renewed Nov. 12, 1927.
Canned fruit, jams, jellies, etc. Pacific Coast Canners, Inc. 231,947; Aug. 30; Serial No. 241,897; published June 14, 1927.
Canned fruits and vegetables. New York Canners, Inc. 232,125; Aug. 30.
Canned fruits, vegetables, etc. Sunical Packing Company. 231,827; Aug. 30; Serial No. 246,645; published June 14, 1927.
Canned fruits, vegetables, sea food, etc. Garofalo Brothers. 232,137; Aug. 30.
Canned spinach, sliced pineapple, crushed pineapple, chile con carne, etc. Adams and Sons Grocer Company. 232,024; Aug. 30; Serial No. 245,682; published June 7, 1927.
Canned vegetables. Inderrieden Canning Co. 232,035; Aug. 30; Serial No. 246,287; published June 14, 1927.
Cereal health food. J. C. Brondy. 231,979; Aug. 30; Serial No. 244,014; published June 14, 1927.
Chocolate creams. J. Kranz. 30,385; renewed July 13, 1927.
Citrous fruits. West Ontario Citrus Association. 232,004; Aug. 30; Serial No. 248,604; published June 14, 1927.
Coffee. J. A. Folger & Company. 232,126; Aug. 30.
Crackers, wafers, etc. Battle Creek Food Co. 231,954; Aug. 30; Serial No. 242,564; published June 14, 1927.
Delicacies, Table. Otto Kuehne Preserving Co. 30,401; renewed July 20, 1927.
Eggs and dressed poultry. Central City Produce Company. 231,835; Aug. 30; Serial No. 246,951; published June 7, 1927.
Fish, Cured. Gorton-Pew Fisheries Company. 232,076; Aug. 30; Serial No. 247,998; published June 21, 1927.
Flavoring composition. L. D. Clark. 232,134; Aug. 30.
Flour. Sprague, Warner & Company. 31,025; renewed Dec. 21, 1927.
Flour made from wheat. H. H. King. 31,026; renewed Dec. 21, 1927.
Flour, Wheat. Columbia Mill & Elevator Company. 66,918; renewed Jan. 7, 1928.
Flour, Wheat. Wall-Rogalsky Milling Company. 66,034; renewed Nov. 5, 1927.
Ginger root preserved in sirup, Chinese sauce, etc. J. Eng. 232,037; Aug. 30; Serial No. 230,389; published June 14, 1927.
Gum, Chewing. Val Blatz Brewing Company. 231,808; Aug. 30; Serial No. 247,916; published June 14, 1927.
Ham, bacon, and sausage. South End Meat Products Co. 231,915; Aug. 30; Serial No. 242,446; published June 14, 1927.
Lard. Otto Stahl, Inc. 231,820; Aug. 30; Serial No. 247,563; published June 21, 1927.
Macaroni. Milwaukee Macaroni Co. 231,909; Aug. 30; Serial No. 247,441; published June 14, 1927.
Mayonnaise and Russian dressing. Hostess Products Corp. 232,099; Aug. 30; Serial No. 194,447; published June 7, 1927.
Oil, Olive. Italian Grocers Association. 232,030; Aug. 30; Serial No. 245,910; published June 7, 1927.

Olives. Marie A. K. Hitzfeld, viuda de Diego Gomez. 231,994; Aug. 30; Serial No. 243,154; published June 14, 1927.
Pickles. M. Nielsen. 232,040; Aug. 30; Serial No. 230,799; published June 14, 1927.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 231,824; Aug. 30; Serial No. 246,567; published June 14, 1927.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 231,832; Aug. 30; Serial No. 246,864; published June 14, 1927.
Pork and bacon, Salt. North Packing and Provision Company. 231,940; Aug. 30; Serial No. 237,917; published June 14, 1927.
Poultry, eggs, and chicks. Mapleside Poultry Farms. 231,969; Aug. 30; Serial No. 244,508; published June 14, 1927.
Prunes, figs, raisins, peaches, etc., Dried. Sunland Sales Cooperative Association. 231,939; Aug. 30; Serial No. 237,880; published June 14, 1927.
Sandwich filling made from genuine razorback ham and other ingredients. Jordan Stabler Company. 232,132; Aug. 30.
Sirup, Table. Stacy Williams Co. 231,920; Aug. 30; Serial No. 247,646; published June 14, 1927.
Sirups and extracts. Sears & Derr Company. 231,826; Aug. 30; Serial No. 246,638; published June 14, 1927.
Sugar sirups, Cane-. Godchaux Sugars Inc. 232,022; Aug. 30; Serial No. 245,547; published June 14, 1927.
Tomato paste and tomato catchup. Alexandria Packing Corporation. 232,111; Aug. 30; Serial No. 225,635; published Dec. 28, 1926.

CLASS 47.

Wine. S. B. Plana. 231,877; Aug. 30; Serial No. 228,864; published May 24, 1927.

CLASS 48.

Beer. Near. North American Brewing Company. 231,862; Aug. 30; Serial No. 245,573; published May 24, 1927.
Beverage, Cereal malt. New England Brewing Co. 232,105; Aug. 30; Serial No. 216,688; published Mar. 2, 1926.
Malt and hops compound. Reed Bird Malt and Hops Company. 231,811; Aug. 30; Serial No. 247,819; published June 21, 1927.
Malt beverages. Golden West Brewing Company. 231,842; Aug. 30; Serial No. 245,266; published May 24, 1927.
Malt beverages. Golden West Brewing Company. 231,843; Aug. 30; Serial No. 245,265; published May 24, 1927.
Malt sirup. J. F. Denend. 232,063; Aug. 30; Serial No. 247,264; published June 21, 1927.
Malt sirup. P. J. Gloeckner. 232,059; Aug. 30; Serial No. 247,182; published June 21, 1927.
Malted beverages. D. Bordagaray. 232,014; Aug. 30; Serial No. 247,163; published May 31, 1927.

CLASS 49.

Whisky. Kentucky Holding Corporation. 232,090; Aug. 30; Serial No. 246,031; published May 31, 1927.

CLASS 50.

Leather and insulating material, Manufacturing imitation. Pantasote Leather Company. 31,000; renewed Dec. 21, 1927.

ALPHABETICAL LIST OF LABELS.

Bitter Root Brand. For Ink. J. J. McKenna. 32,666; Aug. 30.
Bunny Bread. For Bread. R. G. Conner. 32,653; Aug. 30.
Certificate of Analysis. For Motor Oil. J. A. Seltz. 32,679; Aug. 30.
Crysto-Vaso. For a Skin Preparation.. K. Oliver. 32,670; Aug. 30.
Desert Primrose. For Perfume. Gene Palmer, Inc. 32,672; Aug. 30.
Filetaro. For Canned Spinach. Sprague, Warner & Company. 32,681; Aug. 30.
Du-Ko-Lene. For Automobile Polish and Cleaner.. Davis Chemical Company. 32,654; Aug. 30.
Flavora. For Fresh Prunes. Ray-Brown Company. 32,673; Aug. 30.
Fresh Seal. For Canned Blackberries. Ray-Brown Company. 32,674; Aug. 30.
Gardenia. For Canned Strawberries. Ray-Brown Company. 32,676; Aug. 30.
Grekko Hay Fever Remedy. For a Medicine for the Treatment of Hay Fever, Rose Fever, Summer Asthma, Summer Catarrh, and Head Colds. Grekko Chemical Company. 32,662; Aug. 30.
Heavy Puck. For Fresh Apples. Earl Fruit Company. 32,655-7; Aug. 30.
India Night. For Perfume. Gene Palmer, Inc. 32,671; Aug. 30.
Moore Brake. For Lubricating Dressing for Brakes. J. W. Moorehead. 32,667; Aug. 30.
Namco Baby. For Canned Clams. North American Mercantile Company. 32,669; Aug. 30.
Penn-Alto. For Canned Pineapple. Shaffer Stores Company. 32,680; Aug. 30.
Pintura Elefante. For Ready-Mixed Paint. Ivoroid Mixed Paint Company. 32,665; Aug. 30.
Reefer's No-Moth. For Scientific Moth Preventative. Reefer's No-Moth, Inc. 32,678; Aug. 30.
Selected Camembert. For Cheese. William Faehndrich, Inc. 32,659; Aug. 30.
Selected Gruyère. For Cheese. William Faehndrich, Inc. 32,660; Aug. 30.
Smooth-Ease. For Lotion to be Applied to the Skin. C. and A. Highland. 32,664; Aug. 30.
State House Coffee. For Coffee. New York Tea & Coffee Company. 32,668; Aug. 30.
T. R. Beauty Oil. For a Toilet Preparation. C. D. Gulbrandson. 32,663; Aug. 30.
Tastay. For Canned Cherries. Ray-Brown Company. 32,675; Aug. 30.
The Game of Quizzer Questionnaire. For a Game. Stoll & Edwards Co. Inc. 32,683; Aug. 30.
The Shoe Box. For Shoes. Chas. A. Stevens & Bros. 32,682; Aug. 30.
Topping. For Canned Pears. Ray-Brown Company. 32,677; Aug. 30.
Type Selected Camembert Famous Brand. For Cheese. William Faehndrich, Inc. 32,658; Aug. 30.
Wally's Noodles. For Noodles. J. C. Walligorski. 32,684; Aug. 30.
Yum Yum. For Relishes. Gelfand Manufacturing Co. 32,661; Aug. 30.

ALPHABETICAL LIST OF PRINTS.

A Canary Belongs in Every Home. For Canary Birds, Food, Seeds, and Remedies. Kaempfer's. 10,413; Aug. 30.
And Now Chromium Finished. For Vehicle Bumpers. C. G. Spring & Bumper Company. 10,134; Aug. 30.
Baby's First Solid Food—What Care is Needed in Choosing it. For Wheat Breakfast Food. Cream of Wheat Co. 10,136; Aug. 30.
Beaver Brand Wiping Rags. For Wiping Rags. Chicago Sanitary Rag Co. 10,135; Aug. 30.
D-Mosco. For Oil Products. J. A. Dowker. 10,141; Aug. 30.
For Any Diet Where Starch is Allowed—This Tempting Vegetable Dish. For Wheat Breakfast Food. Cream of Wheat Co. 10,139; Aug. 30.
For The Post-Operative Diet—This Nourishing, Highly Digestible Food. For Wheat Breakfast Food. Cream of Wheat Co. 10,137; Aug. 30.
Ice Cream. For Ice Cream. Tri-State Ice Cream Corporation. 10,147; Aug. 30.
Important Building Years—From 3 to 6. For Wheat Breakfast Food. Cream of Wheat Co. 10,138; Aug. 30.
Kream of the Krude. For Oil and Products. J. A. Dowker. 10,140; Aug. 30.
Lysol. For Disinfectant. Lehn & Fink, Inc. 10,145; Aug. 30.
Mak-A-Wagon. For Mak-a-Wagon Novelties. F. M. Fargo. 10,142; Aug. 30.
Mrs. Klein's Home Made Real Egg Noodles. For Noodles. A. S. Klein. 10,144; Aug. 30.
On Guard. For Vehicle Bumpers. C. G. Spring & Bumper Company. 10,133; Aug. 30.
Out of 100 Pounds of Special Wheat Only 26 Pounds are Good Enough for Swans Down. For Cake Flour. Postum Co. 10,146; Aug. 30.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aachener Maschinenbau-Gesellschaft m. b. H. (See Roderburg, Jacob, assignor.)
Aalborg, Christian, Pittsburgh, and F. C. Wilharm, Homewood, Pa., assignors to Westinghouse Electric and Manufacturing Company. Operating device and disconnecting switch. 1,640,558; Aug. 30.
Adduci, John B., Boston, Mass. Shock absorber. 1,640,340; Aug. 30.
Altelli, Silvio M., Newark, N. J. Envelope. 1,640,685; Aug. 30.
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Aldrin, Leonard, Denver, Colo. Reamer for rotary well drills. 1,640,341; Aug. 30.
Allen, Andrew A., Maricopa, Calif. Automatic brake mechanism. 1,640,916; Aug. 30.
Allen, Samuel G., trustee. (See Davis, Frank W., assignor.)
Alpina Kase A.-G. (See Sutter, Ernst, assignor.)
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,640,343; Aug. 30.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
Aluminum Company of America, The. (See Magill, Charles E., assignor.)
American Autoparts Company. (See Frater, William H., assignor.)
American Flange & Manufacturing Company. (See Burgess, Francis R., assignor.)
American Glue Company. (See Campbell, Charles H., assignor.)
American Locker Company. (See Johnson, Harvey L., assignor.)
American Multigraph Co., The. (See Chisholm, Clifton, assignor.)
American Multigraph Company, The. (See Morse, Lawrence H., assignor.)
American Piano Company. (See Russell, Guy M., assignor.)
American Plumbing & Heating Company. (See Crosby, Ralph H., assignor.)
American Radiator Company. (See Ward, M. H., and Aurand, assignors.)
American Telephone and Telegraph Company. (See Armstrong, Frank C., assignor.)
American Telephone and Telegraph Company. (See Percival, Harry S., assignor.)
Ammon, Fred, Waukegan, Ill. Seat adjuster. 1,640,812; Aug. 30.
Anchor Cap & Closure Corporation. (See Jaeger, Max, assignor.)
Anchor Cap and Closure Corporation. (See Ramsey, George, assignor.)
Anderson, Frederick V., assignor to The V. D. Anderson Company, Cleveland, Ohio. Press or expeller. 1,640,342; Aug. 30.
Anderson, John N., Hoboken, N. J., assignor to Otis Elevator Company, New York, N. Y. Brake. 1,640,972; Aug. 30.
Anderson, V. D., Company, The. (See Anderson, Frederick V., assignor.)
Andres, William J., South Bend, Ind., assignor to Bendix Brake Company, Chicago, Ill. Brake. 1,640,589; Aug. 30.
Armstrong, Frank C., Little Neck, N. Y., assignor to American Telephone and Telegraph Company. Sighting instrument for measuring angles. 1,640,435; Aug. 30.
Armstrong, John. (See Brutofski, S. J., and Armstrong.)
Armstrong, Raymond W., and I. E. McCabe, Chicago, Ill. Joint between electrical conductors. 1,640,869; Aug. 30.
Arnest, Harry L., Virginia Highlands, Va. Brush-adjusting means for generators of automobiles. 1,640,917; Aug. 30.
Art Cage Mfg. Co. (See Sintow, Ely W., assignor.)
Asmussen, Heinrich. (See Ledig, W., and Asmussen.)
Asplund, Erick E., St. Paul, Minn. Display box. 1,640,870; Aug. 30.
Atkins, Henry W., Oakland, Calif. Pruning shears. 1,640,635; Aug. 30.
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Shoe heel. 1,640,686; Aug. 30.
Augustine, Roy W., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Detecting metal particles in nonmetallic material 1,640,524; Aug. 30.
Aurand, Edward L. (See Ward, M. H., and Aurand.)
Austin, George H., Reading, assignor, by mesne assignments, to Samuel Ward Manufacturing Company, Boston, Mass. Bookbinding machine. 1,640,918; Aug. 30.
Automatic Electric Inc. (See Gould, Roy F., assignor.)
Automatic Electric Inc. (See Martin, Talbot G., assignor.)
Automatic Electric Inc. (See Schwartz, Michael assignor.)
Automatic Electric Inc. (See Stehlik, Rudolph F., assignor.)
Automatic Electric Inc. (See Walker, Edwin O., assignor.)
Automatic Straight Air Brake Company. (See Hamilton, M. E., and Hopkins, assignors.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Machine for preparing fruits for canning. 1,640,745; Aug. 30.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Bacon, Adolphus S., Fair Haven, N. Y. Rat trap. 1,641,062; Aug. 30.
Bacon, Victor V., Spokane, Wash. Swimming appliance. 1,640,390; Aug. 30.
Bahr, Fritz. (See Skaupy, F., Pirani, Bahr, and Fehse.)
Baird Dudley (See Hartley, H. J., Fowler, and Baird.)
Baker, Frank E., assignor to Chapin-Skelton Corporation, Syracuse, N. Y. Valve for garment-pressing machines. 1,641,132; Aug. 30.
Baker, Frank E., and W. L. Taylor, assignors to Chapin-Skelton Corporation, Syracuse, N. Y. Garment-pressing machine. 1,641,131; Aug. 30.
Baker, Sylvester A., San Francisco, Calif. Radio loud speaker. Des. 73,363; Aug. 30.
Ballard, Milton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,640,871; Aug. 30.
Ballot, Ernest M., Paris, France. Braking device for vehicles. 1,640,919; Aug. 30.
Ballou, John M. (See Balzer, V. W., and Ballou.)
Ballweber, Harvey M. (See Donowho, R. W., and Ballweber.)
Balzer, Vernon W., and J. M. Ballou, Los Angeles, Calif. Speed-selecting device. 1,640,872; Aug. 30.
Balzer, Vernon W., and J. M. Ballou, assignors to C. W. Burke, Los Angeles, Calif. Collection car. 1,640,875; Aug. 30.
Banks, Henry W., 3d. (See Loomis, C. C., and Banks.)
Barbarou, Marius J. B., Paris, France. Lubricating arrangement for internal-combustion or like engines. 1,640,973; Aug. 30.
Barber Asphalt Company, The. (See Miller, John S., jr., assignor.)
Barber Asphalt Company, The. (See Ritter, George, assignor.)
Barber, Franklin L., assignor to Standard Car Truck Company, Chicago, Ill. Shim for car trucks. 1,640,391; Aug. 30.
Barker Factory, Inc., The. (See Barker, Merrill G., assignor.)
Barker, Merrill G., assignor to The Barker Factory, Inc., Norwalk, Conn. Marine engine. 1,640,974; Aug. 30.
Barnwell, Reginald H. (See Barnwell, Stephen and R. H.)
Barnwell, Stephen, Manchester, and R. H. Barnwell, Potter Heigham, England. Loom. 1,640,813; Aug. 30.
Bartling, Friedrich. (See Honigmann, L., and Bartling.)
Barton, Frederick C., Schenectady, N. Y., assignor to General Electric Company. Amplifying system. 1,640,436; Aug. 30.
Barton, Thomas E., Toronto, Ontario, Canada. Sand distributor. 1,640,630; Aug. 30.
Bauspies, Raymond C., Maywood, Ill. Smoker's tray. Des. 73,364; Aug. 30.
Beachler, George F., Cleveland, Ohio. Sphygmomanometer. 1,640,920; Aug. 30.
Beatty, George W., Decatur, Ill. Fuse-setting machine. 1,640,392; Aug. 30.
Bedford, Roy. (See Roafen, J. T., and Bedford.)
Bell, James, & Co. Proprietary Limited. (See Innes, W. R. D., and Stanley, assignors.)
Belliveau, John E., Halifax, Nova Scotia, Canada. Hinge. 1,640,525; Aug. 30.
Bellows, Emma L., New York, N. Y. Thermometer case. 1,641,020; Aug. 30.
Belmonte, William C., New York, N. Y. Combined medicinal pencil and inhaler. 1,640,687; Aug. 30.
Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump car. 1,640,637; Aug. 30.

Bendix Brake Company. (See Andres, William J., assignor.)
Bendix Brake Company. (See Laddon, I. M., Ring, and Herman, assignors.)
Bendix Corporation. (See Perrot, Henri, assignor.)
Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Jib-crane transfer device for overhead carrier systems. 1,640,344; Aug. 30.
Benson, Harold M., Oakland, Calif. Sock absorber. 1,641,021; Aug. 30.
Bergstein, Samuel, and A. C. E. Lindner, assignors to The Interstate Folding Box Company, Middletown, Ohio. Making paper boxes and the like. 1,640,638; Aug. 30.
Bertrand, Claude F. B. G. (See Cogery, H. E. D., and Bertrand.)
Bettendorf, Joseph W., Bettendorf, Iowa. Brake hanger. 1,640,590; Aug. 30.
Beyer, Otto S., assignor, by mesne assignments, to E. W. Bliss Company, Brooklyn, N. Y. Radiator. 1,640,874; Aug. 30.
Blackburn, Albert T., Jersey City, N. J. Electric cluster lamp fixture. Des. 73,365; Aug. 30.
Blackmon, John F., Laurens, S. C. Loom dobby. 1,641,111; Aug. 30.
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Horn button. 1,640,875; Aug. 30.
Blackwood, William C., Elmhurst, assignor, by mesne assignments, to T. E. Murray, jr., Brooklyn, N. Y. Distribution unit for electric circuits. 1,640,814; Aug. 30.
Blanch, Sven M., and F. J. Quist, Worcester, Mass. Carpet cleaner. 1,641,063; Aug. 30.
Blanchard, Robert L., New York, N. Y. Air indicating and regulating apparatus for furnaces. 1,640,921; Aug. 30.
Blauhorn, Emanuel, Vienna, Austria. Exhaust-steam injector for locomotives and the like. 1,640,688; Aug. 30.
Bliss, E. W., Company. (See Beyer, Otto S., assignor.)
Blood, Harold L. (See Greenleaf, G. E., Blood, and Rausch.)
Blum, Henri, Mulhouse, assignor to Société Alsaciennes de Produits Chimiques, Paris, France. Manufacture of borneol esters. 1,640,639; Aug. 30.
Bodenslek, Jennie M., New York, N. Y. Hose-supporter clasp. 1,640,689; Aug. 30.
Bodholdt, Aksel K., et al. (See Speer, Alexander S., assignor.)
Boegehold, Alfred L., assignor to General Motors Research Corporation, Dayton, Ohio. Internal-combustion-engine cylinder and making same. 1,640,876; Aug. 30.
Boehringer, C. H., Sohn, Chemische Fabrik. (See Schneider, H., and Rabe, assignors.)
Bonat, Harry. (See Bonat, Samuel and H.)
Bonat, Samuel and H., New York, N. Y. Permanent waving of hair. 1,640,345; Aug. 30.
Bonrath, Wilhelm. (See Lieske, R., Schulemann, and Bonrath.)
Borneman, Herman A. F., Columbus, Ohio, assignor of one-half to Westco-Chippewa Pump Company, Davenport, Iowa, and one-half to Decatur Pump Company, Decatur, Ill. Centrifugal pump. 1,640,591; Aug. 30.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Top construction. 1,640,592; Aug. 30.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Body construction. 1,640,640; Aug. 30.
Boulton, Edgar M., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,640,559; Aug. 30.
Bradford Corporation, The. (See Rodman, Thomas E., assignor.)
Bradshaw, William M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Voltage-regulator system. 1,640,560; Aug. 30.
Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Power actuator. 1,640,526; Aug. 30.
Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)
Braun, Carl F., San Francisco, Calif. Heat exchanger. 1,640,746; Aug. 30.
Braun, Carl F., Pasadena, Calif. Absorption plant. 1,640,747; Aug. 30.
Braun, Carl F., Pasadena, Calif. Progressive condenser. 1,640,748; Aug. 30.
Breisch, Edgar W., Edgewood Park, and L. R. Golladay, East Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Variable condenser. 1,640,561; Aug. 30.
Bridenbaugh, Elmer H. (See Flintham, W. C., and Bridenbaugh.)
Bridges, Walter J., Two Rivers, Wis. Air-cleansing humidifier. 1,640,641; Aug. 30.
Briggs Manufacturing Company. (See Lundbert, Everett E., assignor.)
Britan, Harlan M., Ojus, Fla. Stove. 1,641,064; Aug. 30.
Brogden, Ernest M., assignor to Brogdex Company, Winter Haven, Fla. Method and apparatus for treating fresh fruit. 1,641,112; Aug. 30.
Brogdex Company. (See Brogden, Ernest M., assignor.)
Brookman, Horace D., East Liverpool, Ohio. Insulator. 1,640,815; Aug. 30.
Brown, Albert C., Chicago, Ill. Faucet. 1,640,527; Aug. 30.
Brown, Arthur L., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condensation-product varnish. 1,640,562; Aug. 30.
Brown, Charles A., Salem, and G. J. Esselen, jr., Swampscott, assignors to Manufacturing Improvement Corporation, Boston, Mass. Degreasing skins. 1,640,478; Aug. 30.
Brown Company. (See Richter, George A., assignor.)
Brown Instrument Company, The. (See Brown, Richard P., assignor.)
Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
Brown, Millard D., assignor to Continental Mills, Inc., Philadelphia, Pa. Knitted fabric. Des. 73,366; Aug. 30.
Brown, Ralph L., Pittsburgh, Pa. Recovering styrene. 1,640,975; Aug. 30.
Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Ventilated thermocouple. 1,640,816; Aug. 30.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor hitch. 1,640,642; Aug. 30.
Bruce, William M., jr., Springfield, Ohio. Electric translating device. 1,640,749; Aug. 30.
Brueckner, Julius R., Bay City, Mich., assignor to Gibb Instrument Company. Alternating-current welding system. 1,640,877; Aug. 30.
Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,640,976; Aug. 30.
Brueshaber, Martin W., Chicago, Ill., assignor to Goss Printing Press Company. Printing press. 1,640,977; Aug. 30.
Bruhn, Bruno, Bethlehem, Pa., assignor to G. Polysius, Dessau, Germany. Regulating discharge from containers. 1,640,528; Aug. 30.
Brunt, Percy, Meyal, Pindigheb, India. Drilling tool. 1,641,113; Aug. 30.
Brusson, Joseph, Liege, Belgium. Bottle-washing machine. 1,640,643; Aug. 30.
Brutofski, Stephen J., and J. Armstrong, Scranton, Pa. Baseball-game apparatus. 1,640,878; Aug. 30.
Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company. Fire box for steam generators. 1,640,346; Aug. 30.
Bryan Harvester Company. (See Bryan, George A., assignor.)
Bryson, Tandy A., and F. I. Williams, Troy, N. Y., assignor to Tolhurst Machine Works. Centrifugal extractor. 1,640,978; Aug. 30.
Buchholz, Theodor, Berlin-Zehlendorf-West, Germany. Rail fastening. 1,640,750; Aug. 30.
Buchsbaum, Samuel, Chicago, Ill. Antifriction device for shoe heels. 1,640,593; Aug. 30.
Buelna, Guadalupe, Santa Barbara, Calif. Sprinkler. 1,640,751; Aug. 30.
Buhrke, R. H., Co. (See Schank, John E., assignor.)
Bullum, Steve, Fellows, Calif. Drilling tool. 1,640,644; Aug. 30.
Bunge, Julius H. O., London, England, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding molten glass. 1,641,133; Aug. 30.
Burdick, Charles L., Wood Green, London, England. Machine for counting sheets. 1,640,563; Aug. 30.
Burdick, Charles L., Wood Green, London, England. Air conditioner. 1,640,564; Aug. 30.
Burgess, Francis R., assignor to American Flange & Manufacturing Company, Chicago, Ill. Container and sealing means therefor. 1,640,594; Aug. 30.
Burke, Charles W. (See Balser, V. W., and Ballou, assignors.)
Burke, Harry C., and A. A. Friberg, assignors of one-third to S. D. Murdock, Los Angeles, Calif. Billiard table. 1,640,879; Aug. 30.
Burmeister, Louis, Milwaukee, Wis. Elevator leg. 1,640,529; Aug. 30.
Burton, Paul C., La Grange, Ill., assignor to The National Automatic Tool Company, Richmond, Ind. Spring-operated clutch-shifting mechanism. 1,640,530; Aug. 30.
Bushnell, Robert C., Philadelphia, Pa. Tire pump. 1,640,880; Aug. 30.
Buss, Otto W. L., Minneapolis, Minn. Fireproof sash frame. 1,640,595; Aug. 30.
Butler, Henry B. (See Diggs, Dudley M., assignor.)
Caldara, Salvatore C., New York, N. Y. Valve. 1,641,141; Aug. 30.
Caldwell, Jonathan E., Santa Monica, Calif. Aeroplane. 1,640,645; Aug. 30.
Calhoun, Ben S. (See Calhoun, Charles S., assignor.)
Calhoun, Charles S., Vidalia, assignor of one-half to B. S. Calhoun, Glenwood, Ga. Spark arrester. 1,641,022; Aug. 30.
Callery, Christopher C., West Coatesville, Pa. Pipe clamp. 1,641,065; Aug. 30.
Cambridge Rubber Company. (See Dunbar, E. W., and Westling, assignors.)
Cameron Can Machinery Company. (See Cameron, William, assignor.)

Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Can-end curling and stacking mechanism. 1,640,979; Aug. 30.
Campano, Joseph D., Berkeley Heights, N. J. Mixture for stopping leaks. 1,641,066; Aug. 30.
Campbell, Charles H., Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass. Making reclaimed rubber. 1,640,817; Aug. 30.
Campbell, Charles H., Pittsburgh, Pa., assignor to American Glue Company, Boston, Mass. Mixing a soluble filler with rubber. 1,640,818; Aug. 30.
Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Retaining-valve bracket. 1,640,819; Aug. 30.
Candee, Andrew H. (See Riley, L. G., Candee, and Jones.)
Canning, John F., Richmond Hill, N. Y. Treatment of internal-combustion-motor cylinders for carbon deposit. 1,640,690; Aug. 30.
Capstan Glass Company. (See Kucera, Peter, assignor.)
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Clutch construction. 1,640,752; Aug. 30.
Carlson, Lewis B., Boston, assignor to S. A. Woods Machine Company, South Boston, Mass. Radial setting gauge. 1,641,114; Aug. 30.
Carlson, Philip, Bridgeport, Conn. Cab for motor vehicles. 1,641,115; Aug. 30.
Carlson, Philip, Bridgeport, Conn. Cab for motor vehicles. 1,641,117; Aug. 30.
Carlson, Wendell L., and G. W. Carpenter, Washington, D. C. Radio telegraph system. 1,640,881; Aug. 30.
Caroni, Italo, Rome, Italy. Bridge material. 1,640,980; Aug. 30.
Carpenter, Charles E., Chicago, Ill. Doughnut machine and the like. 1,641,118; Aug. 30.
Carpenter, Glenn W. (See Carlson, W. L., and Carpenter.)
Carson, Clark, Los Angeles, Calif., assignor to M. H. Lane, Washington, D. C. Liquid-level indicator. 1,641,116; Aug. 30.
Carver, C. R., Company. (See Fellows, Walter C., assignor.)
Cary, Melbert B., assignor to Vaslamp Manufacturing Corporation, New York, N. Y. Lamp device. Re16,722; Aug. 30.
Cassidy, George W., New York, N. Y. Attachment for bridge arm lamps. Des. 73,367; Aug. 30.
Castleman, J. W., et al. (See Kliewer, Edward A., assignor.)
Catlin, De Forest B., Boston, Mass. Testes-treating apparatus. 1,640,479; Aug. 30.
Cavanaugh, Florence S., New York, N. Y. Bottle. Des. 73,368; Aug. 30.
Celanese Corporation of America. (See Chatham, Robert H., assignor.)
Cellino, Attilio, Buenos Aires, Argentina, assignor to Central Battery Corporation. Preparing positive electrodes of storage batteries. 1,640,922; Aug. 30.
Cement Gun Contracting Company. (See Crom, John M., assignor.)
Central Battery Corporation. (See Cellino, Attilio, assignor.)
Central Trust Company of Illinois et al. (See Speer, Alexander S., assignor.)
Central Tube Company. (See McMillen, Albert K., assignor.)
Chapin-Skelton Corporation. (See Baker, Frank E., assignor.)
Chapin-Skelton Corporation. (See Baker, F. E., and Taylor, assignors.)
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Electric welding. 1,640,437; Aug. 30.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric switch. 1,641,134; Aug. 30.
Chatham, Robert H., Manchester, England, assignor to Celanese Corporation of America. Treatment of fabrics, paper, and other materials. 1,640,596; Aug. 30.
Chisholm, Clifton, assignor to The American Multigraph Co., Cleveland, Ohio. Printing chase. 1,640,347; Aug. 30.
Cholnski, Walter, Milwaukee, Wis. Towel holder. 1,640,820; Aug. 30.
Christiansen, Christian, assignor to New Way Harvester Company, Sioux Falls, S. Dak. Shocker. 1,640,598; Aug. 30.
Christensen, Niels A., Cleveland, Ohio. Compressor control. 1,640,597; Aug. 30.
Chrysl, William A., assignor by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,640,733; Aug. 30.
Church, Frederic P., Lynn, Mass., assignor to General Electric Company. Mercury meter. 1,640,488; Aug. 30.
Church, Frederic P., Lynn, Mass., assignor to General Electric Company. Mercury meter. 1,640,489; Aug. 30.
Clark, Albert B., Boston, Mass. Speed-change gear. 1,640,882; Aug. 30.
Clark, Edgar C., Pittsburgh, Pa. Separator for bricks and piling the same. 1,640,691; Aug. 30.
Clark, Thomas E., and C. B. Stone, assignors to Continuous Train Control Corporation, Detroit, Mich. Air-brake-control device. 1,640,480; Aug. 30.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper-actuating mechanisms for sewing machines. 1,641,135; Aug. 30.
Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)
Cleveland Trust Company, The. (See Dorn, Harry P., assignor.)
Clune, J. W., Co. (See Lowe, Edward L., assignor.)
Coblentz, William W., Washington, D. C. Optical means for generating, amplifying, and controlling electric currents. 1,640,393; Aug. 30.
Cocks, Harry J., assignor to Metal Products Company, Des Moines, Iowa. Coil-winding form. 1,640,821; Aug. 30.
Coffey, Robert J., Oakland, Calif. Sprayer. 1,641,023; Aug. 30.
Cogery, Henri E. D., and C. F. B. G. Bertrand, Paris, France. Loose-leaf binder. 1,640,646; Aug. 30.
Coban, Newton, Portland, Oreg. Adjustable mail chute. 1,640,981; Aug. 30.
Cohn, Louis N., Rock Island, Ill., assignor to Gleam-Manufacturing Co., Davenport, Iowa. Cleaning composition and spot remover. 1,640,531; Aug. 30.
Coldwell, John S., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Web-feeding mechanism. 1,640,532; Aug. 30.
Coldwell, John S., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Web-supplying system. 1,640,533; Aug. 30.
Cole, Robert L. (See Denslow, Ruth W., assignor.)
Coleman, Stephen N., Sylacauga, Ala. Hand clamp. 1,640,883; Aug. 30.
Coleman, Stephen N., Sylacauga, Ala. Shoe jack. 1,640,884; Aug. 30.
Coleman, Stewart P. (See Parsons, L. W., and Coleman.)
Collin, Theodor, Falun, and L. G. H. Helmstein, Gottenborg, Sweden. Bogie for railway cars and the like. 1,640,647; Aug. 30.
Collins, Frederic C., Akron, Ohio. Closure for tubes or the like. 1,640,481; Aug. 30.
Colomb, Henri, Tavannes, Switzerland. Making concentric bushings for jewel bearings. 1,640,848; Aug. 30.
Colt's Patent Fire Arms Manufacturing Company. (See Couch, Elbert L., assignor.)
Concrete Surfacing Machinery Company, The. (See Hieber, George E., assignor.)
Conn, Ray H., Winamac, Ind. Manufacturing fish lures. 1,640,599; Aug. 30.
Connelly, Clyde A., Shelby, Ohio. Door-operating means. 1,641,067; Aug. 30.
Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Wireless antenna system. 1,640,534; Aug. 30.
Conrad, Isiah, assignor to F. O. Schoedinger, Columbus, Ohio. Combination table and tray. 1,640,440; Aug. 30.
Conrad, Isiah, assignor to F. O. Schoedinger, Columbus, Ohio. Portable and collapsible table or tray. 1,640,441; Aug. 30.
Continental Can Company. (See Fink, H. A., and Flook, assignors.)
Continental Mills, Inc. (See Brown, Millard D., assignor.)
Continental Optical Corporation. (See Durgin, Edgar R., assignor.)
Continental Products Company, The. (See Kuhlhoff, Henry O., assignor.)
Continuous Train Control Corporation. (See Clark, T. E., and Stone, assignors.)
Cook, Everett J., assignor to The Dura Company, Toledo, Ohio. Vehicle lamp mounting. 1,640,923; Aug. 30.
Cook, John, Nairobi, East Africa. Decorticating apparatus for the treatment of sisal and other fibrous leaves and stalks. 1,641,119; Aug. 30.
Cook, John H., Salt Lake City, Utah. Window cleaner. 1,640,924; Aug. 30.
Cooke, George W., Co. (See Cooke, George W., assignor.)
Cooke, George W., Jamaica, N. Y., assignor to George W. Cooke Co., Inc. Fauret. 1,640,692; Aug. 30.
Copeland, Lucius D., Los Angeles, Calif. Steam boiler. 1,640,535; Aug. 30.
Cornwall, George R., Rye, N. Y., assignor, by mesne assignments, to Gough Stemming Machine Corporation. Stemming machine. 1,641,120; Aug. 30.
Coste, Jean F. P., Billancourt, France. Resilient wheel for vehicles. 1,640,349; Aug. 30.
Couch, Elbert L., Mamaroneck, N. Y., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Machine for washing dishes and other articles. 1,640,693; Aug. 30.
Coughlin, William G., Philadelphia, Pa. Rail-holding device for anticreeper. 1,640,925; Aug. 30.
Covey, Mark H., Blue Mountain, Miss. Bedstead. 1,640,754; Aug. 30.
Crain, Frederick, Martinez, Calif. Electric wall bracket. Des. 73,369; Aug. 30.
Cramer, William, St. Louis, Mo., assignor, by mesne assignments to I. M. Jacobs. Belt-lacing device. 1,640,822; Aug. 30.
Creel, Edwin J., Spokane, Wash. Method and apparatus for compression or expansion of a gas. 1,641,121; Aug. 30.

Cresci, Anthony L., Vineland, N. J. Turntable. 1,640,982; Aug. 30.
Criner, Harry J., Clarinda, Iowa, assignor to L. Y. Kokes and E. L. Vogeltanz, Ord, Nebr. Clothes wringer. 1,640,926; Aug. 30.
Crom, John M., Chicago, Ill., assignor to Cement Gun Contracting Company, Allentown, Pa. Device for use in and process of incasing structural members. 1,640,983; Aug. 30.
Crosby, Ralph H., assignor to American Plumbing & Heating Company, Minneapolis, Minn. Gauge trap. 1,640,600; Aug. 30.
Cross, Roy, Kansas City, Mo. Treating coffee. 1,640,648; Aug. 30.
Crowley, Edwin, Minneapolis, Minn. Gate latch. 1,640,394; Aug. 30.
Crumbaugh, Henry M., and H. M. Wilson, sr., Columbus, Ohio. Attachment for filling machines. 1,640,482; Aug. 30.
Culbane, Patrick J., jr., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Rivet heater. 1,641,122; Aug. 30.
Cullinan, Thomas F., Providence, R. I. Draining system for mausoleums. 1,641,123; Aug. 30.
Cullinan, Thomas F., Providence, R. I. Ventilating system for mausoleums. 1,641,124; Aug. 30.
Cummings, Earle W., Santa Barbara, Calif. Casement-window mounting. 1,640,483; Aug. 30.
Cunningham, Katherine E., assignor to The H. W. Gossard Co., Chicago, Ill. Brassière. 1,640,823; Aug. 30.
Cuno Engineering Corporation, The. (See Liebing, Howard C., assignor.)
Curtis, Thomas S., assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif. Grinding ball and process of making. 1,640,885; Aug. 30.
Curtis, Thomas S., assignor, by mesne assignments, to Pacific-Southwest Trust & Savings Bank, trustee, Los Angeles, Calif. Nonslip floor tile. 1,640,886; Aug. 30
Cutler-Hammer Mfg. Co. (See Coldwell, John S., assignor.)
Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
Cutler-Hammer Mfg. Co., The. (See Reed, Harrison P., assignor.)
Cutler, Samuel R., administrator. (See Furber, Frederick M.)
Czech, Fred, Wichita Falls, Tex. Incandescent electric lamp. 1,641,068; Aug. 30.
Damerell, Mark H., assignor to Wyman-Gordon Company, Worcester, Mass. Shaft centering and marking machine. 1,640,395; Aug. 30.
Dangerfield, Lewis, Philadelphia, Pa. Milk-bottle holder. 1,640,927; Aug. 30.
D'Arcy, George W., Boston, Mass. Vaporizing apparatus. 1,640,484; Aug. 30.
Dart, Herbert W., deceased; M. S. Dart, executrix, assignor of one-half to W. H. Ziegler, jr., Colbert, Wash. Vending machine. 1,640,396; Aug. 30.
Dart, Mila S., executrix. (See Dart, Herbert W.)
David, Tanous H., Sacramento, Calif. Chiropractic adjusting and messaging device. 1,640,536; Aug. 30.
David, Walter, et al. (See Kliewer, Edward A., assignor.)
Davies, W. Sanders, et al., trustees. (See Peale, Richard, assignor.)
Davis, Charles V., Morganton, N. C. Electric warmer and wiper for windshields of automobiles. 1,640,887; Aug. 30.
Davis, Elias V. O., assignor of one-half to J. T. Foody, Hornell, N. Y. Mail box. 1,640,888; Aug. 30.
Davis, Frank W., Milford, Del., assignor to S. G. Allen, trustee. Blast-furnace method. 1,640,485; Aug. 30.
Davis, Philip W., Cambridge, Mass. Refining lead. 1,640,486; Aug. 30.
Davis, Philip W., Cambridge, Mass. Refining lead. 1,640,487; Aug. 30.
Dawson, George H., Cambridge, Mass., assignor, by mesne assignments, to Remington Rand Inc., Tonawanda, N. Y. Card-index tray. 1,640,397; Aug. 30.
Dawson, Sidney, assignor to E. J. Morse, Chicago, Ill. Lubricating system. 1,641,125; Aug. 30.
Dayton Scale Company. (See Kepler, George W., assignor.)
Dayton Steel Foundry Company, The. (See Walther, George, assignor.)
Deale, Robert C., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Electric switch. 1,640,755; Aug. 30.
Dean, Mark, assignor of one-half to M. Farrell, Chicago, Ill. Valve and operating device therefor. 1,640,537; Aug. 30.
Decatur Pump Company et al. (See Borneman, Herman A. F., assignor.)
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Delbel, Cyril P., and W. G. Waitt, Lakewood, assignors to General Dry Batteries, Incorporated, Cleveland, Ohio. Dry cell and lining for same. 1,640,488; Aug. 30.
De Jong, Hendrik, Eindhoven, Netherlands, assignor to General Electric Company. Stem-making machine. 1,640,442. Aug. 30.
De Kaiser, Isaac, Pittsburgh, Pa. Radio speaker stand. Des. 73,370; Aug. 30.
De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
Delco-Remy Corporation. (See Chryst, William A., assignor.)
Delco-Remy Corporation. (See Elsey, George W., assignor.)
Delco-Remy Corporation. (See Embshoff, George F., assignor.)
Delco-Remy Corporation. (See Hunt, J. H., and Wallace, assignors.)
Delery, Eugene F., New Orleans, La. Axial flow pump or turbine. 1,640,601; Aug. 30.
Dement, Isaac S., East Orange, N. J., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Computing machine. 1,641,126; Aug. 30.
Demers, Telesphore C., Springfield, Vt. Warp-tension equalizer for looms. 1,641,024; Aug. 30.
Deming, Lucius F., Philadelphia, Pa. Camera-lens-focusing appliance. 1,640,694; Aug. 30.
Dennis, Arthur C., Piedmont, Calif. Placer machine. 1,640,565; Aug. 30.
Denslow, Ruth W., assignor of one-half to R. L. Cole, Houston, Tex. Sanitary caster. 1,641,127; Aug. 30.
De Petris, Gianni, Kewanee, Ill. Convertible automobile seat. 1,640,984; Aug. 30.
Det Norske Aktieselskab for Elektrokemisk Industrie. (See Söderberg, Carl W., assignor.)
Detroit Insulated Wire Company. (See Hunter, Joseph H., assignor.)
Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Electrical discharge device. 1,640,443; Aug. 30.
Dewandre, Albert, assignor to Societe Anonyme Servo-Frein Dewandre, Liege, Belgium. Motor brake. Re16,723; Aug. 30.
Dewandre, Albert, assignor to Societe Anonyme Servo-Frein Dewandre, Liege, Belgium. Power brake. Re16,724; Aug. 30.
Dewey, Clarence L., Elkhart, Ind. Rod and reel. 1,640,350; Aug. 30.
Dickow, Karl, Gorlitz, Germany. Watering apparatus for cattle. 1,640,649; Aug. 30.
Dictaphone Corporation. (See Johnson, Arthur A., assignor.)
Dieter, William, Newark, N. J. Automobile torpedo. 1,640,889; Aug. 30.
Diggs, Dudley M., assignor of one-half to H. E. Butler, Schenectady, N. Y. Paper fastener. 1,640,398; Aug. 30.
Dillon, Stephen V., Tulsa, Okla. Tubing catcher. 1,640,756; Aug. 30.
Dittlinger Crow Process Company, The. (See Dittlinger, Hippolyt, assignor.)
Dittlinger, Hippolyt, assignor, by mesne assignments, to The Dittlinger Crow Process Company, New Braunfels, Tex. Hydration of lime. 1,640,602; Aug. 30.
Dolly, Bernard B., Superior, Ariz. Automatic safety switch. 1,640,695; Aug. 30.
Donnelson, Blanche, Pratt, Kans., assignor of one-tenth to F. Goyen, one-tenth to W. Pedigo, one-tenth to W. B. Hess, one-tenth to J. E. Hardesty, and one-tenth to A. S. Farmer. Pipe wrench. 1,641,025; Aug. 30.
Donovan, Alfred, Barking, London, England. Rectal appliance. 1,640,928; Aug. 30.
Donowho, Robert W., and H. M. Ballweber, Home Gardens, Calif. Liner puller. 1,640,489; Aug. 30.
Dorn, Harry P., assignor to The Cleveland Trust Company, Cleveland, Ohio. Phonometer. 1,641,136; Aug. 30.
Dorsey, William H., New Brighton, assignor, by mesne assignments, to Prosperity Company, Inc., Syracuse, N. Y. Garment press. 1,640,351; Aug. 30.
Douglas, Harry A. (See Nelson, John H., assignor.)
Dovidaitis, Mathew, Philadelphia, Pa. Finger attachment. 1,640,490; Aug. 30.
Druck, Herman, Brooklyn, N. Y. Mechanical toy book. 1,640,399; Aug. 30.
Du Bois-Reymond, Alard, Plon, near Kiel, Prussia, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Sound apparatus. 1,640,538; Aug. 30.
Dunbar, Ernest W., Hudson, and H. Westling, Boston, assignors to Cambridge Rubber Company, Cambridge, Mass. Manufacturing rubber shoes. 1,641,128; Aug. 30.
Dunn, Winslow W., jr., St. Paul, Minn. Electric-light shade. Des. 73,371; Aug. 30.
Du Pont, E. I., de Nemours & Company. (See Moran, Robert C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sachs, John H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Taylor, G. B., and Richardson, assignors.)
Dura Company, The. (See Cook, Everett J., assignor.)
Durgin, Edgar R., Newark, N. J., assignor, by mesne assignments, to Continental Optical Corporation, New York, N. Y. Combination metal and nonmetal spectacle and eyeglass frame. 1,640,824; Aug. 30.
Dykes, Bertram J., Gleadless, near Sheffield, England. Calendering or ironing machine. 1,640,491; Aug. 30.
Eberhard Manufacturing Company, The. (See Hennicke, Charles A., assignor.)
Eckland, Oscar J., Owosso, Mich. Internal-combustion engine. 1,640,696; Aug. 30.

Edwards, Charles M., Washington Court House, assignor of one-half to M. A. Harsh, Columbus, Ohio. Gate. 1,640,757; Aug. 30.
Edwards, Walter, Kokomo, Ind. Stool and chair construction. 1,641,129; Aug. 30.
Egry Register Company, The. (See Pfeiffer, Frank E., assignor.)
Ehrhardt, Paul G., Frankfort-on-the-Main, Germany. Press-ring washer. 1,640,650; Aug. 30.
Eickemeyer, Carl, Brooklyn, N. Y. Rail joint. 1,640,985; Aug. 30.
Ekman, Sven S., Gottenborg, Sweden. Hydraulic brake dynamometer. 1,641,069; Aug. 30.
Electrol, Inc. of Missouri. (See Scott, Lewis L., assignor.)
Electrolock Manufacturing Company, The. (See Hemingway, Wilson, jr., assignor.)
Elliott, Winfred W., Johnson City, assignor to himself and A. H. Shear, copartners, Binghamton, N. Y. Flexible-shaft driving stand. 1,641,130; Aug. 30.
Elsey, George W., Anderson, Ind., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Engine-starting apparatus. 1,640,758; Aug. 30.
Embshoff, George F., assignor, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Fuel burner. 1,640,759; Aug. 30.
Emery, Elias J., Lynn, Mass. Friction connection for spindles and bobbins or spools. 1,640,760; Aug. 30.
Engle, Prise A., Carlos, Ind. Scale. 1,641,070; Aug. 30.
Eglert, Charles, Rochester, N. Y. Heating or ventilating register. 1,640,566; Aug. 30.
Esselen, Gustavus J., jr. (See Brown, C. A., and Esselen.)
Esterbrook, Edward T., Flint, assignor to General Motors Corporation, Detroit, Mich. Wheel-shipping strap. 1,640,890; Aug. 30.
Esterow, Harry, New York, N. Y. Cigar lighter. Des. 73,372; Aug. 30.
Evans, E. S., & Co. (See Evans, Edward S., assignor.)
Evans, Edward S., Detroit, Mich., assignor to E. S. Evans & Co., Inc. Motor-vehicle-transporting box. 1,641,026; Aug. 30.
Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission system. 1,640,539; Aug. 30.
Evans, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transmission system. 1,640,540; Aug. 30.
Everest, Joseph I., Langlois, Oreg. Snubber. 1,640,651; Aug. 30.
Everett, Harry, Casper, Wyo. Emergency brake. 1,640,492; Aug. 30.
Fabricord Incorporated, trustee. (See Lowry, George A., assignor.)
Falco, Ferdinand, Haspe, Germany. Manufacture of pure barium carbonate. 1,640,652; Aug. 30.
Faragher, Warren F., and W. A. Gruse, assignor to Gulf Refining Company, Pittsburgh, Pa. Process and apparatus for cracking hydrocarbon oils. 1,640,444; Aug. 30.
Farkouh, Henry, Brooklyn, N. Y. Portable radioantenna. 1,640,929; Aug. 30.
Farmer, A. N., et al. (See Donnelson, Blanche, assignor.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train-line switch. 1,641,071; Aug. 30.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston packing ring. 1,641,072; Aug. 30.
Farnham, Sidney W., assignor to Goodman Manufacturing Company, Chicago, Ill. Electrical system for locomotives. Re16,721; Aug. 30.
Farrell, Michael. (See Dean, Mark, assignor.)
Fean, William, Columbus, Ohio. Packing form. 1,641,073; Aug. 30.
Feaster, Albert J., Salisbury, N. C. Brace. 1,641,027; Aug. 30.
Fehse, Werner. (See Skaupy, F., Pirani, Bahr, and Fehse.)
Feist, Eugen, Berlin-Schoneberg, assignor to Roth-Buchner Aktiengesellschaft, Berlin-Tempelhof, Germany. Blade sharpener. 1,641,074; Aug 30.
Fejes, Jeno, Budapest, Hungary. Cylinder block for internal-combustion engines. 1,640,761; Aug. 30.
Fellows, Walter C., Philadelphia, Pa., assignor to C. R. Carver Company. Detachable feeding table for machines. 1,640,490; Aug. 30.
Felten & Guilleaume Carlswerk Actiengesellschaft. (See Zapf, Georg, assignor.)
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Double-pointed pin fastener. 1,641,075; Aug. 30.
Ferguson, Carl J., Geneva, N. Y., assignor to W. S. Johnson, Syracuse, N. Y. Vacuum-tank feeder. 1,641,076; Aug. 30.
Findlay Electric Porcelain Company, The. (See Müller, Ferdinand C. H., assignor.)
Fiok, Henry A., Oak Park, Ill., and G. Flook, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Machine for closing filled cans. 1,640,762; Aug. 30.
Firestone, Floyd, assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Machine for detecting flows. 1,640,567; Aug. 30.
Fisk Rubber Company, The. (See Hansen, Raymond, assignor.)
Fleuker, Harold M., Salem, Wis. Gas moistener. 1,641,028; Aug. 30.
Flickinger, William F., Endicott, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,640,697; Aug. 30.
Flintermann, Gerhard, West Orange, N. J. Bearing. 1,640,352; Aug. 30.
Flintham, William C., and E. H. Bridenbaugh, Denver, Colo.; said Bridenbaugh assignor to said Flintham. Washing and sterilizing device. 1,640,401; Aug. 30.
Flintrop, Benjamin W., Hales Corners, Wis. Barn-manure conveyer. 1,640,825; Aug. 30.
Flook, George. (See Fink, H. A., and Flook.)
Fluharty, William G., Rockville Center, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph transmitter. 1,640,541; Aug. 30.
Foley, Charles B., Inc. (See Foley, Charles B., assignor.)
Foley, Charles B., Pottstown, Pa., assignor to Charles B. Foley, Inc., New York, N. Y. Electric furnace. 1,640,826; Aug. 30.
Foody, James T. (See Davis, Elias V. O., assignor.)
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Edge filter. 1,640,698; Aug. 30.
Fort Pitt Bridge Works of Pittsburgh. (See Wilson, Frederick R., assignor.)
Fouquet, Eugene, Bois-Colombes, France. Binding and cutting pliers. 1,641,077; Aug. 30.
Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing soles. 1,640,353; Aug. 30.
Fowler, Edward J. (See Hartley, H. J., Fowler, and Baird.)
Fox, A. H., Gun Company. (See Godshalk, Clarence A., assignor.)
Frater, William H., assignor to American Autoparts Company, Detroit, Mich. Adjustable form for shaping articles. 1,640,827; Aug. 30.
Friberg, August A. (See Burke, H. C., and Friberg.
Friden, Carl M. F., Oakland, Calif. Calculating machine. 1,640,493; Aug. 30.
Friedman, Jacob. (See Scheinfeld, Morris, assignor.)
Friedman, Philip B., Winnipeg, Manitoba, Canada. Adjustable chair. 1,640,494; Aug. 30.
Fritzel, Hugo, Hamburg, Germany. Guide body for reaction rotors. 1,640,891; Aug. 30.
Fuller, Bert F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit-controlling apparatus. 1,640,542; Aug. 30.
Furber, Frederick M., deceased, Revere, Mass.; S. R. Cutler, administrator. Oil cup. 1,640,495; Aug. 30.
Furst, John S., Philadelphia, Pa. Lead-laying machine for pencils. 1,641,078; Aug. 30.
Gaillard, Madison W., Mobile, Ala. Automatic chisel hammer. 1,641,031; Aug. 30.
Gamble, Charles B., assignor of one-half to J. T. Lucas, Minneapolis, Minn. Gas-meter attachment. 1,641,079; Aug. 30.
Ganometer, Harry C., Cleveland Heights, Ohio. Pyrotechnic signal. 1,640,892; Aug. 30.
Gariglio, Joseph E., Brooklyn, N. Y. Safety attachment for washing machines. 1,641,080; Aug. 30.
Garland, Mather, assignor to Garland Ventilator Company, Chicago, Ill. Ventilating apparatus. 1,640,986; Aug. 30.
Garland Ventilator Company. (See Garland, Mather, assignor.)
Gartner, Gustav W., Maywood, Calif. Vehicle load scale. 1,640,930; Aug. 30.
Gaston, William, New York, N. Y. Golf-game apparatus. 1,640,699; Aug. 30.
Gautschy, Otto, et al. (See Schauman, Bror M., assignor.)
Gaudet, Ernest, Hyde Park, Mass. Mat. 1,641,029; Aug. 30.
Gebrüder Hardy Maschinenfabrik und Giesserei A. G. (See Rihosek, J., and Leuchter, assignors.)
Geiger, Eugen, Karlsruhe, Germany. Rotating endless screen belt for the mechanical purification of water. 1,640,653; Aug. 30.
Geldhof, Peter E., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Ironing-machine steam remover. 1,641,137; Aug. 30.
Geltan Company. (See Tullis, John K., assignor.)
General Dry Batteries, Incorporated. (See Delbel, C. P., and Waitt, assignors.)
General Electric Company. (See Barton, Frederick C., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Church, Frederic P., assignor.)
General Electric Company. (See De Jong, Hendrik, assignor.)
General Electric Company. (See Devers, Philip K., assignor.)
General Electric Company. (See Gerstmayer, Johann, assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Ihln, Alois, assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)

General Electric Company. (See Kowlton, Harry N., assignor.)
General Electric Company. (See Lawler, Frank P., assignor.)
General Electric Company. (See Ledig, W., and Asmussen, assignors.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hewlett, Edward M., assignor.)
General Electric Company. (See McFarland, Edward H., assignor.)
General Electric Company. (See Mershon, Alfred V., assignor.)
General Electric Company. (See O'Neil, James A., assignor.)
General Electric Company. (See Palueff, Konstantin K., assignor.)
General Electric Company. (See Rice, Chester W., assignor.)
General Electric Company. (See Skaupy, F., Pirani, and Felse, assignors.)
General Electric Company. (See Warren, Henry E., assignor.)
General Electric Company. (See Weldon, John J., assignor.)
General Electric Company. (See Weston, Frederick H., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Esterbrook, Edward T., assignor.)
General Motors Corporation. (See Hunt, Ormond E., assignor.)
General Motors Corporation. (See Main, Frank L., assignor.)
General Motors Corporation. (See Morrison, Joe W., assignor.)
General Motors Research Corporation. (See Boegehold, Alfred L., assignor.)
General Motors Research Corporation. (See Wallace, H., and Hunt, assignors.)
General Motors Research Corporation. (See Wallace, Hugh, assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
Gerhard, Karl F., Hatton, Wash. Duplex pump. 1,640,402; Aug. 30.
Gerke, Herman H. (See Schuster, D. O., and Gerke.)
Gerstmayr, Johann, Berlin, Germany, assignor to General Electric Company. Internal-combustion engine. 1,640,445; Aug. 30.
Gettner, Karl H., Detroit, Mich. Sash-regulating device. 1,640,931; Aug. 30.
Geyer, Harvey D., and A. W. Scott, assignors to The Inland Manufacturing Company, Dayton, Ohio. Locking steering wheel. 1,640,763; Aug. 30.
Gibb Instrument Company. (See Brueckner, Julius R., assignor.)
Gibbs, John W., Charleston, Ill. Weeder. 1,641,032; Aug. 30.
Gibson, George H., Montclair, N. J. Heating boiler feed water. 1,641,138; Aug. 30.
Gilmore, Benjamin V., Gauley Bridge, W. Va. Inner-tube boot. 1,640,403; Aug. 30.
Gleam Manufacturing Co. (See Cohn, Louis N., assignor.)
Gleim, Ferdinand, assignor to the Firm Wales Adding Machine Company, Schaffhausen, Switzerland. Carriage-moving mechanism for typewriters and adding machines. 1,640,764; Aug. 30.
Glennan, William S., Norfolk, Va. Freezing process. 1,641,139; Aug. 30.
Godshalk, Clarence A., Ardmore, assignor to A. H. Fox Gun Company, Philadelphia, Pa. Vehicle signaling device. 1,640,700; Aug. 30.
Goldsmith, Hugo, and W. A. Sonnett, assignors to The P. Goldsmith Sons Company, Cincinnati, Ohio. Football protective harness. 1,640,654; Aug. 30.
Goldsmith, P., Sons Company, The. (See Goldsmith, H. and Sonnett, assignors.)
Goldsworthy, William J., San Francisco, Calif. Golf practicing and training device. 1,640,765; Aug. 30.
Golladay, Lawrence R. (See Breisch, E. W., and Golladay.)
Gonder, Earl, Detroit, Mich. Vehicle signal. 1,640,496; Aug. 30.
Goodman Manufacturing Company. (See Farnham, Sidney W., assignor.)
Gordon, James C., assignor to Gordon Pagel Company, Detroit, Mich. Arch. 1,640,932; Aug. 30.
Gordon Pagel Company. (See Gordon, James C., assignor.)
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lantern. 1,640,446; Aug. 30.
Goss Printing Press Company. (See Brueshaber, Martin W., assignor.)
Gossard, H. W., Co., The. (See Cunningham, Katherine E., assignor.)
Gotch Stemming Machine Corporation. (See Cornwall, George R., assignor.)
Gould, Roy F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone system. 1,640,568; Aug. 30.
Goyen, Frank, et al. (See Donnelson, Blanche, assignor.)
Graffin, Lewis, Ocean View, assignor to Two-Season Process, Incorporated, Norfolk, Va. Heating system. 1,640,766; Aug. 30.
Gray, Christian H., London, England. Manufacture of hollow articles of rubber. 1,640,987; Aug. 30.
Green, Harold K., and J. W. Jennings, Providence, R. I. Vase. Des. 73,373; Aug. 30.
Greenleaf, George E., Plainfield, and H. L. Blood, North Plainfield, and R. H. Rausch, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Tool-operating mechanism. 1,640,767; Aug. 30.
Gries, Lester M., assignor of one-half to United Tool and Manufacturing Co. and one-half to Master Woodworker Manufacturing Co., Detroit, Mich. Floor-surfacing machine. 1,640,933; Aug. 30.
Gross, Moses, Fort Worth, Tex. Transportation container. 1,641,030; Aug. 30.
Grove, Rene D., Middletown, Pa. Animal toy. Des. 73,374; Aug. 30.
Grunwald, Albert C., River Forest, assignor to Precision Metal Workers, Chicago, Ill. Receptacle cover. 1,640,934; Aug. 30.
Gruse, William A. (See Faragher, W. F., and Gruse.)
Gudge, Benjamin J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bushing and forming the same. 1,640,543; Aug. 30.
Gulf Refining Company. (See Faragher, W. F., and Gruse, assignors.)
Gutberlet, Charles J., Philadelphia, Pa. Carry off. 1,640,768; Aug. 30.
Gutberlet, Charles J., Philadelphia, Pa. Telephone-record ticket pack. 1,640,769; Aug. 30.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rubber heel. 1,640,354; Aug. 30.
Haddow, Laurence, Colmor, N. Mex. Electric burglar alarm for motor vehicles. 1,640,603; Aug. 30.
Hagermann, George H., Muscatine, Iowa. Trap. 1,641,033; Aug. 30.
Halket, William, Holyoke, Mass. Pen and pencil clip. 1,640,498; Aug. 30.
Halket, William, and W. L. Van Valkenburg, Holyoke, Mass. Magazine clip. 1,640,497; Aug. 30.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermal-responsive switch mechanism and protective system employing the same. 1,640,447; Aug. 30.
Halliwell, Arthur, Denver, Colo. Combined lamp and supporting bracket for automobile fenders. Des. 73,375; Aug. 30.
Halliwell, John J., Tuckahoe, assignor, by mesne assignments, to R. Hoe and Co., Inc., New York, N. Y. Web-guiding mechanism for printing machines. 1,640,355; Aug. 30.
Halverson, Henry J., and W. H. Youngstrom, assignors to General Electric Company. Lighting unit. 1,640,448; Aug. 30.
Halverson, Henry J., and W. H. Youngstrom, assignors to New Business Corporation, Chicago, Ill. Savings bank. 1,640,569; Aug. 30.
Hamilton, Edward H., and L. W. Kirk, Midvale, Utah, assignors to United States Smelting, Refining & Mining Company, Boston, Mass. Feeding apparatus for pulverized material. 1,640,770; Aug. 30.
Hamilton, Maurice E., La Fayette, and R. R. Hopkins, West Lafayette, Ind., assignors to Automatic Straight Air Brake Company, Wilmington, Del. Air-brake apparatus. 1,640,499; Aug. 20.
Hannum, William A., Grand Lake, Colo. Grate. 1,640,771; Aug. 30.
Hanny, Charles E., Unionville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric safety device. 1,640,701; Aug. 30.
Hansen, Raymond, Cudahy, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Vulcanizing apparatus. 1,640,500; Aug. 30.
Hansen, Sinius M., assignor, by mesne assignments, to Victor Shoe Machinery Company, Lynn, Mass. Priming and vacuum tank. 1,640,404; Aug. 30.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Grinding wheel. 1,640,991; Aug. 30.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Method of and apparatus for grinding threaded members and the like. 1,640,992; Aug. 30.
Hanson, Bengt M. W., deceased, Hartford, Conn.; E. A. Hanson and C. E. Whitney, executors. Metal-working machine. 1,640,993; Aug. 30.
Hanson, Bengt M. W., deceased, Hartford, Conn., by E. A. Hanson and C. E. Whitney, executors. Metal-working machine. 1,640,994; Aug. 30.
Hanson, Einar A., et al., executors. (See Hanson, Bengt, M. W.)
Harber, Marie E., Richmond, Ky. Cleaning implement. 1,641,034; Aug. 30.
Hardesty, J. E., et al. (See Donnelson, Blanche, assignor.)
Hardin, Lewis H., Charlotte, N. C., assignor to Southern Electrical Equipment Co. Metal cross arm for supporting electric conductors. 1,640,828; Aug. 30.
Harding, Dana E., Melrose, assignor to Harding Engineering Company, East Boston, Mass. Marking machine. 1,641,082; Aug. 30.

Harding Engineering Company. (See Harding, Dana E., assignor.)
Harker, Oliver A., jr. (See Moore, Dorsey E., assignor.)
Harrington, John P., et al. (See Newton, Noel D., and J. A., assignors.)
Harsh, Melvin A. (See Edwards, Charles M., assignor.)
Hartford-Empire Company. (See Bunge, Julius H. O., assignor.)
Hartley, Henry J., New York, N. Y., E. J. Fowler, Redwood City, and D. Baird, Berkeley, Calif., assignors to Nichols Copper Company, New York, N. Y. Roasting furnace. 1,640,988; Aug. 30.
Hartline, John K., Albuquerque, N. Mex. Tester. 1,640,995; Aug. 30.
Hartman, Clifford C., and H. A. Welcher, Los Angeles, Calif. Mechanical movement. 1,640,655; Aug. 30.
Hartvig, John A., Chicago, and A. A. McLaurin, Forest Park, Ill. Hair curler. 1,640,893; Aug. 30.
Hatch, Alexander G., Farmington, assignor to The Sesamee Company, Hartford, Conn. Lock. 1,640,985; Aug. 30.
Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Display receptacle. 1,640,405; Aug. 30.
Hauber, Robert W., Bremerton, Wash. Combination square. 1,640,604; Aug. 30.
Hausman, Harris, Brooklyn, N. Y. Textile fabric. Des. 73,376; Aug. 30.
Hawkins, Roe C., Long Beach, Calif. Standing-valve pulled. 1,640,406; Aug. 30.
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition magneto. 1,640,986; Aug. 30.
Haseltine Corporation. (See Miller, Henry, assignor.)
Headley, William T., Philadelphia, Pa. Soapy emulsion of bitumen suitable for paving and making the same. 1,640,544; Aug. 30.
Heany, John A., New Haven, Conn. Incandescent electric lamp. 1,640,829; Aug. 30.
Heaton, Herman C., Berwyn, Ill. Brake. 1,640,545; Aug. 30.
Hebert, Henri, and J. A. Lambert, Montreal, Quebec, Canada. Shock absorber. 1,640,894; Aug. 30.
Hefter, David, et al. (See Ohlsson, Charles H., assignor.)
Hefter, Ray, et al. (See Ohlsson, Charles H., assignor.)
Heiniah, Hubert G., Huntington, W. Va. Fireplace. 1,640,987; Aug. 30.
Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Combination salt and pepper shaker. Des. 73,377; Aug. 30.
Heller, David, and A. C. Parlini, New York, N. Y. Fruit peeler. 1,640,656; Aug. 30.
Helmstein, Lars G. H. (See Collin, T., and Helmstein.)
Hemingway, Wilson, Jr., assignor to The Electrolock Manufacturing Company, Vicksburg, Miss. Ignition system and switch therefor. 1,641,140; Aug. 30.
Hennicke, Charles A., Buffalo, N. Y., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Door control. 1,640,989; Aug. 30.
Herbst, George F., Underhill, Wis. Automatic lubricating cup. 1,640,407; Aug. 30.
Hercules Motor Corporation. (See Nelson, O., and Lignell, assignors.)
Herman, Fred W. (See Laddon, I. M., Ring, and Herman.)
Hero, George A., New Orleans, La. Method of and apparatus for setting pipe or casing and preventing seepage and leakage in wells. 1,641,035; Aug. 30.
Hersberg, Wilhelm, Berlin-Wilmersdorf, and H. Ohlendorf, Berlin-Friedenau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main. Dyeing. 1,640,657; Aug. 30.
Hess, W. B., et al. (See Donnelson, Blanche, assignor.)
Hevea Corporation, The. (See Loomis, C. C., and Banks, assignors.)
Hewitt, Harold S., Brantford, Ontario, Canada. Ornament for radiators or motor cars. Des. 73,378; Aug. 30.
Hewlett, Edward M., Schenectady, N. Y., assignor to General Electric Company. Resistance line welding. 1,640,449; Aug. 30.
Heymann, Nathan, New Orleans, La. Rat guard. 1,641,061; Aug. 30.
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Hibbins, Thomas A., assignor to Stevenson Company, Wellsville, Ohio. Grinding pan for grinding machines for grinding clays, shales, and other dry and semidry materials. 1,640,772; Aug. 30.
Hieber, George E., assignor to The Concrete Surfacing Machinery Company, Cincinnati, Ohio. Power hammer. 1,640,570; Aug. 30.
Hills, Olive, Windsor, England. Hatband. 1,640,895; Aug. 30.
Hinton, George H., and T. W. Marsh, Reedville, Va. Removing and catching the scales of fish at traps. 1,640,990; Aug. 30.
Hirsch, Jacob, assignor to Royal Lamp Shade Co., Inc., New York, N. Y. Arm for a bridge lamp or the like. Des. 73,380; Aug. 30.
Hirsch, Jacob, assignor to Royal Lamp Shade Co., Inc., New York, N. Y. Arm for a bridge lamp or the like. Des. 73,380; Aug. 30.
Hite, Frank D., Minneapolis, Minn. Tire tool. 1,641,083; Aug. 30.
Hodes, David H., New York, N. Y. Coat lining. 1,640,501; Aug. 30.
Hodgson, Harriette E., New York, N. Y. Porch fire escape. 1,640,702; Aug. 30.
Hoe, R., and Co. (See Halliwell, John J., assignor.)
Hoff, Martin, Frankfort-on-the-Main, assignor to Kaspar Getreideschälmaschine G. m. b. H., Offenbach-on-the-Main, Germany. Machine for shelling and polishing grain and the like. 1,640,996; Aug. 30.
Hoffman, Alfred, W., New York, N. Y. Tabular calculator. 1,640,703; Aug. 30.
Hollister, Solomon C., Swarthmore, assignor to J. H. McClatchy, Philadelphia, Pa. Form work for casing walls and the like. 1,640,997; Aug. 30.
Holmes, Bradford B., New York, N. Y. Air spring. 1,640,896; Aug. 30.
Honigmann, Ludwig, Bichlerhof, Bad Tolz, and F. Bartling, Munich, Germany. Distillation and coking of carbonaceous materials. 1,640,502; Aug. 30.
Hopkins, Raymond R. (See Hamilton, M. E., and Hopkins.)
Hosch, Greene C. (See Wheeler, J. L., and Hosch.)
House, John W., Corsicana, Tex. Standing valve. 1,640,408; Aug. 30.
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,640,503; Aug. 30.
Houston, William, Haverhill, Mass. Pie-plate attachment. 1,640,409; Aug. 30.
Howard, Frank A., and N. E. Loomis, Elizabeth, N. J., assignors to Standard Development Company. Distilling oils. 1,640,988; Aug 30.
Howe, James M., Cleveland Heights, assignor to The Murray Manufacturing Company, Cleveland, Ohio. Bearing mechanism. 1,640,356; Aug. 30.
Howe, James M., Cleveland Heights, assignor to The Murray Products Company, Cleveland, Ohio. Juvenile vehicle. 1,640,357; Aug. 30.
Howe, James M., Cleveland Heights, assignor to The Murray Products Company, Cleveland, Ohio. Dumping mechanism for vehicles. 1,640,358; Aug. 30.
Howe, Winthrop K., assignor, by mesne assignments, to General Railway Signal Company, Rochester, N. Y. Clothes wringer for washing machines. 1,640,773; Aug. 30.
Hudson Motor Car Company. (See Koppin, Alfred O., assignor.)
Humphrey, Henry H., St. Louis, Mo. Fuel economizer for internal-combustion engines. 1,640,571; Aug. 30.
Hunt, Alex R., San Francisco, Calif. Traffic marker. 1,640,830; Aug. 30.
Hunt, Andrew M., assignor to Standard Stoker Company, Incorporated, New York, N. Y. Conveyer for stokers. 1,640,704; Aug. 30.
Hunt, John H. (See Wallace, H., and Hunt.)
Hunt, John H., and H. Wallace, Dayton, assignors, by mesne assignments, to Delco-Remy Corporation, Dayton, Ohio. Hand-pump pressure burner. 1,640,774; Aug. 30.
Hunt, Ormond E., assignor to General Motors Corporation, Detroit, Mich. Cowl light. 1,640,831; Aug. 30.
Hunter, Joseph H., assignor to Detroit Insulated Wire Company, Detroit, Mich. Machine for forming armored insulated conductors. 1,640,939; Aug. 30.
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
Hydraulic Steel Company, The. (See Culhane, Patrick J., jr., assignor.)
Hydraulic Steel Company, The. (See Irish, William E., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hersberg, W. and Ohlendorf, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kropp, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Petzold, G., and Rittner, assignors.)
Ihln, Alois, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Arc light. 1,640,450; Aug. 30.
Inland Manufacturing Company, The. (See Geyer, H. D., and Scott, assignors.)
Inman, Ira I., Hartford City, Ind. Fastening or sealing device for burial caskets. 1,640,410; Aug. 30.
Innes, William R. D., Melbourne, Victoria, and M. S. Stanley, Adelaide, South Australia, assignors to James Bell & Co. Proprietary Limited, Melbourne, Victoria, Australia. Construction of reenforced concrete floors. 1,641,084; Aug. 30.
International Combustion Engineering Corporation. (See Wiebe, Sigurd J. A., assignor.)
International Motor Company. (See Leipert, August H., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Patents Development Company. (See Newkirk, William B., assignor.)
International Silver Company. (See Leech, John, assignor.)
Interstate Folding Box Company, The. (See Bergstein, S., and Lindner, assignors.)
Irish, William E., assignor to The Hydraulic Steel Company, Cleveland, Ohio. Rivet heater. 1,641,085; Aug. 30.

Irwin, Henry H., Greenville, S. C. Glare shield 1,640,897; Aug. 30.
Isaacs, Mark, Minneapolis, Minn. Ground anchor. 1,640,504; Aug. 30.
Isenhart, Edwin A. (See Isenhart, John, and E. A., and Johnson.)
Isenhart, John and E. A., and W. E. Johnson, Wenatchee, Wash. Spray-forming device. 1,640,546; Aug. 30.
Jachimstal, Fred, Manitowoc, Wis. Hinge for storm sashes. 1,641,036; Aug. 30.
Jacks, Sylvanus O., Sacramento, Calif. Covered indicating chance disk game. 1,640,998; Aug. 30.
Jackson, Fred J., Minneapolis, Minn. Jack. 1,640,411; Aug. 30.
Jacobowitz, Adolf, Nuremberg, Germany. High-speed friction saw. 1,640,832; Aug. 30.
Jacobs, Isidor M. (See Cramer, William, assignor.)
Jaeger, Max, assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Hermetic seal and making same. 1,640,940; Aug. 30.
Jagdmann, Karl E. W., Stockholm, Sweden. Applying mortar to hollow bricks. 1,640,658; Aug. 30.
James, William, et al. (See Meyer, Svend M., assignor.)
Jennings, James W. (See Green, H. K., and Jennings.)
Jensen, Josef E., Frederiksberg, near Copenhagen, Denmark. Manufacturing floor slabs and the like of cork and similar materials. 1,640,659; Aug. 30.
Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph record. 1,641,142; Aug. 30.
Johnson, Charles A., Unionville, Conn. Threading tool. 1,640,941; Aug. 30.
Johnson, Charles A., Unionville, Conn. Threading tool. 1,640,942; Aug. 30.
Johnson, Ernest S., Webster City, Iowa. Awning structure. 1,640,660; Aug. 30.
Johnson, Frank K., Chicago, Ill. Row-boat motor. 1,640,999; Aug. 30.
Johnson, Granlin V., et al. (See Schauman, Bror M., assignor.)
Johnson, Harry W., et al. (See Schauman, Bror M., assignor.)
Johnson, Harvey L., assignor to American Locker Company, Chicago, Ill. Coin-controlled lock. 1,640,605; Aug. 30.
Johnson, John E. (See Oslund, C. H., and Johnson.)
Johnson, William E. (See Isenhart, John and E. A., and Johnson.)
Johnson, William S. (See Ferguson, Carl J., assignor.)
Jolly, James, Bolton, England, assignor to Whitin Machine Works, Whitinsville, Mass. Combing machine. 1,640,705; Aug. 30.
Jones, Maurice F. (See Riley, L. G., Candee, and Jones.)
Joslin, Lydia E., Los Angeles, Calif. Eraser cleaner. 1,641,000; Aug. 30.
Joyce, Bryan P., Davenport, Iowa. Packing ring. Re16,725; Aug. 30.
Joyce, Bryan P., Davenport, Iowa. Liquid-level gauge. 1,640,606; Aug. 30.
Judelshon, Oscar L., Park Ridge, N. J. Fabric-cutting machine. 1,640,833; Aug. 30.
Juhasz Carbureter Corporation. (See Juhasz, John, assignor.)
Juhasz, John, assignor to Juhasz Carbureter Corporation, New York, N. Y. Carburetor. 1,640,412; Aug. 30.
Julian & Kokenge Company, The. (See Wilke, John M., sr., assignor.)
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. 1,640,451; Aug. 30.
Kallbeck, John A., San Francisco, Calif. Fluid-operated motor. 1,641,001; Aug. 30.
Kaplan, Louis M., Philadelphia, Pa. Thermostatic-control electrical heater plug. 1,641,002; Aug. 30.
Kaspar Getreideschälmaschine G. m. b. H. (See Hoff, Martin, assignor.)
Kass, Samuel M., Philadelphia, Pa. Immersible water heater. 1,640,943; Aug. 30.
Kearns, John, assignor to The Lee Tire & Rubber Co., Conshohocken, Pa. Machine for treating rubber. 1,640,834; Aug. 30.
Keenan, James W., Farmington, Mich. Combined muffler and heater. 1,641,086; Aug. 30.
Keilding, Einar, Birkerod, and J. Keilding, Charlottenlund, Denmark. Production of complex aurothiosulphate compounds. 1,640,775; Aug. 30.
Keilding, Johannes. (See Keilding, Einar and J.)
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kellogg Switchboard and Supply Company. (See Stazak, Michael B., assignor.)
Kellykoudas, Ernest. (See Russell, Philip J., assignor.)
Kendall, Ira H., Potsdam, N. Y., assignor to Manning Manufacturing Company, Rutland, Vt. Jet-washing machine. 1,640,835; Aug. 30.
Kennedy, John J., and T. W. Stene, Los Angeles, Calif. Burglar-catching and cashier-protective apparatus. 1,640,572; Aug. 30.
Kepler, George W., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,640,836; Aug. 30.
Keystone Mfg. Co. (See Marks, Isidore, assignor.)
Kidder, Imogene, Portland, Oreg. Candy box. Des. 73,381; Aug. 30.
Kidder, Imogene, Portland, Oreg. Candy box. Des. 73,382; Aug. 30.
Kincaid, Charles W., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Variable-speed induction-motor set. 1,640,547; Aug. 30.
Kinney, Norton W., assignor to Slipper City Wood Heel Company, Haverhill, Mass. Wood-heel marker. 1,640,359; Aug. 30.
Kirk, Leotis W. (See Hamilton, E. H., and Kirk.)
Kirschenbaum, Isaac, New Brunswick, N. J. Steaming brush. 1,641,037; Aug. 30.
Kirscbom, Gustaf N., Salt Lake City, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me. Controlling evolutions of elemental sulphur. 1,640,837; Aug. 30.
Kitley, Clyde, Berkeley, Calif. Dental-floss holder. 1,640,607; Aug. 30.
Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)
Kliewer, Edward A., Oiden, Tex. Fire extinguisher for oil and gas wells. 1,640,838; Aug. 30.
Kliewer, Edward A., Tulsa, Okla., assignor of 24 per cent to F. G. Lippitt, one thirty-second to J. W. Castleman, and one-sixteenth to W. David Brechenridge, Tex. Fire extinguisher for oil wells. 1,640,839; Aug. 30.
Klimek, Gustav A., East Rutherford, N. J., assignor to Turbine Patents Corporation, New York, N. Y. Hydraulic-power transmitter. 1,640,608; Aug. 30.
Knapé, Charles N. F., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Link-drive mechanism. 1,640,548; Aug. 30.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Dome-light bezel. Des. 73,383; Aug. 30.
Knapp, Raleigh T., Rochester, N. Y., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,641,087; Aug. 30.
Kneber, John G. (See Muller, Otto, assignor.)
Knowlton, Harry N., St. Paul, Minn., assignor to General Electric Company. Packing case. 1,640,452; Aug. 30.
Koch, William, et al. (See Schauman, Bror M., assignor.)
Kokes, L. V., et al. (See Criner, Harry J., assignor.)
Könicke, Hildegard M. G., assignor to E. K. A. Voigt, Hamburg, Germany. Ornamental foot covering. 1,640,898; Aug. 30.
Koppin, Alfred O., assignor to Hudson Motor Car Company, Detroit, Mich. Rod clamp and clevis. 1,641,038; Aug. 30.
Kotler, Moses G., Boston, Mass. Theft-preventing bolt. 1,640,840; Aug. 30.
Kraus, Joseph A., St. Louis, Mo. Can-puncturing device. 1,640,595; Aug. 30.
Kraus, Morris F., Chicago, Ill., assignor to M. Perciabosco and J. Rosinia, Coin detector. 1,640,453; Aug. 30.
Kropp, Walter, Elberfeld, near Cologne-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of condensation products of crotonaldehyde. 1,640,899; Aug. 30.
Kucera, Peter, assignor to Capstan Glass Company, Connellsville, Pa. Method and apparatus for regulating glass machines. 1,640,944; Aug. 30.
Kuhlhoff, Henry O., Euclid, assignor to The Continental Products Company, Cleveland, Ohio. Painting machine. 1,640,776; Aug. 30.
Kuhlhoff, Henry O., assignor to The Continental Products Company, Euclid, Ohio. Road marker. 1,640,777; Aug. 30.
Kühn, Ernst K., Delhi, Ill. Attachment for handlebars. 1,640,454; Aug. 30.
Kupfer Bros. Co. (See Lewin, Arthur, assignor.)
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,640,841; Aug. 30.
Kurtz, Benjamin F., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Coupling-pin retainer. 1,640,413; Aug. 30.
L. G. S. Devices Corporation. (See Starkey, William C., assignor.)
La Beaud, Hallie, New York, N. Y. Shower shawl. 1,641,039; Aug. 30.
Laddon, Isaac M., W. A. Ring, and F. W. Herman, Dayton, Ohio, assignors to Bendix Brake Company, Chicago, Ill. Reenforced wheel. 1,640,573; Aug. 30.
Laher, Frank J., Portland, Oreg., Vehicle spring. 1,640,778; Aug. 30.
Laher, Frank J., Portland, Oreg. Luggage carrier for automobiles. 1,640,779; Aug. 30.
Laher, Frank J., Portland, Oreg. Shock absorber. 1,640,780; Aug. 30.
Lake, Fred L., Dallas, Tex. Flexible hand stamp. 1,640,414; Aug. 30.
Lamb, Charles R., New York, N. Y. Mural decoration. 1,640,781; Aug. 30.
Lamb, Morris C., Bermondsey, London, England, assignor to Rohm & Haas Company, Inc., Philadelphia, Pa. Treating of leather. 1,640,706; Aug. 30.
Lambert, Joseph A. (See Hebert, H., and Lambert.)
Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gyroscopic stabilizer system. 1,640,549; Aug. 30.
Lane, Munson H. (See Carson, Clark, assignor.)
Lang, George W., Litchfield, Nebr. Can spout. 1,641,003; Aug. 30.

Langston, Robert E., assignor to Wayne Company, Fort Wayne, Ind. Apparatus for purifying used mineral lubricating oil. 1,640,415; Aug. 30.
La Rocco, Michael, Chicago, Ill. Shading lens. 1,640,661; Aug. 30.
Larsh, Everett P., Dayton, Ohio. Short circuiter. 1,640,900; Aug. 30.
Lattimer, James. (See Leon, A., and Lattimer.)
Laughlin Filter Corporation. (See Laughlin, William C., assignor.)
Laughlin, William C., Glendale, Calif., assignor to Laughlin Filter Corporation, New York, N. Y. Machine for separating solids from liquids or liquids from liquids. 1,640,707; Aug. 30.
Laury, Napoleon A., Rockville Center, N. Y. Producing zinc carbonate. 1,640,708; Aug. 30.
Lawler, Frank P., San Francisco, Calif., assignor to General Electric Company. High-tension switch. 1,640,455; Aug. 30.
Lawler, Frank P., San Francisco, Calif., assignor to General Electric Company. High-tension switch. 1,640,456; Aug. 30.
Lawler, Frank P., San Francisco, Calif., assignor to General Electric Company. High-tension switch. 1,640,457; Aug. 30.
Lawrence, William E. (See Neiderehe, G., and Lawrence.)
Lechler, Paul. (See Metzger, Robert, assignor.)
Ledbetter, James C., Brooklyn, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc. Power press. 1,640,609; Aug. 30.
Ledig, Willy, and H. Asmussen, Berlin, Germany, assignors to General Electric Company. Apparatus for unfitting tubing. 1,640,458; Aug. 30.
Lee, Nixon, Brooklyn, N. Y. Window regulator. 1,640,459; Aug. 30.
Lee Tire & Rubber Co., The. (See Kearns, John, assignor.)
Leech, John, Bridgeport, assignor to International Silver Company, Meriden, Conn. Spoon or similar article. Des. 73,384; Aug. 30.
Leffert, Charles B., assignor to United States Tent & Awning Company, Chicago, Ill. Luggage carrier for automobiles. 1,640,360; Aug. 30.
Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Dispensing faucet. 1,640,945; Aug. 30.
Leibing, William E., Oakland, assignor to Magnus Fruit Products Co., San Francisco, Calif. Apparatus for cubing sliced material. 1,640,951; Aug. 30.
Leipert, August H., College Point, assignor to International Motor Company, New York, N. Y. Paving block. 1,640,460; Aug. 30.
Lentz, Hugo, Berlin, Germany. Automatic closure for collapsible tubes or the like. 1,640,782; Aug. 30.
Leon, Anthony, and J. Lattimer, Worcester, Mass. Ice-cream-cone storing and dispensing device. 1,641,040; Aug. 30.
Leopold, Joseph, New York, N. Y. Water turbine. 1,640,783; Aug. 30.
Leuchs, Friedrich, Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Antispasmodic. 1,640,506; Aug. 30.
Leuchter, Richard L. (See Rihosek, J., and Leuchter.)
Lewin, Arthur, assignor to Kupfer Bros. Co., New York, N. Y. Wrapping paper. Des. 73,385; Aug. 30.
Lewin, Tannie, assignor of one-half to W. Lewin, St. Louis, Mo. Smelting furnace. 1,640,574; Aug. 30.
Lewin, William. (See Lewin, Tannie, assignor.)
Lidseen, Gustave, Chicago, Ill. Oil can. 1,641,088; Aug. 30.
Liebing, Howard C., Cleveland, Ohio, assignor, by mesne assignments, to The Cuno Engineering Corporation, Meriden, Conn. Combined trouble light and cigar lighter. 1,640,507; Aug. 30.
Lieske, Rudolf, Leverkusen, near Cologne, W. Schulemann, Vohwinkel, near Elberfeld, and W. Bonrath, Leverkusen, near Cologne, Germany, assignors, by mesne assignments, to Winthrop Chemical Company, New York, N. Y. Disinfecting agent. 1,640,901; Aug. 30.
Lightfoot, Edwin N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Making electric heaters. 1,640,361; Aug. 30.
Lignell, Peter. (See Nelson, O., and Lignell.)
Lincoln Motor Company. (See Litle, Thomas J., jr., assignor.)
Lindner, Arthur C. E. (See Bergstein, S., and Lindner.)
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Lippitt, F. G., et al. (See Kliewer, Edward A., assignor.)
Lipschutz, George, Philadelphia, Pa. Electric-light fixture. Des. 73,386; Aug. 30.
Litle, Thomas J., jr., Detroit, Mich., assignor, by mesne assignments, to Lincoln Motor Company. Hydrocarbon vaporizing device for starting motors. 1,640,902; Aug. 30.
Little, Donald G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Carrier-current signaling system. 1,640,550; Aug. 30.
Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed-weaving machine. 1,640,610; Aug. 30.
Lloyd, Marshall B., Menominee, Mich., assignor to Heywood-Wakefield Company, Boston, Mass. Reed braid. 1,640,946; Aug. 30.
Lobl, Frederick, Middleboro, Mass. Stopper or closure for containers. 1,640,508; Aug. 30.
Lockhart, James A., Revere, Mass. Automatic shut-off. 1,640,947; Aug. 30.
Loomis, Chauncey C., Yonkers, N. Y., and H. W. Banks 3d, Noroton, Conn., assignors to The Hevea Corporation, New York, N. Y. Footwear. 1,640,948; Aug. 30.
Loomis, Evarts, G., Newark, N. J. Block press. 1,640,949; Aug. 30.
Loomis, Nathaniel E. (See Howard, F. A., and Loomis.)
Loomis, Walter A., Los Angeles, Calif. Volume control. 1,640,842; Aug. 30.
Lorenz, Frank D. (See Morin, P., and Lorenz.)
Lorenzen, Christian, Berlin, Germany, assignor to Lorensen-Turbinen Aktiengesellschaft, Bern, Switzerland. Turbine and rotary compressor. 1,640,784; Aug. 30.
Lorenzen-Turbinen Aktiengesellschaft. (See Lorenzen, Christian, assignor.)
Lowe, Edward L., Palo Alto, assignor to J. W. Clune Co., Los Angeles, Calif. Fuel-pumping mechanism for internal-combustion engines. 1,640,509; Aug. 30.
Lowry, George A., assignor to Fabricord Incorporated, trustee, New York, N. Y. Flax-cleaning machine. 1,640,461; Aug. 30.
Lubowsky, Simon J., Brooklyn, N. Y., assignor to Metal & Thermit Corporation, Carteret, N. J. Transforming titanium-dioxide or rutile and a product thereof. 1,640,952; Aug. 30.
Lucas, John T. (See Gamble, Charles B., assignor.)
Lucke, Charles E., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,640,950; Aug. 30.
Lundberg, Everett E., assignor to Briggs Manufacturing Company, Detroit, Mich. Adjustable dovetail construction. 1,640,953; Aug. 30.
Lütschen, Ewald, Munich, Germany. Drying cylinder for paper machines and textile goods drying machines. 1,640,662; Aug. 30.
MacDonald, Donald J., Cambridge, Mass. Pile truss. 1,640,416; Aug. 30.
Mach, Charles J., Mifflin Township, Allegheny County, Pa. Moving-target game. 1,640,954; Aug. 30.
MacPherson, John H., McKeesport, Pa. Vehicle lamp. 1,641,041; Aug. 30.
Magill, Charles E., assignor to The Aluminum Company of America, Cleveland, Ohio. Mold for casting metals. 1,640,843; Aug. 30.
Magnus Fruit Products Co. (See Leibing, William E., assignor.)
Magor Car Corporation. (See Magor, Robert J., assignor.)
Magor, Robert J., Montreal, Quebec, Canada, assignor to Magor Car Corporation, New York, N. Y. Partitionless cane car. 1,640,785; Aug. 30.
Maheras, Costas J., Boston, Mass. Agricultural cultivator and weed cutter. 1,640,786; Aug. 30.
Mahler, John J, New York, and H. D. Webb, Rochester, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 1,640,362; Aug. 30.
Mahoney, Anna B., Vacaville, Calif. Shoulder strap holder for armpit shields. 1,641,004; Aug. 30.
Main, Frank L., Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich. Pneumatic tire. 1,640,844; Aug. 30.
Mallard, Logan L., Norfolk, Va. Clock. Des. 73,387; Aug. 30.
Manning Manufacturing Company. (See Kendall, Ira H., assignor.)
Mansel, Paul, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Machine for recording time. 1,640,955; Aug. 30.
Manufacturing Improvement Corporation. (See Brown, C. A. and Esselen, assignors.)
Marasso, Fred, Joliet, Ill. Wrapping machine. 1,641,042; Aug. 30.
Marconi, Charles, Brooklyn, N. Y. Bed-spring brace. 1,640,956; Aug. 30.
Marconi, Giuseppe, Genoa, Italy. Photo-printing press. 1,640,510; Aug. 30.
Marks, Isidore, Dorchester, assignor to Keystone Mfg. Co., Boston, Mass. Pumping-engine truck. 1,640,417; Aug. 30.
Marr, Earl, assignor to Marr Oil Heat Machine Corporation, Minneapolis, Minn. Oil burner. 1,640,418; Aug. 30.
Marr Oil Heat Machine Corporation. (See Marr, Earl, assignor.)
Marsh, Thomas W. (See Hinton, G. H., and Marsh.)
Martin, Otis M., and C. M. Webster, Detroit, Mich. Coloring letters or figures impressed in metal tags, badges, etc. 1,640,787; Aug. 30.
Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Automatic telephone systems. 1,640,551; Aug. 30.
Mascho, James A., Dallas, Tex. Fusible boiler-check plug. 1,640,611; Aug. 30.
Massey, Alexander J., Los Angeles, Calif. Traffic signal. 1,640,845; Aug. 30.
Master Woodworker Manufacturing Co., et al. (See Gries, Lester M., assignor.)
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Vibration dampener. 1,640,788; Aug. 30.

Mathes, Robert C., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,640,462; Aug. 30.
Matthiessen, Anton, Oakland, Calif. Ventilator. 1,640,575; Aug. 30.
Mauthe, James L., Elyria, Ohio. Splasher plate for blast furnaces. 1,640,663; Aug. 30.
McCabe, Ira E. (See Armstrong, R. W., and McCabe.)
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,640,419; Aug. 30.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,640,789; Aug. 30.
McCauley, Reginald A., Dorchester, assignor to Samuel Ward Manufacturing Company, Boston, Mass. Covering machine. 1,640,903; Aug. 30.
McClain, James C., Falls City, Nebr. Attachment for internal-combustion engines. 1,640,790; Aug. 30.
McClatchy, John H. (See Hollister, Solomon C., assignor.)
McFadden, Glenn E., Kansas City, Mo. Chandelier or similar article. Des. 73,388; Aug. 30.
McFarland, Edward H., Power, W. Va., assignor to General Electric Company. Protective means for turbine bearings. 1,640,463; Aug. 30.
McGavack, John, Elmhurst, N. Y., assignor to The Revere Rubber Company, Chelsea, Mass. Preparing rubber-containing plastics and products obtained thereby. 1,640,363; Aug. 30.
McGavack, John, Jackson Heights, N. Y., assignor to Revere Rubber Company, Chelsea, Mass. Preparing rubber-containing plastics and products obtained thereby. 1,640,364; Aug. 30.
McGinley, Peter, Newark, Ohio. Railway-rail joint. 1,640,791. Aug. 30.
McGregor, Ernest T., Vancouver, British Columbia, Canada. Process for the recovery of pulp from printed waste paper. 1,640,612; Aug. 30.
McKee, Ralph H., New York, N. Y. Making alkyl sulphates. 1,641,005; Aug. 30.
McLaurin, Arthur A. (See Hartvig, J. A., and McLaurin.)
McMillen, Albert K., assignor to Central Tube Company, Pittsburgh, Pa. Roll-off plate. 1,640,957; Aug. 30.
Measuregraph Company, The. (See Wheeler, J. L., and Hosch, assignors.)
Mechling, William W., Butler, Pa. Metal railroad tie. 1,640,846; Aug. 30.
Mershon, Alfred V., Schenectady, N. Y., assignor to General Electric Company. Electric michometer. 1,640,464; Aug. 30.
Merz, George, Fergus Falls, Minn. Lubricating-oil can. 1,640,511; Aug. 30.
Metal Forms Corporation. (See Trester, Herault A., assignor.)
Metal Products Company. (See Cocks, Harry J., assignor.)
Metal & Thermit Corporation. (See Lubowsky, Simon J., assignor.)
Metz, Gustave P., Brooklyn, N. Y. Medicinal agent adapted for glandular therapy. 1,640,709; Aug. 30.
Metzger, Myer, Chicago, Ill. Tire-display holder. 1,640,792; Aug. 30.
Meyer, Svend M., Brooklyn, assignor, by mesne assignments, of thirteen fortieths to S. M. Meyer, Woodhaven, and twenty-seven fortieths to W. James, Brooklyn, N. Y. Hand arc lamp. 1,640,793; Aug. 30.
Mezger, Robert, assignor to P. Lechler, Stuttgart, Germany. Sealing materials for gasometers. 1,641,089; Aug. 30.
Michael, George W., Wilkes-Barre, Pa. Automobile signal. 1,640,794; Aug. 30.
Miller, Henry, Newark, assignor to Hazeltine Corporation, Jersey City, N. J. Electron-emitting cathode and preparing the same. 1,640,710; Aug. 30.
Miller, John J. A., Denver, Colo. Carburetor. 1,640,711; Aug. 30.
Miller, John S., jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Waterproof fabric and its manufacture. 1,640,795; Aug. 30.
Miller, John S., jr., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Plastic floor and bearing therefor. 1,640,796; Aug. 30.
Miller, Lawrence P., Philadelphia, Pa. Resilient wheel. 1,640,613; Aug. 30.
Miller, Mary A., Lancaster, Pa. Support for baking crusts. 1,641,090; Aug. 30.
Minck, Paul, Petersdorf, Germany. Electrically-driven spinning centrifugal apparatus. 1,641,091; Aug. 30.
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minnesota Specialty Company, The. (See Wulfing, Daniel J., assignor.)
Mitchell, John E., St. Louis, Mo. Cotton extracting and cleaning machine. 1,640,420; Aug. 30.
Mitchell, William F., Passaic, N. J. Locomotive-lubricator sight. 1,640,512; Aug. 30.
Möbus, Wilhelm, Dusseldorf, Germany. Cutting and work-treating machine. 1,640,513; Aug. 30.
Monroe, William S., assignor to Sargent & Lundy, Chicago, Ill. Condenser-tube nipple and mounting. 1,640,576; Aug. 30.
Moore, Charles S., Grand Rapids, Mich. Extension-drawer support. 1,640,664; Aug. 30.
Moore, Dorsey E., Bruceton, assignor of one-half to O. A. Harker, jr., Puryear, Tenn. Fire-box arch. 1,641,043; Aug. 30.
Moran, Robert C., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acceleration of gelatinization of cellulose nitrate. 1,640,712; Aug. 30.
Morgan, Norris G., Galva, Ill. Grading apparatus. 1,640,365; Aug. 30.
Morin, Phyrne, and F. D. Lorenz, Burlingame, Calif. Shipping box and holder for flowers and the like. 1,640,797; Aug. 30.
Morrison, Frank B., assignor to The Power Manufacturing Company, Marion, Ohio. Governor. 1,640,713; Aug. 30.
Morrison, Joe W., Washington, D. C., assignor to General Motors Corporation, Detroit, Mich. Engine-starting apparatus. 1,640,714; Aug. 30.
Morse, Edward J. (See Dawson, Sidney, assignor.)
Morse, Lawrence H., assignor to The American Multigraph Company, Cleveland, Ohio. Paper detector for printing machines. 1,640,366; Aug. 30.
Morton, Allen W., Baltimore, Md. Face-grinding machine. 1,640,715; Aug. 30.
Motor Wheel Corporation. (See Winter, John R., assignor.)
Moutier, Ernest A., Paris, France. Brake for railway trains. 1,641,092; Aug. 30.
Mulder, Jentje, Detroit, Mich. Timing device. 1,640,716; Aug. 30.
Müller, Ferdinand C. H., assignor to The Findlay Electric Porcelain Company, Findlay, Ohio. Press for forming plastic materials. 1,640,514; Aug. 30.
Muller, Otto, assignor of one-half to J. G. Kneher, Richmond Hill, N. Y. Banding machine. 1,640,465; Aug. 30.
Munn, Ralph T., Melrose Highlands, Mass. Rim tool. Re16,726; Aug. 30.
Murdock, S. D. (See Burke, H. C., and Friberg, assignors.)
Murphy, Peter J., New York, N. Y. Window portal. 1,641,044; Aug. 30.
Murray Manufacturing Company, The. (See Howe, James M., assignor.)
Murray, Thomas E., jr. (See Blackwood, William C., assignor.)
Murray, Thomas E., jr., Brooklyn, N. Y. Electric welding. 1,640,798; Aug. 30.
Muscente, Fausto A., Providence, R. I. Flapping-shoe-ornament holder. 1,640,665; Aug. 30.
Naamlooze Vennootschap Kamatec. (See Stuivenberg, Cornelis H., assignor.)
National Automatic Tool Company, The. (See Burton, Paul C., assignor.)
National Carbon Company. (See Reich, Edwin J., assignor.)
National Cash Register Company, The. (See Dement, Isaac S., assignor.)
National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)
Neilson, Albert H., Tulsa, Okla. Multiple sucker-rod socket. 1,640,847; Aug. 30.
Nelson, John H., Chicago, Ill., assignor to H. A. Douglas, Bronson, Mich. Electric switch. 1,640,614; Aug. 30.
Nelson, Otto, and P. Lignell, assignors to Hercules Motor Corporation, Chicago, Ill. Internal-combustion engine. 1,640,958; Aug. 30.
Nelson, Verner A., Oakland, Calif. Internal-combustion engine. 1,640,552; Aug. 30.
New Business Corporation. (See Halverson, H. J., and Youngstrom, assignors.)
New Way Harvester Company. (See Christiansen, Christian, assignor.)
Newkirk, William B., Riverside, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of large-grained dextrose. 1,640,717; Aug. 30.
Newton, James A. (See Newton, Noel D. and J. A.)
Newton, Noel D. and J. A., assignors of one-fourth to J. P. Harrington, Winchester, and one-fourth to P. S. Seamans, McGehee, Ark. Tractor attachment. 1,641,006; Aug. 30.
Nicholas Copper Company. (See Hartley, H. J., Fowler, and Baird, assignors.)
Nickum, Walter D., Los Angeles, Calif. Brake. 1,640,367; Aug. 30.
Niederehe, Gustave, and W. E. Lawrence, Brooklyn, N. Y. Limit governor for internal-combustion engines. 1,640,615; Aug. 30.
Niemi, Isaac, Minneapolis, Minn. Scraper. 1,641,007; Aug. 30.
Niles-Bement-Pond Company. (See Deale, Robert C., assignor.)
Niles-Bement-Pond Company. (See Greenleaf, G. E., Blood, and Rausch, assignors.)
Niles-Bement-Pond Company. (See Parkes, Albert W., assignor.)
Nissen, Niels. (See Scoggin, Charles W., assignor.)
Nobl, Ronald B., Spokane, Wash. Bearing puller. 1,640,904; Aug. 30.
Norris, William F., Kansas City, Mo. Combination teeter-totter and merry-go-round. 1,640,848; Aug. 30.
Norsworthy, Arthur C., jr., Newport News, Va. Process and apparatus for bleaching peanuts. 1,640,849; Aug. 30.

Northrup, Edwin F., near Princeton, assignor to Ajax Electrothermic Corporation, Trenton, N. J. Air-cooled inductor coil. 1,640,799; Aug. 30.
O & J Machine Company. (See Oslund, C. H., and Johnson, assignors.)
Obetz, Guy U., and R. F. Walter, assignors to United States Asbestos Company, Manheim, Pa. Asbestos rope or wick package. 1,640,368; Aug. 30.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,421; Aug. 30.
O'Connor, John F., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock-absorbing mechanism. 1,640,422; Aug. 30.
Oetzen, Ernest A., assignor to Sumner Iron Works, Everett, Wash. Lumber carrier. 1,640,718; Aug. 30.
O'Flynn, John D., Vancouver, British Columbia, Canada. Newspaper vendor. 1,640,666; Aug. 30.
O'Hara, Eliot, assignor to O'Hara Waltham Company, Waltham, Mass. Attachment for steel die and plate presses. 1,640,553; Aug. 30.
O'Hara Waltham Company. (See O'Hara, Eliot, assignor.)
O'Heir, Octavian G. I., Lowell, Mass. Shirt attachment. 1,641,008; Aug. 30.
Ohlendorf, Heinrich. (See Herzberg, W., and Ohlendorf.)
Ohlsson, Charles H., assignor to D. and R. Hefter, New York, N. Y., composing the Firm of Hefter Company. Web notching and blanking mechanism for outside covers. 1,640,466; Aug. 30.
Ohlsson, Charles H., assignor to D. and R. Hefter, New York, N. Y., composing the Firm of Hefter Company, Gluing machine. 1,640,467; Aug. 30.
Ohlsson, Charles H., assignor to D. and R. Hefter, New York, N. Y., composing the Firm of Hefter & Company. Machine for folding cover edges. 1,640,515; Aug. 30.
O'Neil, James A., Lynn, Mass., assignor to General Electric Company. Illuminating device. 1,640,423; Aug. 30.
Osborn, Fred M., Los Angeles, Calif. Aircraft collecting device. 1,640,667; Aug. 30.
Oslund, Charles H., and J. E. Johnson, assignors to O & J Machine Company, Worcester, Mass. Spotting and labeling machine. 1,641,045; Aug. 30.
Otis Elevator Company. (See Anderson, John N., assignor.)
Otto, Edgar W., Los Angeles, Calif. Bookbinder. 1,640,850; Aug. 30.
Oxarart, Domingo, Los Angeles, Calif. Vending machine. 1,640,851; Aug. 30.
Pacific-Southwest Trust & Savings Bank, trustee. (See Curtis, Thomas S., assignor.)
Packard Motor Car Company. (See Knapp, Archer L., assignor.)
Paine Lumber Company. (See Procknow, George J., assignor.)
Paluel, Konstantin K., Pittsfield, Mass., assignor to General Electric Company, Autotransformer. 1,640,424; Aug. 30.
Parker, Francis D., Viroqua, Wis. Vehicle spring. 1,641,009; Aug. 30.
Parker, Frederick R., Chicago, Ill. Electrical protective apparatus. 1,640,516; Aug. 30.
Parkes, Albert W., Dundas, Ontario, Canada, assignor to Niles-Bement-Pond Company, New York, N. Y. Slotting machine. 1,640,719; Aug. 30.
Parlini, Alexander C. (See Heller, D., and Parlini.)
Parsons, Leon W., Cambridge, Mass., and S. P. Coleman, Corpus Christi, Tex., assignors to Standard Development Company, New York, N. Y. Purifying hydrocarbons. 1,640,720; Aug. 30.
Peale, Rembrandt, et al., trustees. (See Peale, Richard, assignor.)
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to R. Peale, W. S. Davies, and W. S. Wallace, trustees. Conveyer. 1,640,959; Aug. 30.
Pearse, Vivian J., Everett, Wash. Apparatus for treating patients by bodily movements. 1,641,093; Aug. 30.
Pedigo, Walter, et al. (See Donnelson, Blanche, assignor.)
Peires, Woolf, New York, N. Y. Gutter hanger. 1,640,369; Aug. 30.
Perciabosco, Michael, et al. (See Kraus, Morris F., assignor.)
Percival, Harry S., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Measuring instrument. 1,640,425; Aug. 30.
Pernet, Jean, Zurich, Switzerland. Diathermie apparatus. 1,641,095; Aug. 30.
Perrot, Henri, Paris, France, assignor to Bendix Corporation, Chicago, Ill. Front-wheel brake. 1,640,577; Aug. 30.
Perry, Walter E., Sacramento, Calif. Telephone apparatus. 1,640,721; Aug. 30.
Peterkin, Guy S., Seattle, Wash. Suspensory. 1,641,094; Aug. 30.
Peters, John F., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current transformer. 1,640,554; Aug. 30.
Petersen, Viggo S. K., Kjentofte, near Copenhagen, Denmark. Apparatus for measuring heat quantities. 1,640,801; Aug. 30.
Peterson, Albert, Richmond, Va. Convertible table. 1,641,010; Aug. 30.
Peterson, Lester C., Akron, Ohio. Laminated rubber. 1,640,800; Aug. 30.
Pettis, Clifton D., New York, N. Y. Casting molds. Re16,727; Aug. 30.
Petzold, Gustav, and H. Rittner, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing combined shades on the vegetable fiber and in materials treated according to such process. 1,640,802; Aug. 30.
Petzold, Gustav, and H. Rittner, Offenbach-on-the-Main, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort, Germany. Producing combined shades of azodyestuffs and vat dyestuffs on the vegetable fiber and in materials dyed or printed according to such process. 1,640,803; Aug. 30.
Pfeiffer, Frank E., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,640,960; Aug. 30.
Phelan, Merton D., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rotary transmission means. 1,640,370; Aug. 30.
Pierson, Charles A., assignor to The Standard Electric Stove Company, Toledo, Ohio. Electric stove. 1,640,371; Aug. 30.
Pietzsch, Frank H., assignor to Western Railway Equipment Company, St. Louis, Mo. Retaining-valve bracket. 1,640,804; Aug. 30.
Pike, Vernon B., Cheltenham, Pa. Cable bender. 1,640,426; Aug. 30.
Pinckney, Albert J., New York, N. Y. Superdurable photo plates for ink printing. 1,640,961; Aug. 30.
Pirani, Marcello. (See Skaupy, F., Pirani, Bahr, and Fehse.)
Pollock Pen Company. (See Pollock, Robert T., assignor.)
Pollock, Robert T., assignor to Pollock Pen Company, Boston, Mass. Clip or fastener. 1,641,096; Aug. 30.
Polysius, G. (See Bruhn, Bruno, assignor.)
Poston, Emmett V., Springfield, Ill. Apparatus for and method of simultaneously texturing both ends of brick. 1,641,046; Aug. 30.
Poston, Emmett V., Springfield, Ill. Texturing brick. 1,641,047; Aug. 30.
Poston, Emmett V., Springfield, Ill. Veneering brick. 1,641,048; Aug. 30.
Poston, Emmett V., Springfield, Ill. Veneering brick. 1,641,049; Aug. 30.
Power Manufacturing Company, The. (See Morrison, Frank B., assignor.)
Precision Metal Workers. (See Grunwald, Albert C., assignor.)
Pressed Steel Car Company. (See Kurtz, Benjamin F., assignor.)
Procknow, George J., assignor to Paine Lumber Company, Ltd., Oshkosh, Wis. Saw guard. 1,640,517; Aug. 30.
Prosperity Company. (See Dorsey, William H., assignor.)
Prosperity Company, The. (See Ledbetter, James C., assignor.)
Prudhomme, Eugène A., Neuilly-sur-Seine, assignor to Société Internationale des Procédés Prudhomme, Paris, France. Regeneration of metal catalysts contaminated by sulphur. 1,640,668; Aug. 30.
Quist, Frank J. (See Blanch, S. M., and Quist.)
Rabell, William H., Pelham Manor, N. Y. Collar. 1,640,805; Aug. 30.
Rahn, Frans. (See Schneider, H., and Rahn.)
Raisig, Charles, Pittsburgh, Pa. Flexible coupling. 1,640,852; Aug. 30.
Ramsey, George, Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Closure cap. 1,640,962; Aug. 30.
Ramsey, Marcellus, North Girard, Pa. Cultivator blade. 1,641,050; Aug. 30.
Rausch, Roswell H. (See Greenleaf, G. E., Blood, and Rausch.)
Raynor, John S., Philadelphia, Pa. Plaster-board-fastening means. 1,640,468; Aug. 30.
Reed, Harrison P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Elevator controller. 1,640,555; Aug. 30.
Reese, Alba R. D., Bisbee, Ariz. Fluid engine. 1,640,616; Aug. 30.
Regents of the University of Michigan, The. (See Firestone, Floyd, assignor.)
Reich, Edwin J., Brooklyn, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Dry battery. 1,640,617; Aug. 30.
Reiter, Daniel I. (See White, M., and Reiter.)
Remington Rand Inc. (See Dawson, George H., assignor.)
Renner, Frank J., Madison, Wis., assignor, by mesne assignments, to F. B. Smith, Washington, D. C. Radiografonola. Re16,728; Aug. 30.
Revere Rubber Company, The. (See McGavack, John, assignor.)
Rheney, John H., Augusta, Ga. Oil can. 1,641,051; Aug. 30.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,640,427; Aug. 30.
Richardson, Albert S. (See Taylor, G. B., and Richardson.)
Richardson Ball Bearing Skate Company. (See Whitcomb, Henry F., jr., assignor.)
Richter, George A., assignor to Brown Company, Berlin, N. H. Producing pulp having a high percentage of resistant cellulose. 1,640,853; Aug. 3.

Riley, Lynn G., Wilkinsburg, A. H. Candee, Forest Hills, and M. F. Jones, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,640,556; Aug. 30.

Ring, William A. (See Laddon, I. M., Ring, and Herman.)

Ritter, George, Woodbridge, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Shingle. 1,640,806; Aug. 30.

Rittner, Heinrich. (See Petzold, G., and Rittner.)

Roaten, James T., and R. Bedford, Sheridan, Wyo. Motor-vehicle fuel tank. 1,640,722; Aug. 30.

Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Grading machine. 1,640,372; Aug. 30.

Robertson, H. H., Company. (See Young, James H., assignor.)

Robinson, Edward A., assignor of one-half to himself and one-half to E. E. Workman, Montreal, Quebec, Canada. Terminal sleeve for train pipes in connecter heads. 1,640,807; Aug. 30.

Robinson, Thomas, New York, N. Y. Process and apparatus for making roofing elements. 1,640,906; Aug. 30.

Roderburg, Jacob, assignor to Aachener Maschinenbau-Gesellschaft m. b. H., Aachen, Germany. Blank-feeding device for wireworking machines. 1,640,907; Aug. 30.

Rodman, Thomas E., Glencoe, assignor to The Bradford Corporation, Chicago, Ill. Reversible strut for brake beams. 1,640,854; Aug. 30.

Rogers, Lew, Carson City, Nev. Internal-combustion-engine appliance. 1,641,052; Aug. 30.

Rohm & Haas Company. (See Lamb, Morris C., assignor.)

Rohosek, Johann, Vienna, and R. L. Leuchter, Weidlingau-Hadersdorf, assignors of one-half to the Firm Gebrüder Hardy Maschinenfabrik und Giesserei, A. G., Vienna, Austria. Single-chamber air-pressure brake. 1,640,905; Aug. 30.

Rohrer, John D., assignor to United States Asbestos Company, Manheim, Pa. Friction lining and making the same. 1,640,373; Aug. 30.

Ronci, Victor L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Leading-in conductor. 1,640,469; Aug. 30.

Rosén, Carl G. A., San Francisco, Calif. Internal-combustion engine. 1,640,518; Aug. 30.

Rosenfeld, Mortimer C. (See Wertz, Austin L., assignor.)

Rosinia, James, et al. (See Kraus, Morris F., assignor.)

Royal Lamp Shade Co. (See Hirsch, Jacob, assignor.)

Rubwood, Inc. (See Atwood, Harry N., assignor.)

Ruck, Richard M., London, England, Gear-changing apparatus. 1,640,808; Aug. 30.

Russell, Guy M., deceased, Syracuse, by American Piano Company, New York, N. Y., assignee. Automatic musical instrument. Re16,729; Aug. 30.

Russell, Philip J., assignor of forty-nine one-hundredths to E. Kellykoudas, Fall River, Mass. Lock nut and allied fastening means. 1,640,374; Aug. 30.

Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,640,375; Aug. 30.

Roth-Buchner Aktiengesellschaft. (See Feist, Eugen, assignor.)

Ryan, John W., French Camp, Calif. Pliers. 1,640,723; Aug. 30.

Rylander, James B., et al. (See Rylander, Parrish H., assignor.)

Rylander, Parrish H., et al. (See Rylander, Parrish H., assignor.)

Rylander, Parrish H., assignor to W. P., J. B., and P. H. Rylander, constituting the Firm of the Rylander Company, Austin, Tex. Sterilizing cotton and other seeds. 1,641,097; Aug. 30.

Rylander, William P., et al. (See Rylander, Parrish H., assignor.)

Sachs, John H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-dihydro-dianthra-quinone-azine compounds and making same. 1,640,724; Aug. 30.

Sampson Martin Corporation. (See Sampson, Robert W., assignor.)

Sampson, Robert W., assignor to Sampson Martin Corporation, New York, N. Y. Pneumatic cushion, mattress, and the like. 1,640,618; Aug. 30.

Sanders, Walter C., assignor to The Timken Roller Bearing Company, Canton, Ohio. Railway-car truck. 1,640,963; Aug. 30.

Sankey, Clinton E., Ellwood City, Pa. Foot protector. 1,640,669; Aug. 30.

Santmyer, Roy, New York, N. Y. Tube-repairing clamp. 1,640,376; Aug. 30.

Sargent, Albert H., Bangor, Me. Heater for automobile engines. 1,641,011; Aug. 30.

Sargent & Lundy. (See Monroe, William S., assignor.)

Sauer, Johan N. A., Amsterdam, Netherlands. Manufacture of active carbon. 1,641,053; Aug. 30.

Saulla, Charles, New York, N. Y. Pneumatic tool. 1,640,470; Aug. 30.

Schadee, Gustav, New York, N. Y. Ignition timer. 1,640,725; Aug. 30.

Schaeffer, Charles D. R., Fort Dodge, Iowa. Shaft construction. 1,640,670; Aug. 30.

Schaeffer, Leon, Sulphur, Okla. Device for adjusting the spine. 1,640,519; Aug. 30.

Schäfer, Louis H., New Orleans, La. Automatic mail box. 1,641,098; Aug. 30.

Schank, John E., assignor to R. H. Buhrke Co., Chicago, Ill. Golf bag. 1,640,809; Aug. 30.

Schänning, Anton M. S., Christiania, Norway. Can opener. 1,641,054; Aug. 30.

Schatz, Herman A. (See Smith, William F., assignor.)

Schauman, Bror M., Atlantic Highlands, assignor to an association comprising G. V. Johnson, O. Gautschy, and H. W. Johnson, Highlands; W. Koch, Long Branch; and B. M. Schauman, Atlantic Highlands, N. J.; one-fifth to each member. Davit. 1,640,671; Aug. 30.

Schauman, Bror M., Atlantic Highlands, assignor to an association comprising G. V. Johnson, O. Gautschy, and H. W. Johnson, Highlands; W. Koch, Long Branch; and B. M. Schauman, Atlantic Highlands, N. J.; one-fifth to each member. Anchor davit. 1,640,672; Aug. 30.

Scherer, George F., Jackson, Mich. Making and finishing spokes. 1,640,377; Aug. 30.

Scherr, Morris, Baltimore, Md. Weight-registering gauge for weighing scales. 1,640,520; Aug. 30.

Schilling, Alfred B., Stockbridge, Mass. Bank check. Des. 73,389; Aug. 30.

Schlaupitz, Oswald, and W. Schum, assignors to The Timken Roller Bearing Company, Canton, Ohio. Roll-making machine. 1,640,964; Aug. 30.

Schleicher, Frank J., St. Louis, Mo. Paper box. 1,641,012; Aug. 30.

Schlepp, Morris, New York, N. Y. Lighting-fixture canopy. Des. 73,390; Aug. 30.

Schmitt, Charles J., Algoma, Wis. Composite table top. 1,641,055; Aug. 30.

Schneider, Heinrich and F. Rahn, assignors to the Firm: C. H. Boehringer Sohn Chemische Fabrik, Niederingelheim-on-the-Rhine, Germany. Baking powder. 1,641,013; Aug. 30.

Schoedinger, F. O. (See Conrad, Isiah, assignor.)

Schoenthal, Fred C., Buffalo, N. Y., assignor, by mesne assignments, to Steel Wheel Corporation, Lansing, Mich. Disk wheel. 1,640,378; Aug. 30.

Schroeter, John F., Atlanta, Ga. Automatic clamping device for paper-cutting and other machines. 1,640,965; Aug. 30.

Schucker, Karl A., Pforzheim, Germany. Hearing shell. 1,640,908; Aug. 30.

Schulemann, Werner. (See Lieske, R., Schulemann, and Bonrath.)

Schultheiss, William F., Los Angeles, Calif. Diversion valve. 1,640,726; Aug. 30.

Schulz, John, Chicago, Ill. Humidifier. 1,640,379; Aug. 30.

Schum, William. (See Schlaupitz, O., and Schum.)

Schuster, Diedrich O., and H. H. Gerke, Fort Wayne, Ind. Circuit closer for motor vehicles. 1,641,099; Aug. 30.

Schutz, Harry M., Paris, France. Advertising device. 1,640,909; Aug. 30.

Schwanhäusser, Herbert, Nuremberg, and Waldemar Schwanhäusser, Munich, Germany. Machine for polishing pencils and other rod-shaped bodies. 1,640,910; Aug. 30.

Schwanhäusser, Waldemar. (See Schwanhäusser, Herbert, and W.)

Schwartz, Harry A., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Making malleable iron castings. 1,640,674; Aug. 30.

Schwartz, Michael, assignor, by mesne assignments, to Automatic Electric, Inc., Chicago, Ill. Service-observing equipment for telephone systems. 1,640,675; Aug. 30.

Scoggin, Charles W., assignor of one-half to N. Nissen, Indianapolis, Ind. Roofing. 1,640,619; Aug. 30.

Scott, Alva W. (See Geyer, H. D., and Scott.)

Scott and Williams, Inc. (See Scott, Robert W., assignor.)

Scott, David J., assignors to I. and D. J. Scott, executors of the estate of W. Scott, deceased, doing business under the name of Walter Scott & Company, Plainfield, N. J. Printing machine. 1,641,100; Aug. 30.

Scott, David J., et al., executors. (See Scott, David J., assignor.)

Scott, Isabella, et al., executors. (See Scott, David J., assignor.)

Scott, Lewis L., St. Louis, Mo. Oil-burning system. 1,640,729; Aug. 30.

Scott, Lewis L., St. Louis, Mo. Oil burner. 1,640,731; Aug. 30.

Scott, Lewis L., assignor to Electrol, Inc., of Missouri, St. Louis, Mo. Gear pump. 1,640,727; Aug. 30.

Scott, Lewis L., assignor to Electrol, Inc., of Missouri, St. Louis, Mo. Domestic Oil Burner. 1,640,728; Aug. 30.

Scott, Lewis L., assignor to Electrol, Inc., of Missouri, St. Louis, Mo. Oil burner. 1,640,730; Aug. 30.

Scott, Robert W., Babylon, assignor to Scott and Williams, Inc., New York, N. Y. Automatic knitting machine. 1,641,101; Aug. 30.

Scott-Ullman Company, The. (See Wing, Clarence G., assignor.)

Scoville Manufacturing Company. (See Fenton, Paul E., assignor.)

Scovill Manufacturing Company. (See Wayne, Glenn H., assignor.)

Stuivenberg, Cornelis H., assignor, by mesne assignments, to Naamlooze Vennootschap Kametec, Amsterdam, Netherlands. Calculating machine. 1,640,381; Aug. 30.

Seamans, Pickney S., et al. (See Newton, Noel D. and J. A., assignors.)

Seguin, Auguatin. (See Seguin, Laurent and A.)

Seguin, Laurent, and A. Seguin, Paris, France. Flash-producing apparatus. 1,640,966; Aug. 30.

Sesamee Company, The. (See Hatch, Alexander G., assignor.)

Severin, Frank W., Chicago, Ill. Fuel-feed mechanism for oil engines. 1,640,579; Aug. 30.

Severin, Frank W., assignor to Venn-Severin Machine Co., Chicago, Ill. Governing mechanism for oil engines. 1,640,578; Aug. 30.

Shaeffer, Julia E., Philadelphia, Pa. Shampoo shield. 1,640,676; Aug. 30.

Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Governor for pressure-fluid-operated tools. 1,640,620; Aug. 30.

Shakespeare Company. (See Russell, Samuel G., assignor.)

Shear, Arthur H. (See Elliott, Winfred W., assignor.)

Shlick, Leo, Boston, Mass. Drying cylinder. 1,640,855; Aug. 30.

Shoemaker, Charles A., near Middletown, Ohio. Vehicle signal lamp. 1,641,056; Aug. 30.

Shore, Edward H., Hereford, Tex. Game. 1,641,015; Aug. 30.

Siebenmann, Daniel, Bern, Switzerland. Beam scale. 1,640,067; Aug. 30.

Siemens & Halske Aktiengesellschaft. (See Mansel, Paul, assignor.)

Signal Gesellschaft m. b. H. (See du Bois-Reymond, Alard, assignor.)

Simpson, George R., Portland, Oreg. Weed puller. 1,640,732; Aug. 30.

Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)

Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)

Sintow, Ely W., Brooklyn, assignor to Art Cage Mfg. Co., Inc., New York, N. Y. Bird cage. Des. 73,391; Aug. 30.

Sipes, William, Shelbyville, Ind. Rail joint. 1,641,014; Aug. 30.

Skaupy, Franz, M. Pirani, F. Bahr, and W. Fehse, Berlin, Germany, assignors to General Electric Company. Electrode for electric discharge device. 1,640,428; Aug. 30.

Skeen, Samuel T., assignor of one-half to C. E. Stead, Centralia, Ill. Drill. 1,640,810; Aug. 30.

Skinner Automotive Device Co. (See Skinner, Ralph L., assignor.)

Skinner Automotive Device Co. (See Weaver, Ira A., assignor.)

Skinner, Ralph L., assignor to Skinner Automotive Device Co., Inc., Detroit, Mich. Internal-combustion-engine lubrication system. 1,640,856; Aug. 30.

Skoog, Harry E., Cleveland, Ohio. Can tester. 1,640,911; Aug. 30.

Slipper City Wood Heel Company. (See Kinney, Norton W., assignor.)

Slocum, James, Detroit, Mich. Spark-arresting device. 1,641,102; Aug. 30.

Slocumb, Mary L., Shelby, Miss. Pitcher for sterilized water. 1,640,733; Aug. 30.

Small, John E., Connellsville, Pa. Meat-block cleaner. 1,641,103; Aug. 30.

Smiley, William E., Brooklyn, N. Y. Safety appliance. 1,640,677; Aug. 30.

Smith, Alice M., et al., executrices. (See Smith, Christian N.)

Smith, Christian N., Elgin, Ill., deceased; A. M. and L. I. Smith, executrices. Machine for bending printing plates. 1,640,582; Aug. 30.

Smith, Christian N., deceased, A. M. and L. I. Smith, executrices, assignor of one-half to W. P. Topping, Elgin, Ill. Machine for heating and bending metallic printing plates, such as electrotype and stereotype plates. 1,640,580; Aug. 30.

Smith, Christian N., deceased, A. M. and L. I. Smith, executrices, assignor of one-half to W. P. Topping, Elgin, Ill. Machine for heating and bending metallic printing plates, such as electrotype and stereotype plates. 1,640,581; Aug. 30.

Smith, Finney B. (See Renner, Frank J., assignor.)

Smith, Lily I., et al., executrices. (See Smith, Christian N.)

Smith, Robert W., Filey, England. Candle holder and candle. 1,640,734; Aug. 30.

Smith, William F., Brooklyn, N. Y., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Tractor. 1,640,621; Aug. 30.

Smith, William F., assignor of one-half to H. A. Schatz, Poughkeepsie, N. Y. Internal-combustion engine. 1,640,622; Aug. 30.

Société Alsacienne de Produits Chimiques. (See Blum, Henri, assignor.)

Societe Anonyme Servo-Frein Dewandre. (See Dewandre, Albert, assignor.)

Société Internationale des Procédés Prudhomme. (See Prudhomme, Eugène A., assignor.)

Söderberg, Carl W., assignor to Det Norske Aktieselskab for Elektrokemisk Industrie, Christiania, Norway. Making channeled continuous electrodes. 1,640,735; Aug. 30.

Solary, John, Chicago Heights, Ill. Drawing implement. 1,641,016; Aug. 30.

Solod, William P., New York, N. Y. Checkerboard. 1,641,104; Aug. 30.

Solomon, Julius, Oberlin, Ohio. Footwear. 1,640,857; Aug. 30.

Sonnett, William A. (See Goldsmith, H., and Sonnett.)

Southern Electrical Equipment Co. (See Hardin, Lewis H., assignor.)

Southern, William B., Philadelphia, Pa. Automobile seat. 1,640,968; Aug. 30.

Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois and A. K. Bodholdt, Evanston, Ill. Apparatus for printing designs. 1,640,678; Aug. 30.

Speer, Alexander S., Buffalo, N. Y., assignor, by mesne assignments, to Central Trust Company of Illinois and A. K. Bodholdt, Evanston, Ill. Printing designs. 1,640,679; Aug. 30.

Speer, Minnie L., Pittsburgh, Pa. Comb. 1,640,429; Aug. 30.

Spitzenberg, Georg K., Zackerick, Germany. Grubber or cultivator. 1,640,811; Aug. 30.

Staley, Earl B., Seattle, Wash. Tank. 1,640,471; Aug. 30.

Staples, Earle L., New York, N. Y. Liquid-fuel burner. 1,641,017; Aug. 30.

Standard Car Truck Company, (See Barber, Franklin L., assignor.)

Standard Development Company. (See Howard, F. A., and Loomis, assignors.)

Standard Development Company. (See Parsons, L. W., and Coleman, assignors.)

Standard Electric Stove Company, The. (See Pierson, Charles A., assignor.)

Standard Stoker Company. (See Hunt, Andrew M., assignor.)

Standfest, George, jr., Rochester, N. Y. Rail structure. 1,640,858; Aug. 30.

Stanley, Malcolm S. (See Innes, W. R. D., and Stanley.)

Stanley, Stanley J., New York, N. Y. Bottle or bag gasket. 1,640,430; Aug. 30.

Starkey, William C., assignor to L. G. S. Devices Corporation, Indianapolis, Ind. Friction clutch. 1,640,472; Aug. 30.

Stazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Relay. 1,640,481; Aug. 30.

Stead, Charles E. (See Skeen, Samuel T., assignor.)

Steel Wheel Corporation. (See Schoenthal, Fred C., assignor.)

Stehlik, Rudolph F., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Impulse sender. 1,640,473; Aug. 30.

Stein, Samuel F., Williamsport, Pa. Belt tightener. 1,640,623; Aug. 30.

Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Safety pulley. 1,640,624; Aug. 30.

Steinruck, Herman, assignor to Sterling Aluminum Company, Erie, Pa. Display case. 1,640,583; Aug. 30.

Stene, Thomas W. (See Kennedy, J. J., and Stene.)

Sterling Aluminum Company. (See Steinruck, Herman, assignor.)

Stevenson Company. (See Hibbins, Thomas A., assignor.)

Steward, William J., Jamaica Plain, Mass. Collapsible chair and easel. 1,640,380; Aug. 30.

Stickney, Burnham C., Rutherford, N. J. Gas engine. 1,641,105; Aug. 30.

Stoody, Winston F., Whittier, Calif. Machine for making welding rods. 1,640,859; Aug. 30.

Stone, Charles B. (See Clark, T. E., and Stone.)

Stow, Audley H., Charleston, W. Va., assignor to E. S. White, Caldwell, N. J. Brake for mine cars and other vehicles. 1,640,474; Aug. 30.

Strand, Joseph, Los Angeles, Calif. Plaster board. 1,640,736; Aug. 30.

Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Lister plow and planter. 1,640,625; Aug. 30.

Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)

Studebaker Corporation, The. (See Wise, Karl M., assignor.)

Sumner Iron Works. (See Oetsen, Ernest A., assignor.)

Sumner, John B., Fort William, Ontario, Canada. Bottle-cap remover. 1,640,382; Aug. 30.

Sutter, Ernest, assignor to Alpina Käse A.-G., Burgdorf, Bern, Switzerland. Packing and preserving food products and the package obtained thereby. 1,640,860; Aug. 30.

Svensson, Carl A., Falun, Sweden. Bogie for railway cars and the like. 1,640,626; Aug. 30.

Sweet, Marie A., Highland Park, Ill. Cane toy. 1,641,057; Aug. 30.

Swearingson, Louis, Cleveland, Ohio. Wringer. 1,640,627; Aug. 30.

Symington Company, The. (See Knapp, Raleigh T., assignor.)

Syracuse Washing Machine Corporation. See Geldhof, Peter E., assignor.)

Talley, Robert G. and W. W., California, Mo. Ring latch. 1,641,058; Aug. 30.
Talley, Waldemar W. (See Talley, Robert G. and W. W.)
Tausch, Ernst, Wilmersdorf, near Berlin, Germany. Resilient-ring element. 1,641,059; Aug. 30.
Taylor, Guy B., Wilmington, Del., and A. S. Richardson, Cincinnati, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitration process and nitrating mixture therefor. 1,640,737; Aug. 30.
Taylor, Thomas F., San Francisco, Calif. Dirigible headlight. 1,640,738; Aug. 30.
Taylor, Willard L. (See Baker, F. E., and Taylor.)
Telautograph Corporation. (See Van Nostrand, Arleigh N., assignor.)
Thiessen, John F., Los Angeles, Calif. Combined ash tray and cigarette and cigar extinguisher. 1,640,584; Aug. 30.
Thomas, Arthur E., London, England. Spanner. 1,640,383; Aug. 30.
Thomas, William G. (See Turrell, J. E., and Thomas.)
Thompson, Augustus F., Huntington, W. Va. Gas-burner cook stove. 1,640,861; Aug. 30.
Thompson, William D., assignor, by mesne assignments, to Hutchins Car Roofing Company, Detroit, Mich. Car end. 1,640,912; Aug. 30.
Thorley, Ira O., Denver, Colo. Transmission-gear set. 1,640,628; Aug. 30.
Thornton, Frank C., East Cleveland, Ohio. Metal-container sealing-closure-fastening apparatus. 1,640,585; Aug. 30.
Thurchak, Theodore, Chicago, Ill. Smoke washer. 1,640,018; Aug. 30.
Tierney, William H., Washington, D. C. Swing. 1,640,862; Aug. 30.
Timken Roller Bearing Company, The. (See Sanders, Walter C., assignor.)
Timken Roller Bearing Company, The. (See Schlauplitz, O. and Schum, assignors.)
Tolhurst Machine Works. (See Bryson, T. A., and Williams, assignors.)
Topping, William P. (See Smith, Christian N., assignor.)
Townsend, George H., Greenwich, Conn. Motor-heat-indicating instrument. Des. 73,392; Aug. 30.
Traut, Heinrich, Munich, Germany. Electric arc lamp for photographing. 1,640,913; Aug. 30.
Trester, Herault A., assignor to Metal Forms Corporation, Milwaukee, Wis. Road form. 1,640,739; Aug. 30.
Truman, Joseph, Hanover, N. H. Dry powdered cleaning composition. 1,640,740; Aug. 30.
Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
Trumbull Electric Manufacturing Company, The. (See Wheeler, Frank T., assignor.)
Tulls, John K., assignor, by mesne assignments, to Geltan Company, New York, N. Y. Leather manufacture. 1,640,914; Aug. 30.
Turbine Patents Corporation. (See Klimek, Gustav A., assignor.)
Turrell, James E., Noxen, and W. G. Thomas, West Pittston, Pa. Dust cap for tire valves. 1,640,863; Aug. 30.
Tusup, Mat, Campbell, Calif. Body support. 1,640,586; Aug. 30.
Two-Season Process, Incorporated. (See Graflin, Lewis, assignor.)
Tykocinski-Tykociner, Joseph, Urbana, Ill. Transmitting, recording, and reproducing sound. 1,640,557; Aug. 30.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Ungerman, Carl, Detroit, Mich. Sash regulator. 1,640,804; Aug. 30.
Union Steel Products Company. (See Hatch, Charles T., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
United Shoe Machinery Corporation. (See Flickinger, William F., assignor.)
United Shoe Machinery Corporation. (See Fowler, Alfred B., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Mahler, J. J., and Webb, assignors.)
United Shoe Machinery Corporation. (See Phelan, Merton D., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Asbestos Company. (See Obetz, G. U., and Walter, assignors.)
United States Asbestos Company. (See Rohrer, John D., assignor.)
United States Smelting, Refining & Mining Company. (See Hamilton, E. H., and Kirk, assignors.)
United States Smelting, Refining & Mining Company. (See Kirsebom, Gustaf N., assignor.)
United States Tent & Awning Company. (See Leffert, Charles B., assignor.)
United Tool and Manufacturing Co., et al. (See Gries, Lester M., assignor.)
Vanderlaan, Albert, Larchmont, N. Y. Perpetuating human remains and article made thereby. 1,640,680; Aug. 30.
Van der Woude, Derk, Groningen, Netherlands. Central heating installation. 1,640,629; Aug. 30.
Van Duzee, Joseph, Firthcliffe, N. Y. Clothes-hanging apparatus. 1,641,106; Aug. 30.
Van Valkenburg, Wallace L. (See Halket, W., and Van Valkenburg.)
Van Nostrand, Arleigh N., Flushing, assignor to Telautograph Corporation, New York, N. Y. Field-magnet mechanism for telautograph receivers. 1,640,384; Aug. 30.
Vaslamp Manufacturing Corporation. (See Cary, Melbert B., assignor.)
Venn-Severin Machine Co. (See Severin, Frank W., assignor.)
Victor Shoe Machinery Company. (See Hansen, Sinius M., assignor.)
Vogeltanz, E. L., et al. (See Criner, Harry J., assignor.)
Volgt, Emil K. A. (See Konicke, Hildegard, M. G., assignor.)
Waitt, Walter G. (See Deibel, C. P., and Waitt.)
Wales Adding Machine Company. (See Gleim, Ferdinand, assignor.)
Walker, Edwin O., assignor, by mesne assignments, to Automatic Electric Inc., Chicago, Ill. Selector switch. 1,640,385; Aug. 30.
Wallace, Hugh. (See Hunt, J. H., and Wallace.)
Wallace, Hugh, assignor to General Motors Research Corporation, Dayton, Ohio. Pump. 1,640,741; Aug. 30.
Wallace, Hugh, and J. H. Hunt, assignors to General Motors Research Corporation, Dayton, Ohio. Pump. 1,640,742; Aug. 30.
Wallace, William S., et al., trustees. (See Peale, Richard, assignor.)
Walloch, Frank A., Seattle, Wash. Combined hot-air screen and deflector. 1,640,630; Aug. 30.
Walter, Robison F. (See Obetz, G. U., and Walter.)
Walther, George, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Producing of cast-metal wheels. 1,641,107; Aug. 30.
Ward, Marshall H., Brooklyn, N. Y., and E. L. Aurand, Teaneck, N. J., assignors to American Radiator Company, New York, N. Y. Cooling system for internal-combustion engines. 1,640,681; Aug. 30.
Ward, Samuel, Manufacturing Company. (See Austin, George H., assignor.)
Ward, Samuel, Manufacturing Company. (See McCauley, Reginald A., assignor.)
Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Manufacturing gear wheels. 1,640,432; Aug. 30.
Wayne Company. (See Langston, Robert E., assignor.)
Wayne, Glenn H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip-stick container. 1,640,386; Aug. 30.
Weaver, Ira A., Springfield, Ill., assignor, by mesne assignments, to Skinner Automotive Device Co., Inc., Sacramento, Calif. Oil and fuel saver. 1,640,865; Aug. 30.
Webb, Horace D. (See Mahler, J. J., and Webb.)
Weber, Alfred, New York, N. Y. Lantern. Des. 73,393; Aug. 30.
Webster, Charles M. (See Martin, O. M., and Webster.)
Webster Electric Company. (See Hawkins, William W., assignor.)
Wegner, Hinrich F. W., Lubeck, Germany. Plowshare. 1,640,682; Aug. 30.
Wehfritz, Henry C., Jersey City, N. J. Cowl. 1,641,060; Aug. 30.
Weicher, Henry A. (See Hartman, C. C., and Weicher.)
Weirich, Peter J., Adams, Wis. Locomotive fire door. 1,640,866; Aug. 30.
Weissel, Robert G., Oakland, Calif. Automobile lock. 1,640,631; Aug. 30.
Weldon, John J., Pittsfield, Mass., assignor to General Electric Company. Insulating element. 1,640,433; Aug. 30.
Wertz, Austin L., Lakewood, assignor to M. C. Rosenfeld, Cleveland, Ohio. Frostproof drain valve. 1,640,475; Aug. 30.
West, Lawrence B., Chattanooga, Tenn. Apparatus for drying and heating material. 1,641,108; Aug. 30.
Westco-Chippewa Pump Company et al. (See Borneman, Herman A. F., assignor.)
Westerman, William H., Marietta, Ohio. Thread guard. 1,640,969; Aug. 30.
Westerman, William H., Marietta, Ohio. Thread protector. 1,640,970; Aug. 30.
Western Electric Company. (See Augustine, Roy W., assignor.)
Western Electric Company. (See Houskeeper, William G., assignor.)
Western Electric Company. (See Mathes, Robert C., assignor.)
Western Electric Company. (See Ronci, Victor L., assignor.)
Western Railway Equipment Company. (See Campbell, Sterling H., assignor.)
Western Railway Equipment Company. (See Pietzsch, Frank H., assignor.)
Western Union Telegraph Company, The. (See Fluharty, William G., assignor.)
Western Wheeled Scraper Company. (See Benboy, James D., assignor.)
Westling, Herman. (See Dunbar, E. W., and Westling.)

Weston, Frederick H., Bridgeport, Conn., assignor to General Electric Company. Socket adapter. 1,640,434; Aug. 30.
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Aalborg, C., and Wilharm, assignors.)
Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Breisch, E. W., and Golladay, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brown, Arthur L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fuller, Bert F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gudge, Benjamin J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kincaid, Charles W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knape, Charles N. F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lamme, Benjamin G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, Donald G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Riley, L. G., Candee, and Jones, assignors.)
Wheeler, Frank T., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Box connecter. 1,640,521; Aug. 30.
Wheeler, John L., and O. C. Hosch, St. Louis, Mo., assignors to The Measuregraph Company. Automatically-controlled shutter for measuring machines. 1,640,387; Aug. 30.
Whisler, Thomas C., Redondo Beach, Calif. Earth-boring tool. 1,640,587; Aug. 30.
Whitaker, Morris M., Nyack, N. Y. Ash tray. Des. 73,394; Aug. 30.
Whitcomb, Henry F., jr., Milwaukee, Wis., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill. Roller skate. 1,640,476; Aug. 30.
White, Edith S. (See Stew, Audley H., assignor.)
White, Morris, New York, and D. I. Reiter, Brooklyn, N. Y.; said Reiter assignor to said White. Handle for hand bags and the like. 1,640,522; Aug. 30.
Whitin Machine Works. (See Jolly, James, assignor.)
Whitney, Clarence E., et al., executors. (See Hanson, Bengt M. W.)
Widen, Charles, Trafford, Pa. Display rack. 1,640,971; Aug. 30.
Wiebe, Sigurd J. A., East Orange, N. J., assignor to International Combustion Engineering Corporation, New York, N. Y. Dumping grate. 1,640,632; Aug. 30.
Wieland, Charles G., New York, N. Y. Telephone diaphragm. 1,640,915; Aug. 30.
Wilharm, Frederick C. (See Aalborg, C., and Wilharm.)
Wilke, John M., sr., Covington, Ky., assignor to The Julian & Kokenge Company, Cincinnati, Ohio. Shoe. 1,640,638; Aug. 30.
Williams, Byron, Chicago, Ill. Steering gear. 1,640,388; Aug. 30.
Williams, Frank I. (See Bryson, T. A., and Williams.)
Wilson, Albert, Chicago, Ill. Type-frame lifter. 1,640,683; Aug. 30.
Wilson, Frederick R., Canonsburg, assignor to Fort Pitt Bridge Works of Pittsburgh, Pittsburgh, Pa. Concrete reenforcement. 1,641,109; Aug. 30.
Wilson, Howard M., sr. (See Crumbaugh, H. M., and Wilson.)
Wing, Clarence G., Lakewood, assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting fixture. Des. 73,396; Aug. 30.
Winthrop Chemical Company. (See Leuchs, Friedrich, assignor.)
Winthrop Chemical Company. (See Lieske, R., Schulemann, and Bonrath, assignors.)
Winter, John R., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 1,640,523; Aug. 30.
Wise, Karl M., assignor to The Studebaker Corporation, South Bend, Ind. Internal-combustion engine. 1,640,634; Aug. 30.
Woods, John D., Steubenville, Ohio. Gun sight. 1,641,019; Aug. 30.
Woods, S. A., Machine Company. (See Carlson, Lewis B., assignor.)
Workman, Ellison E. (See Robinson, Edward A., assignor.)
Workman, Harold, Glasgow, Scotland. Electric incandescent lamp. 1,640,867; Aug. 30.
Worthington Pump and Machinery Corporation. (See Lucke, Charles E., assignor.)
Wulfing, Daniel J., assignor to The Minnesota Specialty Company, St. Paul, Minn. Auto key case. 1,641,110; Aug. 30.
Wyman-Gordon Company. (See Damerell, Mark H., assignor.)
Yager, George L. (See Yager, Ralph C. and G. L.)
Yager, Ralph C. and G. L., assignors to Yager Sheet Metal Company, Oakland, Calif. Louver ventilator. 1,640,588; Aug. 30.
Yager Sheet Metal Company. (See Yager, Ralph C. and G. L., assignors.)
Young, Herman, New York, N. Y. Kitchen-tub cover and drainer. 1,641,061; Aug. 30.
Young, James H., assignor to H. H. Robertson Company, Pittsburgh, Pa. Testing apparatus for ventilators. 1,640,477; Aug. 30.
Young, Robert W., Wilmette, Ill. Turntable tractor. 1,640,389; Aug. 30.
Youngstrom, William H. (See Halverson, H. J., and Youngstrom.)
Yuhasz, Andrew F., Cleveland, Ohio. Emergency bed. 1,640,748; Aug. 30.
Zaiss, Fred E., Los Angeles, Calif. Automatic hard-candy machine. 1,640,868; Aug. 30.
Zalkind, Philip, New York, N. Y. Indenture. 1,640,684; Aug. 30.
Zapf, Georg, assignor to Felten & Guilleaume Carlswerk Actiengesellschaft, Cologne-Mulheim, Germany. Protecting cables from kinking at the point where they emerge from junction boxes or casings. 1,640,744; Aug. 30.
Ziegler, William H., jr. (See Dart, Herbert W., assignor.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF AUGUST, 1927.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Absorption plant. C. F. Braun. 1,640,747; Aug. 30.
Adjustable chair. P. B. Friedman. 1,640,494; Aug. 30.
Adjusting the spine, Device for. L. Schaeffer. 1,640,519; Aug. 30.
Advertising device. H. M. Schutz. 1,640,909; Aug. 30.
Aeroplane. J. E. Caldwell. 1,640,645; Aug. 30.
Air-brake apparatus. M. E. Hamilton and R. R. Hopkins. 1,640,499; Aug. 30.
Air-brake-control device. T. E. Clark and C. B. Stone. 1,640,480; Aug. 30.
Air conditioner. C. L. Burdick. 1,640,564; Aug. 30.
Aircraft collecting device. F. M. Osborn. 1,640,667; Aug. 30.
Air-pressure brake, Single-chamber. J. Rihosek and R. L. Leuchter. 1,640,905; Aug. 30.
Air spring. B. B. Holmes. 1,640,896; Aug. 30.
Alkyl sulphates, Making. R. H. McKee. 1,641,005; Aug. 30.
Amplifying system. F. C. Barton. 1,640,436; Aug. 30.
Anchor davit. B. M. Schauman. 1,640,672; Aug. 30.
Anchor, Ground. M. Isaacs. 1,640,504; Aug. 30.
Antenna system, Wireless. F. Conrad. 1,640,534; Aug. 30.
Antispasmodic. F. Leuchs. 1,640,506; Aug. 30.
Arc light. A. Ihln. 1,640,450; Aug. 30.
Arch. J. C. Gordon. 1,640,932; Aug. 30.
Ash tray. M. M. Whitaker. Des. 73,394; Aug. 30.
Ash tray and cigarette and cigar extinguisher, Combined. J. F. Thiessen. 1,640,584; Aug. 30.
Aurothiosulphate compounds, Production of complex. E. and J. Keiding. 1,640,775; Aug. 30.
Autographic register. F. E. Pfeiffer. 1,640,960; Aug. 30.
Auto key case. D. J. Wulfing. 1,641,110; Aug. 30.
Automobile engines. Heater for. A. H. Sargent. 1,641,011; Aug. 30.
Automobile fenders, Combined lamp and supporting bracket for. A. Halliwell. Des. 73,375; Aug. 30.
Automobile lock. R. G. Weissel. 1,640,631; Aug. 30.
Automobile seat. W. B. Southern. 1,640,968; Aug. 30.
Automobile seat, Convertible. G. De Petris. 1,640,984; Aug. 30.
Automobile signal. G. W. Michael. 1,640,794; Aug. 30.
Automobile torpedo. W. Dieter. 1,640,889; Aug. 30.
Automobiles, Luggage carrier for. F. J. Laher. 1,640,779; Aug. 30.
Automobiles, Luggage carrier for. C. B. Leffert. 1,640,360; Aug. 30.
Awning structure. E. S. Johnson. 1,640,660; Aug. 30.
Azodyestuffs and vat dyestuffs on the vegetable fiber and in materials dyed or printed according to such process, Prodcing combined shades of. G. Petzold and H. Rittner. 1,640,803; Aug. 30.
Bag: *See*—
Golf bag.
Baking crusts, Support for. M. A. Miller. 1,641,090; Aug. 30.
Baking powder. H. Schneider and F. Rahn. 1,641,013; Aug. 30.
Banding machine. O. Muller. 1,640,465; Aug. 30.
Bank check. A. B. Schilling. Des. 73,389; Aug. 30.
Bank, Savings. H. J. Halverson and W. H. Youngstrom. 1,640,569; Aug. 30.
Barium carbonate, Manufacture of pure. F. Falco. 1,640,652; Aug. 30.
Battery: *See*—
Dry battery.
Bearing. G. Flintermann. 1,640,352; Aug. 30.
Bearing mechanism. J. M. Howe. 1,640,356; Aug. 30.
Bearing puller. R. B. Noble. 1,640,904; Aug. 30.
Bed, Emergency. A. F. Yuhasz. 1,640,743; Aug. 30.
Bedspring brace. C. Marconi. 1,640,956; Aug. 30.
Bedstead. M. H. Covey. 1,640,754; Aug. 30.
Belt-lacing device. W. Cramer. 1,640,822; Aug. 30.
Belt tightener. S. F. Stein. 1,640,623; Aug. 30.
Billiard table. H. C. Burke and A. A. Friberg. 1,640,879; Aug. 30.
Binder, Lose-leaf. H. E. D. Cogery and C. F. B. G. Bertrand. 1,640,646; Aug. 30.
Bird cage. E. W. Sintow. Des. 73,391; Aug. 30.
Bitumen suitable for paving and making the same, Soapy emulsion of. W. T. Headley. 1,640,544; Aug. 30.
Block: *See*—
Paving block.
Block press. E. G. Loomis. 1,640,949; Aug. 30.
Board: *See*—
Plaster board.
Body construction. J. H. Bourgon. 1,640,640; Aug. 30.
Body support. M. Tusup. 1,640,586; Aug. 30.
Boiler: *See*—
Steam boiler.
Boiler-check plug, Fusible. J. A. Mascho. 1,640,611; Aug. 30.
Bolt: *See*—
Theft-preventing bolt.
Book binder. E. W. Otto. 1,640,850; Aug. 30.
Book-binding machine. G. H. Austin. 1,640,918; Aug. 30.
Borneol esters, Manufacture of. H. M. Blum. 1,640,639; Aug. 30.
Bottle. F. S. Cavanaugh. Des. 73,368; Aug. 30.
Bottle-cap remover. J. B. Sumner. 1,640,382; Aug. 30.
Bottle holder, Milk. L. Dangerfield. 1,640,927; Aug. 30.
Bottle-washing machine. J. Bruston. 1,640,643; Aug. 30.
Box: *See*—
Display box. Paper box.
Mail box. Transporting box.
Box connecter. F. T. Wheeler. 1,640,521; Aug. 30.
Boxes and the like, Making paper. S. Bergstein and A. C. E. Lindner. 1,640,638; Aug. 30.
Brace: *See*—
Bed-spring brace.
Brace. A. J. Feaster. 1,641,027; Aug. 30.
Bracket: *See*—
Valve bracket.
Brake: *See*—
Air-pressure brake. Motor brake.
Emergency brake. Power brake.
Front-wheel brake.
Brake. J. N. Anderson. 1,640,972; Aug. 30.
Brake. W. J. Andres. 1,640,589; Aug. 30.
Brake. H. C. Heaton. 1,640,545; Aug. 30.
Brake. W. D. Nickum. 1,640,367; Aug. 30.
Brake beams, Reversible strut for. T. E. Rodman. 1,640,854; Aug. 30.
Brake dynamometer, Hydraulic. S. S. Ekman. 1,641,009; Aug. 30.
Brake for railway trains. E. A. Moutier. 1,640,092; Aug. 30.
Brake hanger. J. W. Bettendorf. 1,640,590; Aug. 30.
Brake mechanism, Automatic. A. A. Allen. 1,640,916; Aug. 30.
Brassière. K. E. Cunningham. 1,640,823; Aug. 30.
Brick, Texturing. E. V. Poston. 1,641,047; Aug. 30.
Brick, Veneering. E. V. Poston. 1,641,048–9; Aug. 30.
Bricks and piling the same, Separator for. E. C. Clark. 1,640,691; Aug. 30.
Bricks, Apparatus for and method of simultaneously texturing both ends of. E. V. Poston. 1,641,046; Aug. 30.
Bridge lamp or the like, Arm for a. J. Hirsch. Des. 73,379–80; Aug. 30.
Bridge material. I. Caroni. 1,640,980; Aug. 30.
Brush, Steaming. I. Kirschenbaum. 1,641,037; Aug. 30.
Burglar-catching and cashier-protective apparatus. J. J. Kennedy and T. W. Stene. 1,640,572; Aug. 30.
Burner: *See*—
Fuel burner. Oil burner.
Liquid-fuel burner. Pressure burner.
Bushing and forming the same. B. J. Gudge. 1,640,543; Aug. 30.
Cable bender. V. B. Pike. 1,640,426; Aug. 30.
Cables from kinking at the point where they merge from junction boxes or casings, Protecting. G. Zapf. 1,640,744; Aug. 30.
Calculating machine. C. M. F. Friden. 1,640,493; Aug. 30.
Calculating machine. C. H. Stuivenberg. 1,640,381; Aug. 30.
Calendering or ironing machine. B. J. Dykes. 1,640,491; Aug. 30.
Camera-lens-focusing appliance. L. F. Deming. 1,640,694; Aug. 30.
Can: *See*—
Oil can.
Can-end curling and stacking mechanism. W. Cameron. 1,640,979; Aug. 30.
Can opener. A. M. S. Schänning. 1,641,054; Aug. 30.
Can-puncturing device. J. A. Kraus. 1,640,505; Aug. 30.
Can spout. G. W. Lang. 1,641,003; Aug. 30.
Can tester. H. E. Skoog. 1,640,911; Aug. 30.
Cans, Machine for closing filled. H. A. Fink and G. Flook. 1,640,762; Aug. 30.
Candle holder and candle. R. W. Smith. 1,640,734; Aug. 30.
Candy box. I. Kidder. Des. 73,381–2; Aug. 30.
Candy machine, Automatic hard-. F. E. Zaiss. 1,640,868; Aug. 30.

Car, Collection. V. W. Balzer and J. H. Ballou. 1,640,873; Aug. 30.
Car, Dump. J. D. Benbow. 1,640,637; Aug. 30.
Car end. W. D. Thompson. 1,640,912; Aug. 30.
Car, Partitionless cane. R. J. Magor. 1,640,785; Aug. 30.
Cars and other vehicles, Brake for mine. A. H. Stow. 1,640,474; Aug. 30.
Cars and the like, Bogie for railway. T. F. Collin and L. G. H. Helmstein. 1,640,647; Aug. 30.
Cars and the like, Bogie for railway. C. A. Svensson. 1,640,626; Aug. 30.
Carbon, Manufacture of active. J. N. A. Sauer. 1,641,053; Aug. 30.
Carbonaceous materials, Distillation and coking of. L. Honigmann. 1,640,502; Aug. 30.
Carburetor. J. Juhasz. 1,640,412; Aug. 30.
Carburetor. J. J. A. Miller. 1,640,711; Aug. 30.
Carpet cleaner. S. M. Blanch and F. J. Quist. 1,641,063; Aug. 30.
Carrier: *See*—
Lumber carrier.
Carrier systems, Jib-crane transfer device for overhead. E. T. Bennington. 1,640,344; Aug. 30.
Carry-off. C. J. Guthberlet. 1,640,768; Aug. 30.
Case: *See*—
Auto key case. Packing case.
Display case. Thermometer case.
Caskets, Fastening or sealing device for burial. I. I. Inman. 1,640,410; Aug. 30.
Caster, Sanitary. R. W. Denslow. 1,641,127; Aug. 30.
Casting mold. C. D. Pettis. Re16,727; Aug. 30.
Casting walls and the like, Form work for. S. C. Hollister. 1,640,997; Aug. 30.
Cellulose nitrate, Acceleration of gelatinization of. R. C. Moran. 1,640,712; Aug. 30.
Centering and marking machine, Shaft. M. H. Damerell. 1,640,395; Aug. 30.
Centrifugal extractor. T. A. Bryson and F. I. Williams. 1,640,978; Aug. 30.
Chair: *See*—
Adjustable chair.
Chair and easel, Collapsible. W. J. Steward. 1,640,380; Aug. 30.
Chandelier or similar article. G. E. McFadden. Des. 73,388; Aug. 30.
Checkerboard. W. P. Solod. 1,641,104; Aug. 30.
Chiropractic adjusting and massaging device. T. H. David. 1,640,536; Aug. 30.
Cigar lighter. H. Esterow. Des. 73,372; Aug. 30.
Circuit-controlling apparatus. B. F. Fuller. 1,640,542; Aug. 30.
Circuits, Distribution unit for electric. W. C. Blackwood. 1,640,814; Aug. 30.
Clamp: *See*—
Hand clamp. Tube-repairing clamp.
Pipe clamp.
Clasp: *See*—
Hose-supporter clasp.
Cleaner: *See*—
Carpet cleaner. Meat-block cleaner.
Eraser cleaner. Window cleaner.
Cleaning composition and spot remover. L. N. Cohn. 1,640,531; Aug. 30.
Cleaning composition, Dry Powdered. J. Truman. 1,640,740; Aug. 30.
Cleaning implement. M. E. Harber. 1,641,034; Aug. 30.
Clip: *See*—
Pen and pencil clip. Magazine clip.
Clip or fastener. R. T. Pollock. 1,641,094; Aug. 30.
Clock. L. L. Mallard. Des. 73,387; Aug. 30.
Closure cap. G. Ramsey. 1,640,962; Aug. 30.
Clothes-hanging apparatus. J. Van Dusen. 1,641,100; Aug. 30.
Clothes wringer. H. J. Criner. 1,640,926; Aug. 30.
Clutch construction. G. C. Carhart. 1,640,752; Aug. 30.
Clutch, Friction. W. C. Starkey. 1,640,472; Aug. 30.
Clutch-shifting mechanism, Spring-operated. P. C. Burton 1,640,530; Aug. 30.
Coffee, Treating. R. Cross. 1,640,648; Aug. 30.
Coil-winding form. H. J. Cocks. 1,640,821; Aug. 30.
Coin-controlled lock. H. L. Johnson. 1,640,605; Aug. 30.
Coin detector. M. F. Kraus. 1,640,453; Aug. 30.
Collar. W. H. Rabell. 1,640,805; Aug. 30.
Coloring letters or figures impressed in metal tags, badges, etc. O. M. Martin and C. M. Webster. 1,640,787; Aug. 30.
Comb. M. L. Speer. 1,640,429; Aug. 30.
Combing machine. J. Jolly. 1,640,705; Aug. 30.
Compressor control. N. A. Christensen. 1,640,597; Aug. 30.
Computing machine. I. S. Dement. 1,641,126; Aug. 30.
Concrete floors, Construction of reinforced. W. R. D. Innes and M. S. Stanley. 1,641,084; Aug. 30.
Concrete reenforcement, F. R. Wilson. 1,641,109; Aug. 30.
Condenser, Progressive. C. F. Braun. 1,640,748; Aug. 30.
Condenser, Variable. E. W. Breisch and L. R. Golladay. 1,640,561; Aug. 30.
Conductor, Leading-in. V. L. Ronci. 1,640,869; Aug. 30.
Container and sealing means therefor. F. E. Burgess. 1,640,594; Aug. 30.
Containers, Stopper or closure for. F. Lobl. 1,640,508; Aug. 30.
Control apparatus. L. G. Riley, A. H. Candee, and M. F. Jones. 1,640,556; Aug. 30.
Control system. E. M. Bouton. 1,640,559; Aug. 30.
Convertible table. A. Peterson. 1,641,010; Aug. 30.
Conveyer. R. Peale. 1,640,959; Aug. 30.
Counting sheets, Machine for. C. L. Burdick. 1,640,563; Aug. 30.
Coupling: *See*—
Flexible coupling.
Coupling-pin retainer. B. F. Kurtz. 1,640,413; Aug. 30.
Cover edges, Machine for folding. C. H. Ohlsson. 1,640,515; Aug. 30.
Covering machine. R. A. McCauley. 1,640,903; Aug. 30.
Covers, Web notching and blanking mechanism for outside. C. H. Ohlsson. 1,640,466; Aug. 30.
Cowl. H. C. Webfritz. 1,641,060; Aug. 30.
Cowl light. O. E. Hunt. 1,640,831; Aug. 30.
Crotonaldehyde, Manufacture of condensation products of. W. Kropp. 1,640,899; Aug. 30.
Cubing sliced material, Apparatus for. W. E. Leibing. 1,640,951; Aug. 30.
Cultivator and weed cutter, Agricultural. C. J. Maheras. 1,640,786; Aug. 30.
Cultivator blade. M. Ramsey. 1,641,050; Aug. 30.
Cup: *See*—
Lubricating cup. Oil cup.
Curler, Hair. J. A. Hartvig and A. A. McLaurin. 1,640,893; Aug. 30.
Cushion, mattress and the like, Pneumatic. R. W. Sampson. 1,640,618; Aug. 30.
Cutting and work-treating machine. W. Möbus. 1,640,513; Aug. 30.
Davit. B. M. Schauman. 1,640,671; Aug. 30.
Decorticating apparatus for the treatment of sisal and other fibrous leaves and stalks. J. Cook. 1,641,119; Aug. 30.
Dental floss holder. C. Kitley. 1,640,607; Aug. 30.
Dextrose, Manufacture of large-grained. W. B. Newkirk. 1,640,717; Aug. 30.
Diathermic apparatus. J. Pernet. 1,641,095; Aug. 30.
Discharge from containers, Regulating. B. Bruhn. 1,640,528; Aug. 30.
Disinfecting agent. R. Lieske, W. Schulemann, and W. Bonrath. 1,640,901; Aug. 30.
Disk wheel. F. C. Schoenthal. 1,640,378; Aug. 30.
Display box. E. E. Asplund. 1,640,870; Aug. 30.
Display case. H. Steinruck. 1,640,583; Aug. 30.
Display rack. C. Widen. 1,640,971; Aug. 30.
Door control. C. A. Hennicke. 1,640,989; Aug. 30.
Door-operating means. C. A. Connelly. 1,641,067; Aug. 30.
Doughnut machine and the like. C. E. Carpenter. 1,641,118; Aug. 30.
Dovetail construction, Adjustable. E. E. Lundberg. 1,640,953; Aug. 30.
Draft rigging. R. T. Knapp. 1,641,087; Aug. 30.
Drawer support, Extension-. C. S. Moore. 1,640,664; Aug. 30.
Drawing implement. J. Solary. 1,641,016; Aug. 30.
Drill. S. T. Skeen. 1,640,810; Aug. 30.
Dry battery. E. J. Reich. 1,640,617; Aug. 30.
Dry cell and lining for same. C. P. Deibel and W. G. Waitt. 1,640,488; Aug. 30.
Drying and heating material, Apparatus for. L. B. West. 1,641,108; Aug. 30.
Drying cylinder. L. Shlick. 1,640,855; Aug. 30.
Dyeing. W. Herzberg and H. Ohlendorf. 1,640,657; Aug. 30.
Electric conductors, Metal cross arm for supporting. L. H. Hardin. 1,640,828; Aug. 30.
Electric currents, Optical means for generating, amplifying, and controlling. W. W. Coblentz. 1,640,393; Aug. 30.
Electric discharge devices, Electrode for. F. Skaupy, M. Pirani, F. Bahr, and W. Febse. 1,640,428; Aug. 30.
Electric furnace. C. B. Foley. 1,640,826; Aug. 30.
Electric heaters, Making. E. N. Lightfoot. 1,640,361; Aug. 30.
Electric-light fixture. G. Lipschutz. Des. 73,386; Aug. 30.
Electric-light shade. W. W. Dunn, jr. Des. 73,371; Aug. 30.
Electric safety device. C. E. Hanny. 1,640,701; Aug. 30.
Electric switch. D. H. Chason. 1,641,134; Aug. 30.
Electric switch. R. C. Deale. 1,640,755; Aug. 30.
Electric switch. J. H. Nelson. 1,640,614; Aug. 30.
Electric wall bracket. F. Craib. Des. 73,369; Aug. 30.
Electric welding. T. E. Murray, jr. 1,640,798; Aug. 30.
Electrical conductors, Joint between. R. W. Armstrong and I. E. McCabe. 1,640,869; Aug. 30.
Electrical discharge device. P. K. Devers. 1,640,443; Aug. 30.
Electrical heater plug, Thermostatic-control. L. M. Kaplan. 1,641,002; Aug. 30.
Electrical protective apparatus. F. R. Parker. 1,640,516; Aug. 30.
Electrically-driven spinning centrifugal apparatus. P. Minck. 1,641,091; Aug. 30.
Electrodes, Making channeled continuous. C. W. Söderberg. 1,640,735; Aug. 30.
Electrodes of storage batteries, Preparing positive. A. Cellino. 1,640,922; Aug. 30.

Electron-discharge device. W. G. Houskeeper. 1,640,503; Aug. 30.
Electron-discharge device. R. C. Mathes. 1,640,462; Aug. 30.
Electron-emitting cathode and preparing the same. H. Miller. 1,640,710; Aug. 30.
Elevator controller. H. P. Reed. 1,640,555; Aug. 30.
Elevator leg. L. Burmeister. 1,640,529; Aug. 30.
Elevators, Safety device for. M. Scheinfeld. 1,640,673; Aug. 30.
Emergency brake. H. Everett. 1,640,492; Aug. 30.
Engine: *See*—
Fluid engine. Internal-combustion engine
Gas engine. Marine engine.
Engine appliance, Internal-combustion-. L. Rogers. 1,641,052; Aug. 30.
Engine cylinder and making same, Internal-combustion-. A. L. Boegehold. 1,640,876; Aug. 30.
Engine lubrication system, Internal-combustion-. R. L. Skinner. 1,640,856; Aug. 30.
Engine-starting apparatus. W. A. Chryst. 1,640,753; Aug. 30.
Engine-starting apparatus. G. W. Elsey. 1,640,758; Aug. 30.
Engine-starting apparatus. J. W. Morrison. 1,640,714; Aug. 30.
Engines, Attachment for internal-combustion. J. C. McClain. 1,640,790; Aug. 30.
Engines, Cooling system for internal-combustion. M. H. Ward and E. L. Aurand. 1,640,681; Aug. 30.
Engines, Cylinder block for internal-combustion. J. Fejes. 1,640,761; Aug. 30.
Engines, Fuel economizer for internal-combustion. H. H. Humphrey. 1,640,571; Aug. 30.
Engines, Fuel-feed mechanism for oil. F. W. Severin. 1,640,579; Aug. 30.
Engines, Fuel-pumping mechanism for internal-combustion. E. L. Lowe. 1,640,509; Aug. 30.
Engines, Governing mechanism for oil. F. W. Severin. 1,640,578; Aug. 30.
Engines, Limit governor for internal-combustion. G. Niederehe and W. E. Lawrence. 1,640,615; Aug. 30.
Engines, Lubricating arrangement for internal-combustion or like. M. J. B. Barbarou. 1,640,973; Aug. 30.
Envelope. S. M. Aitelli. 1,640,685; Aug. 30.
Eraser cleaner. L. E. Joslin. 1,641,000; Aug. 30.
Extracting and cleaning machine, Cotton-. J. E. Mitchell. 1,640,420; Aug. 30.
Extractor: *See*—
Centrifugal extractor.
Fabric-cutting machine. O. I. Judelshon. 1,640,833; Aug. 30.
Fabrics, paper, and other materials, Treatment of. R. H. Chatham. 1,640,596; Aug. 30.
Fastener, Paper. D. M. Diggs. 1,640,398; Aug. 30.
Fastening apparatus, Metal-container sealing-closure-. F. C. Thornton. 1,640,585; Aug. 30.
Faucet. A. C. Brown. 1,640,527; Aug. 30.
Faucet. G. W. Cooke. 1,640,692; Aug. 30.
Faucet, Dispensing. W. E. Leibing. 1,640,945; Aug. 30.
Feed water, Heating boiler. G. H. Gibson. 1,641,138; Aug. 30.
Feeding apparatus for pulverized material. E. H. Hamilton and L. W. Kirk. 1,640,770; Aug. 30.
Filler with rubber, Mixing a soluble. C. H. Campbell. 1,640,818; Aug. 30.
Filling machines, Attachment for. H. M. Crumbaugh and H. M. Wilson, sr. 1,640,482; Aug. 30.
Filter, Edge. E. A. Forsberg. 1,640,698; Aug. 30.
Finger attachment. M. Dovidaitis. 1,640,490; Aug. 30.
Fire-box arch. D. E. Moore. 1,641,043; Aug. 30.
Fire escape, Porch. H. E. Hodgson. 1,640,702; Aug. 30.
Fire extinguisher for oil and gas wells. E. A. Kliewer. 1,640,838; Aug. 30.
Fire extinguisher for oil wells. E. A. Kliewer. 1,640,839; Aug. 30.
Fireplace. H. G. Heinish. 1,640,937; Aug. 30.
Fish at traps, Removing and catching the scales of. G. H. Hinton and T. W. Marsh. 1,640,990; Aug. 30.
Fish lures, Manufacturing. R. H. Conn. 1,640,599; Aug. 30.
Fishing reel. S. G. Russell. 1,640,375; Aug. 30.
Flash-producing apparatus. L. Seguin and A. Seguin. 1,640,966; Aug. 30.
Flax-cleaning machine. G. A. Lowry. 1,640,461; Aug. 30.
Flexible coupling. C. Raisig. 1,640,852; Aug. 30.
Floor slabs and the like of cork and similar materials, Manufacturing. J. E. Jensen. 1,640,659; Aug. 30.
Floor-surfacing machine. L. M. Gries. 1,640,933; Aug. 30.
Fluid engine. A. R. D. Reese. 1,640,616; Aug. 30.
Fluid-operated motor. J. A. Kallbeck. 1,641,001; Aug. 30.
Foot covering, Ornamental. H. M. G. Könicke. 1,640,898; Aug. 30.
Foot protector. C. E. Sankey. 1,640,669; Aug. 30.
Football protective harness. H. Goldsmith and W. A. Sonnett. 1,640,654; Aug. 30.
Footwear. C. C. Loomis and H. W. Banks 3d, 1,640,948; Aug. 30.
Footwear. J. Solomon. 1,640,857; Aug. 30.
Form for shaping articles, Adjustable. W. H. Frater. 1,640,827; Aug. 30.
Frame: *See*—
Sash frame.
Spectacle and eyeglass frame.
Freezing process. W. S. Glennan. 1,641,139; Aug. 30.
Friction lining and making the same. J. D. Rohrer. 1,640,373; Aug. 30.
Front-wheel brake. H. Perrot. 1,640,577; Aug. 30.
Fruit peeler. D. Heller and A. C. Parlini. 1,640,656; Aug. 30.
Fruits for canning, Machine for preparing. C. H. Ayars. 1,640,745; Aug. 30.
Fuel burner. G. F. Embshoff. 1,640,759; Aug. 30.
Fuel tank, Motor-vehicle. J. T. Roaten and R. Bedford. 1,640,722; Aug. 30.
Furnace: *See*—
Electric furnace. Smelting furnace.
Roasting furnace.
Furnace method, Blast-. F. W. Davis. 1,640,485; Aug. 30.
Furnaces, Air indicating and regulating apparatus for. R. L. Blanchard. 1,640,921; Aug. 30.
Furnaces, Splasher plate for blast. J. L. Mauthe. 1,640,663; Aug. 30.
Fuse-setting machine. G. W. Beatty. 1,640,392; Aug. 30.
Game. E. H. Shore. 1,641,015; Aug. 30.
Game apparatus, Baseball. S. J. Brutofski and J. Armstrong. 1,640,878; Aug. 30.
Game, Covered indicating chance disk. S. O. Jacks. 1,640,998; Aug. 30.
Game, Moving-target. C. J. Mach. 1,640,954; Aug. 30.
Garment press. W. H. Dorsey. 1,640,351; Aug. 30.
Garment-pressing machine. F. E. Baker and W. L. Taylor. 1,641,131; Aug. 30.
Gas engine. B. C. Stickney. 1,641,105; Aug. 30.
Gas-meter attachment. C. B. Gamble. 1,641,079; Aug. 30.
Gas, Method and apparatus for the compression or expansion of a. E. J. Creel. 1,641,121; Aug. 30.
Gas moistener. H. M. Fleuker. 1,641,028; Aug. 30.
Gasket, Bottle or bag. S. J. Stanley. 1,640,430; Aug. 30.
Gasometers, Sealing material for. R. Mezger. 1,641,089; Aug. 30.
Gate. C. M. Edwards. 1,640,757; Aug. 30.
Gauge: *See*—
Liquid-level gauge. Radial setting gauge.
Gauge trap. R. H. Crosby. 1,640,600; Aug. 30.
Gear-changing apparatus. R. M. Ruck. 1,640,808; Aug. 30.
Gear set, Transmission-. I. O. Thorley. 1,640,628; Aug. 30.
Gear, Speed-change. A. B. Clark. 1,640,882; Aug. 30.
Generators, Fire box for steam. G. A. Bryan. 1,640,346; Aug. 30.
Generators of automobiles, Brush-adjusting means for. H. L. Arnest. 1,640,917; Aug. 30.
Glare shield. H. H. Irwin. 1,640,897; Aug. 30.
Glass, Apparatus for feeding molten. J. H. O. Bunge. 1,641,133; Aug. 30.
Glass machines, Method and apparatus for regulating. P. Kucera. 1,640,944; Aug. 30.
Gluing machine. C. H. Ohlsson. 1,640,467; Aug. 30.
Golf bag. J. E. Schank. 1,640,809; Aug. 30.
Golf-game apparatus. W. Gaston. 1,640,699; Aug. 30.
Golf practicing and training device. W. J. Goldsworthy. 1,640,765; Aug. 30.
Governor. F. B. Morrison. 1,640,713; Aug. 30.
Grading apparatus. N. G. Morgan. 1,640,365; Aug. 30.
Grading machine. W. T. B. Roberts. 1,640,372; Aug. 30.
Grate. W. A. Hannum. 1,640,771; Aug. 30.
Grate, Dumping. S. J. A. Wiebe. 1,640,632; Aug. 30.
Grinding ball and process of making. T. S. Curtis. 1,640,885; Aug. 30.
Grinding machine, Face-. A. W. Morton. 1,640,715; Aug. 30.
Grinding machines for grinding clays, shales, and other dry and sundry materials, Grinding pan for. T. A. Hibbins. 1,640,772; Aug. 30.
Grinding wheel. B. M. W. Hanson. 1,640,991; Aug. 30.
Grubber or cultivator. G. K. Spitzenberg. 1,640,811; Aug. 30.
Gun sight. J. D. Woods. 1,641,019; Aug. 30.
Gutter hanger. W. Peirez. 1,640,360; Aug. 30.
Gyroscopic stabiliser system. B. G. Lamme. 1,640,549; Aug. 30.
Hair, Permanent waving of. S. and H. Bonat. 1,640,345; Aug. 30.
Hammer, Automatic chisel. M. W. Gaillard. 1,641,031; Aug. 30.
Hammer, Power. G. E. Hieber. 1,640,570; Aug. 30.
Hand clamp. S. N. Coleman. 1,640,883; Aug. 30.
Hand bags and the like, Handle for. M. White and D. I. Reiter. 1,640,522; Aug. 30.
Handlebars, Attachment for. E. K. Kühn. 1,640,454; Aug. 30.
Hanger: *See*—
Brake hanger. Gutter hanger.
Hatband. O. Hills. 1,640,895; Aug. 30.
Headlight, Dirigible. T. F. Taylor. 1,640,738; Aug. 30.
Hearing shell. K. A. Schucker. 1,640,908; Aug. 30.
Heat exchanger. C. F. Braun. 1,640,746; Aug. 30.
Heat-indicating instrument, Motor-. G. H. Townsend. Des. 73,392; Aug. 30.
Heater: *See*—
Rivet heater. Water heater.

Heating installation, Central. D. van der Woude. 1,640,629; Aug. 30.
Heating or ventilating register, C. Englert. 1,640,566; Aug. 30.
Heating system. L. Graffin. 1,640,766; Aug. 30.
Heel marker, Wood-. N. W. Kinney. 1,640,359; Aug. 30.
Heel, Rubber. J. B. Hadaway. 1,640,854; Aug. 30.
Heel, Shoe. H. N. Atwood. 1,640,686; Aug. 30.
High-tension switch. F. P. Lawler. 1,640,455–7; Aug. 30.
Hinge. J. E. Belliveau. 1,640,525; Aug. 30.
Hinge for storm sashes. F. Jachimstal. 1,641,036; Aug. 30.
Hollow articles of rubber, Manufacture of. C. H. Cray. 1,640,987; Aug. 30.
Horn button. L. Blackmore. 1,640,875; Aug. 30.
Hose-supporter clasp. J. M. Bodensiek. 1,640,689; Aug. 30.
Human remains and article made thereby, Perpetuating. A. Vanderlaan. 1,640,680; Aug. 30.
Humidifier. J. Schulz. 1,640,379; Aug. 30.
Humidifier, Air-cleansing. W. J. Bridges. 1,640,641; Aug. 30.
Hydrocarbon-vaporizing device for starting motors. T. J. Litle, jr. 1,640,902; Aug. 30.
Hydrocarbons, Purifying. L. W. Parsons and S. P. Coleman. 1,640,720; Aug. 30.
Ice-cream-cone storing and dispensing device. A. Leon and J. Lattimer. 1,641,040; Aug. 30.
Ignition magneto. W. W. Hawkins. 1,640,936; Aug. 30.
Ignition system and switch therefor. W. Hemingway, jr. 1,641,140; Aug. 30.
Ignition timer. G. Schadee. 1,640,725; Aug. 30.
Illuminating device. J. A. O'Neil. 1,640,423; Aug. 30.
Impulse sender. R. F. Stehlik. 1,640,473; Aug. 30.
Indenture. P. Zalkind. 1,640,684; Aug. 30.
Indicator: *See*—
Liquid-level indicator.
Inductor coil, Air-cooled. E. F. Northrup. 1,640,799; Aug. 30.
Inner-tube boot. B. V. Gilmore. 1,640,403; Aug. 30.
Insulated conductors, Machine for forming armored. J. H. Hunter. 1,640,939; Aug. 30.
Insulating element. J. J. Weldon. 1,640,433; Aug. 30.
Insulator. H. D. Brookman. 1,640,815; Aug. 30.
Internal-combustion engine. O. J. Eckland. 1,640,696; Aug. 30.
Internal-combustion engine. J. Gerstmayr. 1,640,445; Aug. 30.
Internal-combustion engine. C. E. Lucke. 1,640,950; Aug. 30.
Internal-combustion engine. V. A. Nelson. 1,640,552; Aug. 30.
Internal-combustion engine. O. Nelson and P. Lignell. 1,640,958; Aug. 30.
Internal-combustion engine. C. G. A. Rosén. 1,640,518; Aug. 30.
Internal-combustion engine. W. F. Smith. 1,640,622; Aug. 30.
Internal-combustion engine. K. M. Wise. 1,640,634; Aug. 30.
Iron castings, Making malleable-. H. A. Schwartz. 1,640,674; Aug. 30.
Ironing-machine steam remover. P. E. Geldhof. 1,641,137; Aug. 30.
Jack: *See*—
Shoe jack.
Jack. F. J. Jackson. 1,640,411; Aug. 30.
Jewel bearings, Making concentric bushings for. H. Colomb. 1,640,848; Aug. 30.
Joint: *See*—
Rail joint. Railway-rail joint.
Knitted fabric. M. D. Brown. Des. 73,366; Aug. 30.
Knitting machine, Automatic. E. W. Scott. 1,641,101; Aug. 30.
Lamp device. M. B. Cary. Re16,722; Aug. 30.
Lamp, Electric incandescent. H. Workman. 1,640,867; Aug. 30.
Lamp fixture, Electric cluster. A. T. Blackburn. Des. 73,365; Aug. 30.
Lamp for photographing, Electric arc. H. Traut. 1,640,913; Aug. 30.
Lamp, Hand arc. S. M. Meyer. 1,640,793; Aug. 30.
Lamp, Incandescent electric. F. Czech. 1,641,068; Aug. 30.
Lamp, Incandescent electric. J. A. Heany. 1,640,829; Aug. 30.
Lamp mounting, Vehicle. E. J. Cook. 1,640,923; Aug. 30.
Lamp, Vehicle. J. H. MacPherson. 1,641,041; Aug. 30.
Lamp, Vehicle signal. C. A. Shoemaker. 1,641,056; Aug. 30.
Lamps, Attachment for bridge arm. G. W. Cassidy. Des. 73,367; Aug. 30.
Lantern. J. W. Gosling. 1,640,446; Aug. 30.
Lantern. A. Weber. Des. 73,393; Aug. 30.
Lasting machine. W. F. Flickinger. 1,640,697; Aug. 30.
Latch, Gate. E. Crowley. 1,640,394; Aug. 30.
Latch, Ring. R. G. Talley. 1,641,058; Aug. 30.
Lead, Refining. P. W. Davis. 1,640,486–7; Aug. 30.
Leaks, Mixture for stopping. J. D. Campano. 1,641,066; Aug. 30.
Leather manufacture. J. K. Tullis. 1,640,914; Aug. 30.
Leather, Treatment of. M. C. Lamb. 1,640,706; Aug. 30.
Lens, Shading. M. La Rocco. 1,640,661; Aug. 30.
Lifter: *See*—
Type-frame lifter.
Light and cigar lighter, Combined trouble. H. C. Liebing. 1,640,507; Aug. 30.
Light: *See*—
Arc light. Cowl light.
Light bezel, Dome-. A. L. Knapp. Des. 73,383; Aug. 30.
Lighting fixture. C. G. Wing. Des. 73,395; Aug. 30.
Lighting-fixture canopy. M. Schlepp. Des. 73,390; Aug. 30.
Lighting unit. C. A. B. Halvorson, jr. 1,640,448; Aug. 30.
Lime, Hydration of. H. Dittlinger. 1,640,602; Aug. 30.
Liner puller. R. W. Donowho and H. M. Ballweber. 1,640,489; Aug. 30.
Liner puller. R. W. Donowho and H. M. Ballweber. 1,640,490; Aug. 30.
Lining, Coat. D. H. Hodes. 1,640,501; Aug. 30.
Link-drive mechanism. C. N. F. Knapé. 1,640,548; Aug. 30.
Lip-stick container. G. H. Wayne. 1,640,386; Aug. 30.
Liquid-fuel burner. E. I. Staples. 1,641,017; Aug. 30.
Liquid-level gauge. B. P. Joyce. 1,640,606; Aug. 30.
Liquid-level indicator. C. Carson. 1,641,116; Aug. 30.
Lock: *See*—
Automobile lock. Coin-controlled lock.
Lock. A. G. Hatch. 1,640,935; Aug. 30.
Locomotive fire door. P. J. Weirich. 1,640,866; Aug. 30.
Locomotive lubricator sight. W. F. Mitchell. 1,640,512; Aug. 30.
Locomotives and the like, Exhaust-steam injector for. E. Blauhorn. 1,640,688; Aug. 30.
Locomotives, Electrical system for. S. W. Farnham. Re16,721; Aug. 30.
Loom. S. and R. H. Barnwell. 1,640,813; Aug. 30.
Loom dobby. J. F. Blackmon. 1,641,111; Aug. 30.
Looms, Warp-tension equalizer for. T. C. Demers. 1,641,024; Aug. 30.
Louver ventilator. R. C. and G. L. Yager. 1,640,588; Aug. 30.
Lubricating cup, Automatic. G. F. Herbst. 1,640,407; Aug. 30.
Lubricating system. S. Dawson. 1,641,125; Aug. 30.
Lumber carrier. E. A. Oetzen. 1,640,718; Aug. 30.
Machine for detecting flaws. F. Firestone. 1,640,567; Aug. 30.
Machine for washing dishes and other articles. E. L. Couch. 1,640,693; Aug. 30.
Machines, Detachable feeding table for. W. C. Fellows. 1,640,400; Aug. 30.
Magazine clip. W. Halket and W. L. Van Valkenburg. 1,640,497; Aug. 30.
Mail box. E. V. O. Davis. 1,640,888; Aug. 30.
Mail box, Automatic. L. H. Schäfer. 1,641,098; Aug. 30.
Mail chute, Adjustable. N. Cohan. 1,640,981; Aug. 30.
Manure conveyer, Barn. B. W. Flintrop. 1,640,825; Aug. 23.
Marine engine. M. G. Barker. 1,640,974; Aug. 30.
Marking machine. D. E. Harding. 1,641,082; Aug. 30.
Mat. E. Gaudet. 1,641,029; Aug. 30.
Mausoleums, Draining system for. T. F. Cullinan. 1,641,123; Aug. 30.
Mausoleums, Ventilating system for. T. F. Cullinan. 1,641,124; Aug. 30.
Measuring angles, Sighting instrument for. F. C. Armstrong. 1,640,435; Aug. 30.
Measuring heat quantities, Apparatus for. V. S. K. Petersen. 1,640,801; Aug. 30.
Mensuring instrument. H. S. Percival. 1,640,425; Aug. 30.
Measuring machines, Automatically-controlled shutter for. J. L. Wheeler and G. C. Hosch. 1,640,387; Aug. 30.
Meat-block cleaner. J. E. Small. 1,641,103; Aug. 30.
Mechanical movement. C. C. Hartman and H. A. Welcher. 1,640,655; Aug. 30.
Medicinal agent adapted for glandular therapy. G. P. Metz. 1,640,709; Aug. 30.
Medicinal pencil and inhaler, Combined. W. C. Belmonte. 1,640,687; Aug. 30.
Mercury meter. F. P. Church. 1,640,438–9; Aug. 30.
Metal catalysts contaminated by sulphur, Regeneration of. E. A. Prudhomme. 1,640,668; Aug. 30.
Metal-working machine. B. M. W. Hanson. 1,640,993–4; Aug. 30.
Metals, Mold for casting. C. E. Magill. 1,640,843; Aug. 30.
Meter: *See*—
Mercury meter.
Micrometer, Electric. A. V. Mershon. 1,640,464; Aug. 30.
Mold: *See*—
Casting mold.
Mortar to hollow bricks, Applying. K. E. W. Jagdmann. 1,640,658; Aug. 30.
Motor: *See*—
Fluid-operated motor. Rowboat motor.
Motor brake. A. Dewandre. Re16,723; Aug. 30.
Motor cylinders for carbon deposit, Treatment of internal-combustion-. J. F. Canning. 1,640,690; Aug. 30.
Muffler and heater, Combined. J. W. Keenan. 1,641,086; Aug. 30.
Mural decoration. C. R. Lamb. 1,640,781; Aug. 30.
Musical instrument, Automatic. G. M. Russell. Re16,729; Aug. 30.

N-dihydro-dianthraquinone-axine compounds and making same. J. H. Sachs. 1,640,724; Aug. 30.
Newspaper vender. J. D. O'Flynn. 1,640,666; Aug. 30.
Nipple and mounting, Condenser-tube. W. S. Monroe. 1,640,576; Aug. 30.
Nitration process and nitrating mixture therefor. G. B. Taylor and A. S. Richardson. 1,640,737; Aug. 30.
Nonmetallic material, Detecting metal particles in. R. W. Augustine. 1,640,524; Aug. 30.
Nut and allied fastening means, Lock. P. J. Russell. 1,640,374; Aug. 30.
Oil and fuel saver. I. A. Weaver. 1,640,805; Aug. 30.
Oil, Apparatus for purifying used mineral lubricating. R. E. Langston. 1,640,415; Aug. 30.
Oil burner. E. Marr. 1,640,418; Aug. 30.
Oil burner. L. L. Scott. 1,640,730–1; Aug. 30.
Oil burner, Domestic. L. L. Scott. 1,640,728; Aug. 30.
Oil-burning system. L. L. Scott. 1,640,729; Aug. 30.
Oil can. G. Lidseen. 1,641,088; Aug. 30.
Oil can. J. H. Rheney. 1,641,051; Aug. 30.
Oil can, Lubricating. G. Merz. 1,640,511; Aug. 30.
Oil cup. F. M. Furber. 1,640,495; Aug. 30.
Oils, Distilling. F. A. Howard and N. E. Loomis. 1,640,938; Aug. 30.
Oils, Process and apparatus for cracking hydrocarbon. W. F. Faragher and W. A. Gruse. 1,640,444; Aug. 30.
Operating device and disconnecting switch. C. Aalborg and F. C. Wilharm. 1,640,558; Aug. 30.
Packing and preserving food products and the package obtained thereby. E. Sutter. 1,640,860; Aug. 30.
Packing case. H. N. Knowlton. 1,640,452; Aug. 30.
Packing form. W. Fean. 1,641,073; Aug. 30.
Packing ring. B. P. Joyce. Re16,725; Aug. 30.
Painting machine. H. O. Kuhlhoff. 1,640,776; Aug. 30.
Paper box. F. J. Schleicher. 1,641,012; Aug. 30.
Paper-cutting and other machines, Automatic clamping device for. J. F. Schroeter. 1,640,965; Aug. 30.
Paper machines and textile-goods-drying machines, Drying cylinder for. E. Lütschen. 1,640,662; Aug. 30.
Paper, Wrapping. A. Lewin. Des. 73,385; Aug. 30.
Paving block. A. H. Leipert. 1,640,460; Aug. 30.
Peanuts, Process and apparatus for bleaching. A. C. Norsworthy, jr. 1,640,849; Aug. 30.
Pen and pencil clip. W. Halket. 1,640,498; Aug. 30.
Pencils, Lead-laying machine for. J. S. Furst. 1,641,078; Aug. 30.
Phonograph record. A. A. Johnson. 1,641,142; Aug. 30.
Phonometer. H. P. Dorn. 1,641,136; Aug. 30.
Photoplates for ink printing, Superdurable. A. J. Pinckney. 1,640,961; Aug. 30.
Photo-printing press. G. Marconi. 1,640,510; Aug. 30.
Pin fastener, Double-pointed-. P. E. Fenton. 1,641,075; Aug. 30.
Pipe clamp. C. C. Callery. 1,641,065; Aug. 30.
Pipe or casing and preventing seepage and leakage in wells, Method of and apparatus for setting. G. A. Hero. 1,641,035; Aug. 30.
Pipe wrench. B. Donnelson. 1,641,025; Aug. 30.
Pipes in connecter heads, Terminal sleeve for train. E. A. Robinson. 1,640,807; Aug. 30.
Piston packing ring. C. C. Farmer. 1,641,072; Aug. 30.
Pitcher for sterilized water. M. L. Slocumb. 1,640,733; Aug. 30.
Placer machine. A. C. Dennis. 1,640,565; Aug. 30.
Plaster board. J. Strand. 1,640,736; Aug. 30.
Plaster-board-fastening means. J. S. Raynor. 1,640,468; Aug. 30.
Plastic floor and bearing therefor. J. S. Miller, jr. 1,640,796; Aug. 30.
Plastic materials, Press for forming. F. C. H. Müller. 1,640,514; Aug. 30.
Plate attachment, Pie-. W. Houston. 1,640,409; Aug. 30.
Plate, Roll-off. A. K. McMillen. 1,640,957; Aug. 30.
Pliers. J. W. Ryan. 1,640,723; Aug. 30.
Pliers, Binding and cutting. E. Fouquet. 1,641,077; Aug. 30.
Plow and planter, Lister. C. G. Strandlund. 1,640,625; Aug. 30.
Plowshare. H. F. W. Wegner. 1,640,682; Aug. 30.
Polishing pencils and other rod-shaped bodies, Machine for. N. Schwänhausser and W. Schwänhausser. 1,640,910; Aug. 30.
Power actuator. C. S. Bragg and V. W. Kliesrath. 1,640,526; Aug. 30.
Power brake. A. Dewandre. Re16,724; Aug. 30.
Power press. J. C. Ledbetter. 1,640,609; Aug. 30.
Power transmitter, Hydraulic. G. A. Klimek. 1,640,608; Aug. 30.
Press: *See*—
Block press. Power press.
Garment press. Printing press.
Photo-printing press.
Press or expeller. F. V. Anderson. 1,640,342; Aug. 30.
Press-ring washer. P. G. Ehrhardt. 1,640,650; Aug. 30.
Pressure burner, Hand-pump. J. H. Hunt and H. Wallace. 1,640,774; Aug. 30.
Priming and vacuum tank. S. M. Hansen. 1,640,404; Aug. 30.
Printing chase. C. Chisholm. 1,640,347; Aug. 30.
Printing designs. A. S. Speer. 1,640,679; Aug. 30.
Printing designs, Apparatus for. A. S. Speer. 1,640,678; Aug. 30.
Printing machine. D. J. Scott. 1,641,100; Aug. 30.
Printing machines, Paper detector for. L. H. Morse. 1,640,366; Aug. 30.
Printing machines, Web-guiding mechanism for. J. J. Halliwell. 1,640,355; Aug. 30.
Printing plates, Machine for bending. C. N. Smith. 1,640,582; Aug. 30.
Printing plates, such as electrotype and stereotype plates, Machine for heating and bending metallic. C. N. Smith. 1,640,580–1; Aug. 30.
Printing press. M. W. Brueshaber. 1,640,976–7; Aug. 30.
Pruning shears. H. W. Atkins. 1,640,635; Aug. 30.
Puller: *See*—
Bearing puller. Valve puller.
Line puller. Weed puller.
Pulley, Safety. A. G. Steinmayer. 1,640,624; Aug. 30.
Pulp from printed waste paper, Recovery of. E. T. McGregor. 1,640,612; Aug. 30.
Pulp having a high percentage of resistant cellulose, Producing. G. A. Richter. 1,640,853; Aug. 30.
Pump. H. Wallace. 1,640,741; Aug. 30.
Pump. H. Wallace and J. H. Hunt. 1,640,742; Aug. 30.
Pump, Centrifugal. H. A. F. Borneman. 1,640,591; Aug. 30.
Pump, Duplex. K. F. Gerhard. 1,640,402; Aug. 30.
Pump, Gear. L. L. Scott. 1,640,727; Aug. 30.
Pump or turbine, Axial-flow. E. F. Delery. 1,640,601; Aug. 30.
Pump, Tire. R. C. Bushnell. 1,640,880; Aug. 30.
Pyrotechnic signal. H. C. Gammeter. 1,604,892; Aug. 30.
Rack: *See*—
Display rack.
Radial setting gauge. L. B. Carlson. 1,641,114; Aug. 30.
Radiator. O. S. Beyer. 1,640,874; Aug. 30.
Radiators of motor cars, Ornament for. H. S. Hewitt. Des. 73,378; Aug. 30.
Radioantenna, Portable. H. Farkouh. 1,640,929; Aug. 30.
Radiografonola. F. J. Renner. Re16,728; Aug. 30.
Radio loud speaker. S. A. Baker. Des. 73,363; Aug. 30.
Radio receiving system. C. W. Rice. 1,640,427; Aug. 30.
Radio speaker stand. I. De Kaiser. Des. 73,370; Aug. 30
Radio telegraph system. W. L. Carlson and G. W. Carpenter. 1,640,881; Aug. 30.
Rail fastening. T. Buchholz. 1,640,750; Aug. 30.
Rail-holding device for anticreeper. W. G. Coughlin. 1,640,925; Aug. 30.
Rail joint. C. Eickemeyer. 1,640,985; Aug. 30.
Rail joint. W. Sipes. 1,641,014; Aug. 30.
Rail structure. G. Standfest, jr. 1,640,858; Aug. 30.
Railway-rail joint. P. McGinley. 1,640,791; Aug. 30.
Railway tie, Metal. W. W. Mechling. 1,640,846; Aug. 30.
Railway-traffic-controlling apparatus. R. A. McCann. 1,640,419; Aug. 30.
Rat guard. N. Heymann. 1,641,081; Aug. 30.
Rat trap. A. S. Bacon. 1,641,062; Aug. 30.
Receptacle cover. A. C. Grunwald. 1,640,934; Aug. 30.
Receptacle, Display. C. T. Hatch. 1,640,405; Aug. 30.
Recording time, Machine for. P. Mansel. 1,640,955; Aug. 30.
Rectal appliance. A. Donovan. 1,640,928; Aug. 30.
Reed braid. M. B. Lloyd. 1,640,946; Aug. 30.
Reed-weaving machine. M. B. Lloyd. 1,640,610; Aug. 30.
Reel: *See*—
Fishing reel.
Reenforced wheel. I. M. Laddon, W. A. Ring, and F. W. Herman. 1,640,573; Aug. 30.
Register: *See*—
Autographic register.
Heating or ventilating register.
Regulator: *See*—
Sash regulator. Window regulator.
Relay. M. B. Stazak. 1,640,431; Aug. 30.
Resilient wheel. L. P. Miller. 1,640,613; Aug. 30.
Ring: *See*—
Packing ring. Piston packing ring.
Ring element, Resilient. E. Tausch. 1,641,059; Aug. 30.
Rivet heater. P. J. Culhane, jr. 1,641,122; Aug. 30.
Rivet heater. W. E. Irish. 1,641,085; Aug. 30.
Road form. H. A. Trester. 1,640,730; Aug. 30.
Road marker. H. O. Kuhlhoff. 1,640,777; Aug. 30.
Roasting furnace. H. J. Hartley, E. J. Fowler, and D. Baird. 1,640,988; Aug. 30.
Rod and reel. C. L. Dewey. 1,640,350; Aug. 30.
Rod, clamp and clevis. A. O. Koppin. 1,641,038; Aug. 30.
Roll-making machine. O. Schlaupitz and W. Schum. 1,640,964; Aug. 30.
Roofing. C. W. Scoggin. 1,640,619; Aug. 30.
Roofing elements, Process and apparatus for making. T. Robinson. 1,640,900; Aug. 30.
Rope or wick package, Asbestos. G. U. Obetz and R. F. Walter. 1,640,368; Aug. 30.
Rotors, Guide body for reaction. H. Fritzel. 1,640,891; Aug. 30.
Rowboat motor. F. K. Johnson. 1,640,999; Aug. 30.
Rubber containing plastics and products obtained thereby, Preparing. J. McGavack. 1,640,363–4; Aug. 30.
Rubber, Laminated. L. C. Peterson. 1,640,800; Aug. 30.
Rubber, Machine for treating. J. Kearns. 1,640,834; Aug. 30.
Rubber, Making reclaimed. C. H. Campbell. 1,640,817; Aug. 30.
Safety appliance. W. E. Smiley. 1,640,077; Aug. 30.

Safety switch, Automatic. B. B. Dolly. 1,640,695; Aug. 30.
Salt and pepper shaker, Combination. T. C. Helsey. Des. 73,377; Aug. 30.
Sand distributor. T. E. Barton. 1,640,686; Aug. 30.
Sash frame, Fireproof. O. W. L. Buss. 1,640,595; Aug. 30.
Sash-regulating device. K. H. Gettner. 1,640,931; Aug. 30.
Sash regulator. C. Ungerman. 1,640,864; Aug. 30.
Saw guard. G. J. Procknow. 1,640,517; Aug. 30.
Saw, High-speed friction. A. Jacobowitz. 1,640,832; Aug. 30.
Scale. P. A. Engle. 1,641,070; Aug. 30.
Scale. G. W. Kepler. 1,640,836; Aug. 30.
Scale, Beam. D. Siebenmann. 1,640,967; Aug. 30.
Scale, Vehicle load. G. W. Gartner. 1,640,930; Aug. 30.
Scales, Weight-registering gauge for weighing. M. Scherr. 1,640,520; Aug. 30.
Scraper. I. Niemi. 1,641,007; Aug. 30.
Screen and deflector, Combination hot-air. F. A. Walloch. 1,640,630; Aug. 30.
Screen belt for the mechanical purification of water, Rotating endless. E. Geiger. 1,640,653; Aug. 30.
Seal and making same, Hermetic. M. Jaeger. 1,640,940; Aug. 30.
Seat: *See*—
Automobile seat.
Seat adjuster. F. Ammon. 1,640,812; Aug. 30.
Selector switch. E. O. Walker. 1,640,385; Aug. 30.
Sewing machines, Looper-actuating mechanisms for. A. B. Clayton. 1,641,135; Aug. 30.
Shades on the vegetable fiber and in materials treated according to such process, Producing combined. G. Petzold and H. Rittner. 1,640,802; Aug. 30.
Shaft construction. C. D. R. Schaeffer. 1,640,670; Aug. 30.
Shaft-driving stand, Flexible. W. W. Elliott. 1,641,130; Aug. 30.
Shampoo shield. J. E. Shaeffer. 1,640,676; Aug. 30.
Sharpener, Blade. E. Feist. 1,641,074; Aug. 30.
Shawl, Shower. H. La Beaud. 1,641,039; Aug. 30.
Shears: *See*—
Pruning shears.
Shelling and polishing grain and the like, Machine for. M. Hoff. 1,640,996; Aug. 30.
Shields, Shoulder-strap holder for arm-pit. A. B. Mahoney. 1,641,004; Aug. 30.
Shingle. G. Ritter. 1,640,806; Aug. 30.
Shipping box and holder for flowers and the like. P. Morin and F. D. Lorens. 1,640,797; Aug. 30.
Shirt attachment. O. G. I. O'Heir. 1,641,008; Aug. 30.
Shock absorber. J. B. Adduci. 1,640,340; Aug. 30
Shock absorber. H. M. Benson. 1,641,021; Aug. 30.
Shock absorber. H. Herbert and J. A. Lambert. 1,640,894; Aug. 30.
Shock absorber. F. J. Laher. 1,640,785; Aug. 30.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,640,421–2; Aug. 30.
Shocker. C. Christiansen. 1,640,598; Aug. 30.
Shoe. J. M. Wilke, sr. 1,640,638; Aug. 30.
Shoe heels, Antifriction device for. S. Buchsbaum. 1,640,593; Aug. 30.
Shoe jack. S. N. Coleman. 1,640,884; Aug. 30.
Shoe-ornament holder, Flapping-. F. A. Muscente. 1,640,665; Aug. 30.
Shoes, Manufacture of. J. J. Mahler and H. D. Webb. 1,640,362; Aug. 30.
Shoes, Manufacturing rubber. E. W. Dunbar and H. Westling. 1,641,128; Aug. 30.
Short circuiter. E. P. Larsh. 1,640,900; Aug. 30.
Shut-off, Automatic. J. A. Lockhart. 1,640,947; Aug. 30.
Signal: *See*—
Automobile signal. Traffic signal.
Pyrotechnic signal. Vehicle signal.
Signaling system, Carrier-current. D. G. Little. 1,640,550; Aug. 30.
Skate, Roller. H. F. Whitcomb, jr. 1,640,476; Aug. 30.
Skins, Degreasing. C. A. Brown and G. J. Esselen, jr. 1,640,478; Aug. 30.
Slotting machine. A. W. Parkes. 1,640,719; Aug. 30.
Smelting furnace. T. Lewin. 1,640,574; Aug. 30.
Smoke washer. T. Thurchak. 1,641,018; Aug. 30.
Snubber. J. I. Everest. 1,640,651; Aug. 30.
Socket adapter. F. H. Weston. 1,640,484; Aug. 30.
Socket, Multiple sucker-rod. A. H. Neilson. 1,640,847; Aug. 30.
Soles, Machine for pressing. A. B. Fowler. 1,640,353; Aug. 30.
Solids from liquids or liquids from liquids, Machine for separating. W. C. Laughlin. 1,640,707; Aug. 30.
Sound apparatus. A. du Bois-Reymond. 1,640,538; Aug. 30.
Sound, Transmitting, recording, and reproducing. J. Tykocinski-Tykociner. 1,640,557; Aug. 30.
Spanner. A. E. Thomas. 1,640,383; Aug. 30.
Spark arrester. C. S. Calhoun. 1,641,022; Aug. 30.
Spark-arresting device. J. Slocum. 1,641,102; Aug. 30.
Spectacle and eyeglass frame, Combination metal and nonmetal. E. R. Durgin. 1,640,824; Aug. 30.
Speed induction-motor set, Variable-. C. W. Kincaid. 1,640,547; Aug. 30.
Speed-selecting device. V. W. Balzer and J. M. Ballou. 1,640,872; Aug. 30.
Sphygmomanometer. G. F. Beachler. 1,640,920; Aug. 30.
Spindles and bobbins or spools, Friction connection for. E. J. Emery. 1,640,760; Aug. 30.
Spokes, Making and finishing. G. F. Scherer. 1,640,377; Aug. 30.
Spoon or similar article. J. Leach. Des. 73,384; Aug. 30.
Spotting and labeling machine. C. H. Oslund and J. E. Johnson. 1,641,045; Aug. 30.
Spray-forming device. J. and E. A. Isenhart and W. E. Johnson. 1,640,546; Aug. 30.
Sprayer. R. J. Coffey. 1,641,023; Aug. 30.
Spring: *See*—
Air spring. Vehicle spring.
Sprinkler. G. Buelna. 1,640,751; Aug. 30.
Square, Combination. R. W. Hauber. 1,640,604; Aug. 30.
Stamp, Flexible hand. F. L. Lake. 1,640,414; Aug. 30.
Stand: *See*—
Shaft-driving stand.
Starting and stopping mechanism. M. H. Ballard. 1,640,871; Aug. 30.
Steam boiler. L. D. Copeland. 1,640,535; Aug. 30.
Steel die and plate presses, Attachment for. E. O'Hara. 1,640,553; Aug. 30.
Steering gear. B. Williams. 1,640,388; Aug. 30.
Steering wheel, Locking. H. D. Geyer and A. W. Scott. 1,640,763; Aug. 30.
Stem-making machine. H. De Jong. 1,640,442; Aug. 30.
Stemming machine. G. R. Cornwall. 1,641,120, Aug. 30.
Sterilizing cotton and other seeds. P. H. Rylander. 1,641,097; Aug. 30.
Stokers, Conveyor for. A. M. Hunt. 1,640,704; Aug. 30.
Stool and chair construction. W. Edwards. 1,641,129; Aug. 30.
Stove. H. M. Britan. 1,641,064; Aug. 30.
Stove, Electric. C. A. Pierson. 1,640,371; Aug. 30.
Stove, Gas-burner cook. A. F. Thompson. 1,640,861; Aug. 30.
Strap: *See*—
Wheel-shipping strap.
Structural members, Device for use in and process of incasing. J. M. Crom. 1,640,983; Aug. 30.
Styrene, Recovering. R. L. Brown. 1,640,975; Aug. 30.
Sulphur, Controlling evolutions of elemental. G. N. Kirsebom. 1,640,837; Aug. 30.
Suspensory. G. S. Peterkin. 1,641,094; Aug. 30.
Swimming appliance. V. V. Bacon. 1,640,390; Aug. 30.
Swing. W. H. Tierney. 1,640,862; Aug. 30.
Switch: *See*—
Electric switch. Selector switch.
High-tension switch. Train-line switch.
Safety switch.
Table: *See*—
Billiard table. Convertible table.
Table and tray, Combination. I. Conrad. 1,640,440; Aug. 30.
Table or tray, Portable and collapsible. I. Conrad. 1,640,441; Aug. 30.
Table top, Composite. C. J. Schmitt. 1,641,055; Aug. 30.
Tabular calculator. A. W. Hoffman. 1,640,703; Aug. 30.
Tank: *See*—
Fuel tank.
Tank. E. B. Staley. 1,640,471; Aug. 30.
Teeter-totter and merry-go-round, Combination. W. F. Norris. 1,640,848; Aug. 30.
Telautograph receivers, Field-magnet mechanism for. A. N. Van Nostrand. 1,640,384; Aug. 30.
Telegraph transmitter. W. G. Fluharty. 1,640,541; Aug. 30.
Telephone apparatus. W. E. Perry. 1,640,721; Aug. 30.
Telephone diaphragm. C. G. Wieland. 1,640,915; Aug. 30.
Telephone-record ticket pack. C. J. Gutberlet. 1,640,769; Aug. 30.
Telephone system, Automatic. R. F. Gould. 1,640,568; Aug. 30.
Telephone system, Automatic. T. G. Martin. 1,640,551; Aug. 30.
Telephone systems, Service-observing equipment for. M. Schwartz. 1,640,675; Aug. 30.
Tester. J. K. Hartline. 1,640,995; Aug. 30.
Testes-treating apparatus. D. B. Catlin. 1,640,479; Aug. 30.
Textile fabric. H. Hausman. Des. 73,376; Aug. 30.
Theft-preventing bolt. M. G. Kotler. 1,640,840; Aug. 30.
Thermal-responsive switch mechanism and protective system employing the same. C. I. Hall. 1,640,447; Aug. 30.
Thermocouple, Ventilated. R. P. Brown. 1,640,816; Aug. 30.
Thermometer case. E. L. Bellows. 1,641,020; Aug. 30.
Thread guard. W. H. Westerman. 1,640,969; Aug. 30.
Thread protector. W. H. Westerman. 1,640,970; Aug. 30
Threaded members and the like, Method of and apparatus for grinding. B. M. W. Hanson. 1,640,992; Aug. 30.
Tie: *See*—
Railway tie.
Tile, Nonslip floor. T. S. Curtis. 1,640,886; Aug. 30.
Timing device. J. Mulder. 1,640,716; Aug. 30.
Tire-display holder. M. Metzger. 1,640,792; Aug. 30.
Tire, Pneumatic. F. L. Main. 1,640,844; Aug. 30.
Tire valves, Dust cap for. J. E. Turrell and W. G. Thomas. 1,640,863; Aug. 30.

Titanium-dioxide or rutile and a product thereof, Transforming. S. J. Lubowsky. 1,640,952; Aug. 30.
Tool, Drilling. P. Brunt. 1,641,113; Aug. 30.
Tool, Drilling. S. Bullum. 1,640,644; Aug. 30.
Tool, Earth-boring. T. C. Whisler. 1,640,587; Aug. 30.
Tool-operating mechanism. G. E. Greenleaf, H. L. Blood, and R. H. Rausch. 1,640,767; Aug. 30.
Tool, Pnuematic. C. Saulia. 1,640,470; Aug. 30.
Tool, Rim. R. T. Munn. Re16,726; Aug. 30.
Tool, Threading. C. A. Johnson. 1,640,941–2; Aug. 30.
Tool, Tire. F. D. Hite. 1,641,083; Aug. 30.
Tools, Governor for pressure-fluid-operated. E. H. Shaff. 1,640,620; Aug. 30.
Top construction. J. H. Bourgon. 1,640,592; Aug. 30.
Towel holder. W. Cholnski. 1,640,820; Aug. 30.
Toy, Animal. R. D. Grove. Des. 73,374; Aug. 30.
Toy book, Mechanical. H. Druck. 1,640,399; Aug. 30.
Toy, Cane. M. A. Sweet. 1,641,057; Aug. 30.
Tractor. W. F. Smith. 1,640,621; Aug. 30.
Tractor attachment. N. D. and J. A. Newton. 1,641,006; Aug 30.
Tractor hitch. T. Brown. 1,640,642; Aug. 30.
Tractor, Turntable. R. W. Young. 1,640,389; Aug. 30.
Traffic-controlling apparatus, Railway-. R. A. McCann. 1,640,789; Aug. 30.
Traffic marker. A. R. Hunt. 1,640,830; Aug. 30.
Traffic signal. A. J. Massey. 1,640,845; Aug. 30.
Train-line switch, Electric C. C. Farmer. 1,641,071; Aug. 30.
Transformer, Auto. K. Paluefi. 1,640,424; Aug. 30.
Transformer, Current. J. F. Peters. 1,640,554; Aug. 30.
Translating device, Electric. W. M. Bruce, jr. 1,640,749; Aug. 30.
Transmission means, Rotary. M. D. Phelan. 1,640,370; Aug. 30.
Transmission system. R. D. Evans. 1,640,539–40; Aug. 30.
Transportation container. M. Gross. 1,641,030; Aug. 30.
Transporting box, Motor-vehicle. E. S. Evans. 1,641,026; Aug. 30.
Trap: *See*—
Gauge trap. Rat trap.
Trap. G. H. Hagermann. 1,641,033; Aug. 30.
Tray, Card-index. G. H. Dawson. 1,640,397; Aug. 30.
Tray, Smoker's. R. C. Bauspies. Des. 73,364; Aug. 30
Treating fresh fruit, Method and apparatus for. E. M. Brogden. 1,641,112; Aug. 30.
Treating patients by bodily movements, Apparatus for. V. J. Pearse. 1,641,093; Aug. 30.
Truck, Pumping-engine. I. Marks. 1,640,417; Aug. 30.
Truck, Railway-car. W. C. Sanders. 1,640,963; Aug. 30.
Trucks, Shim for car. F. L. Barber. 1,640,391; Aug. 30.
Truss, Pile. D. J. MacDonald. 1,640,416; Aug. 30.
Tub cover and drainer, Kitchen H. Young. 1,641,061; Aug. 30.
Tube-repairing clamp. R. Santmyer. 1,640,376; Aug. 30.
Tubes or the like, Automatic closure for collapsible. H. Lentz. 1,640,782; Aug. 30.
Tubes or the like, Closure for. F. C. Collins. 1,640,481; Aug. 30.
Tubing, Apparatus for unfitting. W. Ledig and H. Asmussen. 1,640,458; Aug. 30.
Tubing catcher. S. V. Dillon. 1,640,756; Aug. 30.
Turbine and rotary compressor. C. Lorenzen. 1,640,784; Aug. 30.
Turbine bearings, Protective means for. E. H. McFarland. 1,640,463; Aug. 30.
Turbine, Elastic-fluid. O. Junggren. 1,640,451; Aug. 30.
Turbine, Water. J. Leopold. 1,640,783; Aug. 30.
Turntable. A. L. Crescl. 1,640,982; Aug. 30.
Type-frame lifter. A. Wilson. 1,640,683; Aug. 30.
Typewriters and adding machines, Carriage-moving mechanism for. F. Gleim. 1,640,764; Aug. 30
Typewriting machine. A. G. F. Kurowski. 1,640,841; Aug. 30.
Vacuum-tank feeder. C. J. Ferguson. 1,641,076; Aug. 30.
Valve. S. C. Caldara. 1,641,141; Aug. 30.
Valve and operating device therefor. M. Dean. 1,640,537; Aug. 30.
Valve bracket, Retaining-. S. H. Campbell. 1,640,819; Aug. 30.
Valve bracket, Retaining-. F. H. Pietzsch. 1,640,804; Aug. 30
Valve, Diversion. W. F. Schultheiss. 1,640,726; Aug. 30.
Valve for garment-pressing machines. F. E. Baker. 1,641,132; Aug. 30.
Valve, Frostproof drain. A. L. Wertz. 1,640,475; Aug. 30.
Valve puller, Standing. R. C. Hawkins. 1,640,406; Aug. 30.
Valve, Standing. J. W. House. 1,640,408; Aug. 30.
Vaporizing apparatus. G. W. D'Arcy. 1,640,484; Aug. 30.
Varnish, Condensation product. A. L. Brown. 1,640,562; Aug. 30.
Vase. H. K. Green and J. W. Jennings. Des. 73,378; Aug. 30.
Vehicle, Juvenile. J. M. Howe. 1,640,357; Aug. 30.
Vehicle, signal. E. Gonder. 1,640,496; Aug. 30.
Vehicle signaling device. C. A. Godshalk. 1,640,700; Aug. 30.
Vehicle spring. F. J. Laher. 1,640,778; Aug. 30.
Vehicle spring. F. D. Parker. 1,641,009; Aug. 30.
Vehicle wheel. J. R. Winter. 1,640,523; Aug. 30.
Vehicles, Braking device for. E. M. Ballot. 1,640,919; Aug. 30.
Vehicles, Cab for motor. P. Carlson. 1,641,115; Aug. 30.
Vehicles, Cab for motor. P. Carlson. 1,641,117; Aug. 30.
Vehicles, Circuit closer for motor. D. O. Schuster and H. H. Gerke. 1,641,099; Aug. 30.
Vehicles, Dumping mechanism for. J. M. Howe. 1,640,358; Aug. 30.
Vehicles, Electric burglar alarm for motor. L. Haddow. 1,640,603; Aug. 30.
Vehicles, Resilient wheel for. J. F. P. Coste. 1,640,349; Aug. 30.
Vending machine. H. W. Dart. 1,640,396; Aug. 30.
Vending machine. D. Oxarart. 1,640,851; Aug. 30.
Ventilating apparatus M. Garland. 1,640,986; Aug. 30.
Ventilator: *See*—
Louver ventilator.
Ventilator. A. Matthiessen. 1,640,575; Aug. 30.
Ventilators, Testing apparatus for. J. H. Young. 1,640,477; Aug. 30.
Vibration dampener. A. F. Masury. 1,640,788; Aug. 30.
Voltage-regulator system. W. M. Bradshaw. 1,640,560; Aug. 30.
Volume control. W. A. Loomis. 1,640,842; Aug. 30.
Vulcanizing apparatus. R. Hansen. 1,640,500; Aug. 30.
Washer: *See*—
Press-ring washer. Smoke washer.
Washing and sterilizing device. W. C. Flintham and E. H. Bridenbaugh. 1,640,401; Aug. 30.
Washing machine. A. W. Altorfer. 1,640,343; Aug. 30.
Washing machine, Jet. I. H. Kendall. 1,640,835; Aug. 30.
Washing machines, Clothes wringer for. W. K. Howe. 1,640 773; Aug. 30.
Washing machines, Safety attachment for. J. E. Gariglio. 1,641,080; Aug. 30.
Water heater, Immersible. S. M. Kass. 1,640,943; Aug. 30.
Watering apparatus for cattle. K. Dickow. 1,640,649; Aug. 30.
Waterproof fabric and its manufacture. J. S. Miller, jr. 1,640,795; Aug. 30.
Web-feeding mechanism. J. S. Coldwell. 1,640,532; Aug. 30.
Web-supplying system. J. S. Coldwell. 1,640,533; Aug. 30.
Weed puller. G. R. Simpson. 1,640,732; Aug. 30.
Weeder. J. W. Gibbs. 1,641,032; Aug. 30.
Welding, Electric. V. J. Chapman. 1,640,437; Aug. 30.
Welding, Resistance-line. E. M. Hewlett. 1,640,449; Aug. 30.
Welding rods, Machine for making. W. F. Stoody. 1,640,850; Aug. 30.
Welding system, Alternating-current. J. R. Brueckner. 1,640,877; Aug. 30.
Well drills, Reamer for rotary. L. Aldrin. 1,640,341; Aug. 30.
Wheel: *See*—
Disk wheel. Resilient wheel.
Grinding wheel. Steering wheel.
Reenforced wheel. Vehicle wheel.
Wheel-shipping strap. E. T. Esterbrook. 1,640,890; Aug. 30.
Wheels, Manufacturing gear. H. E. Warren. 1,640,432; Aug. 30.
Wheels, Producing of cast-metal. G. Walther. 1,641,107; Aug. 30.
Window cleaner. J. H. Cook. 1,640,924; Aug. 30.
Window mounting, Casement-. E. W. Cummings. 1,640,483; Aug. 30.
Window portal. P. J. Murphy. 1,641,044; Aug. 30.
Window regulator. N. Lee. 1,640,459; Aug. 30.
Windshield of automobiles, Electric warmer and wiper for. C. V. Davis. 1,640,887; Aug. 30.
Wireworking machines, Blank-feeding device for. J. Roderburg. 1,640,907; Aug. 30.
Wrapping machine. F. Marasso. 1,641,042; Aug. 30.
Wrench: *See*—
Pipe wrench.
Wringer: *See*—
Clothes wringer.
Wringer. L. Swenington. 1,640,627; Aug. 30.
Zinc carbonate, Producing. N. A. Laury. 1,640,708; Aug. 30.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 30, 1927.

NOTE.—First number—class, second number—subclass, third number—patent number.

1—	40.4: 1,640,323	33—	50: 1,641,019	72—	96: 1,640,886	99—	1: 1,640,949	125—	32: 1,640,570	155—	65: 1,640,862
2—	2: 1,640,654		64: 1,640,435		99: 1,640,595		10: 1,641,018	126—	37: 1,640,371		121: 1,640,812
	42: 1,640,323		105: 1,640,604		124: 1,640,736		11: 1,640,648		40: 1,640,861		147: 1,641,129
	44: 1,641,027		123: 1,640,387		126: 1,640,555	100—	48: 1,640,342		45: 1,641,064		179: 1,640,618
	86: 1,641,080		155: 1,641,114	73—	1: 1,641,079	101—	41: 1,640,553		85: 1,641,011	156—	15: 1,640,660
	97: 1,640,891		191: 1,640,396		31: 1,640,600		42: 1,640,359		110: 1,640,766	157—	1: R. 16,726
	115: 1,641,008	34—	4: 1,640,662		44: 1,640,920		43: 1,641,052		121: 1,640,771		6: 1,641,083
	131: 1,640,805		1,640,855		51: 1,640,477		93: 1,640,231		1,640,937	158—	28: 1,640,730
	174: 1,640,676		5: 1,641,106		1,640,911		220: 1,640,355		288: 1,641,022		29: 1,640,346
	179: 1,640,806	36—	17: 1,640,633		82: 1,641,116		1,641,109		360: 1,640,943		46: 1,640,722
	245: 1,640,685		34: 1,640,598		110: 1,640,608		220: 1,640,205	127—	66: 1,640,717		46.5: 1,641,076
4—	41: 1,640,947		35: 1,640,254		184: 1,640,801		404: 1,640,663	128—	33: 1,641,093		73: 1,640,738
	185: 1,641,020		1,640,696	74—	6: 1,640,789		406: 1,640,414		60: 1,640,536		1,640,739
5—	71: 1,640,743		72: 1,640,669		7: 1,640,714		415.1: 1,640,247		69: 1,640,519		76: 1,640,731
	183: 1,640,754		76: 1,640,857		1,640,768	102—	24: 1,640,802		91: 1,640,586		77: 1,640,416
	202: 1,640,956	37—	139: 1,641,007		14: 1,640,655	103—	38: 1,640,209		98: 1,640,416		78: 1,641,017
8—	5: 1,640,657	39—	59: 1,640,757		21: 1,640,370		89: 1,640,601		158: 1,641,094	161—	16: 1,640,716
	1,640,902	40—	132: 1,641,066		1,640,523		96: 1,640,591		200: 1,640,687	164—	50: 1,640,486
	1,640,909		139: 1,640,939		1,641,130		126: 1,640,727		271: 1,640,928		54: 1,640,965
9—	18: 1,640,390	41—	10: 1,640,808		34: 1,640,626		180: 1,640,408	129—	8: 1,640,646		60: 1,640,513
10—	100: 1,640,941		34: 1,640,781		1,640,882		200: 1,640,402		16: 1,640,897		61: 1,640,833
	1,640,942		35: 1,640,787		58: 1,640,808		208: 1,640,404		16.7: 1,640,789	166—	10: 1,641,035
12—	2: 1,640,697		41.5: 1,640,901		1,640,872		219: 1,640,756	131—	51: 1,640,584	167—	3: 1,641,097
	33: 1,640,894	42—	20: 1,640,380		78: 1,640,549		228: 1,640,408		57: 1,641,120		1,640,901
	34: 1,640,393		48: 1,640,599		109: R. 16,725		265: 1,640,698		61: 1,640,465		7: 1,640,709
	142: 1,640,362		78: 1,641,062		1,641,072	104—	38: 1,640,289	132—	21: 1,640,429	169—	4: 1,640,838
	1,640,948		81: 1,641,033	75—	14: 1,640,485		1,640,982		33: 1,640,345		1,640,930
	1,641,128		100: 1,640,900		15: 1,640,486		92: 1,640,344		41: 1,640,898	170—	14: 1,640,891
14—	27: 1,640,980		109: 1,641,127		1,640,487	105—	131: 1,640,548		92: 1,640,607	171—	96: 1,640,554
15—	6: 1,641,063	44—	9: 1,640,690		45: 1,640,674		182: 1,640,968	134—	1: 1,640,544		97: 1,640,542
	40: 1,640,534	45—	2: 1,640,708		60: 1,640,857		186: 1,640,301		17.5: 1,641,086		119: 1,640,424
	98: 1,641,103		11: 1,640,441	76—	61: 1,640,964		194: 1,640,626		26: 1,640,562		1,640,560
	128: 1,641,087		31: 1,641,055	80—	42: 1,640,967		1,640,647	136—	4: 1,640,816		209: 1,640,936
	131: 1,640,994		32: 1,640,320	81—	15: 1,640,426		271: 1,640,637		27: 1,640,922		221: 1,640,917
	151: 1,641,084		77: 1,640,664		39: 1,641,065		355: 1,640,785		131: 1,640,488		265: 1,640,436
	255: 1,640,887		82: 1,640,440		51: 1,640,853		410: 1,640,912		135: 1,640,617		1,640,439
16—	1: 1,640,953		129: 1,640,380		90: 1,640,353	107—	10: 1,640,988	137—	75: 1,640,520		312: 1,640,447
	167: 1,640,525	46—	40: 1,641,057		134: 1,641,025	108—	7: 1,640,806		77: 1,640,995	172—	126: 1,640,741
	176: 1,641,086		48: 1,640,417	83—	44: 1,640,838		9: 1,640,619		91: 1,640,969		1,640,742
18—	16: 1,640,949	47—	57: 1,640,635		1,640,986		29: 1,640,389		1,640,970		153: 1,640,555
	17: 1,640,509	49—	2: 1,640,442		45: 1,640,772	110—	33: 1,640,632		139: 1,640,537		1,640,559
	48: 1,640,589		6: 1,640,944	84—	39: R. 16,729		87: 1,641,043		152: 1,640,552		237: 1,640,539
	50: 1,640,518		55: 1,641,133	85—	1: 1,640,650		104: 1,640,770		1,640,615		1,640,540
	52: 1,640,617	50—	10: 1,640,842	86—	23: 1,640,302		175: 1,640,921		153: 1,640,620		240: 1,641,067
	53: 1,640,900	51—	52: 1,640,994	87—	5: 1,640,531	111—	68: 1,640,635		188: 1,640,783		274: 1,640,547
	56: 1,640,548		55: 1,641,074		1,640,740	112—	200: 1,641,135	139—	14: 1,640,610		279: 1,640,900
	1,640,967		95: 1,640,992		6: 1,640,478	113—	14: 1,640,762		74: 1,641,111	173—	263: 1,640,809
19—	9: 1,641,119		1,640,998	88—	1: 1,640,604		18: 1,640,585		100: 1,641,024		316: 1,640,815
	32: 1,640,461		134: 1,640,715		2.4: 1,640,425		35: 1,640,939		205: 1,640,813		322: 1,640,744
	36: 1,640,420		176: 1,640,983		14: 1,641,136	114—	20: 1,640,389		420: 1,640,946		344: 1,640,434
	120: 1,640,705		205: 1,640,991		41: 1,640,661		210: 1,640,671	140—	121: 1,641,077		346: 1,641,134
23—	126: R. 16,727	52—	20: 1,640,712		47: 1,640,524			1,640,672	141—	7: 1,640,643	174—	80: 1,640,479
	1,640,943	53—	6: 1,640,409	89—	26: 1,640,573		221: 1,641,081			1,640,835		1,641,095
23—	61: 1,640,708		1,641,000	90—	3: 1,640,432	115—	24: 1,640,990		9: 1,640,603	175—	41.5: 1,640,661
	68: 1,640,852		7: 1,641,118		44: 1,640,719	118—	43: 1,641,091	143—	139: 1,640,517		361: 1,640,614
	115: 1,640,775	55—	148: 1,640,732		49: 1,640,767	119—	75: 1,640,648	144—	209: 1,640,377		378: 1,640,598
	117: 1,640,903	58—	402: 1,640,508	91—	16: 1,640,678	120—	36: 1,641,000	146—	81: 1,640,745	176—	1: 1,640,450
	189: 1,640,602	60—	52: 1,640,616		45: 1,641,023	121—	15: 1,640,470		98: 1,640,951		2: 1,640,488
	239: 1,640,698		54: 1,640,608		48: 1,640,777		41: 1,640,526	149—	6: 1,640,708		16: 1,640,839
24—	11: 1,640,495		67: 1,641,138		49: 1,640,910		44: 1,640,906		1,640,914		26: 1,641,008
	1,641,006	62—	172: 1,641,139		54: 1,640,776		150: 1,641,031	150—	1.5: 1,640,802		32: 1,640,567
	84: 1,640,497	64—	98: 1,640,670		67.9: 1,640,679	122—	42: 1,640,536		8: 1,640,425		103: 1,640,728
	180: 1,641,075		1,640,853		68: 1,640,795		504.1: 1,640,611		1,640,608		116: 1,640,913
	183: 1,640,398		1,640,894		70: 1,640,595	123—	35: 1,640,571		33: 1,640,522		123: 1,640,443
	243: 1,640,699	65—	31: 1,640,732		1,641,112		1,641,028		40: 1,641,110		124: 1,640,986
	269: 1,641,004		47: 1,640,382	92—	3: 1,640,612		1,641,052	151—	8: 1,640,840		126: 1,640,489
25—	1: 1,641,046	66—	13: 1,641,101		11: 1,640,853		33: 1,640,518		35: 1,640,374		136: 1,640,428
	3: 1,640,361	67—	23: 1,640,734	93—	7: 1,641,042		57: 1,640,696		36: 1,641,099	177—	311: 1,640,695
	1,640,514	68—	3: 1,641,108		36: 1,640,626		74: 1,640,950	152—	12: 1,640,853		327: 1,640,845
	118: 1,640,739		9: 1,640,351		54: 1,640,457		80: 1,641,105		20: 1,640,844		329: 1,640,496
	131: 1,640,997		1,641,131	94—	1.5: 1,640,730		119: 1,640,700		34: 1,640,402		351: 1,640,484
	131.5: 1,640,993		1,641,132		3: 1,640,706		122: 1,640,739		37: 1,640,378		366: 1,640,538
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	1,641,047		19: 1,640,343		11: 1,640,480			1,640,902		29: 1,640,613		44: 1,640,550
	1,641,048		31: 1,641,061	95—	77: 1,640,510		140: 1,640,445	153—	40: 1,640,890		62: 1,640,541
	1,641,049		33: 1,640,627	97—	18: 1,640,786			1,640,576		1,640,981		88: 1,640,749
	157: 1,640,690		1,640,773		47: 1,641,006			1,640,579		1,640,982	179—	17: 1,640,508
26—	39: 1,640,491		1,640,926		126: 1,640,982		171: 1,640,622		51: 1,640,527		18: 1,640,395
27—	6: 1,640,410	69—	13: 1,640,373		208: 1,641,060			1,640,876		59: 1,640,979		1,640,473
29—	69: 1,640,532	70—	59: 1,640,585		207: 1,641,062		173: 1,640,761	154—	1: 1,640,906			1,640,551
	85: 1,640,904		127: 1,640,631		215: 1,640,611		174: 1,640,681		26: 1,640,433		27: 1,640,675
	99.2: 1,640,489		139: 1,640,763	96—	2: 1,640,986		188: 1,640,968		41: 1,640,515		100.1: R. 16,728
	149.5: 1,640,948	72—	7: 1,641,133		70: 1,641,060		192: 1,640,634		1,640,908		1,640,557
30—	3: 1,641,054		1,641,134		98: 1,640,575		196: 1,640,974		1,640,918		100.2: 1,640,881
	9: 1,640,696		15: 1,641,084		108: 1,640,866		198: 1,640,856	155—	7: 1,640,908		150: 1,640,721
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		R. 16,724
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292—	162:	1,640,304
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